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# ***POLICY STATEMENTS***

## **Notice of Non-Discrimination**

In accordance with Title VI of the Civil Rights Act of 1964, Point Loma Nazarene University does not discriminate on the basis of race, color, age, or national origin. Furthermore, as required by Title IX of the 1972 Education Amendments, Point Loma Nazarene University does not discriminate on the basis of sex in its educational programs, activities, or employment policies. Point Loma Nazarene University also provides equal opportunity for qualified persons with handicaps in compliance with the requirements of Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. The Director of the Academic Support Office provides advice and support to students with disabilities. Inquiries and appeals regarding compliance with these federal requirements may be directed to the Vice President for Student Development, Caye Smith, Psy.D., Nicholson Commons, Office 303, (619) 849-2313.

## **Reservation of Rights**

Point Loma Nazarene University reserves the right to make changes in the academic catalogs regarding personnel listings, tuition and fees, majors and minors, course offerings, course sequencing, and other provisions and requirements relative to academic programs, within the student's term of attendance.

## **Education Records (FERPA) and Directory Information**

The Family Educational Rights and Privacy Act (FERPA) of 1974 as amended affords students certain rights with respect to their education records. These include: 1) the right to inspect and review the student's education records within 45 days of the day the university receives a request for access, 2) the right to request the amendment of the student's education records that the student believes are inaccurate or misleading, 3) the right to consent to disclosures of personally identifiable information contained in the student's education records, and 4) the right to file a complaint with the U.S. Department of Education concerning alleged failures by Point Loma to comply with the requirements of FERPA.

The university has defined directory information as name, address (including electronic mail), telephone number, date and place of birth, major field of study, dates of attendance, degrees and awards received, participation in officially recognized activities and sports, weight and height of members of athletic teams, and the most recent previous educational agency or institution attended. This information may be provided, upon review by the Vice Provost for Academic Administration, as public information or to individuals who demonstrate a need to contact students. Photographs of students may also be used in various university publications or on the university Web site. Students choosing not to release this information or who prefer that their photograph not be used, must inform the Office of Marketing and Creative Services of their request prior to the second Monday of each semester.

The university may disclose education records to college officials with legitimate educational interests. A college official is a person employed by the university; a member of the Board of Trustees; or an individual serving on a committee, such as disciplinary or grievance committees. PLNU also includes among college officials a student appointed to an official committee or assisting another official in performing tasks. A college official has a legitimate educational interest if the information aids the official in fulfilling professional functions.

Questions relative to FERPA policies should be referred to the Office of the Vice Provost for Academic Administration or may be referenced at [www.pointloma.edu/FERPA](http://www.pointloma.edu/FERPA).

## **Official Catalog**

As the on-line catalog is considered to be the official document relative to academic program offerings and charges, any print-outs of pages taken from the on-line version are, by definition, unofficial.

# *INTRODUCTION TO THE UNIVERSITY*

Point Loma Nazarene University is a liberal arts institution sponsored by the Church of the Nazarene. Accredited by the Western Association of Schools and Colleges, Point Loma offers degree programs at the baccalaureate and graduate levels. The university's campus is located on the Point Loma peninsula between beautiful San Diego Bay and the shores of the Pacific Ocean with a current student population of approximately 3,500.

## **Heritage**

In 1895, Phineas F. Bresee, a minister in the Methodist Episcopal Church, and J. P. Widney, a Methodist layperson and former president of the University of Southern California, founded the Church of the Nazarene in Los Angeles, California. Their primary purpose was to bring the good news of the Gospel of Jesus Christ to the poor and underprivileged. In 1902, Dr. Bresee founded Pacific Bible College, at the urging of several laypersons. Its purpose was to train ministerial and lay leaders for the new denomination.

Through the generosity of Mr. and Mrs. Jackson Deets, Pacific Bible College was able to purchase the Hugus Ranch in northeast Pasadena. With the subsequent move to the new Pasadena campus in 1910, the institution became Nazarene University and enlarged the scope of the curriculum to include a typical program in the liberal arts. In 1924, it was reorganized as Pasadena College (PC), the undergraduate honor society known as Sigma Phi Mu was organized, and a system of student government was instituted.

Pasadena College received initial accreditation from the Northwest Association of Secondary and Higher Schools in 1943, and from the Western College Association in 1949. In 1951, PC received state accreditation of its education program, and the Board of Trustees approved the addition of graduate education in 1965. Faced with a growing enrollment and the need for expansion, the college moved to San Diego's historic Point Loma peninsula in the summer of 1973. Today, as Point Loma Nazarene University, the institution offers numerous majors in various academic degrees, is approaching an enrollment of 3,500 at all of its teaching locations with a faculty and staff of 775, and enjoys an ocean-front campus in San Diego and strategically located regional centers throughout southern California.

## **Church and University**

Point Loma Nazarene University is the regional educational institution of the Southwest Region of the Church of the Nazarene. A Board of Trustees, composed of an equal number of ministers and laypersons, oversees the affairs of the university. Board members are nominated from eleven districts in the region and elected to the Board to serve on the self-perpetuating body.

The Church of the Nazarene is an international protestant denomination in the holiness tradition. The denomination is Wesleyan in doctrine and evangelical in mission; its polity is representative. Emphasis is given to the conversion of sinners, the entire sanctification of believers, and the spreading of the Gospel to every person. The Church of the Nazarene is a member of the Christian Holiness Partnership and the National Association of Evangelicals.

The relationship of the university and the sponsoring denomination is characterized by a mutual commitment to the doctrine and mission. In this relationship the university provides quality leaders for Christian service within social, civic, business, and church communities.

## **The University Community**

**The Students.** The university welcomes qualified students of any and all religious affiliations who desire an education in an environment of dynamic Christian witness. The role of Point Loma in higher education is fulfilled by helping students realize their mental, physical, social, moral, and spiritual ideals. The university's belief is that a personal commitment to Jesus Christ is the basis for achieving self-worth and understanding, the motivation for building a just social order, and the means for relating to God through worship and service.

**The Faculty.** The Point Loma faculty is composed of Christian teachers/scholars who are dedicated to teaching and other scholarly activity in an environment "where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith." Individuals serving as faculty are committed to lifelong learning and teaching. They strive to exemplify excellence in their profession and model a personal understanding of the interconnectedness of faith, learning, and living.

**The Staff.** The university community also includes qualified persons who provide vital support services to academic and co-curricular enterprises. Often directly involved in the lives of students and faculty, dedicated staff work diligently to provide services that make a quality difference at Point Loma.

**The Alumni.** Graduates and former students of Point Loma Nazarene University are an equally important—though extended—part of the university community. They embody the mission and goals of the university

and seek to make a difference literally all over the world. Alumni participate in the life of Point Loma as well through giving opportunities and frequent memorable events on campus.

- University Mission
- Accreditation and Affiliations
- Campus and Facilities

# *UNIVERSITY MISSION*

## **Mission Statement**

### **TO TEACH ~ TO SHAPE ~ TO SEND**

Point Loma Nazarene University exists to provide higher education in a vital Christian community where minds are engaged and challenged, character is modeled and formed, and service becomes an expression of faith. Being of Wesleyan heritage, we aspire to be a learning community where grace is foundational, truth is pursued, and holiness is a way of life.

### **MISSION CONTEXT**

The university, established in 1902 by the Church of the Nazarene, offers quality liberal arts and professional programs on its campus in San Diego and select graduate and professional programs throughout the denomination's Southwest Educational Region.

### **CORE VALUES**

- **Excellence in teaching and learning** - Teaching and learning constitute the central and defining activities of Point Loma Nazarene University. Faculty believe that effective teaching includes maintaining a vital relationship with one's discipline, establishing a positive connection to students, and building bridges among the students as a community of learning with the academic material.
- **An intentionally Christian community** - PLNU wants students to be participants in a community of learning who intentionally think and behave as Christians in all of their endeavors. Through many curricular and co-curricular activities, PLNU builds a community where women and men are challenged to explore ways to align their hearts and minds to that of Christ.
- **Faithfulness to our Nazarene heritage and a Wesleyan theological tradition** - While working cooperatively with the whole church of Jesus Christ, the university is committed to maintaining and celebrating our denominational ties with the Church of the Nazarene and embracing the distinctives of that tradition.
- **The development of students as whole persons** - A complete education prepares women and men to live full lives that integrate the pursuit of knowledge with beliefs, values, and actions. Holistic learning prepares students to make a positive difference in the world.
- **A global perspective and experience** - PLNU students should be equipped to become "world citizens." The university provides academic coursework, international study, field research, and ministry experiences that aid students in becoming conversant with the complexities of life in the global community.
- **Ethnic and cultural diversity** - PLNU recruits women and men from a variety of cultural, ethnic, and socio-economic backgrounds as students, faculty, and staff. A willingness to hear and learn from many diverse voices is foundational to a Christian liberal arts education and prepares students to become truly educated people, equipped to live in a diverse society and world. The university therefore actively pursues ideas, practices, and relationships that honor diversity and encourages engagement with others different from oneself in order to grow in community with and be reconciled to one another.
- **The stewardship of resources** - PLNU considers itself to be caretaker of all that has been entrusted to the university (people, facilities, money, and knowledge), using resources in a way that reflects the purposes of God and protects the goodness of God's creation.
- **Service as an expression of faith** - The university community understands itself to be stewards, not owners, of time, talent, and selves. Part of the call to Christians is to serve the world, working to better the condition of humankind both locally and globally.

## **The University Seal**

The university seal is used on all official documents. It consists of a shield picturing the symbols of VENIA (Grace), VERITAS (Truth) and SANCTITAS (Holiness), themes that—in keeping with the heritage of Point Loma Nazarene University—have been identified with the Wesleyan-holiness tradition.

## ***ACCREDITATION AND AFFILIATIONS***

Point Loma Nazarene University is numbered among those institutions of higher education that meet or exceed the rigorous standards of accrediting associations and commissions. Point Loma is accredited by the Western Association of Schools and Colleges (WASC), for which it periodically completes a self-study that addresses recognized principles of excellence. **WASC may be contacted at 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, or by telephone at 510-748-9001.**

In addition, many academic departments and support units, as well as individuals, hold memberships in a variety of professional associations. A complete listing of accreditations and affiliations is located on this Web site.

# ***POINT LOMA CAMPUS AND FACILITIES***

## **Advantages of Location**

Point Loma Nazarene University enjoys many advantages from its location in beautiful, culturally rich Southern California. San Diego itself is an area of unequaled climate and spectacular scenic vistas. Neighboring institutions affording advantages in library, culture, and nature study resources include the University of California-San Diego, San Diego State University, San Diego Chamber Orchestra, San Diego Opera Company, Scripps Institute of Oceanography, Palomar Observatory, and many others.

The university enjoys a quiet, natural setting overlooking the Pacific Ocean only ten minutes from the center of metropolitan San Diego. With Los Angeles two and one-half hours driving time to the north, Mexico 30 minutes to the south, the ocean immediately to the west, and San Diego Bay and the Laguna Mountains to the east, the Point Loma peninsula is a most desirable location.

The economy of the greater San Diego area is also advantageous in affording exceptional opportunities for part-time employment for students who desire work to help support themselves.

## **The Point**

The campus, located on San Diego's picturesque Point Loma peninsula, is a 93-acre plot first established as an educational site by the Theosophical Society of America and has been occupied since by Balboa University, California Western College, and United States International University. The early occupants of this site erected a number of wooden buildings, some of which have been renovated and are still in use as designated historical sites. Since 1953, numerous additional buildings have been constructed, and today the campus includes art studio facilities, a theatre, physical education complex, the Fermanian School of Business and Business Center, the Cooper Music Center with its 400-seat Crill Performance Hall, Colt Hall, Nicholson Commons, Draper Hall, the School of Theology and Christian Ministry, and the Bond Academic Center. Buildings of historical interest include the Greek Amphitheatre, first of its type to be built in the United States; Mieras Hall, built in 1901 by the Spalding family; and Cabrillo Hall, originally the home of Madame Katherine Tingley, leader of the Theosophical Society.

## **Special Collections**

The San Diego campus of Point Loma Nazarene University is not only a garden spot overlooking the San Diego Bay to the east and the Pacific Ocean to the west. It also is home to several collections and works of public art.

Paintings from the Spiros John Karras Collection of California Plein Air paintings, housed primarily in the Cooper Music Center, are prominently displayed for public viewing. The Fischer Collection (a rare and unique set of matched, hand-made string instruments for use by faculty and student string quartets) is housed in the Cooper Music Center and may be viewed and heard in public recitals.

Ryan Library has two collections of note: special collections of the writings of Arminius and John Wesley and the William C. and Frances Vaughters collection of pre-Columbian artifacts. In addition to these collections, the campus is home to various works of art. As a former center for the Theosophical Society, original buildings feature interior woodworking by Reginald Machel. Ryan Library houses sculptures of the artist Scott Stearman and an original Norman Rockwell painting created for use as a *Saturday Evening Post* cover.

Two monumental works of sculpture grace the campus in Point Loma: *The Calling*, by Scott Stearman, and *Centenary Passage*, by Peter Mitten. The first was presented to the university by the Women's Auxiliary to portray Jesus' calling of the disciple Peter as a symbol of the "divine calling to all, the assurance of Christ's constant companionship, and the invitation to become fishers of men." The second is a 10-foot work of granite and bronze created by local artist and former Point Loma Nazarene University faculty member in the Department of Art and Design. It was commissioned to commemorate the university's centennial during the 2001-2002 academic year.

## **Ryan Library**

Ryan Library supports student learning in an environment that combines the traditional values of the liberal arts university with the technological advances of the 21st century. Library faculty and staff are dedicated to serving the information needs of students, faculty, and all others affiliated with the university. The library is home to a variety of comfortable learning spaces: rooms for group work and projects, clusters of soft seating, areas for quiet study, and more. In addition, Ryan Library is home to over 170,000 volumes, including books, periodicals, and several specialized collections. The library also subscribes to numerous on-line data bases, many of which provide full-text access. For items not held by the library, InterLibrary Loan services provide access to resources located throughout the region and the world. In classroom settings and one-on-one consultations, librarians teach students how to find appropriate resources, create effective search strategies, and evaluate on-line information. The work of the library faculty and staff fosters

the pursuit of knowledge, excellence in teaching and learning, and respect for inquiry and diverse points of view.

## **Information Technology Resources**

### **ACADEMIC COMPUTER CENTER (RYAN LEARNING CENTER) COMPUTER LABS**

At the San Diego campus, undergraduate students find a robust network with more than 350 computers in the Ryan Learning Center computer labs and in a number of school and department computer labs. These computers provide students, faculty, and staff with resources for education, research, and communication. The labs make available over 100 applications ranging from word processing to sophisticated statistical, art, programming, and discipline-specific applications.

### **SOFTWARE**

As part of the Microsoft Campus Agreement between Point Loma Nazarene University and Microsoft, students may purchase the Microsoft Office suite of application software for only the cost of the media and shipping (approximately \$50 per software version). This agreement entitles students to use the software on their personal computer for the duration of their education at the university. Graduates may continue to use the software after leaving as long as Point Loma Nazarene University continues to participate in the Microsoft Campus Agreement. Students are also provided with anti-virus software.

### **INTERNET SERVICES (E-MAIL AND WEB)**

Students can conduct research and communication using the campus wireless network as well as the computer labs, library, and residence hall rooms. Each student is given a network account, an e-mail account, and a network area for storing files, presentations, assignments, attachments, etc. *In addition to telephone and written correspondence, electronic mail is a recognized means of official university-to-student communication. Students are expected to read their university e-mail on a regular basis and may access their e-mail account from residence halls, computer labs, or university computers. When away from the university, students may access their e-mail account via the Web, using their own Internet Service Provider (ISP).* Students are also able to go on-line to register for classes, check grades, and view their class schedule and other student information. The Point Loma Nazarene University homepage can be found at [www.pointloma.edu](http://www.pointloma.edu).

### **RESIDENTIAL COMPUTING**

All residential students have a network connection in their residence hall room. There is twenty-four-hours-a-day, seven-days-a-week access to the network from the convenience of the student rooms for e-mail, research, Web browsing, etc. It is highly recommended that students bring a computer, preferably a notebook or tablet computer, and a printer to campus. Notebook (laptop) or tablet computers offer the most flexibility to students as they can be connected around campus and used in class (if allowed by the professor). During New Student Orientation (NSO), students receive informational flyers and CDs to facilitate their PLNU network connection and to help keep their computer healthy and useable.

A student help desk is available to students who are having trouble with computers. ResTechs and LabTechs answer calls from students to offer assistance. Students can also bring their computers to the ResTech Office, located inside the main campus lab of Ryan Library, where ResTechs will troubleshoot and scan the computers. ResTechs also can repair Dell computers that are still under warranty.

### **MEDIA SERVICES**

Media Services, under the supervision of Information Technology Services, supports the use of non-print learning resources across the San Diego campus. These resources range from computerized presentation systems to video in several formats, audio in most forms, and various types of film. Audio and video production, viewing and listening carrels, preview rooms, a self-service materials preparation area, a Mac Lab that holds 24" widescreen iMacs, available for student use, are located in Media Services.

## **Centers and Institutes**

The university sponsors several centers and institutes that are directly linked to the academic enterprise and extend the institutional mission in practical ways that assist both students and the broader community.

### **THE CENTER FOR INTERNATIONAL DEVELOPMENT**

#### **Robert C. Gailey, M.Div., Director**

The Center for International Development exists to apply life-affirming business principles to the complex challenges of global poverty. The center places a particular focus on areas of economic and social development. The center is committed to equipping, training, and sending Christian leaders to serve international communities that are suffering and to support the work of the church. The center supports the vision of the university and the Fermanian School of Business by preparing students for professional service with international humanitarian and missions agencies. The center grew out of an exploratory visit to Armenia by PLNU faculty and George Fermanian to identify ways the university could proactively prepare students to address the humanitarian and economic challenges and opportunities of globalization.

### **THE CENTER FOR JUSTICE AND RECONCILIATION**

**James F. Gates, Ph.D., Director**

As an organization of Point Loma Nazarene University, in the prophetic traditions of the Holy Scriptures highlighting God's special concern for the poor and the oppressed, and consistent with John Wesley's call to a holiness that is lived out in ministry among and to the poor, the Center for Justice and Reconciliation (CJR) exists to study poverty and oppression and teach Christian means of social engagement.

The CJR directs Urban Term (a summer intensive cross-cultural theological and sociological immersion education program in City Heights, one of San Diego's poorest and most diverse neighborhoods) and promotes study abroad in the poorer nations of the world. The CJR promotes involvement in off-campus activities and networking, hosts co-curricular inter-disciplinary forums and workshops for ongoing faculty, staff and student enrichment on the themes of poverty, globalization, racism, gender discrimination and cross-cultural awareness, and coordinates research projects that address particular needs of the poor in San Diego/Tijuana with a specific focus on the role that communities of faith have in addressing these needs.

**THE CENTER FOR PASTORAL LEADERSHIP**

**Norman V. Shoemaker, D.Min., Director**

The Center for Pastoral Leadership exists to enhance the educational mission of the university through its work with ministerial students, pastors, and the Church. The center is an educational and service resource designed to strengthen the relationship of the university and the sponsoring denomination, the Church of the Nazarene, and to promote effectiveness in pastoral ministry.

Activities of the center include oversight of the Master of Ministry (M.Min.) program, mentoring of pre-ministerial students, continuing education for pastors, and other aspects of church/university relations including, especially, pastoral support.

**THE CENTER FOR TEACHING AND LEARNING**

**College Deans, Co-directors**

The Center for Teaching and Learning (CTL) was established to meet the challenge of inspiring and sustaining teaching excellence. Although some CTL programs help faculty address in meaningful and practical ways the rapid pace of current research and technological advances, the majority of the center's programs are designed to support faculty as they learn to develop relationships to their discipline and their students, relationships that "create a space in which the community of truth is practiced" (Parker Palmer). Programs in the CTL include professional workshops and conferences, reading groups, cooperative mentoring groups, and collaborative groups focused on specific teaching issues.

**THE EARLY CHILDHOOD LEARNING CENTER**

**Susan D. Rogers, M.A., Academic Director**

**Aleta Slater, M.A., Site Director**

The Early Childhood Learning Center is designed as an interactive laboratory school. The mission of the Early Childhood Learning Center is to provide a high quality educational experience for university students from observations, demonstration teaching, and experience. Although the Early Childhood Learning Center functions as a laboratory school in the Department of Family and Consumer Sciences, it is open to all academic disciplines of the university in a variety of ways. The center is an open environment where teachers, children, students, and parents interact, play, work, and learn together. The programs of the center are designed to teach the whole child socially, emotionally, cognitively, physically, creatively, spiritually, and to give guidance to the university student in modeling the practice of alternative philosophies of early childhood education.

**THE FERMANIAN BUSINESS CENTER**

**Randy M. Ataide, J.D., Director**

The Fermanian Business Center (FBC) seeks to be a connecting point between students, faculty, alumni, and business constituencies through deliberate, intentional, and focused opportunities. Both undergraduate and graduate students are provided valuable resources to enhance their personal and professional success including networking, mentoring and internship opportunities, individual guidance and coaching, resume and business card services, and access to many FBC alumni, corporate, non-profit, and entrepreneur connections. Featured events each year include the Dealmakers of the Year Business Breakfast, the Bank of America Economic Forecast Breakfast, and the Entrepreneur Enrichment Program, as well as a variety of professional development events throughout the year where diverse business topics are discussed over a business dinner with a selected group of industry leaders, thus providing a more intimate venue for personal meetings, interaction, and networking. The center also is available as a full-service conference facility to the university community, San Diego businesses, and various non-profit organizations.

**THE HEALTH PROMOTION CENTER (SCHOOL OF NURSING)**

**Mary Margaret Rowe, M.S.N., RN, FNP, Director**

The School of Nursing's Health Promotion Center (HPC) provides needed health care services, referrals and advocacy for individuals and families in the San Diego community in order to promote optimal health. The program is located at the Mid-City Church of the Nazarene.

In fall 2003, the HPC affiliated with the San Diego Health and Faith Alliance to begin providing a free clinic two days a week (Tuesdays and Thursdays) for those adults in the community with little or no access to health care. Using a service learner model, the HPC offers medical care, nursing care, and counseling utilizing students and their supervising faculty as providers of care. Participants include the School of Nursing at PLNU, the Schools of Medicine and Pharmacy from the University of California, San Diego, and the Marriage and Family Therapy program at the University of San Diego.

**THE MARGARET STEVENSON CENTER FOR WOMEN'S STUDIES**

***Linda M. Beail, Ph.D., Director***

The Center for Women's Studies was created as a result of the university's historic affirmation of the value and dignity of women and features a minor in Women's Studies. The minor is a sequence of courses of interest to both women and men that examine important gender issues and offers the opportunity for dialogue about a transformational Christian praxis in these areas. In addition to the academic minor, the center regularly sponsors speakers from on and off the campus and offers students and faculty a library of resources on gender issues and Christianity.

**THE WESLEYAN CENTER FOR 21ST CENTURY STUDIES**

***Mark H. Mann, Ph.D., Director***

The Wesleyan Center exists to inspire a new generation of Wesleyan thinking that will influence the broader church and social worlds of the 21st century. The center provides research opportunities for resident faculty and visiting scholars on vital contemporary issues. To further its mission, the center sponsors individual and collaborative scholarship, convenes conferences and symposia, and funds projects capable of producing Wesleyan perspectives bearing on faith, thought, and practice.

## *CO-CURRICULAR PROGRAMS*

An education at Point Loma Nazarene University is characterized by the intentional interrelationship of the life of the mind, the development of character and personal wholeness, and spiritual formation facilitating a life of service. Thus, university life includes an array of activities and experiences designed deliberately to be seamless. Academic study becomes an act of one's "reasonable spiritual worship," community life and social relationships move in the context of a family that is intent on loving God with all one's "heart, soul, mind, and strength." Faith is seen not as a compartmentalized activity but as a way of life that embraces love for humanity and life-long learning.

Realizing that students spend more time out of class and formal academic settings than in class, the university provides a wide variety of opportunities for undergraduates in co-curricular programming. These include activities directly or indirectly related to academic programs, spiritual life options, and student leadership programs that emanate from the university's mission and sponsoring denominational relationships.

- Academic Affairs
- Spiritual Development
- Student Development

## *ACADEMIC AFFAIRS*

Co-curricular activities in the area of Academic Affairs include, but are not limited to, the following: a nationally ranked forensic team; the annual Sunset Cliffs National Forensics Tournament hosted by the university; California Board of Registered Nursing-approved continuing education courses; the Phi Alpha Theta society for pre-law students; the Point Loma String Project; a wide variety of activities directed by the Fermanian Business Center; and student summer research in biology, chemistry, mathematics, information systems, and computer sciences.

Other opportunities directly or indirectly related to specific majors and programs include a host of ensembles in the Department of Music such as Chorale, Concert Choir, Point Loma Singers, Choral Union, Chamber Orchestra, Concert Band, and Jazz Band; Urban Term, an intentional living community studying local urban issues in the context of ethnic diversity and low-income environments; radio station KPLR and the university television station, supported by the Department of Communication and Theatre; international study trips sponsored by the Center for International Development; summer marketing research, an honors program in the Fermanian School of Business; and an annual series of literary teas, Poetry Day, and a writer's symposium featuring nationally known personalities, sponsored by the Department of Literature, Journalism, and Modern Languages.

# ***SPIRITUAL DEVELOPMENT***

The mission of the Office of Spiritual Development is to faithfully call the Point Loma Nazarene University community to spiritual vitality centered on the Lordship of Jesus Christ. The Office of Spiritual Development, through relationships and programming, seeks to join the larger university in its mission to teach, shape, and send.

Specifically, the Office of Spiritual Development desires to engage this community in the transformational practices of study, reflection, and action, learning from the Word of God, and immersing the community in the spiritual disciplines in order to grow in the love and likeness of Christ toward an on-going commitment of service to others. It is the office's goal and prayer for the PLNU community to love God, love others, and love the world with body, mind, and spirit.

## **Corporate Worship**

### **CHAPEL**

Chapel is an integral part of the Point Loma Nazarene University experience. Chapel is a community gathering through which believers are shaped by God. This shaping experience prepares all to love God, love one other, and love the world with a compassionate commitment. Chapel is a gift through which the university community pauses in the middle of busy lives to give thanks to God, seek God, and worship together. Chapel is a place of corporate worship, prayer, teaching, education, and growth. The primary purpose of chapel is to encourage the formation of Christian community and foster the development of a vibrant, life-changing relationship with Jesus Christ.

Chapel is held three times a week on Monday, Wednesday, and Friday at 9:45 a.m. It is the university's belief that chapel has an important role in Christian liberal arts education, and, as such, is required for all undergraduate students.

### **TIME OUT**

Every Wednesday at 9:00 p.m. students gather in an informal worship setting designed to encourage an intimate, personal relationship with God through music, prayer, sharing of life, and teaching from scripture. Time Out is an evening chapel attendance option for students.

## **Spiritual Care**

I Thessalonians 2:8 expresses the heart of the work in the Office of Spiritual Development: "We loved you so much that we were delighted to share with you not only the Gospel of God but our lives as well, because you had become so dear to us." Spiritual care offered in the context of loving relationships is at the center of the Office of Spiritual Development.

### **SPIRITUAL DIRECTION AND PASTORAL CARE**

Encouraging a personal relationship with Jesus Christ is the university's highest priority. The prayer for every student is that, in their time at Point Loma Nazarene University, God's voice will be heard, God's will discovered, and God's mission embraced. The office staff is available to all members of the university community for prayer support, spiritual guidance, pastoral counseling, and pastoral care.

## **Worship Ministries**

Worship Ministries creates opportunities for students to assist in leading people in praise, worship, and response to God's voice. The office team seeks to partner with and develop students who are pursuing integrity in their relationship with God and neighbor and who demonstrate ability in their area of art or technology.

### **CHAPEL MUSIC BANDS**

In the spring semester, students interested in becoming lead worshippers on campus for the following academic year are interviewed and auditioned. Those selected begin an internship in Spiritual Development in the fall, providing leadership in various worship gatherings on campus, primarily in chapel. In the fall, PLNU students are invited to attend an informational meeting, followed by an audition and interview for those interested in serving and growing. From this process a network of students is created from which student worship leaders and the director of Worship Ministries can draw as they lead around campus throughout the year. In addition, one band is created from the freshman class. This band works closely with the director of Worship Ministries, rehearsing on a weekly basis and joining the worship leading rotation.

### **SUMMER MINISTRY TEAMS**

Each spring, two paid teams of 7-8 students are selected and trained to travel during the summer throughout the Southwest Educational Region of the Church of the Nazarene, ministering at churches, youth camps, conventions, and retreats. Their primary ministry vehicle is music, but it is a highly relational ministry. These students are selected through an interview and audition process.

### **SONG-WRITING**

Students interested in writing songs primarily for use in corporate worship are invited to gather on a bi-monthly basis to provide encouragement and constructive criticism to one another. Staff partner with various professors to help provide further feedback in a song's theology and music. From this program the office hopes to develop ability and confidence in song-writers as they hone their skills, writing songs that are both theologically sound and musically accessible for corporate worship.

## **Discipleship Ministries**

Discipleship Ministries creates opportunities to seek and discover ways of living that reflect the life of Christ. When people engage in faithful ways of learning to live out what it means to love God and neighbor, practices become a sacred obligation that express joy, hope, and discernment. Programs in Discipleship Ministries invite the student to engage in rhythms that include faithful reflection, spiritual nourishment and friendship, study of the Word, discussions on relevant issues in the culture and world, and the worship of God expressed in creative ways.

### **COVENANT AND DISCIPLESHIP GROUPS**

By participating in a covenant group, students enter into a weekly rhythm of creating a time for rest, encouragement, learning, and spiritual friendship. Covenant groups encourage living in healthy ways of being by experiencing God's transforming work, individually and communally, thus assisting students in guiding and shaping and having an impact on the world in which students live.

### **RETREATS**

Discipleship Ministries also offers spiritual formation retreats, men's retreat, and a women's retreat for the PLNU community. These weekend retreats offer opportunities for students, faculty, and staff to come together and build relationships with one another outside the normal university setting. Retreats focus on Christian formation through fellowship, worship, discussion, and sharing about personal life journeys.

### **FILM FORUM**

The film forum offers an opportunity to view classic and contemporary films through a spiritual lens. These film presentations invite the student to engage in lively discussions about human nature, local and global realities, and universal themes as shown through plots and symbols. The Film Forum is a critical look at how faith and film intersect today and how the community might use this medium toward Christian formation, both individually and corporately.

## **Student Ministries**

Student Ministries has more than 20 different student-led outreach groups which create opportunities for those willing to put their hands and hearts to work in the lives of people throughout the greater San Diego area. These groups serve many diverse populations including: homeless individuals and families; adults and children with developmental disabilities; incarcerated men, women and youth; elderly individuals living in assisted care facilities; children in need of educational assistance; and many others. No special skills or abilities are required, only a desire to join in the adventure of ministry and to benefit from relationships formed through Christian service.

## **International Ministries**

International Ministries offers opportunities to those who want to partner with, fellowship with, and learn from Christian brothers and sisters around the world. International Ministries participants are privileged to come alongside church leaders, missionaries, and international development professionals and support on-going ministry in a variety of places around the world. While each location, culture, and ministry is unique, all programs genuinely value devoted Christian service with an attitude of humility, hospitality, and intercultural understanding.

### **LOVEWORKS SHORT-TERM MISSIONS**

The LoveWorks short-term mission program is a resource to church leaders, missionaries, pastors, and congregations serving Christ in various places around the world. Through the LoveWorks program, over 2,000 students, faculty, staff, and alumni have served and built relationships in Christ's name. LoveWorks has a reputation for sending well-trained, respectful, and energetic teams who have been a blessing to the church on every continent. Participant preparation, safety, and well-being are taken into account at all times. All team members are required to participate in weekly training sessions conducted by the Office of International Ministries.

### **YOUTHWORKS**

YouthWorks is a short-term mission program for Nazarene high-school students from Mexico and the United States. In a multi-cultural camp atmosphere, students live and serve together for up to two weeks at a time. In conjunction with the Nazarene Church in Mexico, camp locations are established to provide ministry support for the compassionate outreach efforts of the churches in the area. Participants serve alongside members of the congregations and debrief their experiences in facilitated discussions and worship times together. Along with adult staff that attend with the teens, Point Loma students are thoroughly trained to serve as camp staff, prepared to lead small groups, set a culturally-sensitive example, and

engage thoughtfully in the program.

**GRADWORKS**

GradWorks is an opportunity for recent graduates of PLNU to gain international work experience and serve using skills and gifts developed at PLNU. International service options are available around the world, ranging from three months to two years. Placements are made based on a networking of the skills and interests of the graduate with the needs and strategies of the host field location. The office of International Ministries provides logistical support and membership for students serving abroad.

# ***STUDENT DEVELOPMENT***

Student Development at Point Loma Nazarene University is dedicated to engaging students in the active and energizing process of learning. The Office of Student Development coordinates a multitude of co-curricular programs in the areas of Academic Support, Athletics, Public Safety, Residential Life, Student Engagement and Retention, and the Wellness Center.

Point Loma Nazarene University believes that the most complete education prepares a person to live a full life. This quality education incorporates intelligence and reason as well as character, integrity, commitment, and faith. With this in mind, PLNU strives to educate the whole student to learn, grow, and serve.

## **Academic Support**

The Academic Support Center at Point Loma Nazarene University provides advising, accommodations for students with disabilities, and academic enrichment services that focus on assisting students to achieve their educational and personal goals.

### **ACADEMIC ADVISING**

The Office of Academic Advising enhances the quality of the educational experience by assisting students to develop an academic plan that is consistent with their educational, personal, and career goals. Advising at PLNU is a collaborative process between the faculty advisor and student and begins with the student's selection of a major. Undeclared students are advised by the Director of Advising until a major is selected. After a major is selected, the advisor and student continue to collaborate throughout the degree completion process.

### **DISABILITY RESOURCE CENTER**

**University Policy on Disabilities.** PLNU is committed to providing reasonable services and accommodations to meet the needs of qualified students with disabilities to facilitate their academic goals, according to Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Individuals who may be eligible for services include, but are not limited to, those with disabilities such as learning, functional, psychological, visual and/or hearing impairments. These conditions must be of a degree that they impact a major life activity.

The Disability Resource Center at PLNU is located in the Bond Academic Center (619-849-2486) and is the first point of contact for students who have disabilities or special needs. All accommodations and services are based on assessing the impact of the disability on life activities and academic performance; therefore students are required to provide documentation from a licensed professional to the director of the Disability Resource Center prior to receiving accommodations.

**Special Needs.** Students with special needs are required to produce current documentation of a medical, physical or psychological disability or documentation of a specific learning disability conducted within the last three years, to be placed on file in the Disability Resource Center within the Advising Office. A complete set of aptitude, achievement, and information processing test results is required. Once this is done, a needs assessment is developed in collaboration with the student. Because the provision of all reasonable accommodations and services is based upon assessment of the current impact of the student's disabilities on life activities and academic performance, it is in the student's best interest to provide recent and appropriate documentation before the beginning of the semester.

**Request for Accommodations.** An Application for Services, which is available in the Academic Support Center, begins the process for accommodation. Students should contact the Director of the Disability Resource Center to request an application. Students should make their needs known to the director after acceptance into the university and as soon as possible, so that the process of developing an accommodation plan may be initiated. Documentation submitted with the application for services should be recent, relevant, and comprehensive. If the original documentation is incomplete or inadequate to determine the extent of the disability or reasonable accommodations, the university has the discretion to require additional documentation.

**Appeal Process.** Students have the right to appeal decisions regarding academic accommodations. In order to provide prompt and equitable resolution, the student must submit a written or verbal statement to the Director of Academic Advising who will conduct the appeal process in consultation with the Vice President for Student Development.

### **TUTORIAL SERVICES**

The Tutorial Center at PLNU provides a variety of free tutoring and academic enrichment services to assist students in managing course curriculum requirements, such as:

- Academic counseling (time management, test-taking strategies)
- Class review sessions

- Computer programs (Read and Write, Inspiration, Ace Reader Pro Deluxe, Dragon Naturally Speaking, ZoomText, Kurzweil 3000, and OpenBook)
- One-on-one or small group peer tutoring (available for most courses)
- Study skills resource library (resources for test taking, note taking and time management)
- Writing assignment assistance

The Tutorial Center is staffed by students who have received comprehensive training and are faculty-approved. Students are encouraged to visit or call the Bond Academic Center (619-849-2593) to schedule an appointment.

## **Athletics**

### **INTERCOLLEGIATE**

Point Loma Nazarene University is a member of the National Association of Intercollegiate Athletics (NAIA) and participates in intercollegiate competition in the Golden State Athletic Conference (GSAC). Through athletic competition, students who are skilled athletes have the opportunity to excel to the highest potential of their ability. Point Loma athletes share a heritage of winning. The concept of the Christian scholar-athlete is the guiding principle for participants. Students are expected to demonstrate physical fitness in lifestyle, fairness in competition, humility in winning, and dignity in defeat.

Opportunities are provided through Intercollegiate athletics relative to the university's commitment to the athlete's spiritual dimension. Time is set aside by all teams on a quarterly basis for fellowship, and an annual worship service and honors recognition luncheon is held in the fall exclusively for athletes and their families.

The athletic program at PLNU espouses the National Association of Intercollegiate Athletics-sponsored emphasis on Champions of Character. This means a commitment to the development of student athletes to become persons who value the qualities of respect, responsibility, integrity, servant leadership, and sportsmanship.

Intercollegiate sports for women include basketball, volleyball, cross-country, softball, soccer, tennis, and track and field. Intercollegiate sports for men include basketball, cross-country, soccer, tennis, baseball, golf, and track and field. These activities are under the guidance of the Director of Athletics and the Vice President for Student Development.

### **INTRAMURAL**

The intramural program is designed to enhance and extend the student's opportunities for wholesome and beneficial physical activities through recreational and competitive programs.

A vigorous intramural sports program is under the guidance of the intramural coordinator through the Department of Athletics. Competitive events are seasonally scheduled such as flag football, basketball, volleyball, softball, tennis, soccer, and others. Co-educational activities are available in several sports.

## **Department of Public Safety**

The Department of Public Safety strives to maintain a safe environment for the university community. To achieve this, the department functions twenty-four hours a day, seven days a week. The university emergency telephone number is 619-849-2525.

**Vehicular Regulations.** Parking and driving on the campus is a privilege. The owner/driver is referred to the *Student Handbook* and *University Vehicle Code* ([www.pointloma.edu/studentdevelopment/publicsafety/community](http://www.pointloma.edu/studentdevelopment/publicsafety/community)) for complete regulations.

**Vehicle Registration.** All vehicles operated by students must be registered. Freshman residential students are not permitted to bring vehicles to the university.

**Shuttle Services.** The Department of Public Safety provides an on-campus transportation service to residential students. In addition to the Public Safety on-campus shuttle, an on-campus shuttle and an off-campus shuttle is operated by the Department of Physical Plant. For additional information, students may refer to the *Student Handbook*.

## **Residential Life**

Approximately two-thirds of undergraduates live in university residence halls. The primary goal of residential life is to foster an environment in which vital Christianity is encouraged, experienced, and modeled. Residential life is an integral part of the co-curricular experience and encourages the academic, spiritual, and social growth of students. In addition, residential living provides students with an opportunity to meet students from a variety of backgrounds.

Application for admission to the university and application for on-campus housing are two separate steps. Students may refer to admission procedures for further information regarding housing. On-campus housing options include eight traditional residence halls and apartment living for single and married students without children. **The university does not guarantee housing for all four years.**

#### **OFF-CAMPUS HOUSING**

All single undergraduate students under the age of twenty-three (23) years of age are required to live in university housing. Exceptions to this policy are married students, students living with parents, or students residing in a live-in work situation. Occasionally, due to high housing demand, some upper-classmen are permitted to live off campus.

Students requesting to live off campus must file an off-campus petition within established deadlines, through the Office of Residential Life. Each petition is carefully verified. Students who have had any serious disciplinary sanctions during the previous two semesters at the university are not eligible to live off-campus. Students with previous disciplinary violations at PLNU may not be eligible to live off campus; decisions are made on a case-by-case basis. Any change of residence or phone number must be changed on the student portal immediately.

#### **COMMUNITY STANDARDS**

Responsibility, accountability, and disciplined living are a reflection of vital Christianity. Students are expected to conduct themselves in a manner which enhances the lifestyles and ideals of the university, both on and off the campus. Students who are granted admission and subsequent registration to the university must adhere to the following:

- to acknowledge that maturity entails both the experience of freedom and the acceptance of limits;
- to seek an understanding of those who come from different backgrounds;
- to exhibit a respect for other members of the community; and
- to receive and seek constructive feedback from other members of this community.

#### **RESIDENTIAL HOUSING**

**Application for Housing.** Students planning to live in a residence hall must file a Residence Hall Application and Contract as well as a housing deposit. For returning students, once registration for the fall semester is completed (which constitutes a reservation for the fall semester), the housing deposit is non-refundable. For new students, the deposit is refunded consistent with the dates published in admission materials. Refunds of board charges are made for any student who moves out of the residence hall during the course of a semester according to the schedule printed in the *Catalog*. Residence halls are officially closed during Christmas Recess and Spring Break. The right of occupancy does not include these periods.

**Residential Housing Assignments.** Residential housing assignments for new students are made after the housing staff considers such factors as classification and date of a paid housing contract. An attempt is made to make roommate assignments that are compatible and beneficial to all concerned. Specific roommate requests must be mutual and accompany the paid housing contract. New and transferring students receive their residence hall assignments as they become available through the on-line student portal. The university does not consider roommate change requests based upon actual or perceived race, ethnicity, national origin, age, or disability, or perceptions based on personal profiles and/or information found on the Internet.

**Furnishings.** Residence hall rooms are furnished with window coverings, and each student is provided with extra-long single bed, dresser, study table and chair. Students must provide their own bed linens and towels. While most cooking appliances are prohibited, a compact refrigerator (maximum 4.4 cu. ft.) and a small microwave (maximum of 800 watts) are allowed.

#### **STUDENT LIFESTYLE**

A major purpose of the university is to assist students in their preparation for daily living. The totality of the university environment is intended to be a learning experience. Some of the most significant learning occurs in the context of everyday experiences.

Students are expected to exercise self-discipline and sound judgment and to manage their conduct both on and off the main campus in a manner consistent with agreements made upon application and with the university *Catalog* and the *Student Handbook*. In addition, an accepted application for admission and subsequent registration is considered an agreement between the university and the student for the following:

- to demonstrate responsible citizenship by showing concern and respect for the freedom and rights of others;
- to give thoughtful attention to the development of personal values as a basis for wholesome Christian conduct; and

- to abstain from the use of alcoholic beverages, tobacco, illegal drugs, the use of profane language, gambling, pornography, and from entertainment which diminishes moral perceptivity and judgment.

Point Loma Nazarene University has a strict policy regarding any use of alcohol, illegal drugs, and tobacco or smoking products. The university reserves the right to require a test for drugs upon probable cause. The expense for tests with positive results is the student's responsibility. Participation in such activities is cause for disciplinary action, suspension, or termination from the university.

## **Student Engagement and Retention**

The offices within Student Engagement and Retention strive to provide place, voice, and connection for each PLNU student. A PLACE...to belong, to grow; a place safe enough to take risks, try new ways of doing and being; a VOICE...to question and explore, to declare oneself; a voice for the present and the future; a CONNECTION...of faith, of reason, of friendship, of community. These opportunities exist through the numerous resources and co-curricular programs provided by the offices within Student Engagement and Retention. Student Engagement and Retention includes the following offices: Career Services, Chapel Attendance, Community Life (student leadership, student government, student activities), Commuter Student Services, Multicultural and International Student Services, Nicholson Commons (student center, student activities), Outdoor Leadership and Recreation, Student Employment, and Transfer Student Services.

### **CAREER SERVICES**

It is the goal of the Career Services Office to assist students in the process of career selection and planning. The Career Services program provides the following:

**Office of Career Services.** The director and associate director furnish one-on-one counseling in assessment, career planning, job search techniques, resume development, and arrangements for campus job interviews. In addition, the office offers seminars highlighting all aspects of employment readiness plus pertinent issues relating to future employment. An annual Career Fair in the spring aids the students in selecting a viable career as do other Job Fairs held throughout the year for nursing, teacher education, and summer camps. Students are also able to attend a Graduate School Fair and a Seminary/Religious Studies Fair to help them choose an appropriate graduate experience.

**Career Resource Center.** The Center offers students a wide range of career-related materials including graduate school information, NACElink, MonsterTRAK.com—a daily update of job listings—access to the Internet, a mock interview video room, job search materials, and employer information. More information is available at [www.pointloma.edu/career](http://www.pointloma.edu/career).

### **COMMUNITY LIFE**

The Office of Community Life seeks to assist students in their personal growth and in leadership development. Experiential leadership opportunities are designed as a developmental offering from this department. Also, programs offered provide quality and affordable activities throughout the academic year.

In addition to the all-student outings and small group activities sponsored by Community Life, the Activities and Community Relations offices of the Associated Student Body (ASB) sponsor many events that provide opportunities for personal growth.

### **STUDENT GOVERNMENT (ASB)**

The Associated Student Body of Point Loma Nazarene University (ASB) is a constitutional organization of the entire student body created for the purpose of (a) providing meaningful, student-sponsored educational, social, cultural, religious, and service opportunities for member students; (b) fostering constructive communication and interaction between the members and the administration and faculty; (c) fostering good relations between ASB members and the university's surrounding community; (d) establishing rapport with other student associations with similar objectives; and (e) providing opportunities for members to develop leadership qualities. The affairs of the ASB are managed by a student board of directors elected by the student body. A staff member from the Office of Student Development serves as advisor to the student government.

### **STUDENT ORGANIZATIONS**

Students may join one or more of the organizations that provide co-curricular activities.

- **Art Society**, a group of students with a common interest in art. Whether students are talented in the creation of art or merely have appreciation for art, all skill and interest levels are welcome.
- **Asian Student Union (ASU)**, a club for Asian students or for any who are interested in Asian culture.
- **Association of Latin American Students (ALAS)**, a club for Latin American students or for any who are interested in Latin American culture.
- **Board of Review**, as the judicial branch of the ASB, the Board of Review upholds the Associated

Student Body Constitution and ensures students' rights therein.

- **Black Student Union (BSU)**, a club for African American students or for any who are interested in African American culture.
- **Cheerleading**, for students who support the sports program through organized cheering.
- **College Democrats**, brings in guest speakers and plans events that promote the political views of the Democratic Party.
- **College Republicans**, a club for those who wish to actively support or are interested in the political views of the Republican Party.
- **Delta Alpha Pi**, honor society for students with disabilities who have achieved academic excellence.
- **French Club**, for students who wish to practice speaking French and learn about French culture.
- **Guerilla Film Society**, for students interested in film-making and film appreciation.
- **Herpetology Society**, for reptile and amphibian enthusiasts.
- **Hui O Hawai'i**, a club for Hawaiian students or for any who are interested in Hawaiian culture.
- **International Club**, a support organization for international students.
- **Kinesiology Society**, exists to unite students majoring in a program of the Kinesiology Department.
- **Men's and Women's Volleyball**, for students at the university who wish to play volleyball on a club team.
- **Microfinance Club**, gathering of students who share a common interest in microfinance. The group strives to spread awareness about Microfinance and the impact it is making in alleviating poverty both locally and around the globe.
- **Mu Kappa**, an international organization for students whose parents serve as Christian missionaries.
- **Musical Theatre Club**, a group of students passionate about musical theatre, whether interest in in watching musical theatre or participating.
- **Phi Alpha Theta**, the international society in History program at PLNU.
- **Point Blank**, a capella group open to both men and women.
- **Pointless**, an all-male a capella ensemble for students performing at the university.
- **Phi Upsilon Omicron**, a national honor society in Department of Family and Consumer Sciences.
- **Pi Sigma Alpha**, stimulates student scholarship and interest in government, public affairs, and political philosophy.
- **Psi Chi**, a national honor society for students in the Department of Psychology.
- **Rugby Club**, for students interested in playing rugby competitively.
- **Social Work Club**, a professional organization designed to increase social awareness and serve the community.
- **Student Affiliates of the American Chemistry Society**, promotes the field of Chemistry.
- **Students in Free Enterprise**, a club for students interested in business practices and principles.
- **Social Work Club**, for students interested in the field of social work.
- **Society for the Integration of Psychology and Theology**, for students who are interested in discussions pertaining to both fields of study.
- **Student Nurses Association of Point Loma**, an organization for students planning to enter nursing as a career.
- **Surf Club**, for students who wish to surf competitively.
- **Thon Club**, for students interested in running.
- **Tri Beta**, a national honor society for students in the Biology program.
- **Voices in Praise**, a vocal ensemble that exists to provide an outlet for worship in a diverse style.

There is one scholastic organization: **Phi Delta Lambda**, the national honor society for all educational institutions of the Church of the Nazarene, for undergraduate students who are academically ranked in the upper-fifteen percent of the graduation class; these students are so recognized during the undergraduate commencement ceremonies.

#### **STUDENT MEDIA**

**Student Newspaper.** The official publication of the student body is *The Point Weekly*. The editor is appointed by the Media Board, subject to certain scholastic and residence requirements. The staff, recommended by the editor and approved by the Media Board, affords interested students an opportunity for practical training in journalism. The subscription price for the paper is included in the general fee.

**Yearbook.** *The Mariner* is the student body yearbook and is a pictorial record of university activities during the academic year. The editor is appointed by the Media Board. The staff is chosen by the editor. The publication is supported by student fees and advertising. An additional fee may be charged for its reservation.

**Other Publications.** The *Student Handbook*, containing general information, including policies and regulations, is published each year. It is also available on the PLNU Web site under the heading of Student Development. The *Driftwood* is the annual student literary magazine published by the Department of Literature, Journalism, and Modern Languages. Students from all majors, faculty, and staff are encouraged to submit features, photographs, designs, and business ideas. Students from all majors may join the staff.

**Radio Station.** KPLR, the university radio station, provides professional training for students developing a career in broadcasting. The station serves the main campus and Internet listeners with a contemporary Christian format.

**Television Station.** CCTV, the university's cable broadcast medium, allows students to write and produce original programming that is aimed at educating and entertaining the on-campus community. CCTV strives to follow current industry standards in all areas of station operation. Staff positions are filled annually, and students from all majors are encouraged to participate.

#### **COMMUTER STUDENT SERVICES**

Commuter Student Services is committed to providing services and programs for students who do not live in university residential housing. The current programmed activities are designed to stimulate social interaction among commuters. The Commuter Student Services office is located on the first floor of Nicholson Commons to serve as a primary point of contact for commuters and as an on-campus advocate for their unique needs. For more information about the kinds of events and services offered, students may visit [www.pointloma.edu/Commuter](http://www.pointloma.edu/Commuter).

#### **MULTICULTURAL AND INTERNATIONAL STUDENT SERVICES**

This office seeks to build cross-cultural understanding, appreciation, and unity in the university community, accomplished by supporting students of multi-ethnic backgrounds as individuals and as part of student organizations. The university offers multi-cultural and international student services, as well as a diversity leadership scholarship.

##### ***Multicultural Student Services***

The director provides multicultural activity programming, supervises ethnic/cultural diverse student leadership groups, administers the Diversity Leadership Scholarship, and helps coordinate interaction among alumni (MOSAIC Alumni Auxiliary), current students and prospective students of color. Connections are built primarily under the banner of MOSAIC (Multicultural Opportunities for Students Actively Involved in Community). This includes the Association of Latin American Students (ALAS), Black Student Union (BSU), Hui O' Hawaii, International Club, Asian Student Union (ASU), Mu Kappa International, Voices in Praise (VIP) Gospel Choir, Team Barnabas Mentoring Program, and Voices in Praise--Gospel Choir, which exist to glorify God through excellent choral and instrumental worship and praise.

##### ***International Student Services***

International Student Services provides and organizes professional services for international students in the areas of counseling, advising, encouragement, transition and assistance in complying with U.S. government regulation. It serves as the university liaison to United States Citizenship Immigration Services (USCIS), assisting with visa procurement and I-20 documentation. It advises F-1 students effectively, assuring institutional adherence to those immigration regulations and procedures and interpreting U.S. immigration policy to the university community.

#### **NICHOLSON COMMONS**

Nicholson Commons provides activities and programs that enrich the university community academically, socially, physically, emotionally and spiritually. This social center for the university supports faculty, staff, and students in their desire to stimulate learning through positive, informal, collegial contact. The facility houses an Information booth, study areas, lounges, the Recreation Room, Common Knowledge Bookstore, Express Store, dining rooms, conference rooms, MOSAIC Commuter Lounge, Commuter Student Services, Point Break Cafe, Outdoor Leadership and Recreation Program and offices for ASB, the Mane Event Office, Nicholson Commons staff, clubs, organizations, the offices of Spiritual Development and Student Development, KPLR radio station, and the Wellness Center.

Meals are served regularly in the Dining Room of Nicholson Commons and conform to regulations of the City and County of San Diego and the State of California. Resident students are required to subscribe to a meal plan. Other students, faculty, staff, and guests may purchase meals on an individual basis. A snack bar, Point Break Cafe, is available for short orders.

#### **OUTDOOR LEADERSHIP AND RECREATION**

Outdoor Leadership and Recreation, located on the first floor of Nicholson Commons, provides equipment and opportunities for engaging students in the enjoyment of the outdoors. Through four programs, university students establish relationships with friends, rent equipment for getaways, learn new activities while exploring God's creation, and discover ways of working with peers through team-building programs. Programs include: the Recreation Room, the Outdoor Rental Center, Great Escapes Adventures, and the Guide Development Program.

#### **STUDENT EMPLOYMENT**

The mission of the Office of Student Employment is to help students discern and/or confirm their individual callings through their university employment experiences. Student Employment offers a variety of services

including: online postings of both on- and off-campus jobs, support and advice for students who encounter challenges with their employment, and job search assistance. For more information, visit [www.pointloma.edu/work](http://www.pointloma.edu/work).

#### **TRANSFER STUDENT SERVICES**

Transfer Student Services serves as a central point of information for campus resources, services, and opportunities designed specifically for transfer students. We provide students with assistance, support and connections to campus resources to facilitate a smooth transition to the PLNU community. Transfer Student Services is located within the Commuter Student Services office on the first floor of Nicholson Commons. They are here to help you, the Transfer Student, succeed at Point Loma Nazarene University. For more information, students may visit [www.pointloma.edu/transferstudentservices](http://www.pointloma.edu/transferstudentservices).

#### **Wellness Center**

Wellness encompasses physical, emotional, intellectual, spiritual, and social health. Point Loma Nazarene University offers programs that enable all students to participate in and be educated in these aspects of wellness. The center's mission is to assist students in maintaining a high level of wellness so they are able to achieve their academic goals.

The Wellness Center coordinates services in physical and emotional health and in outreach education. A team of nurse practitioners, counselors, and health educators work together to provide a comprehensive program. The staff has developed ties with a number of practitioners in the San Diego area including physicians, urgent care facilities, counselors, and dentists.

The center is open from 8:00 a.m. to 4:00 p.m., Monday through Friday, and closes from 12:30 to 1:30 for lunch. A nurse practitioner may be seen in the morning on a walk-in basis and in the afternoon by appointment only. Counseling appointments may be made by calling the center's assistant at 619-849-2574. Counseling and most medical services are free to all registered students. There are charges for medications, injections, strep and other tests, labs, and physicals. Additional services include: a bimonthly physician clinic, immunizations, tuberculosis skin testing, travel medications, the Peer Educator Program, referrals, wellness speakers, support groups, and special presentations. For more information, students may visit the Wellness Center Web site at [www.pointloma.edu/wellnesscenter](http://www.pointloma.edu/wellnesscenter).

#### **EMERGENCY SERVICES**

Professional staff is on-call for emergencies after hours and can be accessed through the Department of Public Safety. In case of any emergency, PLNU Public Safety are to be notified at extension 2525 (on campus) or 619-849-2525 (if utilizing a cell or off-campus phone).

PLNU Public Safety personnel will coordinate with emergency personnel and assist as needed. All Community Service Officers and Public Safety Staff Officers are trained in First-Aid, CPR and AED and can render first response until emergency services arrive. No one should attempt to move an injured person until Public Safety personnel arrive.

For additional information on emergency situations, students may visit the Web site at [http://www.pointloma.edu/PublicSafety/In\\_Case\\_of\\_Emergency.htm](http://www.pointloma.edu/PublicSafety/In_Case_of_Emergency.htm).

#### **STUDENT INSURANCE**

Insurance is an important part of health care. **All students must have insurance coverage for illness and injury.** The Wellness Center recommends that all parents and students review their private insurance, talk about how to access care in San Diego County, and plan ahead for possible future needs. All undergraduate students regardless of course load or study abroad status are billed for a student insurance policy each year. With proof of health insurance, students may waive charges on a yearly basis via the student portal at <https://my.pointloma.edu>.

To waive or select student insurance:

1. Students login to <http://my.pointloma.edu> using their campus network/e-mail user name and password;
2. Click on the **Students** link and scroll down in the Services Overview screen;
3. Under Student Services Update, click on the **Update Insurance Election** link;
4. Under Select Health Insurance Coverage, select PLNU School-Based Health Insurance or Private Health Insurance;
5. Click on **Submit Changes** to update the information.

There is a deadline for this process after which charges cannot be removed from the student's account. There is no provision for student insurance for students who enter during the summer. The student insurance plan is available for graduate students, spouses and children by application through the Business

Office during the first three weeks of fall and spring semesters.

# ***ADMISSION REQUIREMENTS AND PROCEDURES***

As a Christian institution providing higher education in the liberal arts and selected professional areas, Point Loma Nazarene University offers admission to qualified applicants of moral character, personal maturity, and intellectual ability. Preference is given to those who share the ideals and objectives of the university, and whose self-directive capabilities might enable them to profit in an optimal way from its total program of learning and developmental experiences. The Enrollment Management Committee of the faculty has ultimate responsibility for admission and readmission to the university. The university maintains a policy of non-discrimination in the admission of students.

All necessary forms in the process of application may be obtained from the Admissions Office. In preparation for initial entrance or readmission, applicants are encouraged to file the appropriate forms early in the process. Admission to the university does not in itself assure the student of housing, financial aid, or other necessary arrangements. It is the responsibility of the applicant to make such arrangements with the appropriate office. February 15 is the priority deadline for admission to the university for the fall semester.

## **Admission to Freshman Standing**

Students may apply as early as the fall semester of their senior year in high school or one year prior to transfer from another college or university. First-year applicants may apply for early action or regular admission. Early action is an option reserved for students who have made Point Loma Nazarene University one of their top-choice institutions providing notification by December 20. The deadline for early action is November 15 and requires receipt of all admission materials, including transcripts and test scores. Applicants for the February 15 regular admission priority deadline and those deferred from Early Action may receive notification between mid-March and the first week of April. Students seeking admission to the university following their secondary education must file the following with the Admissions Office:

- a formal application for admission;
- two recommendations;
- official SAT and/or ACT score reports;
- an official high school transcript or its equivalent; and
- a formal interview (strongly encouraged but not required).

The university expects applicants for admission to follow a typical preparatory course of study during their high school years. This should include the following program:

English	4 years
One foreign language	2 years
History	1 year
Algebra	1 year
Geometry	1 year
Laboratory science	1 year

**Note:** Students who plan to major in mathematics or any of the sciences should include at least three years of mathematics and laboratory courses in physical or biological sciences in their high school programs.

Students who are admitted with any deficiencies in the above preparatory pattern may be required to make up such deficiencies either by taking certain courses or by demonstrating a minimum level of proficiency through acceptable scores on standardized achievement tests.

Freshmen entering Point Loma from accredited high schools have an aggregate GPA of above 3.68 and an average score of 1125 on the SAT examination.

## **Admission of Transfer Students**

Students seeking admission from accredited colleges and universities must file the following with the Admissions Office:

- a formal application for admission;
- two recommendations;
- official SAT and/or ACT score reports and an official high school transcript (for students with less than 36 completed semester units at application);
- official transcripts of all college/university course work; and
- a formal interview (recommended).

Students from accredited colleges and universities may be considered for admission provided a GPA of 2.000 has been maintained in all previous course work. Transfer applicants who have met all priority deadlines will receive notification between early February and mid-April. The university has developed articulation agreements with a number of community colleges. Transcripts submitted from non-accredited institutions are evaluated on an individual basis. Transcripts from universities outside the United States must be evaluated for the student by an independent evaluation service approved by Point Loma. Transfer students who do not have all official transcripts on file with the Admissions Office before initial registration may be admitted but will not be allowed to register for the following semester until all transcripts are on file. Issues related to proper placement are addressed below under "Advanced Placement."

Students from community colleges may transfer in a maximum of 70 applicable units toward the baccalaureate degree at Point Loma. All courses taken at a community college transfer as lower-division units only.

### **Admission of International Students**

Point Loma Nazarene University welcomes students from all over the world. Students for whom English is not the native language must demonstrate English language proficiency by taking the Test of English as a Foreign Language (TOEFL), available through the Educational Testing Service, Box 955, Princeton, New Jersey 08540. A score of 550 on the paper-based TOEFL is required, or 216 on the computer-based exam, or 80 for the TOEFL Internet Based Test (iBT). International students seeking admission to the university must file the following documents with the Admissions Office:

- a formal application for admission;
- two recommendation letters;
- official evaluated transcripts (high school or university) ;
- SAT/ACT scores if the student's native language is English or official TOEFL scores (for non-native speakers);
- an affidavit of support; and
- a formal interview (strongly recommended).

Students seeking to receive credit at the university from an institution outside the United States are required to have their foreign transcript evaluated by a service that is accredited by the National Association of Credential Evaluation Services (NACES). A detailed or course-by-course report is required. Official foreign transcripts are submitted to the service of choice and the evaluations subsequently submitted directly to the Office of Records. For further information, students may contact the Director of International Student Services/International Admissions Counselor.

### **Readmission to the University**

Students who leave the university must apply for readmission through the Office of Admissions, meeting calendar deadlines and making deposits as required. Students whose continuous enrollment is not interrupted by more than two consecutive semesters may remain under their declared applicable *Catalog*. Those who are readmitted after three or more semesters of non-attendance return under the *Catalog* in effect at the time of readmission.

- Special Features
- Study Abroad Programs
- Credit from Other Sources
- Majors and Minors

## ***SPECIAL FEATURES***

### **Entrance and Placement Examinations**

All applicants for admission to the university are required to take either the ACT Assessment of the American College Testing Program (ACT) or the Scholastic Assessment Tests (SAT) of the College Board. These tests are administered at high schools and university test centers throughout the United States. The scores earned are used for placement in certain courses. The Point Loma Nazarene University SAT testing code is 4605; the ACT code is 0370. Entering students who have not taken the entrance examination are required to meet this requirement after arrival.

### **First-Year Experience (FYE)**

Educating the Student...Developing the Student... Serving the Student. This is the focus of Point Loma Nazarene University's First-Year Experience (FYE) program. FYE includes academic and personal development activities and services that strive to be as seamless as possible. The goal of Point Loma's FYE is to support and facilitate the transition to university life as students learn how to take responsibility in seeking to develop skills to meet the challenges of higher education, self-awareness and understanding of others, the enjoyment of a wide variety of services, and setting the course to enter into the community of faithful learners.

### **New Student Orientation (NSO)**

An important component of the First-Year Experience at Point Loma Nazarene University is a program known as New Student Orientation (NSO). An intensive orientation to all aspects of student life at the university, NSO welcomes students and families to the main campus for a three-day series of events that focus on issues such as academic life, residential life, adjustment to the challenges of a university education, financing one's education, and enjoyable social events. The NSO experience is the culmination of mailings and Web site offerings prepared and administered by a cross-section of the university community, including staff, faculty, and student leaders. NSO is offered both in August and in January.

### **Learning Experiences for Academic Progress (LEAP)**

Learning Experiences for Academic Progress (LEAP) provides a small group of freshmen with a year of selected activities, structured academic programming, and on-campus support services in order to increase academic success, retention, and degree attainment. The LEAP experience is designed to assist students with the transition from high school into a four-year, residential environment by providing a network of educational, personal, social, and spiritual support for one academic year. Faculty members, along with professionals from Academic Advising, Engagement and Retention, and Residential Life, serve as advocates and facilitators to encourage students to achieve their educational goals. The program places a significant emphasis on the university-level writing and reasoning skills necessary to promote student learning. In both fall and spring semesters, students take a maximum of 13 units and receive tutorial services. The year-long Freshman Studies Seminar (FST 100, FST 101) focuses on study skills, motivational issues, and the institutional and personal resources that can contribute to academic success. In addition to curricular programming and academic enrichment, purposeful and holistic co-curricular opportunities are incorporated into LEAP.

### **Freshman Seminar (Psychology 101)**

Typical of many institutions of quality, Point Loma Nazarene University offers a freshman seminar required of all first-time freshmen in their first year of study. Presented in a unique combination of colloquium, lecture, and small-group laboratory experience, the seminar is designed to assist the student in understanding Point Loma Nazarene University as an academic, religious, and social culture. The semester-long experience features guest speaker, films, panels, and a variety of settings in which theories and issues in psychology are related to the student's own level of need to develop mentally, spiritually, and socially.

### **Integrated Semester for Freshmen (ISF)**

A learning community experience, PLNU's Integrated Semester for Freshmen (ISF) is a one-semester fall program of five classes and sixteen units open to 48 first-year students. Professors from several departments plan together for thematic studies and discussions that provide a unique synergism for cross-disciplinary learning. Other emphases of the program include writing across the curriculum, the development of a dynamic, close-knit learning community, and achieving an academically successful first semester. All courses in this program fulfill undergraduate graduation requirements in general education. An activity fee covers costs of special activities including a mid-week retreat and a cultural event.

### **Course Challenge Programs**

Students may use a variety of vehicles for meeting graduation requirements other than in the traditional classroom. These include the Advanced Placement (AP) program sponsored by the College Entrance Examination Board, approved on-line courses, the College Level Examination Program (CLEP), and the

International Baccalaureate (IB) program. (See also Transfer Credit.)

**ADVANCED PLACEMENT PROGRAM (AP)**

Entering students who have satisfactory scores on AP examinations may receive credit in applicable areas of the curriculum. A score of four or five receives six units of credit where appropriate; a score of three receives three units. Credits awarded through the AP program are subject to the transcribing fee.

First-time freshman students who enter with advanced standing by a variety of means open to them are required, nevertheless, to fulfill the normal freshman experiences, even when the number of transcribed units exceeds the technical category of freshman. These include Psychology 101, Writing 110 (or its equivalent), and Bible 101-102, unless met by substitutions approved by the Vice Provost for Academic Administration.

**INTERNATIONAL BACCALAUREATE (IB)**

Point Loma recognizes the International Baccalaureate (IB) program and awards advanced standing for Higher Level courses completed with a score of five or above. Official IB transcripts must be sent to the Office of Records for consideration. Credits awarded through the IB program are accepted as university credits and are not subject to the transcribing fee. For complete information, students should contact the Office of Records.

**COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)**

Students may earn up to 32 semester units of credit by demonstrating proficiency in Subject Examinations related to graduation requirements. Credit is awarded as recommended by the College Board, with some restrictions to certain majors and general education. Credits are awarded only after the student has earned twelve units in residence with a minimum GPA of 2.000. The university charges a per-unit fee for transcribing course challenge credits in CLEP.

**Study Abroad Opportunities**

The Study Abroad office creates and provides programs that directly serve the mission of the university, primarily at international sites. Specifically, these study abroad programs provide students with the opportunity to expand their understanding of global and societal issues through direct study in a culture distinct from their own. Participation in these programs amplifies and extends the "teaching, shaping, and sending" emphasis of the university mission by helping students encounter and understand changes confronting our world in the context of global community and world citizenship.

Point Loma Nazarene University cooperates in selected academic programs abroad and encourages students to consider such an experience. These programs directly support the university's core values of providing a global perspective and experience, and the appreciation of ethnic and cultural diversity. Students applying to study abroad enroll in these programs by registering with the Study Abroad office. All students must determine, in advance, with their faculty advisors and the director of Study Abroad, how courses taken through these programs will be applied to their specific graduation requirements. Furthermore, students must consider the implications of study abroad on university-funded scholarships. Additional information and application materials may be obtained on-line at [www.pointloma.edu/studyabroad](http://www.pointloma.edu/studyabroad). Students may also e-mail the office at [studyabroad@pointloma.edu](mailto:studyabroad@pointloma.edu), or contact the office by telephone at 619-849-2783. Students who are on academic probation, or those who are not cleared by the Office of the Dean of Students, are not eligible to participate in Study Abroad programs.

Programs designated with [CCCU] are sponsored by the Council for Christian Colleges and Universities.

# ***STUDY ABROAD PROGRAMS***

In support of its core values regarding developing a global perspective and promoting ethnic and cultural diversity, Point Loma Nazarene University actively encourages all students to spend a full semester studying outside the United States or with a designated domestic program. In an ever-expanding global community, the university recognizes the value of providing for students the opportunity to live and learn in another culture. Such an experience allows students to expand their understanding of other cultural settings as well as reflect upon their own country and culture.

Point Loma Nazarene University cooperates in selected academic programs abroad and encourages students to consider such an experience. These programs directly support the university's core values of providing a global perspective and experience, and the appreciation of ethnic and cultural diversity. Students applying to study abroad enroll in these programs by registering with the Study Abroad office. All students must determine, in advance, with their faculty advisors and the director of Study Abroad, how courses taken through these programs will be applied to their specific graduation requirements. Furthermore, students must consider the implications of study abroad on university-funded scholarships. Additional information and application materials may be obtained on-line at [www.pointloma.edu/studyabroad](http://www.pointloma.edu/studyabroad). Students may also e-mail the office at [studyabroad@pointloma.edu](mailto:studyabroad@pointloma.edu), or contact the office by telephone at 619-849-2783. Students who are on academic probation, or those who are not cleared by the Dean of Students, are not eligible to participate in Study Abroad programs.

Programs designated with [CCCU] are sponsored by the Council for Christian Colleges and Universities.

## **OCP 000 (12-17) OFF-CAMPUS PROGRAM**

Students taking courses through a cooperative agreement with another credit granting institution register for this course.

## **OCP 210 (6) LATIN AMERICAN STUDIES PROGRAM**

Located in San Jose, Costa Rica, the program gives students the opportunity to study the language, culture, politics, history, economics, ecology, and religion of the region while living with a Costa Rican family. Students also participate in a service opportunity and travel for two weeks to surrounding countries. Three specialized academic concentrations, International Business and Management, Tropical Sciences and Sustainability, and Language/Literature are available to qualified students. [CCCU]

## **OCP 220 (6) MIDDLE EAST STUDIES PROGRAM**

The Middle East Studies Program (MESP) in Cairo, Egypt provides students with the opportunity to study Middle Eastern cultures, religions, and conflicts from within this diverse and strategic region. Juniors and seniors participate in interdisciplinary seminar classes, receive Arabic language instruction and serve as interns with various organizations in Cairo. The MESP encourages and equips students to relate to the Muslim world in an informed and constructive manner. [CCCU]

## **OCP 230 (6) RUSSIAN STUDIES PROGRAM**

The Russian Studies Program enables juniors and seniors from Christian colleges to spend a semester living and learning in Russia. Students study the Russian language and attend seminar courses on Russian culture, history and current political and economic issues. Program participants experience a variety of Russian environments, living for twelve weeks in Nizhni Novgorod and visiting both Moscow and St. Petersburg. The semester includes the opportunity to participate in a service project and to live with Russian families for a portion of their stay. [CCCU]

## **OCP 245 (6) CHINA STUDIES PROGRAM**

The China Studies Program is interdisciplinary and has been designed primarily for juniors and seniors. Participants are able to view China from the inside and to experience its culture and its diversities. Courses include: Basic Conversational Chinese, Chinese History and Culture, Contemporary Chinese Society, Economic Development and Reform Policies, and Politics and Foreign Affairs of China. [CCCU]

## **OCP 290 (1-8) INSTITUTE FOR FAMILY STUDIES**

The Institute for Family Studies is offered through Focus on the Family. It is a 15-week program (up to 16 semester units of credit) offered in Colorado Springs, Colorado, for students wishing to study the pressing issues facing the family from a Christian world-view perspective.

## **OCP 299 (1-16) SPECIAL OFF-CAMPUS STUDIES**

Studying at the lower-division level in an approved program at an off-campus setting. All such programs must have the endorsement of the Academic Policies Committee.

## **OCP 300/400 (4-8) AU SABLE ENVIRONMENTAL FIELD STUDIES PROGRAM**

Biology majors and other interested students may take advantage of unique, environmentally-oriented field courses offered through the Au Sable Institute of Environmental Studies, a Christian organization offering course work and field experiences in the context of Christian environmental stewardship. Courses are

offered during two 5-week sessions in the summer at three North American campuses (Great Lakes, Pacific Rim, Florida) and two international venues (India, Kenya). Courses offered include field botany, animal ecology, mammalogy, ornithology, marine biology, conservation ecology, and ecology of various ecosystems (forest, fresh water, alpine, tropical).

**OCP 305 (1-16) AMERICAN STUDIES PROGRAM**

Students spend a semester in Washington, D.C., earning academic credit by serving as interns and participating in a contemporary, issue-oriented seminar program. Internships are available in congressional offices, social service agencies, think tanks, cultural institutions and many other organizations. The program is designed for juniors and seniors with a wide range of academic majors and vocational interests. [CCCU]

**OCP 310 (10) LATIN AMERICAN STUDIES PROGRAM**

See OCP 210 for description.

**OCP 315 (1-16) LOS ANGELES FILM STUDIES CENTER**

This program enables students to serve in various aspects of the film industry with professional skill and Christian integrity. Located in Burbank, California, near major production studios, the semester-long program combines seminar course work with internships in various segments of the film industry, providing the opportunity to explore the industry within a Christian context and from a liberal arts perspective. [CCCU]

**OCP 320 (10) MIDDLE EAST STUDIES PROGRAM**

See OCP 220 for description.

**OCP 330 (10) RUSSIAN STUDIES PROGRAM**

See OCP 230 for description.

**OCP 335 (12-16) OXFORD HONORS PROGRAM**

Students spend a semester in England studying in a rigorous academic program, aimed at increasing critical thinking skills and scholarship from an integrated Christian perspective. Participants choose from a wide variety of tutorial study programs in numerous disciplines, including the arts, religion, history, literature, and philosophy. In addition to two Oxford tutorials, students participate in a seminar and an integrative course through which they produce a scholarly project or term paper. Field trips provide opportunities for experiential learning in England's rich historical setting. [CCCU]

**OCP 340 (1-16) UGANDA STUDIES PROGRAM**

The Uganda Studies Program (USP) is designed to integrate the study of culture, history, religion, politics and humanities into a blended classroom and experiential survey of Ugandan life. It is comprised of an experiential course (designed especially for USP students), two of three African core courses and electives. All of the courses are taught and housed at Uganda Christian University. [CCCU]

**OCP 345 (10) CHINA STUDIES PROGRAM**

See OCP 245 for description.

**OCP 350 (1-16) WASHINGTON SEMESTER PROGRAM**

This American University program provides course work and internship opportunities in national politics, foreign policy, economic policy and justice, and a number of other fields. Students live and study on the campus of the American University.

**OCP 355 (1-16) WASHINGTON JOURNALISM CENTER**

The Washington Journalism Center is an advanced experiential semester on Capitol Hill that will cultivate professional news skills and encourage students to think through the implications of being a Christian working in the news media in a city that is home to the powerful and the powerless. [CCCU]

**OCP 360 (1-12) SACRAMENTO SEMESTER PROGRAM**

This program is housed at California State University, Sacramento. It provides course work and internship opportunities for students interested in state politics.

**OCP 370 (1-16) UNITED NATIONS SEMESTER**

The United Nations Semester is offered through Drew University. Participating students attend official meetings, seminars and do research at the United Nations while taking international organization classes at Drew.

**OCP 380 (1-16) WORLD CAPITALS PROGRAM**

This American University program provides course work and internship opportunities at several national capitals around the world. These study-abroad programs allow students to study languages, government policies and cultures of the host nation.

**OCP 385 (6) PLNU AND INSTEP CAMBRIDGE SUMMER STUDY ABROAD PROGRAM**

PLNU and the Institute of Economic and Political Studies (INSTEP) offer a summer study-abroad program in Cambridge, England. Students spend six weeks concentrating on coursework designed for those with

interests in international relations, political economy, economics and international business. Students choose two three-unit courses from five offerings, all taught by senior INSTEP academics.

**OCP 390 (1-12) INSTITUTE FOR FAMILY STUDIES**

See OCP 290 for description.

**OCP 399 (1-16) SPECIAL OFF-CAMPUS STUDIES**

Study at the upper-division level in an approved program at an off-campus setting. All such programs must have the endorsement of the Academic Policies Committee.

## ***CREDIT FROM OTHER SOURCES***

Sources of Credit	Yes	No	Credit Requirement Accepted	Minimum/Maximum Credit	Comment
1. Advanced Placement Examinations (AP)	•		Score of 3, 4, or 5	None	Credit only in applicable areas of the curriculum.
2. College-Level Examination Program (CLEP) General Examinations and Freshman Composition.		•			Only subject exams are accepted.
3. College-Level Examination Program (CLEP) Subject Examinations	•				Some restrictions in specific majors. See Records Office.
4. International Baccalaureate (IB)	•		Score of 5 or higher		Higher level only.
5. NLN - National League for Nursing Mobility Profile	•				Granted upon the recommendation of the Department of Nursing.
6. Excelsior College Examinations #554(Licensed Vocational Nurse)	•		Minimum of "B" or better	8 units	Granted only upon the recommendation of the School of Nursing.
7. Credit recommendations of the ACE Guide to the Evaluation of Educational Experience in Armed Services a. Military services b. Approved Academic Service Schools		•			PLNU does not recognize these credits.
8. Military Discharge Document (DD214) or active military identification card	•		Approved military activities (yrs, boot camp, etc.)		Waives PED 100, and physical activity requirement.
9. Units by non-traditional delivery systems	•				See "Academic Regulations."
10. Bible Colleges not accredited by Western Association of Schools and Colleges or a comparable regional accrediting association		•			Limited credit accepted, reviewed after student attends PLNU for a semester.
11. Non-U.S. college and university transcripts	•				Transcripts must first be submitted by the student to NACES for evaluation.
12. Reserve Officer Training Corps (ROTC)	•				In cooperation with SDSU and USD. See Records Office for articulation agreements.
13. Accredited community college transcripts	•				See Records Office for articulation agreements.
14. Study Abroad	•				See Office of International Studies for PRIOR approval.
15. Continuing Education units		•			Offered only, however, through Professional Studies and Continuing Education. See Records Office.
16. GED	•				In lieu of a high school transcript.

## ***MAJORS AND MINORS***

**NOTE:** The list below is NOT a summary of all PLNU majors, minors, and concentrations. It is, rather, an indication of programs that the university offers under selected titles chosen from the standpoint of prospective students (for example, "Social Services" for at least four major programs at Point Loma).

### **Accounting**

**Major:** Accounting

**Concentrations:** None

**Minor:** Accounting

**Department/School:** Fermanian School of Business

### **Art and Design**

**Majors:** Art Education, Graphic Design, Visual Arts

**Concentrations:** Art and Design, Editorial Design, Advertising, Sculpture, Photography, Drawing/Painting/Printmaking

**Minor:** Art

**Department/School:** Art and Design

### **Athletic Training**

**Major:** Athletic Training

**Concentrations:** None

**Minors:** None

**Department/School:** Kinesiology

### **Bible**

**Major:** Biblical Studies

**Concentrations:** None

**Minors:** None

**Department/School:** School of Theology and Christian Ministry

### **Biology**

**Majors:** Biology, Biology-Chemistry, Environmental Science

**Concentrations:** None

**Minors:** Cell and Molecular Biology, Environmental Biology, Organismal Biology

**Department/School:** Biology

### **Business**

**Majors:** Business Administration, Industrial-Organizational Psychology, International Development Studies

**Concentrations:** Marketing, Entrepreneurial/Finance, Management, International Business

**Minors:** Business Administration, International Development Studies, Nonprofit Organization Management, Public Relations (Interdepartmental)

**Department/School:** Fermanian School of Business

### **Chemistry**

**Majors:** Chemistry, Biology-Chemistry, Environmental Science

**Concentrations:** None

**Minors:** None

**Department/School:** Chemistry

### **Child Development**

**Major:** Child and Adolescent Development

**Concentrations:** None

**Minor:** Child Development

**Department/School:** Family and Consumer Sciences

### **Children's Ministry**

**Major:** None

**Concentrations:** None

**Minor:** Children's Ministry

**Department/School:** School of Theology and Christian Ministry

### **Church Music**

**Majors:** Music, Music and Ministry

**Concentrations:** Performance-Instrumental, Performance-Vocal, Church Music, Music Education, Theory

and Composition

**Minor:** Music

**Department/School:** Music

### **Communication**

**Majors:** Broadcast Journalism, Communication, Managerial and Organizational Communication, Media Communication, Theatre

**Concentrations:** Societal Communication, Public Address, Multimedia, Performance, Production, Film Studies

**Minors:** Communication, Media Communication, Public Relations (Interdepartmental), Theatre

**Department/School:** Communication and Theatre

### **Computer Information Systems**

**Major:** Computer Information Systems

**Concentrations:** None

**Minor:** Computer Information Systems

**Department/School:** Mathematical, Information, and Computer Sciences

### **Computer Science**

**Majors:** Computer Science, Information Systems

**Concentrations:** Applied Computer Science, Scientific Programming

**Minors:** Computer Science, Information Systems

**Department/School:** Mathematical, Information, and Computer Sciences

### **Consumer Sciences**

**Major:** Consumer and Environmental Sciences

**Concentrations:** Family and Consumer Sciences

**Minors:** None

**Department/School:** Family and Consumer Sciences

### **Criminal Justice**

**Major:** Sociology

**Concentrations:** Criminal Justice

**Minor:** Criminal Justice

**Department/School:** Sociology and Social Work

### **Dietetics**

**Major:** Dietetics

**Concentrations:** None

**Minor:** Nutrition

**Department/School:** Family and Consumer Sciences

### **Development (Economic)**

**Major:** International Development Studies

**Concentrations:** None

**Minor:** International Development Studies

**Department/School:** Fermanian School of Business

### **Economics**

**Major:** International Development Studies

**Concentrations:** None

**Minor:** International Development Studies

**Department/School:** Fermanian School of Business

### **Education**

**Majors:** Child and Adolescent Development, Liberal Studies (multiple-subject teaching credential) and other single-subject teaching credential areas such as Biology, Chemistry, Mathematics, Literature, Social Science, Physical Education, Family and Consumer Sciences.

**Concentrations:** Refer to departments and schools

**Minors:** Refer to departments and schools

**Department/School:** School of Education, Family and Consumer Sciences, discipline-specific departments and schools

### **Engineering**

**Major:** Engineering Physics

**Concentrations:** None  
**Minors:** None  
**Department/School:** Physics and Engineering

### **Environmental Studies**

**Major:** Environmental Science  
**Concentrations:** None  
**Minors:** None  
**Department/School:** Biology and Chemistry

### **Exercise Science**

**Major:** Exercise Science  
**Concentrations:** Pre-Physical Therapy and Allied Health Program  
**Minors:** None  
**Department/School:** Kinesiology

### **Family and Consumer**

**Majors:** Family and Consumer Sciences, Nutrition and Food, Child and Adolescent Development, Dietetics, Fashion and Interiors  
**Concentrations:** Fashion Merchandising, Interior Design, Food Services Management, Nutrition and Health  
**Minors:** Child Development, Nutrition  
**Department/School:** Family and Consumer Sciences

### **Fashion**

**Major:** Fashion and Interiors  
**Concentration:** Fashion Merchandising, Interior Design  
**Minors:** None  
**Department/School:** Family and Consumer Sciences

### **Food/Nutrition**

**Major:** Nutrition and Food  
**Concentration:** Food Service Management, Nutrition and Health  
**Minors:** Nutrition  
**Department/School:** Family and Consumer Sciences

### **Foreign Languages**

**Major:** Romance Languages, Spanish  
**Concentrations:** None  
**Minors:** French, Spanish  
**Department/School:** Literature, Journalism, and Modern Languages

### **Graphic Communications**

**Major:** Graphic Communications  
**Concentrations:** None  
**Minors:** None  
**Department/School:** Art and Design

### **History**

**Major:** History  
**Minor:** History  
**Department/School:** History and Political Science

### **Interior Design**

**Major:** Fashion and Interiors  
**Concentration:** Interior Design  
**Minors:** None  
**Department/School:** Family and Consumer Sciences

### **International Studies**

**Major:** International Studies  
**Concentrations:** Peace Studies, Geographic Region (Asia, Africa, Europe, Latin America, Middle East, Russia and the former Soviet Union)  
**Minors:** None  
**Department/School:** History and Political Science

## **Journalism**

*Majors:* Broadcast Journalism, Journalism, Writing

*Concentrations:* None

*Minor:* Journalism with a Minor in Spanish, Writing, Public Relations (Interdepartmental)

*Department/School:* Literature, Journalism, and Modern Languages

## **Kinesiology**

*Majors:* Athletic Training, Exercise Science, Physical Education

*Concentrations:* Pre-Physical Therapy and Allied Health Program

*Minors:* Athletic Coaching

*Department/School:* Kinesiology

## **Literature**

*Major:* Literature

*Concentrations:* Literature, English Education

*Minor:* American Literature, British Literature, World Literatures

*Department/School:* Literature, Journalism, and Modern Languages

## **Management**

*Major:* Business Administration, Industrial-Organizational Psychology

*Concentration:* Management

*Minor:* Nonprofit Organization Management

*Department/School:* Fermanian School of Business

## **Marketing**

*Majors:* Business Administration

*Concentration:* Marketing

*Minors:* None

*Department/School:* Fermanian School of Business

## **Mathematics**

*Major:* Mathematics

*Concentrations:* None

*Minor:* Mathematics

*Department/School:* Mathematical, Information, and Computer Sciences

## **Media**

*Major:* Media Communication

*Concentrations:* None

*Minor:* Media Communication

*Department/School:* Communication and Theatre

## **Ministry**

*Majors:* Biblical Studies, Christian Ministry

*Concentration:* Youth Ministry

*Minors:* Children's Ministry, Youth Ministry

*Department/School:* School of Theology and Christian Ministry

## **Music**

*Majors:* Music, Music and Ministry, Music Education Composition, Vocal Performance, Instrumental Performance, Piano Performance

*Concentration:* Music and Ministry

*Minor:* Music

*Department/School:* Music

## **Nursing**

*Major:* Nursing

*Concentrations:* None

*Minors:* None

*Department/School:* School of Nursing

## **Nutrition and Health**

*Majors:* Nutrition and Food, Dietetics

**Concentrations:** Food Service Management, Nutrition and Health  
**Minor:** Nutrition  
**Department/School:** Family and Consumer Sciences

### **Philosophy**

**Majors:** Philosophy, Philosophy and Theology  
**Concentrations:** None  
**Minor:** Philosophy  
**Department/School:** School of Theology and Christian Ministry

### **Physical Education**

**Majors:** Physical Education, Exercise Science, Athletic Training  
**Concentrations:** Pre-physical Therapy, Allied Health Program  
**Minors:** Athletic Coaching  
**Department/School:** Kinesiology

### **Physics**

**Major:** Physics  
**Concentrations:** None  
**Minor:** Physics  
**Department/School:** Physics and Engineering

### **Political Science**

**Major:** Political Science  
**Concentrations:** None  
**Minors:** None  
**Department/School:** History and Political Science

### **Psychology**

**Major:** Psychology  
**Concentrations:** General Psychology, Therapeutic and Community Psychology  
**Minor:** Pre-Therapeutic Psychology  
**Department/School:** Psychology

### **Romance Languages**

**Major:** Romance Languages  
**Concentrations:** None  
**Minors:** French  
**Department/School:** Literature, Journalism, and Modern Languages

### **Social Science**

**Major:** Social Science  
**Concentrations:** None  
**Minors:** None  
**Department/School:** History and Political Science

### **Social Services**

**Majors:** Family and Consumer Sciences, Psychology, Social Work, Sociology  
**Concentrations:** None  
**Minors:** None  
**Department/School:** Family and Consumer Sciences, Psychology, Sociology and Social Work

### **Social Work**

**Major:** Social Work  
**Concentrations:** None  
**Minors:** None  
**Department/School:** Sociology and Social Work

### **Sociology**

**Major:** Sociology  
**Concentrations:** Criminal Justice, General Sociology  
**Minors:** Sociology, Criminal Justice  
**Department/School:** Sociology and Social Work

### **Spanish**

**Major:** Spanish  
**Concentrations:** None  
**Minor:** Spanish  
**Department/School:** Literature, Journalism, and Modern Languages

### **Speech**

**Major:** Communication  
**Concentration:** Public Address  
**Minor:** Communication  
**Department/School:** Communication and Theatre

### **Teaching**

**Majors:** Liberal Studies (Multiple Subject) or approved major (Single Subject), Child and Adolescent Development (Multiple Subject)  
**Concentrations:** Child Development, Multiple Subject Teaching Credential, Single Subject Teaching Credential  
**Minors:** None  
**Department/School:** School of Education, Family and Consumer Sciences, discipline-specific departments

### **Theatre**

**Major:** Theatre  
**Concentrations:** None  
**Minor:** Theatre  
**Department/School:** Communication and Theatre

### **Theology**

**Major:** Philosophy and Theology  
**Concentrations:** None  
**Minors:** None  
**Department/School:** School of Theology and Christian Ministry

### **Women's Studies**

**Major:** None  
**Concentrations:** None  
**Minors:** Women's Studies  
**Department/School:** Women's Studies Center

### **Writing**

**Majors:** Writing, Journalism, Broadcast Journalism  
**Concentrations:** None  
**Minors:** Writing, Public Relations (Interdepartmental)  
**Department/School:** Literature, Journalism, and Modern Languages

### **Youth Ministry**

**Major:** None  
**Concentrations:** See Christian Ministry major  
**Minor:** Youth Ministry  
**Department/School:** School of Theology and Christian Ministry

## TUITION AND FEES

This *Catalog* section contains information on costs and how to take advantage of payment options and financial assistance through the Student Financial Services Office. Students and parents are urged to read the following pages with care. Students are responsible for being aware of, and complying with, the information in this section.

- Tuition
- General Fees
- Special Fees (Non Refundable)
- Summer Graduation Fee (Refundable)
- Music Fees
- Residence Fees
- Approximate Annual Costs (New and Readmitted Students)
- Payment Information
- Refund Policies
- Miscellaneous Financial Regulations

### Tuition

<b>TUITION BLOCK (12-17 semester units)</b>	<b>\$12,650</b>
<i>Less than 12 units (per unit)</i>	\$1,055
<i>Units in excess of 17 units (per unit)</i>	\$845
2010 SUMMER SESSIONS TUITION (per unit)	\$810

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### General Fees

*General fee (per semester) (Refundable) \$270*

This fee assists in covering the cost of student activities, Nicholson Commons operations, and university technology development. (Undergraduate students taking less than 12 units in a semester are charged \$22.50 per unit.)

*University Deposit (at application) \$425*

### HEALTH AND ACCIDENT INSURANCE (NON-REFUNDABLE AFTER FOURTH WEEK OF EACH SEMESTER)

Health and Accident Insurance is required of all undergraduate students. The fee for the PLNU student insurance plan is charged automatically each semester, but may be waived provided the student completes the on-line insurance waiver process (via the Student Access page on the Web) not later than the fourth week of each semester. The fee for 2009-2010 is \$320 per semester. Students wishing to obtain coverage for their dependents may obtain insurance by applying in the Wellness Center during the first four weeks of the semester.

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### Special Fees (Non-Refundable)

Laboratory and course fees	\$30 to 200
Writing tutorial laboratory fee	\$150
Student teaching fee (per unit)	\$75
Late payment fee: 5% of payment due, minimum charge	\$25
Special examination fee	\$15 to 30
Credit by Examination CLEP (per unit)	\$60
Graduation fee	\$100
Educational placement file fee	\$50
Undergraduate matriculation fee	\$50
Student Green Fund	\$5

## Summer Graduation Fee (Refundable Prior to October 1)

Application for Summer Graduation \$500

## Music Fees (Refundable)

Students enrolled in private music lessons are charged the following fees in addition to tuition charges. Students receive 15 lessons per semester.

### PRIVATE LESSONS

One half-hour lesson per week (one unit) \$340

One hour lesson per week (two units) \$680

### PRACTICE ROOMS

Students enrolled in private or class lessons (vocal or instrumental) are charged for the use of a practice room in Cooper Music Center.

### PRACTICE ROOM PER SEMESTER

One half-hour a day \$22

One hour a day \$44

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## Residence Fees

### ROOM AND BOARD (PER SEMESTER)

ROOM AND:	SHARED ROOM	PRIVATE ROOM*
19 meals/week	\$4,200	\$5,360
15 meals/week	\$4,050	\$5,210
10 meals/week	\$3,750	\$4,910
15 meals/week + \$150 Point Break credit	\$4,200	\$5,360
12 meals/week + \$100 Point Break credit	\$4,050	\$5,210
8 meals/week + \$100 Point Break credit	\$3,850	\$4,910

\* when available

Students desiring to live in residential housing must pay a \$200 deposit in order to reserve a room. This deposit may be refunded (after a 30-day waiting period) if they notify the university at least 60 days before the start of the semester that they are withdrawing or moving off-campus. There is also a \$12 charge per semester residence hall fund. A limited number of apartments for married students is also available on campus. Students may contact the Office of Student Development for additional information.

All unmarried students living in residential housing who are under 23 years of age are required to board at the Nicholson Commons Dining Room under one of the meal plans listed above. Students who do not formally choose a meal plan are charged for the 15 meals/week plan. Students are permitted to change meal plans during the first two weeks of the semester only. Commuter students may purchase a meal card at the cashier's window in Draper Hall. The Nicholson Dining Room is closed during the interim period between the fall and spring semesters and during Spring Break.

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## Approximate Annual Costs (New and Readmitted Students)

	PER SEMESTER	TWO SEMESTERS/ 1 YEAR
Tuition (12-17 units)	\$12,650	\$25,300
Room and Board †	4,050	8,100
General Fee	270	540
Total Approximate Costs	\$16,970	\$33,940

† Shared room, 15 meals/week

Note: These figures do not include costs for books, supplies, health insurance, special fees, or personal expenses.

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## Payment Information

Tuition, room, board, and fees are due and payable by the deadlines shown below. For the convenience of students and parents wishing to pay expenses in installments, a monthly payment plan is offered. (See option 2 below.)

A Statement of Account, which contains the class schedule as well as the semester charges and financial aid, is sent to all students prior to the payment deadline each semester. The Statement of Account also serves as the invoice from which payment should be made. In addition, an electronic billing statement showing all activity on the student's account will be available on-line on the student and parent portals throughout the academic year. Payment options and deadlines are:

### OPTION 1: FULL PAYMENT OF THE NET BALANCE (TOTAL CHARGES MINUS FINANCIAL AID) BY THE FOLLOWING DATES:

Fall 2009 semester	August 3, 2009
Spring 2010 semester	January 4, 2010

### OPTION 2: THE NET BALANCE IN MONTHLY PAYMENTS.

For one or both semesters using the Monthly Pay Option administered by Tuition Management Systems (TMS). This interest-free alternative to lump-sum payments allows families to establish a semester and an annual budget amount to make payments in monthly installments. For more information, or to enroll, students should call TMS at (800) 722-4867, or visit their Web site at [www.afford.com](http://www.afford.com).

### OPTION 3: THE NET BALANCE WITH A PLUS LOAN.

The PLUS Loan is a low-interest federal loan for parents. Parents who wish to apply do not have to demonstrate financial need but must meet certain credit criteria. PLUS loans are repayable over a ten-year period and have an interest rate of 8.5 percent. To apply for a PLUS loan, parents should complete an on-line loan application at [www.pointloma.edu/financialaid/loans](http://www.pointloma.edu/financialaid/loans).

### OPTION 4: THE NET BALANCE WITH AN ALTERNATIVE LOAN.

An alternative loan is based on the student's credit, and the interest rates vary. Students may apply for an alternative loan at [www.pointloma.edu/financialaid/loans](http://www.pointloma.edu/financialaid/loans).

### OPTION 5: COMBINATION PLAN.

A combination of options 2 and 3 allows families to budget as much as possible from current income and savings, using the Monthly Pay Option, then borrow any remaining balance using the PLUS loan.

All charges must be paid each semester according to the established deadlines. Failure to make timely payment or to make other arrangements acceptable to the Student Financial Services Office may result in students being de-enrolled. Students are not permitted to register if they have a past-due balance.

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## Refund Policies

### FEES

Non-refundable (see above for exceptions)

### RESIDENCE HALL FEES

Refundable according to the tuition refund schedule except for the first two weeks of the semester during which there is a charge of \$20 per night. The housing deposit may be refunded (after a 30-day waiting period) to students who withdraw after the eighth week of the semester, provided all accounts have been paid in full.

### MEALS

Prorated as of the date the withdrawal is received in the Office of Records.

### TUITION

Refunds are computed during regular semesters at the following percentages upon filing a properly executed change of schedule or withdrawal with the Office of Records.

First Two Weeks of Semester	100%
Third Week	75%
Fourth Week	50%
Fifth through Eighth Week	25%

Students are not entitled to any tuition refund after the end of the business day on Friday of the eighth week of a regular semester. Specific refund dates are published in the *Alert* (the university's student newsletter). Students receiving federal financial aid who withdraw during the first ten weeks of the semester lose eligibility for all or part of their loans and grants, in accordance with federal regulations. For additional information, students should contact the Student Financial Services Office.



## Miscellaneous Financial Regulations

Students are responsible for handling all financial matters related to their attendance at the university. FERPA, the federal "Privacy Act," prohibits sending statements to parents or guardians of students 18 years of age or older without written permission of the student.

Students are charged for the full semester for all courses or private lessons for which they are registered, unless a "Change of Schedule" form is secured from the Office of Records, completed with proper signatures, and filed with the Office of Records. Any refunds or adjustments of student accounts arising from changes in class schedules are made as of the date on which the change of schedule form is filed at the Office of Records. Changes in arrangements for meals are made when requests or arrangements are completed at the Student Financial Services Office (this is true regardless of the date on which the student may have ceased attending classes or taking private lessons, or may have changed plans for meals).

At the time a student leaves the university, all accounts must be paid in full. The housing deposit and refunds, if any, will be applied to any charges due. Any unpaid balance will accrue interest at 10 percent per annum. In addition, Point Loma Nazarene University may report unpaid accounts to a national credit bureau. The student is responsible for paying all collection costs, including attorney fees and court costs as adjudged reasonable, in the event a suit must be instituted.

*Note: Transcripts and diplomas may not be released, nor will a student be permitted to participate in the annual commencement ceremony, until all accounts are paid.*

Operational costs are sometimes affected by factors over which the university has no control. Therefore, the charges and financial aid policies quoted in the *Catalog* are subject to change without notice.

### STUDENT INSURANCE

Insurance is an important part of health care. **All students must have insurance coverage for illness and injury.** The Wellness Center recommends that all parents and students review their private insurance, talk about how to access care in San Diego County, and plan ahead for possible future needs. All undergraduate students regardless of course load or study abroad status are billed for a student insurance policy each year. With proof of health insurance, students may waive charges on a yearly basis via the student portal at <https://my.pointloma.edu>.

To waive or select student insurance:

1. Students login to <http://my.pointloma.edu> using their campus network/e-mail user name and password;
2. Click on the **Students** link and scroll down in the Services Overview screen;
3. Under Student Services Update, click on the **Update Insurance Election** link;
4. Under Select Health Insurance Coverage, select PLNU School-Based Health Insurance or Private Health Insurance;
5. Click on **Submit Changes** to update the information.

There is a deadline for this process after which charges cannot be removed from the student's account. There is no provision for student insurance for students who enter during the summer. The student insurance plan is available for graduate students, spouses and children by application through the Business Office during the first three weeks of fall and spring semesters.



# ***FINANCIAL AID***

## **Financial Aid at Point Loma**

The financial assistance program at Point Loma Nazarene University includes federal grants and loans, state grants, PLNU institutional aid, and external aid, including scholarships and grants awarded by corporations, civic organizations, and churches. Financial assistance is intended to recognize and assist students who otherwise would be unable to attend the university.

The university recognizes that the primary responsibility for paying expenses rests with the student (and spouse, if married) and parents who are expected to contribute in proportion to their resources. Any financial assistance awarded by the university is intended to help bridge the gap between the student's expected family contribution and the cost of attending PLNU.

Financial assistance is usually awarded to students based on need. The student's financial need and eligibility for various programs and the family's ability to pay are determined best by analyzing the information submitted on the Free Application for Federal Student Aid (FAFSA). Various federal and state regulations, institutional policies, and funding-level limitations may affect the types and amounts of financial assistance that a student may receive from year to year. Additionally, changes in information and circumstances may cause financial assistance awards to be reduced, increased, or eliminated subsequent to the initial determination of these awards.

**If the student's package includes need-based aid, then outside scholarships and all forms of PLNU institutional aid are treated as need-based also, and in certain cases may have to be reduced or canceled to prevent funding in excess of financial need.**

## **Applying for Aid at PLNU**

To receive any type of federal, state, or institutional aid at PLNU, the student should complete the FAFSA (or renewal FAFSA) each academic year of enrollment prior to the March priority deadline. Some PLNU institutional aid programs require submission of the FAFSA and completion of the current on-line PLNU Application for Financial Assistance. Students who complete both by the March 2 filing date receive priority consideration for the full range of financial aid programs available at PLNU. Students who complete both after the priority filing date are considered for institutional need-based awards only if there are remaining funds available. Students may submit a FAFSA throughout the academic year.

## **Financial Need**

Financial Need is defined as the difference between the student's Cost of Attendance (COA) for the academic year and the "Expected Family Contribution" (EFC) as determined by completion of the FAFSA.

### ***Cost of Attendance minus Expected Family Contribution equals Financial Need***

Cost of Attendance is the sum of tuition, fees, room and board, books and supplies, transportation, and miscellaneous costs. Expected Family Contribution is a statistical figure calculated using the financial information provided on the FAFSA by the student and parent that represents the ability of the student's family to contribute to the cost of the student's education.

## **Appeals for Special Circumstances**

Federal regulations provide the SFS office with discretionary authority to make case-by-case adjustments to student/parent FAFSA data in cases of special circumstances. Special circumstances include:

- Significant reductions to income
- Unusually high medical or dental expenses (uninsured amounts only)
- A parent attending college
- Dependency status appeals

If a student believes there are special circumstances that should be reviewed, the student must submit a Request for Appeal Form for Special Circumstances (available at the SFS office or on-line at [www.pointloma.edu/financialaid](http://www.pointloma.edu/financialaid)) with supporting documentation.

## **Financial Aid Programs**

### **Need-Based Federal Aid Programs:**

#### **PELL GRANT**

The Pell Grant is awarded to undergraduate students with a qualifying EFC as determined by the FAFSA. Pell Grant is gift aid and does not have to be repaid. It can be used to help pay university charges (tuition and fees, on-campus room and board) or living expenses. The maximum award for the 2009-2010 Academic Year (AY) is \$5,350.

**FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT (FSEOG)**

FSEOG is a form of "campus-based" federal gift aid that is awarded to Pell Grant recipients only. Since FSEOG funding is extremely limited, not all students who qualify receive an award. The average FSEOG Grant for the 2009-2010 Academic Year (AY) is \$1,200.

**ACADEMIC COMPETITIVENESS GRANT (ACG)**

Freshman and sophomore PLNU students who are eligible for a Pell Grant and who have successfully completed a "rigorous high school course of study" (as recognized by the U.S. Secretary of Education) may receive a Federal Academic Competitiveness Grant of up to \$750 for their freshman year of college and up to \$1,300 for the sophomore year. Second year students must have a 3.000 cumulative university GPA and must be able to provide PLNU with a final high school transcript documenting completion of a recognized rigorous high school course of study.

**NATIONAL SMART GRANT**

Junior and senior PLNU students who are eligible for a Pell grant and are majoring in physical, life, or computer sciences, mathematics, technology or engineering, or in certain foreign languages may be eligible for a National SMART Grant for up to \$4,000 per academic year. Students must have a cumulative university GPA of at least 3.000 and be enrolled in at least one course required by their declared major each semester.

**Federal Work-Study**

The Federal Work Study (FWS) program is awarded to eligible students but it is only guaranteed if the student acquires on-campus employment. If awarded Federal Work Study, the student should contact the Student Employment Office to secure employment at 619-849-2633 or on-line at [www.pointloma.edu/work](http://www.pointloma.edu/work). FWS is disbursed in the form of bi-weekly paychecks from the cashier's office in Draper Hall. Because the student must earn these funds through working, FWS awards cannot be applied toward the student's semester charges.

**Need-Based Federal Loan Programs:****SUBSIDIZED STAFFORD LOAN**

The Subsidized Stafford loan requires that the student demonstrate financial need (based on the FAFSA). The federal government pays ("subsidizes") the interest on this loan from the time of disbursement until six months after the student graduates, withdraws, or drops below halftime status (i.e. less than six units). The subsidized Stafford loan interest rate is fixed at 5.6%, effective July 1, 2009. Repayment begins six months after the student graduates, withdraws, or drops below half-time status (i.e. less than six units). The student's Stafford loan eligibility (Subsidized, Unsubsidized, or combination) is based on financial need and academic class level. The annual undergraduate borrowing limits are as follows: \$3,500 for the first year; \$4,500 for the second year; and \$5,500 for the third and subsequent years. The Student Financial Services office recommends that students borrow conservatively to minimize indebtedness. New Stafford borrowers at PLNU are required to complete an entrance interview during the first two weeks of the semester. Loan amounts are generally released in two disbursements, regardless of enrollment period. Exceptions may be made for students enrolled in one semester. Students are free to select the lender of their choice.

**PERKINS LOAN**

The Federal Perkins Loan is a low-interest federal loan for undergraduate students who demonstrate exceptional financial need. The interest rate is fixed at 5% for the life of the loan, and begins accruing nine months after graduation, withdrawal, or dropping to below half-time status (i.e. less than six units). Repayment also begins at this time. Students have up to ten years to repay the loan. Payments are sent directly to PLNU, since Perkins is a "campus-based" program. Students awarded a Perkins loan must sign a promissory note and complete an on-line entrance interview before funds can be credited to their student account. Because of limited funding, there is no guarantee that a student will continue to receive Perkins loan funding in subsequent years.

**NURSING STUDENT LOAN**

The Nursing loan is a low-interest federal loan for juniors and seniors enrolled in the PLNU Nursing program who demonstrate exceptional financial need. The interest rate is fixed at 5% for the life of the loan and begins accruing nine months after graduation, withdrawal, or dropping to less than half-time status (i.e., less than six units). Repayment also begins at that time. Students have up to ten years to repay the loan. Payments are sent directly to PLNU. Students awarded a Nursing loan must complete entrance counseling at the SFS office and sign a promissory note before funds can be credited to their student account. Because of limited funding, there is no guarantee that a student will continue to receive Nursing loan funding in subsequent years.

**Need-Based State Aid Programs:****CAL GRANT**

Cal Grant is a program of the California Student Aid Commission (CSAC). Students may receive a Cal Grant for a maximum of four academic years (eight semesters) of undergraduate study. In addition, teacher credential students who received Cal Grant as undergraduates may be eligible for a two-semester

extension of their benefits.

CSAC notifies new Cal Grant recipients whether they have been awarded an Entitlement or Competitive Cal Grant. Before a Cal Grant award can be added to a student's Financial Aid Award Letter, the SFS Office must review the data provided by the student and parents on the FAFSA to make sure that the student is financially eligible.

#### **Cal Grant A**

Cal Grant A is for students from low to middle income families. It is restricted to paying tuition and mandatory fee charges only. Cal Grant A awards for the 2008/2009 Academic Year were \$9,708.

#### **Cal Grant B**

Cal Grant B is for students with exceptionally high need (based on the FAFSA). During the first year of the award, Cal Grant B pays an Access Grant of up to \$1,551. PLNU credits these funds directly to the student's account to help pay down semester charges. However, the student has the option of receiving Access Grant funds as a check each semester by submitting a written request to the Student Financial Services office before the end of the fall semester Add Period. After that date, the semester Access Grant is credited to the student's account and may not be available for refund. During the second and subsequent years, Cal Grant B includes a tuition and fee-paying component in addition to Access. Cal Grant B awards for the 2008/2009 Academic Year were \$9,708.

#### **Application Process for New Cal Grants**

Students must have submitted a 2009-2010 FAFSA ([www.fafsa.ed.gov](http://www.fafsa.ed.gov)) by March 2, 2009, **and** a verified grade-point average (GPA) to the California Student Aid Commission (CSAC) by the same date. High school seniors request their high school to provide this information to CSAC electronically. Current PLNU students who are California residents and who have completed 24 or more college units should request that the PLNU Office of Records submit their GPA to CSAC.

#### **RENEWAL CAL GRANTS**

Renewal Cal Grant recipients must maintain at least \$100 of need based on the information provided on the FAFSA for each subsequent academic year. Students may renew a Cal Grant award for up to four academic years (eight semesters). Submission of a verified GPA is not required to renew a Cal Grant. Students who received a Cal Grant at another institution must complete Form G-10 (Grant Record Change form for Schools) or contact CSAC at 1-888-224-7268.

#### **BYRD SCHOLARSHIP**

The Robert C. Byrd Honors Scholarship Program is a federally funded program, administered by all 50 states, that is awarded to exceptionally able high school seniors who show promise of continued excellence in post-secondary education. Checks are disbursed by Student Financial Services directly to the student. Like all other merit-based awards, the Byrd Scholarship is treated as need-based aid if the student's financial aid package includes any form of federal need-based aid or a Cal Grant.

#### **CHILD DEVELOPMENT GRANT**

The Child Development Grant program is a need-based grant designed to encourage students to enter the field of child care and development, in a licensed children's center. Students who plan to enroll at least half-time in coursework leading to a Child Development Permit as teacher, master teacher, site supervisor, or program director are eligible to apply through PLNU. To receive funding, students must sign a Service Commitment Agreement stating that they will provide one year of full-time service in a licensed children's center for each year they receive the grant.

#### **LAW ENFORCEMENT PERSONNEL DEPENDENTS' GRANT**

The Law Enforcement Personnel Dependents grant (LEPD) is a need-based educational grant awarded to dependents and spouses of California peace officers (Highway Patrol, marshals, sheriffs, and police officers), employees of the Department of Corrections and California Youth Authority, and both full-time and permanent firefighters who have been killed or totally disabled in the performance of duty. Applications are accepted throughout the academic year.

#### **CHAFEE GRANT**

The California Chafee Grant program gives money to current or former foster youth to use for career and technical training, or college courses. The grant does not have to be repaid and is intended to help the student pay living expenses. The Chafee Grant, also known as the Education and Training Voucher (ETV), is a federally funded program and is subject to the availability of federal funds each year.

#### **GOVERNOR'S SCHOLARSHIP**

Students should contact Golden State Scholarshare at [www.scholarshare.com](http://www.scholarshare.com) for eligibility criteria. Awards are included as a resource in the student's financial aid package, and can be used to help pay tuition and fees and on-campus room and board charges. The Governor's Scholarship is treated as need-based financial aid.

For details about any California state fund programs, students may visit the California Student Aid Commission (CSAC) Web site at <http://www.csac.ca.gov>.

## **Non-Need Based Federal Programs**

### **UNSUBSIDIZED STAFFORD LOAN**

The Unsubsidized Stafford loan does not require financial need. The borrower is responsible for paying all the interest that accrues, from disbursement until the loan is fully repaid. The interest rate for the Unsubsidized Stafford loan is 6.8%. The annual undergraduate borrowing limits are as follows: \$3,500 for the first year; \$4,500 for the second year; and \$5,500 for the third and subsequent years. An additional \$2,000 in Unsubsidized Stafford loans is also available to undergraduate dependent students and up to an additional \$6,000 for undergraduate independent students.

### **PARENT LOAN FOR UNDERGRADUATE STUDENTS (PLUS)**

The PLUS loan is a credit-based loan for parents of dependent undergraduate students. The PLUS loan annual borrowing limit is equal to the student's cost of education minus any other financial aid awarded. The annual minimum is \$150. The interest rate is fixed at 8.5%, effective July 1, 2009. Repayment begins 60 days after the loan is fully disbursed or borrowers may request a deferment of repayment until their student leaves the university. Normally, PLUS loan funds are released in two equal disbursements: one for fall semester and one for spring semester. If the parent wishes to have the entire loan disbursed in a single semester, the parent must specify this on the PLUS loan application.

## **PLNU Institutional Aid**

All forms of PLNU institutional aid are limited by semester charges, enrollment status, and financial need. Award amounts are divided equally between fall and spring semesters, and generally cannot be used for summer session coursework.

## **Financial Need**

All forms of PLNU institutional aid, including merit-based awards, may be limited by the student's financial need. This means that in certain cases, institutional aid may need to be reduced or canceled if the student is receiving either federal or state need-based aid.

### **ENROLLMENT STATUS**

All forms of institutional aid require full-time enrollment (12 units or more per semester) through the end of the Refund Period—the first eight weeks of the semester. Institutional aid is canceled for any student dropping below 12 units before that time. Students may be eligible to receive a prorated amount of institutional aid on an appeal basis only for a maximum of one semester. An official appeal must be submitted to and approved by SFS. Graduating seniors may also receive a prorated amount of institutional aid if enrolled less than full-time during their final academic year.

## **Institutional Merit Awards**

### **ACADEMIC SCHOLARSHIPS**

For first-time freshmen who begin attending PLNU during 2009-2010, academic awards are made for an initial two-year period and, subject to maintaining renewal criteria, can be received for a maximum of 10 semesters. Continuous full-time enrollment is required (12 units or more per semester). Renewal eligibility is based on the student's cumulative GPA calculated at the end of the fall semester of the second year of the award and each subsequent year. Any student not meeting the renewal criteria at that time will not be eligible for the scholarship beyond the following spring semester. **Once lost, an academic scholarship cannot be regained.**

To be eligible for selection, first-time freshmen must:

- be offered admission to PLNU
- submit an official seven-semester high school transcript to PLNU by the deadline date
- have a 3.700 weighted GPA
- have a 1200 SAT (combined math and critical reading) or a score of 26 on the ACT

### **National Merit Scholarship (\$4,000)**

National Merit finalists are eligible for any of the academic scholarships listed below in addition to their National Merit award. Candidates should Scholarship is renewable with a cumulative GPA of 3.400 (not rounded), calculated at the end of the fall semester of the second year. The student's cumulative GPA will be reevaluated at the end of each subsequent fall semester for renewal during the next academic year. This award is given for a maximum of ten (10) semesters.

### **Honors Scholarship**

A total of two university scholarships may be awarded to first-time freshmen. This award covers most tuition

expenses for the year. All application materials must be received by the deadline date to be considered for this award. This scholarship is initially awarded for two years and is then renewable annually with a 3.500 cumulative GPA at PLNU.

#### ***President's Scholarship***

A total of 30 President's Scholarships will be awarded to first-time freshmen for the 2009-2010 academic year. The President's Scholarship is renewable with a cumulative GPA of 3.500 (not rounded), calculated at the end of the fall semester of the second year. The student's cumulative GPA will be reevaluated at the end of each subsequent fall semester for renewal during the next academic year. This award is given for a maximum of ten (10) semesters.

#### ***Trustee's Scholarship***

A total of 40 Trustee's Scholarships will be awarded to first-time freshmen for the 2009-2010 academic year. The Trustee's Scholarship is renewable with a cumulative GPA of 3.500 (not rounded), calculated at the end of the fall semester of the second year. The student's cumulative GPA will be reevaluated at the end of each subsequent fall semester for renewal during the next academic year. This award is given for a maximum of ten (10) semesters.

#### ***Provost's Scholarship (\$4,000)***

The Provost's Scholarship is awarded to first-time freshmen with a weighted high school GPA of 3.700 and a 1200 SAT (combined math and critical reading) or a score of 26 on the ACT.

The Provost's Scholarship is also awarded to new transfer students; eligibility criteria vary depending on the number of college units completed, as shown below:

#### ***Provost's Scholarship Criteria for Incoming Transfer Students:***

<b>No. of Completed Award Criteria Units</b>	<b>Award Criteria</b>
0-11	<ul style="list-style-type: none"><li>• A cumulative high school GPA of at least 3.700</li><li>• A 1200 SAT (combined math and critical reading) or 26 ACT</li></ul>
12-23	<ul style="list-style-type: none"><li>• Same as for students with 0 – 11 units</li><li>• In addition, the student must have a college transfer GPA of 3.400 (unevaluated)</li></ul>
24 or more	<ul style="list-style-type: none"><li>• A college transfer GPA of 3.400 (unevaluated)</li></ul>

For transfer students, the Provost's Scholarship is renewable with a cumulative GPA of 3.400 (not rounded), calculated at the end of the fall semester of the second year of the award. The student's cumulative GPA will be reevaluated at the end of each subsequent fall semester.

#### ***Second Chance Provost's Scholarship***

Students who did not qualify for any academic award at the time they were admitted to PLNU may be considered for this award after completing at least three full-time semesters at PLNU, and attaining a cumulative GPA of 3.700 or higher. If selected, this scholarship will be awarded for the following academic year. Applications for this award are available from the Student Financial Services office. Due to limited funding, all students who are eligible may not be awarded.

#### ***Science Honors Scholarships***

Science Honors Scholarships are awarded by the departments of mathematics and in the sciences. For students entering the university during the 2009-2010 academic year, these scholarships are awarded for two years. They are then renewable annually with a cumulative GPA of 3.500 (not rounded), calculated at the end of the fall semester of the second year. The student's cumulative GPA will be reevaluated at the end of each subsequent fall semester. This award is given for a maximum of ten (10) semesters. **Once lost, a Science Honors Scholarship cannot be regained.**

### **Performance Awards**

#### ***Athletic Scholarships***

The student should contact the Intercollegiate Athletic Department at 619-849-2265 or go to [www.pointloma.edu/athletics](http://www.pointloma.edu/athletics). For students who live on-campus, athletic scholarships can only be used to help pay tuition, mandatory and other fees and on-campus room and board.

#### ***Forensics Scholarships***

The student should contact the forensics coach in the Department of Communication and Theatre at 619-849-2391 ([www.pointloma.edu/communication](http://www.pointloma.edu/communication)).

### **Music Scholarships**

The student should contact the department assistant in the Department of Music at 619-849-2445 ([www.pointloma.edu/music](http://www.pointloma.edu/music)).

### **Theatre Scholarships**

The student should contact the department chair in the Department of Communication and Theatre at 619-849-2248 ([www.pointloma.edu/communication](http://www.pointloma.edu/communication)).

## **Tuition Discounts**

### **HAWAII TRAVEL DISCOUNT**

The Hawaii Travel Discount (\$1,200) is for students whose primary and permanent residence is in the state of Hawaii and is intended to offset travel expenses to PLNU. The award is activated when Student Financial Services receives a copy of the student's current and valid Hawaii driver's license or state ID card.

### **MULTIPLE CHILD DISCOUNT**

The Multiple Child Discount is for siblings from the same household who are concurrently enrolled as undergraduates at PLNU. To be eligible for this discount, both the student and the student's siblings must each qualify as a "dependent" student and be enrolled full-time (12 units or more) through the end of the Refund Period each semester. A student is "dependent" if each of the following statements is true:

- The student was born after January 1, 1986
- The student will be working on a baccalaureate degree or teaching credential during the 2009-2010 year
- The student is not married
- The student does not have children
- The student is not a veteran of the U.S. Armed forces

A Multiple Child Discount is awarded as follows:

No. of siblings	Total family discount divided among siblings
2	\$2,000
3	\$4,000
4	\$6,000

Award amounts can be divided among siblings in any way the family chooses provided the amount fits within each sibling's budget, financial need, and semester charges.

### **MINISTRY DISCOUNT**

The Pastor's or Missionary Child Discount for the 2009-2010 academic year provides a percentage discount on tuition charges for the **dependent** children of Nazarene and non-Nazarene pastors.

For the **dependent child** of a Nazarene pastor or missionary to qualify, each of the following statements must be true:

- The pastor must be a full-time **\*career** senior pastor or in a full-time career pastoral leadership position during the 2009-2010 academic year
- The student was born after January 1, 1986
- The student is not married
- The student does not have children
- The student is not a veteran of the U.S. Armed Forces
- The student will be working on a B.A. or B.S. degree or continuing Teaching Credential during the 2009-2010 academic year. (This award is given for a maximum of 10 semesters.)

**\*\*Career** is defined as someone whose full-time vocation is a pastoral leadership position. This may include bi-vocational pastors whose full-time salary may not be covered by the church, but whose primary occupation is a pastoral leadership position.

Due to limited resources, eligibility is not extended to administrative staff, support staff, or independent children of pastors or missionaries. Students wanting to apply for either the Pastor's or Missionary Child Discount should contact the Office of Church Relations at 619-849-2735, or visit them on-line at [www.pointloma.edu/PastoralLeadership/ChurchRelations.htm](http://www.pointloma.edu/PastoralLeadership/ChurchRelations.htm).

## **Tuition Remission**

PLNU employees and their dependents may be eligible for tuition remission and should contact the Office of

Human Resources at 619-849-2200 or go on-line at [www.pointloma.edu/HumanResources.htm](http://www.pointloma.edu/HumanResources.htm) for more information.

In addition, a limited number of students whose parents are employed at Council of Christian Colleges and Universities (CCCU) institutions may be eligible for tuition remission benefits. These students must apply through the PLNU Admissions Office to determine their eligibility for this benefit.

If a student earns a PLNU academic scholarship, the amount of tuition remission must be reduced by the amount of the academic award. If the student has remaining unmet need as determined by the FAFSA, they may be awarded up to a maximum of \$4,000 of their earned academic scholarship to apply for the cost of attendance, including on-campus room and board.

**NOTE: Although tuition remission is a benefit, it is a resource and may limit the student's eligibility for federal, state, and institutional aid.**

## **Institutional Grants**

### **CHURCH SCHOLARSHIP, NAZARENE GRANT-IN-AID AND DISTRICT GRANTS**

The Nazarene Matching Grant program is for Nazarene students from the Southwest Educational Region of the Church of the Nazarene (#9), which is comprised of the following districts (with amount available):

#### **District Grant Award Amounts for 2009-2010**

<b>District</b>	<b>Amount</b>
Anaheim	\$2,600
Arizona	\$2,600
Central California	\$2,600
Hawaii	\$2,600
Los Angeles	\$2,600
New Mexico	\$2,700
Northern California	\$2,600
Sacramento	\$2,600
Southern California	\$2,600
SW Latin America	\$2,600
Western Latin American	\$2,600

The program consists of three awards: the Church Scholarship, the Nazarene Grant-in-Aid, and a District Grant. In order to receive these three awards, the student's home Nazarene church must send PLNU a Church Scholarship check (up to \$250 per year). PLNU matches this with the Nazarene Grant-in-Aid (up to \$250 per year) and also applies the appropriate District Grant (amounts vary). A student whose home Nazarene church does not participate in the matching grant program may still be able to receive District Grant funds if the church's pastor sends a written request to Student Financial Service on church letterhead.

For students living on-campus, these three awards can be used to help pay tuition and mandatory fees or on-campus room and board charges. For students living off-campus, the awards are restricted to tuition and fees. Neither the Church Scholarship nor the Nazarene Grant-in-Aid can be refunded to the student. However, for off-campus students whose total financial aid exceeds semester charges, the student may use District Grant funds to purchase meal tickets, provided that a FAFSA has been filed and the student demonstrates remaining financial need.

Students may receive the Church Scholarship, Nazarene Grant-in-Aid, and District Grant during the fall and spring semesters only, for up to ten regular semesters. Full-time enrollment (12 units or more per semester) is required through the end of the refund period.

It is the student's responsibility to contact the church and request that it send the Church Scholarship check to PLNU. If the church does not send the money, the Church Scholarship, Nazarene Grant-in-Aid, and District Grant will be removed from the student's financial aid package.

The student should contact the church as early as possible during the academic year to find out if there are any special eligibility requirements (i.e., a minimum period of church attendance, church involvement, etc.) or if it requires submission of an application form.

## **Need-Based Institutional Aid**

### **NAZARENE NEED GRANT**

The Nazarene Need Grant (NNG) is awarded to students who are Nazarene from the Southwest Educational Region with exceptional financial need (based on the FAFSA). To be considered, the student must file a FAFSA and complete the on-line PLNU Application for Financial Assistance. Students must be packaged with a Subsidized Stafford Loan before being packaged with NNG. Due to limited funding, not all students eligible for NNG will be awarded.

#### **PLNU NEED GRANTS**

PLNU Need Grants (PLNG and NEED) are awarded to students with financial need (based on the FAFSA) and who meet all eligibility requirements. To be considered, the student must file a FAFSA and complete the on-line PLNU Application for Financial Assistance. Students must be packaged with a Subsidized Stafford loan before being packaged with PLNU. Due to limited funding, not all students eligible for PLNU will be awarded NEED grants

### **Leadership or Elected Office Institutional Aid**

#### **POINT LOMA DIVERSITY LEADERSHIP GRANT**

Students should contact the Director of Diversity and International Student Services, at 619-849-2524, or the Associate Director of Admissions for Outreach, at 619-849-2518 for eligibility criteria.

Diversity awards are limited by financial need if the student's financial aid package includes any form of federal or state need-based aid.

#### **ASB AND RESIDENT ASSISTANTSHIPS (RA)**

Both Associated Student Body (ASB) leadership and RA awards are treated as need-based if the student's financial aid package includes any form of federal or state need-based aid. This means that an ASB or RA award may have to be reduced or in rare cases, canceled to prevent the student from being funded in excess of financial need.

An alternative to having an ASB or RA award reduced or canceled is for the student to receive the excess award through student payroll. Under this option, the student will receive the amount of the excess as monthly checks. The drawback is that ASB or RA funds disbursed in this way must be reported to the IRS, and the student must pay taxes on these earnings. Neither ASB nor RA awards are disbursed directly to the student.

RA awards are based off the 19 meal per-week plan. Please note that if the student changes to a lesser meal plan, the difference cannot be refunded.

The contact person for ASB awards is the Director of Community Life. The contact person for resident assistantships is the Associate Dean of Residential Life.

#### **DEPARTMENTAL/SCHOOL AND ENDOWMENT AWARDS**

Each year, various academic departments and schools award a limited number of scholarships to selected students. Students should contact their academic department or school for applications and deadlines. Students in their freshman year are not eligible for these awards.

Friends of Point Loma Nazarene University have established a number of special scholarships and loan funds to assist PLNU students. These scholarships are awarded only to continuing students (i.e., current PLNU students who will be sophomores, juniors, or seniors for the 2009-2010 academic year). Each academic department, school, or other unit at the university responsible for awarding these scholarships has its own application process and deadline.

Endowed awards for the 2009-2010 academic year may be viewed at [www.pointloma.edu/FinancialAid/Undergrad/PLNU/EndowedAwards.htm](http://www.pointloma.edu/FinancialAid/Undergrad/PLNU/EndowedAwards.htm). Students who are interested in applying for these scholarships should contact the category under which the scholarship is listed.

### **Financial Aid from Outside Agencies**

Various organizations, such as businesses, community groups, churches, administer scholarships based on merit, athletics, community service, organizational affiliation, academic performance, or educational objective. Some of these awards require financial need. It is the student's responsibility to research outside scholarship opportunities. Once awarded, it is the student's responsibility for contacting the outside agency sponsoring the scholarship award and requesting that it send the scholarship check to PLNU. Outside scholarship awards are always divided evenly over both the fall and spring semesters, unless the scholarship donor specifically states otherwise. Even if the scholarship donor sends the funds directly to the student, the award must still be treated as a resource, which means that other aid in the student's package may need to be reduced or canceled to prevent the student from being funded in excess of campus charges, financial need, or cost of attendance.

### **ROTC and Vocational Rehabilitation**

Both Reserve Officers Training Corps (ROTC) and Vocational Rehabilitation (Voc Rehab) help students to pay tuition and fee charges. Award amounts must be verified by the organization providing the financial assistance. Both ROTC and Vocational Rehabilitation are treated as need-based aid. This means that both of these awards can limit a student's eligibility for merit and other need-based financial aid programs.

### **VA Benefits**

Veterans Administration (VA) benefits are awarded to veterans of the Armed Services and dependents who qualify. These funds treated as a resource that count against the student's eligibility for other need-based financial aid programs, including scholarships, grants, and loans (Subsidized Stafford loan is not affected by Chapter 30 VA Benefits). VA Benefits are certified by the university and paid directly to the student.

The student is responsible for accurately reporting on the FAFSA the expected monthly amount of VA Benefits and the number of months the benefit will be received. Inaccurately reported VA Benefits could result in adjustments to the student's overall financial aid package.

### **Other Resources**

If a student receives any form of non-PLNU financial assistance, such as outside scholarships or veterans benefits, the SFS office may have to reduce previously awarded financial aid so that funding does not exceed financial need. Whenever possible, the SFS office will reduce Federal Work-Study and loan amounts before adjusting grant or scholarship assistance.

### **Limits of Financial Aid Awards**

For students living on-campus, semester charges include tuition, mandatory fees (not including travel fees), and on-campus room and board charges. For students living off-campus, semester charges include tuition and mandatory fees only. Regardless of the student's housing status, institutional aid (including endowed awards) can never exceed semester charges.

**Students Living On-Campus:** the only types of aid that can exceed semester charges are: Pell Grant, Federal SEOG, ACG, SMART, Federal Work-Study, and loans. External scholarships (excluding the Nazarene Church Scholarship) can also exceed semester charges, provided the student files a FAFSA and demonstrates unmet financial need at the time the outside scholarship is added to the student's financial aid package.

**Students Living Off-Campus:** the only types of aid that can exceed semester charges are: Pell Grant, Federal SEOG, ACG, SMART, Federal Work-Study, loans, and outside scholarships (excluding the Nazarene Church Scholarship).

**Students Studying Abroad:** Students in a study abroad program may not be eligible for any form of institutional aid unless the study abroad program is required by the student's academic major. However, both the Nazarene Church Scholarship and certain endowed scholarships can be used for a study abroad program. Recipients of endowed awards should check with the Student Financial Services Office for specific criteria. Majors at PLNU that require study abroad include Political Science, Romance Languages, International Studies, Environmental Science, International Business, and Media Communications with a Film Production emphasis. Tuition remission (including CCCU) cannot be used for a study abroad program.

### **Satisfactory Academic Progress (SAP)**

Federal regulations require that PLNU students adhere to a policy of Satisfactory Academic Progress (SAP) to retain eligibility for federal financial aid (this policy also applies to Cal Grant A and B recipients). The SAP Policy does not apply to any form of Institutional Aid, including Church Scholarship, Matching and District Grants. Recipients of Academic Awards must maintain the renewal eligibility criteria as stated in the PLNU undergraduate *Catalog*.

The policy consists of a qualitative (GPA) and quantitative (unit) standard. Student Financial Services (SFS) conducts SAP review at the end of each academic year.

#### **QUALITATIVE STANDARD (GPA REQUIREMENT)**

Students must maintain a minimum cumulative GPA (grade-point average) at the end of each academic year, as follows:

Freshmen (first semester only):	1.800
All other undergraduate students:	2.000
Teaching Credential students:	2.750

#### **QUANTITATIVE STANDARD (TWO PARTS)**

## 1. Minimum Unit Completion

Students must complete at least two-thirds (66.7%) of the units attempted each academic year (rounded down to the nearest whole unit).

Example: if a student were to attempt 30 units during the academic year, the SAP policy would require that student to complete at least 20 units ( $30 \times 66.7\% = 20$ ). If a student were to complete fewer than 20 units they would have failed SAP because of a unit deficiency. This deficiency would equal 20 units minus the number of units that were completed. For example, completion of only 15 of 30 attempted units would result in a deficiency of 5 units (20 minus 15). To regain SAP, a student would have to complete 66.7% of the units attempted the following academic year in addition to the five deficient units.

## 2. Maximum Unit Completion

Under federal regulations, undergraduate (including teacher credential) and graduate students are eligible to receive federal financial aid for up to 150% of the published length of their academic program.

Since the PLNU Undergraduate program is designed to be completed in four years and 128 units, students will not be eligible for federal financial aid beyond the sixth year of undergraduate study or after attempting 192 units (including transferred coursework).

### **Financial Aid Probation and Disqualification**

Students who have completed fewer than 57 semester units by the end of their second year, and who do not meet the qualitative or quantitative requirements, are placed on financial aid probation for the entirety of the following academic year. If students are placed on financial aid probation, they are still eligible to receive financial aid, but are made aware that they are not meeting the requirements for SAP. Students failing to meet SAP requirements following the probationary year are disqualified from receiving financial aid for the next academic year. Students in this category may file an appeal.

Students with more than 57 semester units who do not meet the qualitative and/or quantitative requirements are automatically disqualified from receiving financial aid for subsequent terms. There is no probationary period. The SFS office notifies such students in writing of their status and indicates whether or not they are eligible to submit an appeal.

### **Extenuating Circumstances and Appeal Process**

If a student is eligible to file an appeal, this must be done within 21 days of being notified of loss of financial aid eligibility. The appeal must include an explanation of the extenuating circumstances that resulted in the student's inability to make SAP, and include supporting documentation, if appropriate. The student's appeal must include a plan from the Academic Advising Office that shows intent to make up the unit deficiency or raise the GPA. The SAP Committee will review all appeals and respond in writing. The Committee's decision is final. A student may appeal only once throughout enrollment at PLNU.

### **Reinstatement**

A student's eligibility for financial aid may be reinstated if they make up their unit deficiency or raise their GPA. The student, however, cannot receive federal or state financial aid retroactively for periods in which they failed to maintain SAP.

### **SAP Definitions**

**Academic Year** – an academic year is considered 30 continuous weeks of instruction.

**Attempted Units** – the cumulative number of units on a student's academic transcript at the end of the semester. Attempted units include course repetitions and courses for which the student received a letter grade of F, I, IP, NC, W, or WF. Attempted units do not include remedial courses (099).

**Completed Units** – the cumulative number of units on a student's academic transcript for which they earned a grade of A, B, C, or D. An incomplete course "I" counts as a grade of "F" in determining SAP. In order to clear SAP and receive financial aid, the incomplete course must be completed by the end of the next regular semester (refer to "Academic Policies" in the PLNU undergraduate *Catalog*). Once completed, the student will be able to receive financial aid retroactively for that semester. Completed units do not include remedial courses (099).

**Study Abroad Units** – units completed in a Study Abroad program count toward the number attempted and completed units, but not toward the student's PLNU cumulative GPA. PLNU must receive transcripts from the host institution upon completion of the semester.

**Transferable Units** – evaluated units that PLNU accepts for transfer from another institution based on content approval.

### **Refund Policies**

If a student withdraws from PLNU, federal, state and PLNU institutional aid awards may be refunded to their sources according to federal policy. The PLNU undergraduate *Catalog* contains information on the university's institutional withdrawal policy. Under federal regulations, if the student withdraws at any point prior to completing 60% of the semester, the student will lose eligibility for all or part of your federal aid.

Resident halls fees are refundable according to the tuition refund schedule (below) except for the first two weeks of the semester, during which there is a per-night charge. The housing deposit may be refunded to students who withdraw after the eighth week of the semester (after a 30-day waiting period), providing that the student has paid all accounts in full. Meals are prorated from the date of official withdrawal with the Office of Records.

Tuition refunds are computed during regular semesters at the following percentages. These percentages are based on forms being received by the end of the business day on Friday.

First two weeks of the semester	100%
Third Week	75%
Fourth Week	50%
Fifth through eighth weeks	25%

Students are not entitled to any tuition refund after the eighth week of a regular semester. A schedule of refund dates is available at the beginning of each semester in the Records and Business offices, in the *Alert* (the university student newsletter), and on-line at [www.pointloma.edu/records/academiccalendar](http://www.pointloma.edu/records/academiccalendar).

### **Billing Calendar**

Payment of tuition and fees and on-campus room and board charges is due by the following deadlines:

- Fall 2009 Semester: August 3, 2009
- Spring 2010 Semester: January 4, 2010

Prior to the payment deadline each semester, the enrolled student will be sent a Statement of Account (a comprehensive printout showing class schedule, semester charges, and expected financial aid). The Statement of Account also serves as the invoice from which payment should be made. Once classes have begun, an electronic billing statement showing all activity on the student's account will be available on-line through the student and parent portals. Students will be assessed a 5% late fee if there is an unpaid "net balance" on their account after the semester payment deadline (see above).

# ***ACADEMIC PROGRAM***

## **ORGANIZATION OF THE UNIVERSITY**

Office of Academic Affairs  
College of Arts and Sciences  
College of Social Sciences and Professional Studies

## **A POINT LOMA EDUCATION**

The Curricula  
General Education  
Graduation  
Academic Policies

# ***UNIVERSITY ORGANIZATION***

## **Academic Governance**

Point Loma Nazarene University is committed to broad-based participation in decision making as evidenced in the organization of the faculty and administration. Both groups serve, often with student members, on a wide range of councils and committees that deal with administrative and faculty areas of concern. Recommendations are brought to faculty meetings and/or to the administration through the Administrative Cabinet. A complete listing of the committee structure is included in the *Faculty Handbook*.

In matters of undergraduate curriculum, the various academic units (arts and sciences or social science and professional studies) propose changes through the Academic Policies Committee (APC), and then on to a general meeting of the faculty acting as a committee of the whole. Matters that have an impact on general education are referred to the faculty's General Education Committee before final approval by the APC. The Provost provides general direction to these efforts with the assistance of the Vice Provosts. The Academic Affairs Committee of the Board of Trustees acts upon matters of policy relative to the academic program.

Office of Academic Affairs  
College of Arts and Sciences  
College of Social Sciences and Professional Studies

# *OFFICE OF ACADEMIC AFFAIRS*

## **Provost**

Location Mieras Hall, Room 201  
Telephone (619) 849-2217  
Fax (619) 849-2579  
Provost John W. Hawthorne, Ph.D.  
E-mail johnhawthorne@pointloma.edu  
Administrative Assistant Mary Lynn Hewett

## **Academic Administration**

Location Mieras Hall, Room 203  
Telephone (619) 849-2658  
Fax (619) 849-2579  
Vice Provost Keith R. Bell, Ph.D.  
E-mail keithbell@pointloma.edu  
Administrative Assistant Judy Brundrett

## **Graduate Studies**

Location Mission Valley Regional Center  
Telephone (619) 563-2820  
Fax (619) 563-2899  
Vice Provost Margaret T. Bailey, Ph.D.  
E-mail maggiebailey@pointloma.edu  
Administrative Assistant Robin Evans

# COLLEGE OF ARTS AND SCIENCES

## Administration

Location	Bond Academic Center, Deans' Suite
Telephone	(619) 849-2221
Fax	(619) 849-7018
Dean, College of Arts and Sciences	Kerry D. Fulcher, Ph.D.
E-mail	kerryfulcher@pointloma.edu
Administrative Assistant	Stephanie Lehman

## General Information

The College of Arts and Sciences is at the very heart of liberal arts education at Point Loma Nazarene University. Programs in the arts and sciences are offered through seven academic departments and the School of Theology and Christian Ministry. Course offerings in the arts and sciences are designed to help students explore a wide range of ideas. The college's highly qualified faculty members are professionally active and committed to engaging students in the learning experience. By emphasizing the university's mission *To Teach, To Shape, To Send*, the faculty challenge students to become life-long learners, to value the process of personal and intellectual development, and to give their lives in meaningful service to others.

## Curricula

Students should refer to the following pages in this *Catalog* for a complete listing of program characteristics, degree requirements, and descriptions of courses offered by academic areas within the College of Arts and Sciences.

### MASTER'S DEGREES

Master of Arts in Religion (M.A.)  
Master of Ministry (M.Min.)  
Master's degrees in General Biology (M.A., M.S.)

### BACHELOR'S DEGREES (B.A. UNLESS OTHERWISE NOTED)

Art Subject Matter (Art Education)  
Biblical Studies  
Biology (B.A., B.S.)  
Biology-Chemistry (B.S.)  
Broadcast Journalism  
Chemistry (B.S.)  
Christian Ministry  
Communication  
Composition (Music) (B.Mus.)  
Computer Information Systems (B.A., B.S.)  
Computer Science (B.A., B.S.)  
Engineering Physics (B.S.)  
Environmental Science (B.S.)  
Graphic Design  
History  
Instrumental Performance (B.Mus.)  
International Studies  
Journalism  
Literature  
Managerial and Organizational Communication  
Mathematics (B.A., B.S.)  
Media Communication  
Music  
Music and Ministry  
Music Education  
Philosophy  
Philosophy and Theology  
Political Science  
Physics (B.A., B.S.)  
Piano Performance (B.Mus.)  
Romance Languages  
Social Science  
Spanish  
Visual Arts  
Vocal Performance (B.Mus.)

Writing

#### **MINORS**

American Literature  
Art  
British Literature  
Cell and Molecular Biology  
Children's Ministry  
Communication  
Computer Science  
Environmental Biology  
French  
History  
Information Systems  
Mathematics  
Media Communication  
Music  
Organismal Biology  
Philosophy  
Physics  
Public Relations  
Spanish  
Theatre  
World Literatures  
Writing  
Youth Ministry

#### **Credential and Internship Programs**

California Commission of Teacher Credentialing in single-subject arts and science content areas, Christian Ministries Internship, Institute for Holy Land Studies (a division of Jerusalem University College).

#### **Centers**

Point Loma Nazarene University maintains several centers within the organization of the College of Arts and Sciences, including:

- The Center for Pastoral Leadership
- The Center for Justice and Reconciliation
- The Margaret Stevenson Center for Women's Studies

#### **Accreditations and Affiliations**

Point Loma Nazarene University is accredited by the Western Association of Schools and Colleges (WASC) and the National Association of Schools of Music (NASM). **WASC may be contacted at 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, or by telephone at 510-748-9001.**

#### **Academic Organization**

The College of Arts and Sciences, under the direction of the dean of the college, functions with the supervision of academic departments, schools, and centers. The following is a list of chairs, directors, and deans in the College.

##### DEPARTMENTS AND SCHOOLS

**Department of Art and Design** – James Skalman, chair  
**Department of Biology** – Darrel R. Falk and Dawne M. Page, co-chairs  
**Department of Chemistry** – Kenneth A. Martin, chair  
**Department of Communication and Theatre** – Paul R. Bassett, chair  
**Department of History and Political Science** – William A. Wood, chair  
**Department of Literature, Journalism, and Modern Languages** – Carol A. Blessing, chair  
**Department of Mathematical, Information, and Computer Sciences** – Maria R. Zack, chair  
**Department of Music** – Paul S. Kenyon, chair  
**Department of Physics and Engineering** – Kendall E. Mallory, chair  
**School of Theology and Christian Ministry** – Robert W. Smith, dean

##### CENTER

**Center for Pastoral Leadership** – Norman V. Shoemaker, director  
**The Center for Justice and Reconciliation** – James F. Gates, director  
**The Margaret Stevenson Center for Women's Studies** – Linda M. Beail, director

# ***COLLEGE OF SOCIAL SCIENCES AND PROFESSIONAL STUDIES***

## **Administration**

Location	Bond Academic Center, Deans' Suite
Telephone	(619) 849-2653
Fax	(619) 849-7018
Dean, College of Social Sciences and Professional Studies	Rebecca A. Havens, Ph.D.
E-mail	beckyhavens@pointloma.edu
Administrative Assistant	Cindy Wickwire

## **General Information**

The College of Social Sciences and Professional Studies centers on areas of study at Point Loma Nazarene University that focus on preparation in the social sciences and professions. Programs in the social sciences and professions are offered through six academic departments and three professional schools: the School of Business, the School of Education, and the School of Nursing. Course offerings in the social sciences and professional studies are designed to help students explore a wide range of people-related, theoretical, and practical knowledge and skills. The college's highly qualified faculty members are professionally active and committed to engaging students in the learning experience. By emphasizing the university's mission *To Teach, To Shape, To Send*, the faculty challenge students to become life-long learners, to value the process of personal and intellectual development, and to give their lives in meaningful service to others.

## **Curricula**

Students should refer to the following pages in this *Catalog* for a complete listing of program characteristics, degree requirements, and descriptions of courses offered by academic areas within the College of Social Sciences and Professional Studies.

### **ADVANCED DEGREES**

Master of Business Administration (M.B.A.)  
Master of Arts in Education (M.A.) - concentrations in Teaching and Learning, Counseling and Guidance, and Special Education  
Master of Arts in Teaching (M.A.T.)  
Master of Science in Nursing (M.S.N.)  
Educational Specialist (Ed.S.)

### **BACHELOR'S DEGREES (B.A. UNLESS OTHERWISE NOTED)**

Accounting  
Athletic Training  
Business Administration  
Child and Adolescent Development  
Consumer and Environmental Sciences  
Dietetics (B.S.)  
Exercise Science  
Fashion and Interiors  
Industrial-Organizational Psychology  
International Development Studies  
Liberal Studies (multiple-subject education)  
Nursing (B.S.N.)  
Nutrition and Food  
Physical Education  
Psychology  
Social Work  
Sociology  
Theatre

### **MINORS**

Accounting  
Athletic Coaching  
Business Administration  
Child Development  
Criminal Justice  
International Development Studies  
Nutrition

Nonprofit Organization Management  
Pre-Therapeutic Psychology  
Sociology  
Women's Studies

### **Credential and Internship Programs**

California Commission of Teacher Credentialing (CCTC-approved teaching credentials in Preliminary Level I: Multiple Subjects, Single Subject, Educational Specialist Mild/Moderate, Educational Specialist Moderate/Severe, Professional Clear Teaching Credential; Level II Clear Teaching Credential); Professional Administrative Services Credential; Pupil Personnel Services Credential; Internship programs; Los Angeles Film Studies Center and World Capitals Program (Coalition of Christian Colleges and Universities, CCCU).

### **Centers**

Point Loma Nazarene University maintains several centers within the organization of the College of Social Sciences and Professional Studies, including:

- The Center for International Development
- The Early Childhood Learning Center
- The Fermanian Business Center
- The Health Promotion Center (School of Nursing)

### **Accreditations and Affiliations**

Point Loma Nazarene University is accredited by the Western Association of Schools and Colleges (WASC), the Association of Collegiate Business Schools and Programs (ACBSP), the Commission on Accreditation of Allied Health Education Programs, the American Dietetic Association (ATEP), the California Commission on Teacher Credentialing (CCTC), and the Commission on Collegiate Nursing Education (CCNE). **WASC may be contacted at 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, or by telephone at 510-748-9001.**

### **Academic Organization**

The College of Social Sciences and Professional Studies, under the direction of the dean of the College, functions with the supervision of academic departments, schools, and centers. The following is a list of chairs, directors, and deans in the college.

#### DEPARTMENTS AND SCHOOLS

**Fermanian School of Business** – Bruce A. Schooling, dean

**School of Education** – Gary Railsback, dean

**Department of Family and Consumer Sciences** – Kay M. Wilder, chair

**Department of Kinesiology** – Jeffrey A. Sullivan, chair

**School of Nursing** – Barbara J. Taylor, dean

**Department of Psychology** – Holly Irwin-Chase, chair

**Department of Sociology and Social Work** – Kevin F. Modesto, chair; Patricia M. Leslie, Director of Social Work.

#### REGIONAL CENTERS

**Arcadia and Inland Empire**– Gary N. McGuire, associate dean of education

**Bakersfield** – Jill Hamilton-Bunch, associate dean of education

**Mission Valley** – Doretha O'Quinn, associate dean of education

#### CENTERS AND INSTITUTES

**The Center for International Development** – Robert C. Gailey, director

**The Early Childhood Learning Center** – Susan D. Rogers, academic director

**The Fermanian Business Center** – Randy M. Ataide, director

**The Health Promotion Center (School of Nursing)** – Mary Margaret Rowe, director

# THE CURRICULA

It is the goal of the university to provide an education in the liberal arts tradition and in professional areas, balancing a broadening experience in its general education program with the depth necessary to concentrate in one of the major programs.

The undergraduate curricula at Point Loma Nazarene University include a wide variety of programs. The university also encourages and assists students who wish to study abroad. Many programs feature internships and practicum experiences. Off-campus cooperative programs also offer students the benefits of spending a part of their educational experience in nearby locations or on the other side of the globe.

## General Education

The purpose of general education is to provide a common educational experience, to develop essential skills, and to provide a broad cultural background for personal and professional growth. The curriculum is listed under a four-fold division. This structure provides continuity with the Wesleyan approach to knowledge by emphasizing the human response as foundational to the developing, exploring, and seeking aspects of education. The divisions, although not mutually exclusive or all-encompassing, organize similar themes relevant to faith and learning. Each complements the others and, in each, conscious efforts are made to reveal connections, develop perspectives, and build synthetic thinking skills. These divisions are: *Responding to the Sacred, Developing Cognitive Skills, Exploring an Interdependent World, and Seeking Cultural Perspectives.*

## General Education Committee

The general education program is approved and sustained by the faculty under the direction of the provost and a faculty committee. The General Education Committee directs an on-going cycle of review and improvement based on established goals and objectives.

## General Education Prerequisites

Students are required to demonstrate basic competence in mathematics and writing based on standardized test scores. Any remedial courses, numbered below 100, taken to satisfy competency requirements, are in addition to the minimum of 128 units required for graduation.

## General Education Requirements

The specific requirements in general education, as established by the faculty, represent a broad-based experience in skills and ideas. The following selection of courses is designed to guide the student toward a liberalizing educational experience in the arts and sciences while allowing for substantial choice in the development of that education.

### I. Responding to the Sacred

*A study of Scripture and Christian heritage as foundational in the pursuit of knowledge and the development of personal values.*

Students transferring to the university for the first time with 48 or more units, none of which are in religion, take only five units in this category at Point Loma Nazarene University (three of which must be at the upper-division level).

#### A. BIBLICAL FOUNDATIONS [2 COURSES; 5 UNITS]

Course Title	Units
BIB 101 Old Testament History and Religion	2
BIB 102 New Testament History and Religion	3

#### B. THE CHRISTIAN TRADITION [3-6 UNITS]

Course Title	Units
THE 306 The Life of Holiness	3
OR	
CHU 395 The Christian Tradition	3

### II. Developing Cognitive Abilities

*A pursuit of personal awareness and skill development, focusing on the analytical, communication, and quantitative skills necessary for successful living in modern society.*

#### A. PERSONAL DEVELOPMENT [1 COURSE; 3-4 UNITS]

Course Title	Units
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PSY 101	Psychology of Personal Development	4
	Required of all first-time freshmen and transfer students with fewer than 24 units. All others take:	
PSY103	General Psychology	3
	Required of transfer students with 24 semester units or more .	

**B. CRITICAL THINKING AND COMMUNICATION [2 COURSES; 6-8 UNITS]**

*All students must fulfill the composition requirement prior to the junior year.*

Course	Title	Units
WRI 110	College Composition OR	5
WRI 115-116*	College Composition OR	3, 2
WRI 120	Honors in College Composition *****	3
COM 100	Principles of Human Communication OR	3
COM 231	Argumentation and Debate	3

*\*Note: A diagnostic exam given in the beginning of the semester will determine if the student needs to co-enroll in Writing 097, along with Writing 110, Writing 115, or Writing 116.*

**C. PROBLEM SOLVING [1 COURSE; 3-4 UNITS]**

Course	Title	Units
MTH303	Problem Solving OR	3
MTH144	Calculus with Applications OR	4
MTH164	Calculus I	4

**III. Exploring an Interdependent World**

*An introduction to the natural and social sciences as tools for exploring the world, with emphasis on collecting and interpreting empirical data for both theoretical and practical purposes.*

**A. THE NATURAL WORLD [2 COURSES; ONE FROM EACH GROUP, AND AT LEAST ONE WITH A LAB; 8-9 UNITS]**

***Biological Science [1 course from this group]***

Course	Title	Units
BIO 101	Human Biology and Bioethics	4
BIO 102	Environmental Biology	4
BIO 103	Introduction to Biology	4
BIO 104	Biotechnology and Society	4
BIO 105	Ecology and Conservation	4
BIO 130	Human Anatomy and Physiology	4
BIO 210	Cell Biology and Bio-Chemistry	4
BIO 215	Animal Biology	4

***Physical Science [1 course from this group]***

Course	Title	Units
CHE 101	Chemistry and Society	4
CHE 103	Introduction to General, Organic, and Biological Chemistry	5
CHE 152	General Chemistry I	4
PHY 141	General Physics I	4
PHY 241	University Physics I	4
PSC 103	Earth Science	4
PSC 105	The Cosmos	4
PSC 110	Physical Science	4

**B. PHYSICAL FITNESS AND NUTRITION [2 COURSES; 2-4 UNITS]**

One of the following courses is required:

Course	Title	Units
PED 100	Fitness through Movement	1
PED 300	Optimal Health	2
FCS 315	Personal, Family, and Community Health	3

\*\*\*\*\*

Any activity course numbered Physical Education 102-184 OR one of the following is required:

PED 211	Individual and Dual Sports I	2
PED 212	Team Sports Strategies	2
PED 213	Individual and Dual Sports II	2

#### C. THE SOCIAL WORLD [1 COURSE; 3-4 UNITS]

One of the following in:

Course	Title	Units
ECO 101	Principles of Economics I	3
ECO 102	Principles of Economics II	3
*****		
POL 101	Introduction to Political Science	3
POL 190	The Politics of Race, Class, and Gender	4
*****		
SOC 101	Introduction to Sociology	3
SOC 103	Social Problems	3
SOC 201	Cultural Anthropology	3

### IV. Seeking Cultural Perspectives

A survey of human endeavors from a historical, cultural, linguistic, and philosophical perspective, including developing critical appreciation of human expression—both artistic and literary.

#### A. THE HISTORY OF WORLD CIVILIZATIONS [2 COURSES; 6 UNITS]

Course	Title	Units
HIS 110	World Civilizations I	3
HIS 111	World Civilizations II	3

#### B. THE FINE ARTS [2 COURSES FROM DISTINCT AREAS; 4-5 UNITS]

Course	Title	Units
ART 100	Introduction to Art	2
ART 102	Fundamentals of Art	3
ART 200	History of Art I	3
ART 201	History of Art II	3
*****		
MUH 100	Introduction to Music	2
MUH 101	Introduction to Listening	2
*****		
TRE 101	Introduction to Theatre	2

#### C. PHILOSOPHY [1 COURSE; 3 UNITS]

Course	Title	Units
PHL 201	Introduction to Philosophy	3
PHL 211	Ethics	3

B.S.N. candidates choose between two Literature options or one Literature and one Philosophy.

#### D. LITERATURE [2 COURSES; 5-6 UNITS]

Two courses, at least one from the Masterpieces category.

##### Masterpieces:

Course	Title	Units
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LIT 201 Masterpieces of World Literature I	3
LIT 202 Masterpieces of World Literature II	3
LIT 203 Masterpieces of World Literature III	3

**Great Works:**

Course Title	Units
LIT 205 Great Works in a Literary Genre: The Novel	2
LIT 206 Great Works in a Literary Genre: Drama	2
LIT 207 Great Works in a Literary Genre: Poetry	2
LIT 208 Great Works in a Literary Genre: Short Story	2
LIT 325 Children's Literature	3
LIT 460 The Human Challenge	3

**E. FOREIGN LANGUAGE\* [2 COURSES; 8-9 UNITS]**

*One of the following sequences in the same language, all or part of which may be waived by examination or by petition when English is not the student's native language:*

Course Title	Units
SPA 101 Elementary Spanish I	4
SPA 102 Elementary Spanish II	4
*****	
GER 101 Elementary German I	4
GER 102 Elementary German II	4
*****	
FRE 101 Elementary French I	4
FRE 102 Elementary French II	4
*****	
BLA 205 Essentials of Hebrew I	4
BLA 206 Essentials of Hebrew II	4
*****	
BLA 207 Essentials of Greek I	3
BLA 208 Essentials of Greek II	3
BLA 337 Exegesis of Greek New Testament I	3

*NOTE: A foreign language is not required for B.S.N. candidates.*

**Major and Minors**

**The Major.** Point Loma Nazarene University offers four baccalaureate degrees: the Bachelor of Arts (B.A.), the Bachelor of Music (B.Mus.), the Bachelor of Science (B.S.), and the Bachelor of Science in Nursing (B.S.N.). Many of the 50+ major programs also offer indepth concentrations.

If a second major area of study is desired, all requirements for both majors must be met with a minimum of 24 units distinguishing the two areas of study. While working on a single baccalaureate degree, the maximum number of pursuits is two majors and two minors.

Students should review the Admissions section for lists of majors and concentrations currently offered by the university.

**The Minor.** Optional minors are offered in several schools and departments. The requirements governing minors are as follows:

- Only minors that appear in the student's catalog of record may be earned at the point of graduation;
- A minor is at least 16 units and is under the direct auspices of the respective school/department;
- Students must earn a 2.000 cumulative GPA in the minor for it to be granted;
- The minor must show a minimum of nine (9) units in residence;
- Of the 16+ units in the minor, nine (9) must be distinct from and not counted in the major;
- Of the 16+ units in the minor, 12 must be at the upper-division level;
- The pass/no credit option is not available for courses within the minor; and

- A second minor, when feasible, requires a minimum of nine (9) units distinct from and not counted either in the major or in the first minor.

## **Honors Scholars Program**

Near the end of the junior year, a student who has demonstrated exceptional scholarship and capacity for serious and creative study or research, and who has maintained a 3.500 cumulative GPA, may apply for entry into the Honors Scholars program. With the guidance of a major professor, and in community with other Honors Scholars, the student will complete an honors project during the senior year. Successful scholars will receive due recognition at commencement ceremonies and on the university transcript of record. Criteria, qualifications, and procedures are available in the Deans' Center, located on the lower floor, west side of the Bond Academic Center.

Students who are accepted into the Honors Scholars program register in the fall semester for Honors 498 (two units), as listed below. This represents the initial phase of work on the required project. In the spring of the senior year, students register for Honors 499 (one unit) in order to complete the project.

Before formal acceptance into the Honors Scholars program, students may register for Honors 399 (up to a total of 4 units). This course is not an eligibility requirement for the program, and completion of Honors 399 does not guarantee acceptance into the program.

### **HONORS 399 (1-2) FOUNDATIONS OF INDEPENDENT RESEARCH**

A course designed to assist students in doing the substantial background work needed to prepare for an honors project. This course is meant to support those students whose majors do not offer other means of preparing the foundation for such projects. This course is not a prerequisite for Honors 498 and may be repeated up to a total of 4 units. Graded Credit/No Credit.

*Prerequisite: Consent of the director of the Honors Scholars Program and the respective department chair/school dean.*

### **HONORS 498 (2) HONORS PROJECT I**

An intensive project to be completed by students who are designated as Point Loma Nazarene University Honors Scholars. The course includes the first stage of a seminal study within a scholar's major under the supervision of a faculty advisor. In the liberal arts tradition, scholars from different disciplines meet together every week to discuss progress on their projects. The interdisciplinary portion of the course includes a workshop on project preparation and presentation. The experience culminates with the scholar's formal presentation of progress to his/her Advisory Committee not later than December 15. Graded Credit/No Credit. Offered each fall.

*Prerequisite: Normally restricted to students in the senior year with a cumulative grade-point average of 3.500 or higher. Approval of the director of the Honors Scholars program and the department chair/school dean in which the scholar's major is housed.*

### **HONORS 499 (1) HONORS PROJECT II**

A continuation of Honors 498. In this course, students meet regularly with their advisor, complete their project, and prepare for two formal presentations: one to their Advisory Committee and a second at the Point Loma Nazarene University Honors Conference held in early May. Honors projects are bound and kept as an annual collection in the university's Ryan Library. Graded Credit/No Credit. Offered each spring.

*Prerequisite: Honors 498.*

## **Teaching Credentials**

Courses necessary to satisfy the requirements for the following teaching credentials are offered. The requirements presented in the School of Education section are in addition to the requirements for the baccalaureate major.

- Single-Subject Teaching Credential – 2042 (Secondary) (Teacher Education)
- Multiple-Subject Teaching Credential – 2042 (Elementary) (Teacher Education)

## **Pre-Professional and Cooperative Programs**

### **ENGINEERING**

**Kendall Mallory, Advisor**

Three options are open to students who wish to work toward a degree in some branch of engineering.

- Those interested in engineering with an electronics emphasis such as electrical, hardware or systems engineering may choose to earn a degree in Engineering Physics at Point Loma Nazarene University (see Department of Physics and Engineering).

- Those interested in pursuing further study towards a M.S. degree in engineering may also choose to earn a degree in Engineering Physics at Point Loma Nazarene University (see Department of Physics and Engineering).
- Those choosing a B.S. level professional degree in other branches of engineering may choose to take two or three years of basic course work at this university followed by a transfer to an engineering school of their choice.

Interested students may seek counsel from the Engineering advisor.

#### **PRE-LAW**

##### ***Dwayne L. Little and D. Michael McKinney, Co-Advisors***

The Pre-Law program is designed to provide those considering legal careers with all the information and support they need to assist them with the accomplishment of their goals. While most of the program centers on the concerns of those planning to attend law school, counsel is also available for those contemplating paralegal, government, and other law-related careers.

There is no "Pre-Law Major" as such, since the American Association of Law Schools and almost all ABA-approved law schools discourage such programs. Instead, the Point Loma program focuses on assisting students of any major with information on the best preparation for law school, including: the Law School Admissions Test (LSAT), application procedures and strategies, internships, the bar exam, and practice and placement issues.

The Pre-Law program brings speakers to the university in small-group settings and provides a wide variety of programs. Guests include law school admissions officers, practicing attorneys, judges, and others involved in legal careers. In addition, the advisors (one a practicing attorney) provide individualized counseling for all Pre-Law participants. The advisors also administer an internship program through which selected Point Loma students are placed for a semester with the Curator's Office of the Supreme Court of the United States. Students interested in any aspect of the Pre-Law program should contact the advisors early in their academic career.

#### **PRE-MEDICAL/PRE-DENTAL/PRE-VETERINARIAN**

##### ***Darrel Falk, Advisor***

Students may prepare themselves for admission to educational institutions specializing in the health professions by pursuing a four-year program of study as suggested by the Pre-Health Professions Advisor. These schools make no requirements regarding the choice of major for students preparing for the health professions but encourage a broad liberal arts background in the humanities, social and behavioral sciences, natural sciences, and mathematics. Most students interested in careers in the health professions at Point Loma choose to major in the natural sciences or mathematics. If students choose a major other than these, they must be prepared to do especially well in science courses. In addition to a bachelor's degree, the specific requirements for admission into health profession school include one year each of general chemistry, organic chemistry, biology, and physics, and one semester of calculus. Many also require a course in statistics and expect or require more than a minimum number of credits in biology.

A Pre-Medical Committee of the faculty follows the progress of each student and is available to advise the student and write recommendations when the student applies to educational institutions for the health professions, usually during the summer of the junior year. The Pre-Medical Program is designed to aid and encourage student candidates through a visiting speaker program, orientation meetings, suggestions in preparing for entrance exams, practice interviews, special experiences such as research opportunities, and critiques of application materials. Prospective students are advised that high grades and entrance exam scores are essential. Participation in the committee process is required for all pre-medical students.

#### **PRE-PHYSICAL THERAPY AND ALLIED HEALTH**

##### ***Leon M. Kugler and Rebecca J. Flietstra, Co-advisors***

Students of various academic majors intending to attend physical therapy school must prepare adequately for the rigors of graduate school and groom themselves for the application process. Interested students will receive advisement on accredited programs, prerequisites, and admission standards. The advisors assist in internship placement, preparation for the application process including letter of recommendation decisions and the admission interview paradigm. Graduate Record Examination (GRE) preparation strategies and course sequence advising are offered. Prospective students are advised that high grades and entrance exam scores are essential.

Interaction with professionals in the physical therapy and medical fields is encouraged through two or three clinical internship placements, the first of which occurs as early as the second semester of the sophomore year, the biannual distinguished lecture series, contact with the university sport team physician and original research leading to Honors Scholar status at graduation. These interactions are beneficial to personal and pre-professional development and enhance the prospect of graduate school admission.

**AFROTC, AROTC, AND NROTC PROGRAMS*****Scott N. Shoemaker, Advisor***

Two- to four-year programs in Air Force, Army, and Navy Reserve Officer Training Corps, are offered in cooperation with San Diego State University and the University of San Diego. Upon completion of the program and all requirements for a bachelor's degree, cadets are commissioned as second lieutenants in the Air Force, Army, and Marines, and as Ensigns in the Navy. In addition to the leadership courses listed on the admissions office Web site, students are typically required to take a four to six-week Field Training Camp or cruise during the summer. Further information on these programs may be obtained from the ROTC advisor at Point Loma Nazarene University or from the Aerospace Studies Department, 619-594-5545, and the Military Science Department, 619-594-4943, at San Diego State University or the Department of Naval Science, 619-260-2288, at the University of San Diego.

# GRADUATION

## GENERAL REQUIREMENTS

Undergraduate students all share certain general requirements for earning the baccalaureate degree (B.A., B.Mus., B.S.N., and B.S.). These include the following:

- Filing an application for admission to candidacy with the Office of Records.
  - Satisfactory completion of a total of a minimum of 128 semester units (numbered 100 and above) with a minimum cumulative grade-point average of 2.000.
  - Satisfactory completion of general education requirements.
  - Completion of an approved program of study in a major area with a minimum cumulative grade-point average of 2.000 unless otherwise stipulated.
  - Residency at the university during the final 24 units of study.
  - Completion of all academic and institutional requirements.
1. **Candidacy for a Degree.** An application for advancement to candidacy for a degree must be filed after the student has completed at least 92 semester units of work and has an approved program of study. Although students may view an unofficial advising guide on the Web, an official "Graduation Check" is conducted by the Office of Records which subsequently communicates with the degree applicant regarding appropriate details. A special application must be made, and a fee paid, for students who must attend a final summer session in order to complete all requirements for graduation (see below under Graduation Fees).
  2. **Semester Units.** A minimum cumulative grade-point average of 2.000 is required for graduation. None of the minimum 128 semester units required for the baccalaureate degree may include those taken at the remedial level (numbered below 100).
  3. **General Education.** Students must meet the stated requirements in general education, a broad-based liberalizing experience in the arts and sciences. Transfer students are responsible to make sure any course work done prior to admission to the university fulfills the categories that are unique to PLNU.
  4. **Completion of the Major.** All major programs of study are sanctioned by the Point Loma faculty and listed in detail in this *Catalog*. Of the units completed in a major, at least 24 must be taken at the upper-division level (numbered 300 and above). In addition, a minimum of one-half of the upper-division units in the major must be completed in residence. A 2.000 cumulative grade-point average is required for all academic majors. An academic minor, though available in various academic areas, is not a requirement for graduation.
  5. **Residency.** Candidates for the baccalaureate degree must be in residence during the final 24 units applied toward the degree. A minimum of one-half of the upper-division units in the major also must be taken in residence.

**Completion of All Requirements.** Commencement convocation is once a year at the close of the spring semester. All work taken toward a degree must be completed in full before a student can participate in commencement ceremonies. Likewise, the awarding of a diploma is dependent on clearance by a variety of university offices and services, such as Residential Life, Student Accounts, and Ryan Library. Degrees are posted in the semester of final registration and/or completion of final requirements. The university does not guarantee the awarding of a degree.

Students petitioning to be allowed to participate in the annual commencement convocation and complete their graduation requirements in the final summer session may not be deficient by more than 12 units. A completed application for summer graduation must be filed with the Office of Records including an action plan that is a binding contract of work to be completed. Approval by the Vice Provost for Academic Affairs and fee payment constitute final approval.

**Graduation Fees.** All students eligible for graduation are charged a fee. This fee is applied to the student's account and is non-refundable. The fee is charged regardless of whether the student participates in the commencement ceremonies or is not currently studying in residence. Students who find it necessary to file an Application for Summer Graduation pay a special fee. This fee is refundable only if all requirements are met satisfactorily by the conclusion of the summer (with all official documentation filed no later than October 1), according to the application agreement as approved by the Vice Provost for Academic Administration, and are eligible for posting on schedule by the Office of Records.

**Final Clearance.** In order to receive final approval for participation in commencement activities, students must resolve any outstanding charges of fees or misconduct. The university does not guarantee the awarding of a diploma or degree.

## BACHELOR OF SCIENCE IN NURSING DEGREE

The requirements for the Bachelor of Science in Nursing (B.S.N.) degree are the same as for the other baccalaureate degrees except that no foreign language is required and students may choose between a second literature course or a philosophy course. A larger concentration of work is required in the Nursing major.

#### **SECOND BACCALAUREATE DEGREE**

A second baccalaureate degree may be earned at Point Loma Nazarene University. After applying for re-admission, a minimum of 32 units must be completed. Twenty-four of these units must be taken at the 300 level or above. A minimum of 24 units must be earned in the new major, with no duplication of units from a previous major. Twenty-four units must be taken in residence at PLNU. All general education (if different from first degree), the additional major, and specific academic major requirements for the second degree must be met. Second degree candidates are eligible for honors at graduation and for the Dean's List but not for membership in Phi Delta Lambda. The second baccalaureate degree is distinguished from multiple majors within a first degree.

#### **GRADUATION HONORS**

**Honoris Causa.** The university occasionally grants honorary degrees to worthy recipients, as recommended by the President to the Board of Trustees.

**Graduation with Honors.** The university confers unofficial honors during the commencement ceremony calculated on the residential grade-point average (GPA earned at PLNU) and based on a minimum of 48 residential units earned by the conclusion of the fall semester. Official honors, however, require a minimum of 48 residential units after all course work has been completed for the degree. Honors are noted on the diploma as **Summa cum Laude** (highest honors), 3.900 and above; **Magna cum Laude** (high honors), 3.700 to 3.899; and **Cum Laude** (honors), 3.500 to 3.699. Final official honors are based on the student's residential grade-point average. However, in every case, students who receive honors must have a minimum cumulative grade-point average of 3.500, including all transfer work. Study Abroad grades are not included in this calculation (students may contact the Office of Records for clarification).

#### **THE HONORS SCHOLARS PROGRAM**

Special recognition is given to successful scholars during commencement ceremonies, on diplomas, and official transcripts of record. Criteria, qualifications, and procedures are available in the Deans' Center. Eligibility requirements include a minimum 3.500 GPA. See "Honors Scholars Program" in this *Catalog*.

# ACADEMIC POLICIES

The student is ultimately responsible for the fulfillment of all requirements for graduation in the *Catalog* in effect at initial enrollment. Those who opt for a subsequent *Catalog*, however, must notify the Office of Records and meet all requirements in that *Catalog*. Students who have not been registered for three or more regular semesters come under the *Catalog* in effect at the time of re-entry.

## Course Load

The normal academic course load is 15-17 units per semester, including any concurrent units on another campus. Students on academic probation are limited to 13 units per semester (a total of 9 in the summer). If a student in good academic standing finds it necessary to carry a load greater than the normal load, the maximum number allowed is determined by the student's grade-point average. Students may, in consultation with the Vice Provost for Academic Administration, assume a course overload according to the following table:

Minimum GPA	Maximum Load
2.500	18 units
2.750	19 units
3.000	20 units

One semester unit represents an hour of class per week. Three hours of laboratory are equivalent to one hour of class. Two hours of preparation are normal for each hour of class. Transfer work on the quarter system converts as three units equal to two semester units.

## Transcripts

A complete and official transcript is available at the Office of Records upon graduation or withdrawal. Requests for transcripts must be in writing. Transcripts may not be released to anyone other than the student except by written authorization. Unofficial transcripts are available at the Office of Records as well as on the Web. Expedited processing of transcripts is available for a fee.

## Academic Calendar

The academic year at PLNU is divided into fall and spring semesters of 16 weeks, followed by two summer sessions. A complete listing of important dates is found in the *Catalog* as well as on the Web. In addition, the university posts on its Web site several class schedules during the year that contain information about course offerings, tuition and fees, and other details pertinent to these terms of study.

## Class Schedules

All class schedules are posted on the Web. The schedule of classes, complete with final examination times, is available each spring for the following year's classes. Also, in the spring a Summer Sessions schedule of classes is posted. The university reserves the right to cancel any class with fewer than ten students and make necessary changes in its schedule and programs.

## Academic Honesty

The Point Loma Nazarene University community holds the highest standards of honesty and integrity in all aspects of university life. Academic honesty and integrity are strong values among faculty and students alike. Any violation of the university's commitment is a serious affront to the very nature of Point Loma's mission and purpose.

Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. Such acts include plagiarism, copying of class assignments, and copying or other fraudulent behavior on examinations.

A faculty member who believes a situation involving academic dishonesty has been detected may assign a failing grade for a) that particular assignment or examination, and/or b) the course. The faculty member will file with the appropriate dean and the department chair a written report of the incident and the action taken. The college dean, after an examination of the event, will submit a report to the Provost and the Vice President for Student Development. If either of these administrators believes other disciplinary action should be taken, consultation between the faculty member and the administrators will determine the resulting discipline.

The student or students involved in the academic dishonesty may appeal the action by talking first to the department chair, then, if necessary, to the college dean, and finally to a committee of the following: a college dean of the student's choice, the Vice Provost for Academic Administration, the Provost, and the Vice President for Student Development. The appeal decision reached by this committee is final. If a grade

of "F" is received in a course due to academic dishonesty, the student may not withdraw from the course nor can the course be dropped to remove the "F" grade.

### **Class Attendance**

Regular and punctual attendance at all classes in which a student is registered is considered essential to optimum academic achievement. Therefore, regular attendance and participation in each course are minimal requirements to be met. There are no allowed or excused absences except when absences are necessitated by certain university-sponsored activities and are approved in writing by the Provost.

Whenever the number of accumulated absences in a class, for any cause, exceeds ten percent of classes (this is equivalent to one and one-half weeks or longer in a 16-week semester course), the faculty member has the option of filing a written report to the Vice Provost for Academic Administration which may result in de-enrollment, pending any resolution of the excessive absences between the faculty member and the student. If more than 20 percent (three weeks or longer in a semester-long course) is reported as missed, the faculty member may initiate the student's de-enrollment from the course without advance notice to the student. If the date of de-enrollment is past the last date to withdraw from a class, the student will be assigned a grade of "F" or "NC." There are no refunds for courses where a de-enrollment was processed.

Absences are counted from the first official meeting of the class regardless of the date of the student's enrollment. A student who registers late must monitor carefully regular attendance during the remainder of the semester. Registered students who neither attend the first class session nor inform the faculty of their desire to remain on the class roll may, at the request of the instructor, be dropped from the roll.

Exceptions to the foregoing attendance regulations due to extenuating circumstances may be granted only by appeal to the Vice Provost for Academic Administration. Students are responsible to consult the syllabus of each course for specific applications of and elaborations on the above attendance policy.

NOTE: Ultimately, students are solely responsible for their registrations and any financial implications.

### **Examinations and Reports**

Examinations may be deferred due only to illness or because of other equally valid conditions over which the student has no control. Faculty report to administration as early as possible any student who, for any reason, is in danger of failing a course. Those students whose work is falling below a "C" average are referred to the Academic Support Center. Mid-semester grades are made available to students, and grades of "D" and "F" are reported to the Vice Provost for Academic Administration and the Director of Academic Advising for follow-up interventions.

### **Grading**

Letter grades (A, B, C, D, F) including plus and minus grades are used to indicate the level of scholarship earned for each course. Once the degree has been posted on the student's official transcript, no change of grade action is allowed.

#### **[CR] CREDIT**

The grade utilized for designated courses which are graded only on a Credit/No Credit basis. Courses graded Credit are counted toward a student's total number of units but have no grade-point value and no effect on the grade-point average. The "CR" grade is also assigned to units earned through Advanced Placement (AP). This grade cannot be used for on-line courses completed after matriculation at Point Loma.

#### **[NC] NO CREDIT**

The grade recorded when non-passing work (a failing grade) is done in a course by a non-transfer student during the first semester of the freshman year. A maximum of 12 units, excluding Advanced Placement (AP) credits that may technically change the student's classification to sophomore standing, may be assigned a grade of "NC" during the first semester of the freshman year at PLNU. Transfer students who have earned more than 12 units at another college or university, and LEAP students entering with conditional status, are not eligible for the provision of the "NC" grade. This grade is also recorded for all non-passing work in those courses graded on a Credit/No Credit basis and for those courses taken on a Credit/No-Credit basis. The "NC" grade has no grade-point value, has no effect on the grade-point average, and yields no earned credits. This grade cannot be used for on-line courses completed after matriculation at Point Loma.

#### **[F] FAILURE**

The grade given for unsatisfactory performance in a course where an "NC" is not applicable. If the course taken at this university is repeated here, the "F" remains on the permanent record, but only the higher grade earned for the course is computed in determining the grade-point average. See "Repeated Courses."

#### **[H] AUDIT**

Students may register for some courses at the university on an audit basis (indicated on the transcript by

the letter H). The following conditions apply:

- An audit is taken by students for personal enrichment or review.
- No academic unit credit can be earned for an audited course.
- There is no expectation of active participation on the part of student or faculty member.
- Students may not incur excessive absences, as defined in this catalog.
- Audits are available on a space-available basis only.
- An audit grading type cannot apply to a physical education activity course, studio art classes, performance classes, skill courses, beginning and intermediate foreign languages, laboratory sciences, fieldwork, internships, practicum experiences, study abroad, research, or private music lessons.
- Courses taken by audit may not revert to a credit course or vice versa after the first two weeks of the semester (or one week of a Quad course).

#### **[I] INCOMPLETE**

A grade of Incomplete is given for work which has been completed partially in a satisfactory manner, but which, for valid reasons such as illness or death in the family, is not finished. The grade of "I" is to be given only on the basis of extraordinary circumstances clearly beyond the student's control.

The grade of "I" is regarded as a deficiency grade and may be removed by the assignment of additional work to make up the deficiency; or, in cases where the "incomplete" is assigned because of inability to take a final examination, by a special examination. A grade of "I" must be made up, if at all, by the end of the next regular semester. Until made up, a grade of "I" is considered as "F" in determining the student's grade-point average, and eligibility for financial assistance and intercollegiate competition.

#### **[IP] IN PROGRESS**

A provisional grade used in certain courses which may extend longer than a semester (for a complete list of courses approved for the IP grade, students should contact the Office of Records). The grade of "IP" carries no grade points, and is replaced by the letter grade earned when the requirements for the course are properly completed. A grade of "IP" must be changed at the end of the next regular semester (summer is not a regular semester). If the course is not completed, the "IP" will be changed to an "F."

#### **[P] PASS**

The grade given when a passing grade is earned in an elective course selected by the student for grading on a Pass/No-Credit basis. See Pass/No-Credit Option.

#### **[W] WITHDRAWN**

This grade is recorded when a student doing passing work is given permission by the Vice Provost for Academic Administration to drop a course after the deadline to drop classes. **Withdrawal from a course past the deadline is only possible due to personal and family emergencies beyond the student's control.**

#### **[WF] WITHDRAWN UNDER FAILING CONDITIONS**

This grade is recorded when a student officially withdraws from a course after the last date to drop and when the work is below passing at the time. A grade of "WF" is considered the same as an "F" in calculating the grade-point average.

#### **GRADE POINTS**

Letter grades are converted to numerical equivalents for computation according to the following scale:

<b>A</b>	<b>A-</b>	<b>B+</b>	<b>B</b>	<b>B-</b>	<b>C+</b>	<b>C</b>	<b>C-</b>	<b>D+</b>	<b>D</b>	<b>D-</b>	<b>F</b>
4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7	0

The grade-point average is computed for each student. A satisfactory grade-point average is necessary for continuance and for graduation.

### **Non-Traditional Delivery Credits**

Point Loma Nazarene University recognizes the place of non-traditional delivery systems in education and has developed policies and procedures to guide students in this regard. On-line and/or hybrid courses utilizing technology-mediated instruction are also strictly controlled by the university's regional accrediting body. Consequently, the following guidelines both define the boundaries for distance learning modalities and protect the integrity of Point Loma's deeply held commitments to the learning environment.

#### **Policies:**

1. As academic units with a non-traditional delivery, on-line courses must be approved prior to enrollment in those courses and are limited to 12 semester units over the student's total degree program.
2. On-line credits submitted to PLNU for approval must be offered by a regionally accredited institution of higher learning (the Western Association of Schools and Colleges, the Northwest Commission on Colleges and Universities, North Central Association of Colleges and Schools, Southern Association of Colleges and Schools, Middle States Association of Colleges and Schools, New England Association of Schools and Colleges).
3. The course must apply to comparable degree programs at the home institution in which it resides.
4. The approval of on-line courses must always be on a case-by-case basis.
5. Students requesting consideration of an on-line course in transfer must submit an Academic Policy Petition, together with a hard-copy print-out of the course description and syllabus.
  - o If the course is to satisfy a major/minor requirement, then approval must be obtained from the department chair/school dean in which the course is required.
  - o If the course is to satisfy general education requirements, approval must be obtained from the department chair/school dean in which the content resides.
6. Following action from the appropriate department chair/school dean, the petition is submitted to the Vice Provost for Academic Administration for final evaluation.
7. All on-line courses must be graded by traditional methods (letter grades). Courses graded credit/no-credit will not be accepted.
8. Proctoring of examinations must be arranged and paid for by the student, as PLNU faculty/staff are not obligated to perform such tasks.
9. On-line course approved by PLNU must be completed within twelve months of enrollment.

**Procedures:**

1. Students interested in taking an on-line course should pick up an Academic Policy Petition at the Office of Records.
2. Students should check with the appropriate department chair/school dean for program specific guidelines for an online course.
3. Students should take the completed petition along with a course description and syllabus to the appropriate department chair/school dean as stated in the policy.
4. If approval is given, the completed petition should be taken to the Vice Provost for Academic Administration for final evaluation.
5. If final approval is given the student may enroll in the course.
6. The transcribed course grade must be submitted to the PLNU Office of Records within twelve months of enrollment in the course.

**Pass/No-Credit Option**

An undergraduate student may elect to take a course on a Pass/No-Credit basis under the following circumstances:

- Completion of at least 24 semester units;
- Not more than one such course per semester;
- A maximum of 12 units toward graduation to be elected for such courses;
- The course selected must be an elective—not applied toward a requirement, or a required professional course (for credential); and
- The student must indicate the “Credit/No-Credit” election by the last day to add classes, with the approval of the student’s academic advisor, and may not change the basis of registration for this course thereafter.

This option is not available for courses taken by on-line delivery, after matriculation at Point Loma.

**Course Grade Appeal**

It is the responsibility of the faculty to evaluate student performance and assign grades. The university has established a course grade appeal policy, however, that may be used when a student believes the syllabus was not followed in the grade calculation or if it is thought that grading was done in a capricious and arbitrary manner. The appeal policy does not include student dissatisfaction with a grade based on the faculty member’s professional judgment. A Course Grade Appeal Form is available from the Vice Provost for Academic Administration and must be filed within one year from the end of the course in which the grade was given.

**Transfer from Non-Accredited Institutions**

Normally, units presented in transfer from an institution that is not accredited by one of the major regional

agencies are not accepted, including Bible colleges and proprietary schools. Students may petition a limited number of such courses, not to exceed 24 semester units, by the established petition process to the appropriate academic department and schools, through the Vice Provost for Academic Administration. Petitions are accepted for consideration only after satisfactory completion (2.000 or higher) of at least 12 units at PLNU.

### **Repeated Courses**

Courses passed with a "C" or above may not be repeated (except for certain courses so designated). However, students desiring to raise an unsatisfactory grade (any grade lower than "C") in a course taken at this University may repeat the course. If this is done, each grade will appear on the transcript but the lower grade (only one) will not be used for grade-point calculations.

If a PLNU course graded with a "C-" or lower is repeated successfully at another institution (higher than a grade of "F"), the PLNU units are added to the unit total that is required for graduation. A notation on the transcript of record states that the repeated units are not applied to graduation totals.

Students receiving veterans benefits may not be eligible for benefits when repeating courses. Further information regarding authorization of benefits for repeated courses may be obtained in the Student Accounts Office.

### **Classification of Students**

Regular undergraduate students are those who pursue, or are entitled to pursue, one of the regular programs leading to graduation with the bachelor's degree.

Part-time undergraduates are those who, for adequate reasons, are permitted to register for fewer than 12 units per semester.

Special students are those who take elective courses not leading to a degree. The classification for undergraduate students is as follows:

FRESHMAN	0-24 units
SOPHOMORE	25-56 units
JUNIOR	57-88 units
SENIOR	89 units

### **Academic Standing**

#### **NORMAL PROGRESS**

At the conclusion of the fall and spring semesters, the academic progress of all undergraduate students is reviewed by the Vice Provost for Academic Administration. Those who maintain the minimum required grade-point average are in satisfactory scholastic standing and as such are making progress toward a degree. To remain free of academic probation, students must earn a minimum cumulative 2.000 grade-point average. During their first semester of academic work, first-time freshmen must earn at least a 1.800 GPA, regardless of the number of units taken.

#### **UNSATISFACTORY PROGRESS**

Point Loma takes seriously a student's inability to make satisfactory progress toward the goal of a degree. The university works with students placed on academic probation to create links between them, faculty advisors, the Office of Student Development, and other support programs. Policies concerning students on academic probation are administered by the Vice Provost for Academic Administration.

**Note:** *Students who receive federal, state, or veterans aid must meet certain qualitative and quantitative standards of academic progress. As a result, it may be possible for a student to be on academic probation at the university but be ineligible for federal, state and veterans aid. Additional information on PLNU's financial aid satisfactory progress policy is available in the PLNU Student Financial Services Office.*

#### **ACADEMIC WARNING**

Students whose semester or session GPA is below acceptable standards receive a letter of Academic Warning.

#### **ACADEMIC PROBATION ALERT**

Students whose cumulative GPA meets the minimum standard for academic good standing, but whose session GPA for two consecutive regular semesters falls below 2.000, are placed on alert status. While not technically on academic probation, these students are under the strict supervision of the Office of the Vice Provost for Academic Administration and are limited to a total of 13 units during the probationary period.

### **ACADEMIC PROBATION**

Students whose cumulative GPA falls below minimum standards are placed on Academic Probation. Students on probation are required to carry a restricted course load of 13 units (a total of 9 in the summer). Probationary students who fail to earn a 2.000 session GPA the following semester are disqualified from continuing at the university. Students who are on academic probation, or those who are not cleared by the Office of the Dean of Students, are not eligible to participate in study abroad programs.

### **CONTINUANCE ON ACADEMIC PROBATION**

Students who are on probation and earn at least a 2.000 during the current session, but whose cumulative GPA is below 2.000, may be continued on academic probation. These students are under the strict supervision of the Office of the Vice Provost for Academic Administration.

### **ACADEMIC DISQUALIFICATION**

Students who are disqualified to continue at the university may not apply for re-admission until after at least one regular semester. In order to be considered for re-admission, they must file an official transcript showing a GPA of 2.000 or higher.

### **VETERANS AND PROGRESS TOWARD A DEGREE**

Any students receiving veterans benefits who fail to maintain normal progress because of attendance, poor grades, or by reduction of course load are responsible for notifying the Student Financial Services Office so that it may notify the Veterans Administration. If withdrawal from the University occurs, veterans' benefits will be terminated as of the date of termination of enrollment. Grades of "NC" and "F" are reported to the Veterans Administration, and the student may be liable for repayment of benefits received.

### **ATHLETIC ELIGIBILITY**

Academic performance must be adequate in order for athletes to participate in intercollegiate athletics. A faculty athletic representative certifies the eligibility of each player, and coaches ensure that only eligible students participate. Athletic eligibility conforms to NAIA policies.

### **WITHDRAWAL FROM THE UNIVERSITY**

Any student who has no unpaid accounts or charges of misconduct is entitled to an honorable withdrawal. In such cases a grade of "W" is given in those courses where the work was of passing grade at the time of withdrawal. For unsatisfactory work a grade of "WF" is given. A student withdrawing without permission is given a grade of "F" with the notation of withdrawal without permission. If there are no unpaid accounts, a transcript of record with a statement of academic status may be sent to another institution upon request.

## **Registration Limitations**

### **CONCURRENT ENROLLMENT**

A registered student may not transfer credit for a course taken concurrently at another institution if a similar course is offered at the university at any time during the academic year except by prior approval of the Vice Provost for Academic Administration. Forms for such transfer of credit are available in the Office of Records. Course approvals are highly recommended for work taken during the summer while the student is not in attendance at this university. In computing a student's maximum load, all courses being taken are considered.

### **TRANSFER LIMITATIONS**

A combined maximum of 70 units may be transferred to PLNU from the following sources: community colleges, AP, CLEP, and IB. All such courses are, by definition, lower-division level.

### **CURRICULAR EXCEPTIONS**

Any petitions for academic exceptions to stated *Catalog* requirements and policies must be presented to the Vice Provost for Academic Administration. A petition which is denied may be appealed to the Academic Policies Committee, whose ruling is final.

## **Transferring Units while Enrolled at the University**

After matriculation at PLNU, students who wish to augment their experience with coursework from another accredited institution must obtain written approval from the Office of Records prior to registering. In this process, coursework designed to meet PLNU requirements in the academic major requires additional approval of the respective department chair or school dean.

## **Academic Honors**

### **DEAN'S LIST**

Each semester the Office of the President recognizes honor students who have achieved a grade-point average of 3.500 or higher in at least 12 units of work during the previous semester. The Dean's List is posted on the university Web site.

# ***COURSE OFFERINGS AND DESCRIPTIONS***

The faculty annually reviews course offerings and descriptions. A thorough examination by academic departments and schools takes place on a five-year cycle of program review that includes an assessment of student learning outcomes. The following pages contain a complete listing of requirements in the university's various academic programs.

## **Index of Offerings**

The following pages offer a complete summary of teaching/learning content areas with department/school general information, degree requirements (including majors and minors offered), and course descriptions. They are in the order listed below.

### **ART AND DESIGN**

#### Majors

- Art Education
- Graphic Design
- Visual Arts

#### Minor

- Art

#### Courses

### **BIOLOGY**

#### Majors

- Biology B.A.
- Biology B.S.
- Biology-Chemistry B.S.
- Environmental Science B.S.

#### Minors

- Cell and Molecular Biology
- Environmental Biology
- Organismal Biology

#### Courses

### **FERMANIAN SCHOOL OF BUSINESS**

#### Majors

- Accounting
- Business Administration
- International Development Studies
- Industrial-Organizational Psychology

#### Minors

- Accounting
- Business Administration
- International Development Studies
- Nonprofit Organization Management
- Public Relations (Interdepartmental)

#### Courses

- Accounting
- Business
- Economics

### **CHEMISTRY**

#### Majors

- Biology-Chemistry B.S.
- Chemistry B.S.
- Environmental Science B.S.

#### Courses

### **COMMUNICATION AND THEATRE**

#### Majors

- Broadcast Journalism
- Communication
- Managerial and Organizational Communication
- Media Communication
- Theatre

#### Minors

- Communication
- Media Communication
- Public Relations

Theatre  
Courses

**SCHOOL OF EDUCATION**

Major  
Liberal Studies  
Courses

**FAMILY AND CONSUMER SCIENCES**

Majors  
Child and Adolescent Development  
Dietetics B.S.  
Family and Consumer Sciences  
Fashion and Interiors  
Nutrition and Food  
Minors  
Child Development  
Nutrition  
Courses

**HISTORY AND POLITICAL SCIENCE**

Majors  
History  
International Studies  
Political Science  
Social Science  
Minor  
History  
Courses

**KINESIOLOGY**

Majors  
Athletic Training  
Exercise Science  
Physical Education  
Minors  
Athletic Coaching  
Courses  
Athletic Training  
Kinesiology and Physical Education  
Physical Education

**LITERATURE, JOURNALISM, AND MODERN LANGUAGES**

Majors  
Broadcast Journalism  
Journalism  
Literature  
Romance Languages  
Spanish  
Writing  
Minors  
American Literature  
British Literature  
French  
Public Relations (Interdepartmental)  
Spanish  
World Literatures  
Writing  
Courses  
Journalism and Writing  
Linguistics  
Literature  
Modern Languages

**MATHEMATICAL, INFORMATION, AND COMPUTER SCIENCES**

Majors  
Computer Science (B.S.)  
Computer Science (B.A.)

Information Systems (B.S.)  
Mathematics (B.S.)  
Mathematics (B.A.)  
Minors  
Computer Science  
Information Systems  
Mathematics  
Courses

**MUSIC**

Majors  
Composition B.Mus.  
Music  
Music and Ministry  
Music Education  
Instrumental Performance B.Mus.  
Piano Performance B.Mus.  
Vocal Performance B.Mus.  
Minor  
Music  
Courses

**SCHOOL OF NURSING**

Major  
Nursing  
Courses

**PHYSICS AND ENGINEERING**

Majors  
Engineering Physics B.S.  
Physics B.A.  
Physics B.S.  
Minor  
Physics  
Courses  
Engineering  
Physics

**PSYCHOLOGY**

Major  
Psychology  
Minor  
Pre-Therapeutic Psychology  
Courses

**SOCIOLOGY AND SOCIAL WORK**

Majors  
Sociology  
Social Work  
Minors  
Sociology  
Criminal Justice  
Courses  
Sociology  
Social Work

**SCHOOL OF THEOLOGY AND CHRISTIAN MINISTRY**

Majors  
Biblical Studies  
Christian Ministry  
Philosophy  
Philosophy and Theology  
Minors  
Children's Ministry  
Philosophy  
Youth Ministry  
Courses  
Bible  
Biblical Languages

Church History  
Christian Ministry  
Philosophy  
Theology

#### **WOMEN'S STUDIES**

Minor  
Women's Studies  
Courses

### **Course Numbering**

Each course is assigned a number. The letters represent the department or discipline; the three digits designate the course and indicate its level as follows:

<i>Course Number</i>	<i>Classification</i>	<i>Level</i>
097-099	Remedial	Pre-university
100-199	Freshman	Lower-division
200-299	Sophomore	Lower-division
300-399	Junior	Upper-division
400-499	Senior	Upper-division
500-599	Credential	Post-baccalaureate

### **Special Designations**

Courses marked GE meet requirements in general education. Those marked WS are offered in the Women's Studies minor.

### **Remedial Courses**

Remedial courses are those pertaining to skills that the university may reasonably expect a general student to possess upon entry to the university, or courses pertaining to those skills that are required for university-level work. These courses do not apply to total units required for graduation.

### **Alternate-year Offerings**

Many of the courses listed in this *Catalog*, particularly those at the upper-division level, are offered on alternate years. The university reserves the right to withdraw courses and to make changes in its class schedule and academic program as necessary. Students should contact individual departments and schools to be certain when courses are offered.

### **Prerequisite/Co-requisite**

Some courses listed in this *Catalog* stipulate either a prerequisite or a corequisite. A prerequisite is a condition or requirement that must be fulfilled prior to enrolling in a course, such as a specific student classification, consent of the instructor, or another course. A co-requisite refers to a condition or a requirement that must be met prior to or concurrent with enrollment in a course.

### **Quad Courses**

A limited number of concentrated offerings are available, offered in Quad pairs. Quad classes are offered in two consecutive sessions of eight weeks in length, two times during each of the sixteen-week fall and spring semesters.

# ART AND DESIGN

## Purposes

Through the making of art and the study of art history, criticism and aesthetics, the department seeks to:

- Develop proficiencies in the studio and design arts.
- Advance visual literacy through the study of art history, art criticism and aesthetics.
- Promote the cultural, intellectual, spiritual, and aesthetic life of students and the university.
- Prepare students for art-related careers or graduate study.

## Tradition of Excellence

The Department of Art and Design considers the visual arts to be an essential means of communicating societal values, images, and identities. The program builds on the university's liberal arts foundation of general education. Students explore relationships between the art disciplines, and build connections with other academic fields. Studies in traditional, non-traditional, western, and non-western art forms encourage students to develop a broad understanding of the visual arts.

The Department of Art and Design offers three majors – Visual Arts, Art Education, and Graphic Design. In all majors a core of foundation courses lead to advanced studies in the discipline. Independent studies and study abroad programs are available, as well as internships in local museums and art and design-related businesses. The Keller Gallery program includes both professional and student exhibitions. A visiting artist program provides bridges into the professional community of practicing artists. Students also benefit from the university's proximity to the arts community and prominent art museums, galleries and collections in San Diego, Los Angeles, and Baja California, Mexico.

## Career Opportunities

Alumni from the Department of Art and Design have earned advanced degrees from some of the top graduate programs in the country while others have achieved professional careers in art-related fields: fine arts, graphic design, web design, publishing, museum and gallery work, arts management, and art education.

## Majors

Art Education (Art Subject Matter Program)

Graphic Design

*Concentrations*

Advertising

Art and Design

Editorial

Illustration

Visual Arts

*Concentrations*

Drawing/Painting/Printmaking

Sculpture

Photography

## Minor

Art Minor

## Courses

## Faculty

David A. Adey, M.F.A.

*San Diego State University*

Lael G. Corbin, B.A.

*Point Loma Nazarene University*

Eugene E. Harris, M.A.

*San Diego State University*

Karen J. Sangren, Ph.D.

*University of Oregon*

James S. Skalman, M.F.A., Chair

*University of North Carolina, Chapel Hill*

Bryeanne M. Summers, M.F.A.  
*Indiana University, Bloomington, Indiana*

# ART EDUCATION MAJOR

## LOWER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
ART 103 Two-Dimensional Design	3
ART 104 Three-Dimensional Design	3
ART 115 Drawing I	3
ART 200 History of Art I*	3
ART 201 History of Art II*	3
ART 203 Graphic Design I <i>OR</i>	3
ART 206 Drawing II	(3)
ART 210 Painting I	3
ART 215 Introduction to Computer Graphics	3
FCS 150 Human Development	3
One college transfer course in ceramics	3
<b>TOTAL</b>	<b>30</b>

## UPPER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
EDU 304 Legal, Ethical, and Wesleyan Perspectives on Education	3
ART 319 Visual Arts in the Classroom I <i>OR</i>	3 (3)
ART 455 Visual Arts in the Classroom II (Art 455 recommended)	
ART 325 Topics in Non-Western Art	3
<b>Choose one art history course (3 units):</b>	
ART 304 Modern Art History	3
ART 305 Topics in Contemporary Art History	3
ART 335 Design History: Industrial Revolution to Contemporary Design	3
<b>TOTAL</b>	<b>12</b>

## CONCENTRATIONS

### GROUP A – VISUAL ARTS CONCENTRATION

Total 13 units

**Choose one two-course sequence (6 units):**

COURSE TITLE	UNITS
ART 221 Photography I	3
ART 321 Photography II	3
<i>OR</i>	
ART 222 Sculpture I	3
ART 322 Sculpture II	3
<i>OR</i>	
ART 223 Printmaking I	3
ART 323 Printmaking II	3
<i>OR</i>	
ART 330 Illustration I <i>or</i> Drawing 345	3
ART 310 Painting II	3
<b>TOTAL</b>	<b>6</b>

**Capstone courses (7 units):**

ART 390	Advanced Studio Practice	3
ART 466	Exhibition Preparation	3
ART 467	Senior Exhibition	1
	<b>TOTAL</b>	<b>7</b>

**GROUP B – GRAPHIC DESIGN  
CONCENTRATION**

Total: 12 units

***Two-course sequence (6 units):***

<b>COURSE TITLE</b>	<b>UNITS</b>
ART 303 Graphic Design II	3
ART 333 Graphic Design III	3

***Capstone courses (6 units):***

ART 472 Graphic Design Seminar	2
ART 468 Graphic Design Portfolio Preparation	3
ART 469 Graphic Design Portfolio Review	1
<b>TOTAL</b>	<b>12</b>

\*Meets the general education requirement in the Fine Arts.

# GRAPHIC DESIGN MAJOR

## Advertising Concentration

### LOWER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
ART 103 Two-Dimensional Design	3
ART 104 Three-Dimensional Design	3
ART 115 Drawing I	3
ART 200 History of Art I*	3
ART 201 History of Art II*	3
ART 203 Graphic Design I: Visual Symbolism	3
ART 215 Introduction to Computer Graphics	3
ECO 102 Principles of Economics II*	3
ACC 201 Principles of Accounting OR	4
BUS 212 Principles of Management	(4)
<b>TOTAL</b>	<b>28</b>

### UPPER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
ART 304 Modern Art History OR	3
ART 305 Contemporary Art History	(3)
ART 303 Graphic Design II: Typography	3
ART 333 Graphic Design III : Production and Practice	3
ART 335 Design History: Industrial Revolution to Contemporary	3
BUS 332 Principles of Marketing	4
BUS 336 Advert. and Promotion Management	4
ART 468 Graphic Design Portfolio Preparation	3
ART 469 Portfolio Review	1
ART 472 Graphic Design Seminar	2
<b>TOTAL</b>	<b>26</b>

## Art and Design Concentration

### LOWER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
ART 103 Two-Dimensional Design	3
ART 104 Three-Dimensional Design	3
ART 115 Drawing I	3
ART 200 History of Art I*	3
ART 201 History of Art II*	3
ART 203 Graphic Design I: Visual Symbolism	3
ART 210 Painting I	3
ART 215 Introduction to Computer Graphics	3
ART 221 Photography I	3
<b>TOTAL</b>	<b>27</b>

### UPPER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
ART 304 Modern Art History OR	3
ART 305 Contemporary Art History	(3)

ART 303	Graphic Design II: Typography	3
ART 315	Introduction to Interactive/Web Applications	3
ART 333	Graphic Design III : Production and Practice	3
ART 335	Design History: Industrial Revolution to Contemporary	3
ART 450	Interactive/Web Design	3
ART 468	Graphic Design Portfolio Preparation	3
ART 469	Portfolio Review	1
ART 472	Graphic Design Seminar	2
	<b>TOTAL</b>	<b>24</b>

### **Editorial Design Concentration**

#### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ART 103 Two-Dimensional Design	3
ART 104 Three-Dimensional Design	3
ART 115 Drawing I	3
ART 200 History of Art I*	3
ART 201 History of Art II*	3
ART 203 Graphic Design I: Visual Symbolism	3
ART 215 Introduction to Computer Graphics	3
ART 221 Photography I	3
WRI 250 Introduction to Journalism	3
<b>TOTAL</b>	<b>27</b>

#### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ART 304 Modern Art History <i>OR</i>	3
ART 305 Contemporary Art History	(3)
ART 303 Graphic Design II: Typography	3
ART 333 Graphic Design III : Production and Practice	3
ART 335 Design History: Industrial Revolution to Contemporary	3
WRI 330 Photojournalism	3
WRI 440 Magazine Editing and Concepts	3
ART 468 Graphic Design Portfolio Preparation	3
ART 469 Portfolio Review	1
ART 472 Graphic Design Seminar	2
<b>TOTAL</b>	<b>24</b>

### **Illustration Concentration**

#### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ART 103 Two-Dimensional Design	3
ART 104 Three-Dimensional Design	3
ART 115 Drawing I	3
ART 200 History of Art I*	3
ART 201 History of Art II*	3
ART 203 Graphic Design I: Visual Symbolism	3
ART 210 Painting I	3
ART 215 Introduction to Computer Graphics	3
ART 223 Printmaking I	3
<b>TOTAL</b>	<b>27</b>

**UPPER DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ART 303 Graphic Design II: Typography	3
ART 304 Modern Art History <i>OR</i>	3
ART 305 Contemporary Art History	(3)
ART 330 Illustration I	3
ART 331 Illustration II	3
ART 333 Graphic Design III : Production and Practice	3
ART 345 Life Drawing	3
ART 468 Graphic Design Portfolio Preparation	3
ART 469 Portfolio Review	1
ART 472 Graphic Design Seminar	2
<b>TOTAL</b>	<b>24</b>

**RECOMMENDED ELECTIVES**

<b>COURSE TITLE</b>	<b>UNITS</b>
ART 221 Photography I	3
ART 310 Painting II	3
ART 323 Photography II	3
ART 326 Digital Photography	3
ART 335 Design History: Industrial Revolution to Contemporary	3
<i>* Meets general education requirement in the fine arts</i>	

# VISUAL ARTS MAJOR

## Drawing/Painting/Printmaking Concentration

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
ART 103	Two-Dimensional Design	3
ART 104	Three-Dimensional Design	3
ART 115	Drawing I	3
ART 200	History of Art I*	3
ART 201	History of Art II*	3
ART 206	Drawing II	3
ART 210	Painting I	3
ART 215	Introduction to Computer Graphics	3
ART 223	Printmaking I	3
	<b>TOTAL</b>	<b>27</b>

### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
ART 304	Modern Art History	3
ART 305	Contemporary Art History	3
ART 323	Printmaking II <i>OR</i>	3
ART 310	Painting II	(3)
ART 345	Life Drawing	3
ART 390	Advanced Studio Practice	3
ART 420	Contemporary Studio Seminar	3
ART 466	Exhibition Preparation	3
ART 467	Senior Exhibition	1
	<b>TOTAL</b>	<b>22</b>

## Sculpture Concentration

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
ART 103	Two-Dimensional Design	3
ART 104	Three-Dimensional Design	3
ART 115	Drawing I	3
ART 200	History of Art I*	3
ART 201	History of Art II*	3
ART 206	Drawing II	3
ART 215	Introduction to Computer Graphics	3
ART 222	Sculpture I	3

### ELECTIVES (LOWER-DIVISION)

**Choose one:**

COURSE	TITLE	UNITS
ART 203	Graphic Design I: Visual Symbolism	3
ART 210	Painting I	3
ART 221	Photography I	3
ART 223	Printmaking I	3
TRE 270	Acting I	3
	<b>TOTAL</b>	<b>27</b>

### UPPER-DIVISION REQUIREMENTS

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ART 304	Modern Art History	3
ART 305	Contemporary Art History	3
ART 322	Sculpture II	3
ART 390	Advanced Studio Practice	3
ART 420	Contemporary Studio Seminar	3
ART 466	Exhibition Preparation	3
ART 467	Senior Exhibition	1

**ELECTIVES (UPPER-DIVISION)**

**Choose three units from any upper-division art, design, or art history courses offered by the Department of Art and Design or:**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 115	Fundamentals of Interior Design	2
FCS 320	Advanced Housing Environments	2
COM 195	Media Literacy	3
COM 300	Narrative and Documentary Film	3
TRE 270	Acting 1	3
TRE 304	Theatre History	3
TRE 354	Movement I OR	3
TRE 370	Acting II	(3)
	<b>TOTAL</b>	<b>22</b>

**Photography Concentration**

**LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ART 103	Two-Dimensional Design	3
ART 104	Three-Dimensional Design	3
ART 115	Drawing I	3
ART 200	History of Art I*	3
ART 201	History of Art II*	3
ART 206	Drawing II	3
ART 215	Introduction to Computer Graphics	3
ART 221	Photography I	3

**ELECTIVES (LOWER-DIVISION)**

**Choose one:**

ART 203	Graphic Design I: Visual Symbolism	3
ART 210	Painting I	3
ART 222	Sculpture I	3
ART 223	Printmaking I	3
	<b>TOTAL</b>	<b>27</b>

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ART 304	Modern Art History	3
ART 305	Contemporary Art History	3
ART 321	Photography II	3
ART 326	Digital Photography	3
ART 390	Advanced Studio Practice	3
ART 420	Contemporary Studio	3

	Seminar	
ART 466	Exhibition Preparation	3
ART 467	Senior Exhibition	1
	<b>TOTAL</b>	<b>22</b>

*\*Meets the general education  
requirement in the Fine Arts.*

## ***ART MINOR***

### **REQUIRED**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ART 103	Two-Dimensional Design	3
	<i>OR</i>	
ART 104	Three-Dimensional Design	(3)
ART 115	Drawing I	3
ART 304	Modern Art History <i>OR</i>	3
ART 305	Contemporary Art History	(3)
	<b>TOTAL</b>	<b>9</b>

### **Electives**

***Choose nine upper-division units from Studio and Graphic Design courses listed in the Catalog.***

**TOTAL 18**

***NOTE: It is highly recommended that Art minors take either ART 200 or ART 201 to fulfill the general education requirement in the Fine Arts.***

# ART AND DESIGN COURSES

## Lower-Division

### **ART 100 (2) INTRODUCTION TO ART-GE**

An introductory art orientation course dealing with the philosophy of art, language of design, aesthetics, art criticism, and a basic understanding of the western and non-Western artistic heritage. Offered on a Quad basis.

### **ART 102 (3) FUNDAMENTALS OF ART-GE**

Introductory course in the principles and elements of design as they apply to basic art skills and media, aesthetic awareness, art criticism, and applications in the fine, applied, and multicultural arts. Provides hands-on art experiences. This course does not count for Visual Arts or Graphic Design majors.

### **ART 103 (3) TWO-DIMENSIONAL DESIGN**

Introduction to two-dimensional design theories and criticism. Exploration of art techniques and media used in two-dimensional compositions. Applications in non-Western art forms.

### **ART 104 (3) THREE-DIMENSIONAL DESIGN**

Introduction to the practice of three-dimensional design, theories, and criticism. Emphasis on the formal aspects of design including composition, balance, and space. Applications to sculpture, architecture, and industrial design.

### **ART 115 (3) DRAWING I**

Introduction to the materials, techniques, styles, historical influences, and compositional structures of drawing, with an emphasis on perceptual skills.

### **ART 200 (3) HISTORY OF ART I-GE**

A survey of western and non-western art history and styles through the study and criticism of painting, sculpture, and architecture from ancient civilizations to the Renaissance period.

### **ART 201 (3) HISTORY OF ART II-GE**

A survey of western and non-western art history and styles, from the Renaissance to the modern period. Offered every spring.

### **ART 203 (3) GRAPHIC DESIGN I: VISUAL SYMBOLISM**

Introduction to visual form-making in graphic design through use of symbols, type, and imagery. Exploration of design applications, techniques, issues, and media fundamental to the graphic design profession.

*Prerequisites: Art 103, 115, 215 or concurrent.*

### **ART 206 (3) DRAWING II**

Emphasizes the technical and expressive qualities of drawing as a finished work of art. Focus is given to aesthetic sensibilities, composition, and historical influences.

*Prerequisite: Art 115.*

### **ART 210 (3) PAINTING I**

Introduction to the techniques, expressive qualities, and criticism of oil painting media.

*Prerequisites: Art 103, 115.*

### **ART 215 (3) INTRODUCTION TO COMPUTER GRAPHICS**

Introductory experiences in the creation and production of computer-generated images. Includes the use of graphics software to combine image, text and technology; including Adobe Illustrator, Adobe InDesign and Adobe Photoshop.

*Prerequisite: Art 103.*

### **ART 221 (3) PHOTOGRAPHY I**

Black and white photography, theory, history, and applied laboratory experiences.

*Prerequisites: Art 102 or Art 103.*

### **ART 222 (3) SCULPTURE I**

Beginning sculpture techniques in a variety of media. Emphasis is on contemporary art approaches and issues.

*Prerequisites: Art 104.*

### **ART 223 (3) PRINTMAKING I**

Processes and techniques of printmaking. Includes intaglio, relief, or planographic media.

Explores Western and non-Western influences on printmaking imagery and techniques.

*Prerequisites: Art 103, 115.*

## ***Upper-Division***

### **ART 303 (3) GRAPHIC DESIGN II: TYPOGRAPHY**

Examination of typography as a design tool. Exploration of visual hierarchy, principles of contrast, verbal messages, and communicative models. Development of computer skills used in the production of graphic forms.

*Prerequisites: Art 103, 115, 203, 215.*

### **ART 304 (3) MODERN ART HISTORY**

Studies of modern art movements from the middle of the 19th century through the middle of the 20th century. Includes applications to art criticism, aesthetics, and non-Western influences on modern art.

*Prerequisites: Art 200 or Art 201.*

### **ART 305 (3) CONTEMPORARY ART HISTORY**

Exploration of contemporary art with reference to historical developments from the mid-20th century to the present. Aesthetics, criticism, gender issues, and non-Western influences are also explored.

*Prerequisites: Art 200 or Art 201.*

### **ART 310 (3) PAINTING II**

Further development of painting skills in oil and other media with emphasis on conceptual development and personal expression. Western and non-Western influences on painting styles are explored.

*Prerequisites: Art 103, 115, 210.*

### **ART 315 (3) INTRODUCTION TO INTERACTIVE/WEB APPLICATIONS**

Introduction to the use of the computer as a tool for designing interactive media. Includes the use of multimedia software to design for the World Wide Web, CD-ROMs and other interactive media.

*Prerequisites: Art 103, 215.*

### **ART 319 (3) VISUAL ARTS IN THE CLASSROOM I**

Theory and practice in the teaching of the visual arts in early education through middle school years. Content is designed to meet expectations of the California Visual and Performing Arts Framework and California Visual Arts Standards.

*Prerequisite: Junior standing (Art 100 or 102 and Education 304 recommended).*

### **ART 320 (2) CONTEMPORARY HOUSING ENVIRONMENTS**

Planning the total home environment. Housing and interior design from a non-technical basis. This course offers credit in programs housed in the Department of Family and Consumer Sciences or the Department of Art and Design.

*Prerequisites: Family and Consumer Sciences 115 OR Art 103 and 104.*

### **ART 321 (3) PHOTOGRAPHY II**

Intermediate darkroom and photography experiences. Emphasis on photography as fine art expression through innovative techniques.

*Prerequisites: Art 102 or 103, 221.*

### **ART 322 (3) SCULPTURE II**

Intermediate level sculptural techniques using three-dimensional media.

*Prerequisites: Art 103, 104, 115, 312.*

### **ART 323 (3) PRINTMAKING II**

Intermediate experiences in a range of printmaking techniques including drypoint, intaglio, woodblock, collograph, or silk screen.

*Prerequisites: Art 103, 115, 206, 223.*

### **ART 325 (3) TOPICS IN NON-WESTERN ART**

Field-based studies in non-Western visual art forms. Students conduct research in non-Western art history under the direction of a member of the Art faculty. Students also participate in 3 hours per week of field work assignments at local art museums and institutions with non-Western art collections.

### **ART 326 (3) DIGITAL PHOTOGRAPHY**

Advanced studies in photography using digital technologies with attention to concept and development and contemporary experimental methods.

*Prerequisite: Art 221.*

### **ART 330 (3) ILLUSTRATION I**

An introductory course in illustration with an emphasis on concept, individual expression, and the development of technical skills in a variety of media. Students focus on the process of taking a project from thumbnails and roughs, through to finished art. Students are exposed

to a variety of areas of illustration: advertising, editorial, institutional, and corporate.  
*Course prerequisites: Art 103, 115, 215, 345.*

**ART 331 (3) ILLUSTRATION II**

Advanced course in illustration with an emphasis on the continuing development of a personal visual vocabulary, the sharpening of conceptual skills and the development of technical abilities in traditional and digital media. Students strengthen and enhance portfolio content, increase their awareness of current trends in contemporary illustration, as well as learn the professional aspect of illustration including working with clients and an art director, reproduction requirements and professional practices.  
*Prerequisites: Art 103, 115, 215, 230.*

**ART 333 (3) GRAPHIC DESIGN III: PRODUCTION AND PRACTICE**

Advanced applications of graphic design. Complex design projects, professional level assignments, and critical analysis of design problems. Development of advanced production techniques.  
*Prerequisites: Art 103, 115, 203, 303.*

**ART 335 (3) DESIGN HISTORY: INDUSTRIAL REVOLUTION TO CONTEMPORARY DESIGN**

An examination of the history, process and practice of design from the late 19th century to the new millennium. Objects, designers, history and culture which led to the birth of the profession of design are addressed along with its sources in art, architecture, science, and industry.

**ART 341 (3) PHILOSOPHY OF ART**

Classical and recent theories of beauty and art, with selected coverage of such concepts as aesthetics, expression, representation, and criticism.  
*Prerequisite: Philosophy 201.*

**ART 345 (3) LIFE DRAWING**

Advanced procedures applied to drawing the human figure. Emphasis on contemporary and traditional styles, techniques in a variety of media, human anatomy, and historical influences.  
*Prerequisite: Art 115.*

**ART 390 (3) ADVANCED STUDIO PRACTICE**

An advanced level studio course for students working in any medium. Emphasis is placed on contemporary art strategies, and theoretical issues. This course is required for all Visual Arts majors. May be repeated once for credit.  
*Prerequisites: One of the following: Art 307, 310, 321, 322, 323, or consent of instructor.*

**ART 420 (3) CONTEMPORARY STUDIO SEMINAR**

An advanced level seminar. Exploration of contemporary art media, critical and theoretical issues, including multi-cultural, and gender influences. Also addresses professional strategies and practices. This course is required for all Visual Arts majors.  
*Prerequisites: one of the following: Art 307, 210, 221, 222, 223, 390, and Junior standing.*

**ART 440 (1) INDEPENDENT STUDIES IN ART**

Private art lessons in advanced studio art or graphic design experiences. May be repeated for credit.  
*Prerequisite: Consent of instructor.*

**ART 450 (3) INTERACTIVE/WEB DESIGN**

Advanced experiences in graphic design concepts and technologies. Concentration on theories of interactivity, and the use of multimedia computer applications to design interactive and Web media.  
*Prerequisites: Art 315.*

**ART 455 (3) VISUAL ARTS IN THE CLASSROOM II**

Theory and practice in the teaching of the visual arts in the schools. Content is designed to meet expectations of the California Visual Arts Standards and focuses primarily on middle through high school levels. Each student is required to prepare a final portfolio of the semester's work. Students are required to spend a minimum of 16 hours of observation time in a public school art classroom during the semester.  
*Prerequisites: Senior standing, Education 304 (or co-requisite), 3 upper-division Art courses.*

**ART 466 (3) SENIOR STUDIO EXHIBITION PREPARATION**

Preparation for the Senior Exhibition for Visual Arts majors.  
*Prerequisites: Completion of, or concurrent enrollment in Art 390, 420.*

**ART 467 (1) SENIOR STUDIO EXHIBITION**

Visual Arts majors complete the Senior Studio Exhibition under the guidance of faculty. All exhibitions take place in the Keller or Cabrillo galleries during the semester immediately prior

to graduation. All exhibitions must be reviewed by a panel of faculty and art professionals.  
*Prerequisites: Art 466.*

**ART 468 (3) GRAPHIC DESIGN PORTFOLIO PREPARATION**

Preparation for the Portfolio Review for Graphic Design majors.  
*Prerequisites: Art 333, senior standing.*

**ART 469 (1) GRAPHIC DESIGN PORTFOLIO REVIEW**

Graphic Design majors complete the Graphic Design Portfolio Review under the guidance of faculty. All reviews take place during the semester immediately prior to graduation. All portfolios must be reviewed by a panel of faculty and art professionals.  
*Prerequisites: Art 468.*

**ART 470 (1-3) INTERNSHIP IN ART**

Students observe and participate in art-related professional settings under qualified supervisors. May be repeated for a maximum of six units. Graded Credit/No Credit.  
*Prerequisite: Consent of instructor.*

**ART 472 (2) GRAPHIC DESIGN SEMINAR**

Exploration of contemporary design issues through reading, research and group discussions. Introduction to basic business practices relevant to the graphic designer—estimating projects, creating invoices, scheduling, promotion, resumes, and self-promotion.  
*Prerequisites: Art 333.*

**ART 490 (1-3) SPECIAL STUDIES IN ART**

Studies in selected art topics by advanced art or graphic communications students. Offered in small group seminar format or independent study. May be repeated for a maximum of six units.  
*Prerequisite: Consent of department chair.*

# BIOLOGY

## Purposes

The objectives of the Biology department coincide with the Point Loma Nazarene University mission summarized in the phrase: *To Teach, To Shape, To Send*.

**To Teach:** The department's commitment is to provide students the opportunity to build a broad foundation in the major disciplines of Biology, in the process of science skills, and in the critical thinking/quantitative skills that are required to apply their education to real world settings.

**To Shape:** In addition to the formal academic interactions, each student has opportunities to enter into mentoring relationships with department faculty through advising, lab assisting, research experiences, and departmental social functions. In these contexts, students can expect to dialogue about issues relating to their own personal and professional goals, the interface between the field of biology and society, and the relationship between faith and science.

**To Send:** The graduates of the Biology department will be able to apply both their faith and education in biology-related professions such as medicine, allied health fields, education, or industry. They will feel confident that they have been well prepared to contribute in a positive way in these fields, and society in general.

## Tradition of Excellence

The Department of Biology is dedicated to the success of the students, and offers a wealth of opportunities for students who are interested in pursuing work in science related fields. For students whose interests and academic needs lie in both biology and chemistry, an interdepartmental major in Biology-Chemistry has been designed to prepare students for biochemistry, immunology, molecular biology, pharmacology, physiology, medicine, and dentistry. Biology students have the opportunity to work side-by-side with professors doing faculty-assisted research projects, and may become co-authors on scholarly papers in national and international scientific journals. Many students present research at various science conferences. Students also have access to sophisticated instrumentation and computational resources for use in science courses and research labs.

All of these opportunities have been given to students through the help of numerous grants from governmental agencies such as the National Institutes of Health and the National Science Foundation, various private organizations including the Howard Hughes Medical Institute, cooperation from university administration, and strong financial backing by Biology and Chemistry alumni. Since 1977, alumni of the Department of Biology have contributed an average of more than \$12,000 per year in support of science instruction and research programs. Career Opportunities Students who graduate with a degree from the Department of Biology leave PLNU prepared for graduate schools or careers in industry. Over the last 25 years, approximately 80 percent of PLNU's applicants have gained acceptance to medical schools (roughly twice the national average); the acceptance rate for Biology and Chemistry students applying to graduate (M.A., M.S., and Ph.D.) and dental school programs is over 95 percent.

## Majors

Biology  
    Organismal  
    Cell and Molecular  
Biology-Chemistry  
Environmental Science

## Minors

Cell and Molecular Biology  
Environmental Biology  
Organismal Biology

## Courses

## Faculty

Dianne L. Anderson, Ph.D.  
*University of California, San Diego and San Diego State University*

David E. Cummings, Ph.D.  
*University of Idaho*

Michael I. Dorrell, Ph.D.  
*The Scripps Research Institute, La Jolla, California*

Robert C. Elson, Ph.D.  
*University of Cambridge, England*

Darrel R. Falk, Ph.D., Co-chair  
*University of Alberta*

Rebecca J. Flietstra, Ph.D.  
*University of Kansas Medical Center*

Kerry D. Fulcher, Ph.D.  
*University of Idaho*

April L. Maskiewicz, Ph.D.  
*University of California, San Diego, and San Diego State University*

Michael R. McConnell, Ph.D.  
*Tufts University School of Medicine*

Michael S. Mooring, Ph.D.  
*University of California, Davis*

Dawne M. Page, Ph.D., Co-chair  
*University of California, San Francisco*

# BIOLOGY MAJOR

## Biology B.A.

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
<b>Biology:</b>		
BIO 210*	Cell Biology and Biochemistry	4
BIO 215*	Animal Biology	4
<b>Chemistry:</b>		
CHE 152*	General Chemistry I	4-5
CHE 153*	General Chemistry II	4
CHE 295*	Organic Chemistry	5
<b>Mathematics:</b>		
MTH 144*	Calculus with Applications	4
<b>TOTAL</b>		<b>25-26</b>

### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
MTH 362	Calculus Based Statistics	2
BIO 300*	Bioinformatics	2
BIO 310	General Botany	3
BIO 345*	Genetics	4
BIO 350	Advanced Cell Biology	3
BIO 360	Ecology	3
BIO 380	Molecular Biology	3
BIO 420	Vertebrate Physiology	3
BIO 497*	Biology Seminar	1
<b>TOTAL</b>		<b>24</b>

**Complete one of the following three options.**

#### Track I - Organismal Emphasis

Take Track I electives to a minimum of 8 units.

#### Track II - Cell and Molecular Emphasis

Take Track II electives to a minimum of 9 units.

#### Track III - Individualized Emphasis

Take one elective from Track I or one elective from Track II (minimum 3 units) plus a combination of two upper-division, non-GE courses from inside or outside of Biology, approved by the department chair.

#### Track I Electives

COURSE	TITLE	UNITS
BIO 315	Microbiology	3
BIO 320	Marine Zoology	3
BIO 325	Insect Biology	3
BIO 330	Marine Invertebrate Zoology (Quad)	2
BIO 340	Field Biology (Quad)	2
BIO 370	Maring Plant and Microbial Life (Quad)	2
BIO 410*	Vertebrate Biology	3
BIO 430	Animal Behavior	3

#### Track II Electives

COURSE	TITLE	UNITS
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BIO 315	Microbiology	3
BIO 390	Immunology	3
BIO 400	Developmental Biology	3
BIO 450	Advanced Biochemistry	4
BIO 470	Neuroscience	3
	<b>Upper-division Elective Total</b>	<b>8-9</b>
	<b>Bachelor of Arts Total</b>	<b>58-60</b>

*Note: Courses with "\*" are required by the State of California for the teacher education concentration in Life Sciences.*

## **Biology B.S.**

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 210*	Cell Biology and Biochemistry	4
BIO 215*	Animal Biology	4
CHE 152*	General Chemistry I	4-5
CHE 153*	General Chemistry II	4
CHE 295*	Organic Chemistry	5
MTH 144*	Calculus with Applications	4
PHY 141	General Physics I	4
PHY 142	General Physics II	4
	<b>TOTAL</b>	<b>33-34</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MTH 362	Calculus Based Statistics	2
BIO 300*	Bioinformatics	2
BIO 310	General Botany	3
BIO 345*	Genetics	4
BIO 350	Advanced Cell Biology	3
BIO 360	Ecology	3
BIO 380	Molecular Biology	3
BIO 420	Vertebrate Physiology	3
BIO 497*	Biology Seminar	1
	<b>TOTAL</b>	<b>24</b>

**Complete one of the following two options.**

#### **Track I: Organismal Emphasis**

Take three Track I electives and one Track II elective (minimum 10 units).

#### **Track II: Cell and Molecular Emphasis**

Take three Track II electives and one Track I elective (minimum 11 units).

#### **Track I Electives**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 315	Microbiology	3
BIO 320	Marine Zoology	3
BIO 325	Insect Biology	3
BIO 330	Marine Invertebrate Zoology (Quad)	2
BIO 340	Field Biology (Quad)	2

BIO 370	Marine Plant and Microbial Life (Quad)	2
BIO 410*	Vertebrate Biology	3
BIO 430	Animal Behavior	3
	Approved off-campus+	1-4

**Track II Electives**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 315	Microbiology	3
BIO 390	Immunology	3
BIO 400	Developmental Biology	3
BIO 450	Advanced Biochemistry	4
BIO 470	Neuroscience	3
	Approved off-campus+	1-4
	<b>Upper-division</b>	<b>10-11</b>
	<b>Elective Total</b>	
	<b>Bachelor of Science</b>	<b>68-70</b>
	<b>Total</b>	

**Note:** Courses with “\*” are required by the State of California for the teacher education concentration in Life Sciences. Units marked with a “+” must be approved by the department chair in advance.

# ***BIOLOGY-CHEMISTRY MAJOR***

## **Biology-Chemistry B.S.**

The interdepartmental major in Biology-Chemistry has been designed for those students whose academic needs and interests include both biology and chemistry. The major was instituted because a large segment of contemporary scientific investigation lies at the intersection of these two fields. Areas well served by this preparation include medicine, dentistry, and graduate disciplines such as biochemistry, physiology, and molecular biology.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 210	Cell Biology and Biochemistry	4
BIO 215	Animal Biology	4
CHE 151	General Chemistry Tutorial*	1
CHE 152	General Chemistry I	4
CHE 153	General Chemistry II	4
CHE 211	Analytical Chemistry	2
CHE 295	Organic Chemistry I	5
PHY 141	General Physics I	4
	<i>AND</i>	
PHY 142	General Physics II	4
	<i>OR</i>	
PHY 241	University Physics I	(4)
	<i>AND</i>	
PHY 242	University Physics II	(4)
MTH 144	Calculus with Applications	4
	<b>TOTAL</b>	<b>35-36</b>

*\*Course can be waived*

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 345	Genetics	4
BIO 380	Molecular Biology	3
BIO 497	Biology Seminar	1
CHE 300	Organic Chemistry II	2
CHE 325	Physical Chemistry I	5
CHE 351	Organic Qualitative Analysis	2
CHE 466	Advanced Inorganic Chemistry	2
CHE 326	Physical Chemistry II	2
	<i>OR</i>	
CHE 370	Instrumental Analysis	(2)
	<i>OR</i>	
CHE 453	Advanced Organic Chemistry	(2)
BIO 450	Advanced Biochemistry	4
	<i>OR</i>	
CHE 450	Advanced Biochemistry	(4)
	<b>Three courses from:</b>	
BIO 300	Biomathematics and Bioinformatics	2
BIO 315	Microbiology	3
BIO 350	Advanced Cell Biology	3
BIO 390	Immunology	3
BIO 400	Developmental Biology	3
BIO 420	Vertebrate Physiology	3
	<b>TOTAL</b>	<b>33-34</b>
	<b>MAJOR TOTAL</b>	<b>68-70</b>

# ENVIRONMENTAL SCIENCE MAJOR

## Environmental Science (B.S.)

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
<b>Biology:</b>		
BIO 102	Environment and People OR	4
BIO 105	Ecology and Conservation	(4)
BIO 210	Cell Biology and Biochemistry	4
BIO 215	Animal Biology	4
<b>Chemistry:</b>		
CHE 151	General Chemistry Tutorial*	1
CHE 152	General Chemistry I	4
CHE 153	General Chemistry II	4
CHE 153	General Chemistry II	4
CHE 211	Analytical Chemistry	2
CHE 295	Organic Chemistry I	5
<b>Mathematics:</b>		
MTH 144	Calculus with Applications	4
<b>Choose one sequence:</b>		8
<b>Physics:</b>		
PHY 141-142	General Physics I-II	
PHY 241-242	University Physics I-II	
<b>Choose one of three:</b>		3
<b>Sociology:</b>		
SOC 201	Cultural Anthropology	
<b>Economics:</b>		
ECO 101	Principles of Economics I	
ECO 102	Principles of Economics II	
<b>TOTAL</b>		<b>43**</b>

\*Course can be waived

\*\*Lower-division units = 47 if Political Science 230 is taken as one of "Other Related Electives" listed below.

### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
BIO 345	Genetics	4
BIO 360	Ecology	3
BIO 497	Biology Seminar	1
CHE 370	Instrumental Analysis	2
MTH 362	Calculus Based Statistics	2
<b>TOTAL</b>		<b>12</b>

### Upper-Division Electives

A minimum of 8 units of upper-division electives are required from approved environmental off-campus programs. Both departmental chairs

*(Biology and Chemistry) or their designees are responsible for approving all off-campus courses. At least one-half of upper-division units in the major must be taken at PLNU.*

**Advanced Science Electives (8 units minimum)**

*One of more approved off-campus environmental course(s) may fulfill part or all of this requirement.*

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 310	General Botany	3
BIO 315	Microbiology	3
BIO 320	Marine Zoology	3
BIO 325	Insect Biology	3
BIO 330	Marine Invertebrate Zoology	2
BIO 340	Field Biology	2
BIO 370	Marine Plant and Microbial Life	2
BIO 410	Vertebrate Biology	3
BIO 420	Vertebrate Physiology	3
BIO 430	Animal Behavior	3
CHE 450/ BIO 450	Advanced Biochemistry	4
CHE 300	Organic Chemistry II	2
CHE 325	Physical Chemistry I	5
CHE 351	Organic Qualitative Analysis	2
CHE 466	Advanced Inorganic Chemistry	2
CHE 475	Special Topics in Chemistry	2

**Other Related Electives (9 units minimum)**

*Students can customize their degree by taking any combination of courses from the two categories below. One or more approved off-campus environmental course(s) may fulfill part or all of this requirement.*

**Methodology:**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CHE 490	Internship in Chemistry	1-3
CHE 499	Research in Chemistry	1-3
BIO 490	Internship in Biology	1-3
BIO 499	Research in Biology	1-3

**Public Policy and Stewardship:**

POL 230	Introduction to International Relations	4
POL 394	Governments and Politics of the Global South	4
POL 441	Issues in Public Policy	4
PHL 451	Religion and Science	3

**Upper-Division Elective Total**      **25-29\***

**Bachelor of Science Total**      **72\*\***

*\* Upper-division units = 25 if Political Science 230 is taken as one of the "Other Related Electives" listed above.*

*\*\*14 units meet general education requirements.*

# ***CELL AND MOLECULAR BIOLOGY MINOR***

## **Cell and Molecular Biology**

### **REQUIRED**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 210	Cell Biology and Biochemistry	4
BIO 215	Animal Biology	4
BIO 345	Genetics	4
CHE 152	General Chemistry I	4
CHE 151	Chemistry Tutorial (can test out with good math background)	1

### ***Nine units from the following electives:***

BIO 380	Molecular Biology	3
BIO 300	Bioinformatics	2
BIO 350	Advanced Cell Biology	3
BIO 315	Microbiology	3
BIO 370	Neuroscience	3
BIO 390	Immunology	3
BIO 400	Developmental Biology	3
	<b>TOTAL</b>	<b>25</b>

# ***ENVIRONMENTAL BIOLOGY MINOR***

## **Environmental Biology**

### **REQUIRED**

#### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 102	Environment and People*	4
	OR	
BIO 105	Ecology and Conservation *	(4)
BIO 215	Animal Biology	4
CHE 101	Chemistry and Society*	4
	OR	
CHE 151	General Chemistry Tutorial*	(1)
	AND	
CHE 152	General Chemistry II*	(4)
	<b>TOTAL</b>	<b>12-13</b>

\*Satisfies general education requirements

#### **UPPER-DIVISION REQUIREMENTS**

BIO 360	Ecology	3
	<b>TOTAL</b>	<b>3</b>

#### **UPPER-DIVISION ELECTIVES**

Approved electives**	6
One approved off-campus field-immersion course	4
<b>TOTAL</b>	<b>10</b>

\*\*Approved electives include the following:

*Biology 310, Biology 320, Biology 325,  
Biology 330, Biology 340, Biology 370,  
Biology 410, and Biology 430*

<b>TOTAL FOR MINOR</b>	<b>25-26</b>
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# *ORGANISMAL BIOLOGY MINOR*

## **Organismal Biology**

### **REQUIRED**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 210	Cell Biology and Biochemistry	4
BIO 215	Animal Biology	4
BIO 360	Ecology	3
<b><i>Nine units from the following electives:</i></b>		
BIO 310	Botany	3
BIO 315	Microbiology	3
BIO 320	Marine Vertebrate Biology	3
BIO 325	Insect Biology	3
BIO 330	Marine Invertebrate Biology	2
BIO 340	Field Biology	2
BIO 370	Neuroscience	3
BIO 410	Vertebrate Biology	3
BIO 430	Animal Behavior	3
	<b>TOTAL</b>	<b>20</b>

# ***BIOLOGY COURSES***

## ***Lower-Division***

### **BIO 101 (4) HUMAN BIOLOGY AND BIOETHICS–GE**

An exploration of assorted topics in human biology as they intersect with bioethical and sustainability issues of current interest in society. Topics include human physiology, health, reproduction, genetics, and ecology. Course examines the underlying scientific basis of specific examples and how they relate to everyday life. Course approach emphasizes the process of science, critical thinking, active learning, social relevancy, and building connections between case studies and general concepts of biology. Lecture and inquiry-based lab. Offered every year.

### **BIO 102 (4) ENVIRONMENT AND PEOPLE–GE**

A systematic overview of major topics in global ecology as they relate to environmental science and human use of natural resources. Includes such topics as sustainable development, population growth, food, agriculture, land degradation, urbanization, pollution, poverty, sanitation, health care, bio-diversity, and war. The implications for wise resource management, bioethics, economics, and governmental policy. Course approach emphasizes the process of science, critical thinking, active learning, social relevancy, and building connections between case studies and general concepts. Lecture. Offered every year.

### **BIO 103 (4) INTRODUCTION TO BIOLOGY–GE**

Designed to meet the requirements for the California Multiple Subject Teaching Credential for teaching grades K-8 (but open to all students). The subject areas include zoology, botany, physiology, cell structure, ecology, genetics, and evolution. Course explores major themes in these subject areas as they relate to everyday life, ethical concerns, conservation issues, and common misunderstandings. Course approach emphasizes the process of science, critical thinking, active learning, social relevancy, and building connections between case studies and general concepts of biology. Lecture and inquiry-based lab. Offered every year.

### **BIO 104 (4) BIOTECHNOLOGY AND SOCIETY–GE**

An examination of current topics in biotechnology as they impact society, bioethics, and sustainable living. Course addresses the questions “What is biotechnology?”, “How does it work?”, and “How does it affect our lives?”. Topics may include genetic engineering, gene amplification, genome projects, gene therapy, DNA fingerprinting, cloning, assisted reproductive technology, genetic screening, recombinant DNA, knock-outs, AIDS research, and GM foods. Course approach emphasizes the process of science, critical thinking, active learning, social relevancy, and building connections between case studies and general concepts of biology. Lecture. Offered every year.

### **BIO 105 (4) ECOLOGY AND CONSERVATION–GE**

A wide-ranging exploration of major topics in ecological science relating to current issues in conservation biology. Drawing from academic and applied fields, the course examines major concepts in conservation biology and how they impact society, public policy, wise management of natural resources, and ethical choices encountered in everyday life. Focus topics include biodiversity, habitat destruction, exotic species introductions, human harvesting, protected areas, and future prospects. Course approach emphasizes the process of science, critical thinking, active learning, social relevancy, and building connections between case studies and general concepts. Lecture and inquiry-based lab. Offered every year.

### **BIO 130 (4) HUMAN ANATOMY AND PHYSIOLOGY I–GE**

The first course of a two-semester sequence which examines the human body from an integrated perspective. Topics include an introduction to chemistry and cell function, tissue types, skeletal system, muscular system, and nervous system. Does not count for credit in the Biology major. Lecture and lab. Offered every year.

*Prerequisite or Corequisite: Chemistry 103 or Chemistry 152.*

### **BIO 140 (4) HUMAN ANATOMY AND PHYSIOLOGY II**

The second semester of a sequence which examines the human body from an integrated perspective emphasizing the interrelationship of structure and function. Topics include endocrine system and reproduction, cardiovascular system, immune system, respiratory system, digestive system, and urinary system. Does not count for credit toward the Biology major. Lecture and lab. Offered every year.

*Prerequisite: Biology 130.*

### **BIO 210 (4) CELL BIOLOGY AND BIOCHEMISTRY–GE**

An introduction to the principles of cell biology and biochemistry. Topics to be discussed include the chemical basis of life, the structure and function of cellular organelles, basic metabolic pathways, the expression of the genetic material, recombinant DNA technology and models for the origin of cells. Lecture and lab. Offered every year.

*Prerequisite: Must have a previous course in high school or university-level chemistry.*

**BIO 215 (4) ANIMAL BIOLOGY-GE**

Principles of animal structure, function, and diversity. Lecture and lab. Offered every year.

*Prerequisite: Biology 210.*

**BIO 220 (4) MICROBIOLOGY OF INFECTIOUS DISEASES**

A study of microbial physiology, the diseases associated with infections by certain pathogenic microbes and the vertebrate response to microbial infections. Does not apply toward the Biology major. Lecture and lab. Offered every year.

*Prerequisites: Chemistry 103; Biology 140 (may be taken concurrently).*

## ***Upper-Division***

**BIO 300 (2) BIOINFORMATICS**

This course provides students with the background and exposure to a "toolkit" of Web-based servers running user-friendly applications appropriate to handling the mass of complex biological data being generated in the field of modern biology. It emphasizes techniques for searching sequence databases, pairwise and multiple sequence alignment, phylogenetic methods, and methods for pattern recognition and functional inference from sequence data. Lecture and laboratory. Offered as a Quad course.

*Prerequisites: Mathematics 362 or instructor consent.*

**BIO 310 (3) GENERAL BOTANY**

Principles of plant structure, function and diversity. Lecture and lab. Offered every year.

*Prerequisite: Biology 210 (Biology and Chemistry majors) or Biology 105 ( Environmental Biology minors), or consent of instructor.*

**BIO 315 (3) MICROBIOLOGY**

An in-depth exploration of the world of microscopic organisms, including their diversity, physiology, biochemistry and ecology. Emphasis is on prokaryotes, but also some discussion of microscopic eukaryotes. Lecture and laboratory. Offered every year.

*Prerequisites: Biology 210.*

**BIO 320 (3) MARINE ZOOLOGY**

A study of marine animals and their habitats, with an emphasis on marine vertebrates. Lecture, lab, and field work. Offered every year.

*Prerequisite: Biology 215.*

**BIO 325 (3) INSECT BIOLOGY**

An integrative approach to the diversity, structure, physiology, development, behavior, social dynamics, and ecology of insects, the most abundant and successful group of land animals. Also covered is the impact of insects on human health and agriculture. Lecture, lab, and fieldwork.

*Prerequisites: Biology 215.*

**BIO 330 (2) MARINE INVERTEBRATE ZOOLOGY**

A study of invertebrate adaptive biology, including anatomy, locomotion, nutrition, respiration, excretion, reproduction, and behavior. An emphasis on marine invertebrates and other invertebrate representatives of importance to the Southern California ecosystems. Includes lecture and lab. Offered spring 2010.

*Prerequisite: Biology 215.*

**BIO 340 (2) FIELD BIOLOGY**

A field oriented course that explains a particular topic relevant to the field sciences in Southern California. Topics rotate from year to year based on current trends and opportunities. Examples could include topics such as ornithology, herpetology, conservation biology, endangered species management, and experimental ecology. Offered spring 2010.

*Prerequisite: Biology 215.*

**BIO 345 (4) GENETICS**

The study of the inheritance, organization, expression and variability of genes. Lecture and lab. Offered every year.

*Prerequisite: Biology 210. A grade of "C" or better in Biology 210 or instructor consent.*

**BIO 350 (3) ADVANCED CELL BIOLOGY**

A study of the structure and function of eukaryotic cells. Topics include various aspects of subcellular structure, the extracellular matrix, cellular signal transduction mechanisms, regulation of cell division and cancer. The laboratory provides exposure to important current methodologies. Offered every year.

*Prerequisites: Biology 210 and 345.*

**BIO 360 (3) ECOLOGY**

A study of current ecological theory with environmental applications. Lecture, lab, and field work. Offered every year.

*Prerequisite: Biology 215.*

**BIO 370 (2) MARINE PLANT AND MICROBIAL LIFE**

An analysis of shoreline, tidal and floating marine plants, and associated microbial life of the Southern California coastline. Ecological and habitat characteristics are studied. Lecture, lab, and field work. Offered spring 2010.

*Prerequisites: Biology 215 or 210 and consent of instructor.*

**BIO 380 (3) MOLECULAR BIOLOGY**

A study of the regulatory mechanisms that govern gene expression in eukaryotic and prokaryotic cells and their viruses. Alterations of normal eukaryotic genetic regulatory mechanisms resulting from the transformed (cancerous) state also are discussed. Laboratory includes practical experience with the methodologies of modern genetic engineering. Lecture and lab. Offered every year.

*Prerequisite: Biology 345.*

**BIO 390 (3) IMMUNOLOGY**

Introduction to the immune system with an emphasis on mammalian models. The course focuses on the cellular and molecular regulation of the immune system in health and disease. Topics include recognition of antigen, development of lymphocyte repertoires, and innate and adaptive immune responses. Also included are discussions of the immune system's responses to cancer cells, tissue transplants, and allergenic substances. Lecture and laboratory. Offered every year.

*Prerequisites: Biology 345 and Chemistry 295; Biology 450 is recommended.*

**BIO 400 (3) DEVELOPMENTAL BIOLOGY**

An analysis of mechanisms of early development of invertebrates and vertebrates. Includes a study of the cellular, molecular, and genetic factors which influence the determination of the body plan as well as a study of the morphogenesis of selected organ systems. Lecture and lab. Offered every year.

*Prerequisites: Biology 345 and 380.*

**BIO 410 (3) VERTEBRATE BIOLOGY**

Taxonomy, behavior, distribution, and ecology of the vertebrates and a comparative study of their morphologies. Lecture and lab.

*Prerequisite: Biology 215.*

**BIO 420 (3) VERTEBRATE PHYSIOLOGY**

A physiochemical analysis of life processes, as studied by a systemic approach. Lecture and lab. Offered every year.

*Prerequisites: Biology 215 and Chemistry 295.*

**BIO 430 (3) ANIMAL BEHAVIOR**

An exploration of the behavioral biology of animals, including behavior genetics, physiological mechanisms, development, learning, neuro-physiology, ecology, reproduction, and social behavior; insights from ethology, psychology, behavioral ecology, and sociobiology are also studied. Labs emphasize various aspects of behavioral research in field settings and students conduct their own research projects. Lecture and lab. Offered fall 2009.

*Prerequisite: Biology 360 or consent of instructor.*

**BIO 450 (4) ADVANCED BIOCHEMISTRY**

Detailed analysis of protein and membrane structure. Includes quantitative approaches to the study of enzymes, catalytic mechanisms of enzymes, and a survey of the major metabolic pathways of carbohydrates, lipids, amino acids and nucleic acids. One three-hour lab each week. Also listed as Chemistry 450. Offered every year.

*Prerequisites: Biology 210 and Chemistry 295.*

**BIO 470 (3) NEUROSCIENCE**

A study of the nervous system at the molecular, cellular and intercellular levels with the goal of understanding the generation and control of thoughts and behavior. Laboratory exercises examine sensory transduction, CNS function, synaptic physiology, behavior and neuroanatomy. The relationship of brain and mind are examined in discussions of nervous system development, intelligence, memory, patho-physiology, sexuality and gender identity, and religious faith and ethics. Lecture and lab.

*Prerequisites: Biology 140 or 420, or Psychology 301, or consent of instructor.*

**BIO 490 (1-3) INTERNSHIP IN BIOLOGY**

Authentic work experience in jobs that are oriented to the field of biology and that include responsibility for decision making, problem solving, and the use of techniques, skills, knowledge acquired in the classroom. May be repeated to a maximum of three units. Credit/No Credit. Offered every year.

*Prerequisites: Junior or Senior standing. Consent department chair and faculty advisor.*

**BIO 495 (1-3) SPECIAL STUDIES IN BIOLOGY**

Individual study in depth of a selected biology under the direct supervision of a member of the faculty. Offered every year.

*Prerequisites: Consent of instructor and department chair.*

**BIO 497 (1) BIOLOGY SEMINAR**

Examination and discussion of selected biological issues with an emphasis on the relationship between Christian faith and scientific study. Course is to be taken by Biology, Biology-Chemistry and Environmental Science majors during their last semester prior to graduation. Offered every year.

*Prerequisite: Senior standing as a Biology or Bio-chemistry major.*

**BIO 499 (1-3) RESEARCH IN BIOLOGY**

Independent investigation, under the supervision of a member of the biology faculty. May be repeated for a total of six units, but no more three units may count toward upper-division requirements for graduation. Offered every year.

*Prerequisites: Junior or Senior standing and consent of instructor is required.*

**Au Sable Environmental Field Studies Program**

Summer field courses in environmental biology offered by the Au Sable Institute of Environmental Studies, a Christian organization offering work and field experiences in the context Christian environmental stewardship. Courses offered during two 5-week summer sessions three North American campuses (Great Pacific Rim, Florida). Courses are at the upper-division level, and provide students academic content, field experience, and tools for stewardship of creation resources. Academic credit for all Au Sable courses is through PLNU. Courses are four units each, and a two-course load is typical. Course credit counts as a graduation elective. Qualified students awarded the Au Sable Fellowship, and grants-in-aid of at least \$600 are also available. Interested students should contact PLNU's Sable Institute representative in the Biology department.

# ***FERMANIAN SCHOOL OF BUSINESS***

## **Purposes**

- To provide challenging courses that prepare graduates to meet the demands of the competitive business world and graduate school;
- To surround and assist students in spiritual development, by encouraging the utilization of strong Christian values, and applying those values to ethical issues in each topic of study;
- To enhance education with opportunities for students to experience the business world firsthand, and to meet and network with Christian business leaders of exemplary integrity and experience.

## **Tradition of Excellence**

The Fermanian School of Business educates students broadly in preparation for multiple careers and a wide variety of jobs. Christian values and ethical conduct are emphasized throughout the program, which also provides balance between theory and practice, emphasizes the global dimensions of business and encourages cross-cultural experiences. Small classes provide students with individualized attention from faculty who are dedicated to the academic success of each student. The faculty have earned doctorates or possess an earned professional credential, focus predominately on effective teaching, and take seriously their call to be Christian role models and mentors.

## **Career Opportunities**

The Fermanian School of Business provides quality preparation integrating theory, technology and practice. Resources such as the Fermanian Business Center promote student and business interaction through internships, the Entrepreneur Enrichment Program, networking and other innovative programs. Graduates have been successful pursuing graduate programs in academic environments such as University of Southern California, University of California, Los Angeles, San Diego State University, and Fermanian School of Business, etc. Accounting graduates have been successful passing the CPA examination. Highly respected firms in San Diego and throughout the world (i.e. Teledyne Ryan, IBM, Sheraton Hotels, Science Applications International, McDonnell-Douglas, Bank of America, Ernst and Young, Deloitte & Touche LLP, Internal Revenue Service, etc.) have actively recruited and hired graduates of the Fermanian School of Business.

Point Loma Nazarene University, through its Fermanian School of Business, is accredited by the Association of Collegiate Business Schools and Programs (ACBSP) to offer the following business degrees:

- Bachelor of Arts in Accounting
- Bachelor of Arts in Business Administration

## **Majors**

Accounting

Business Administration

*Concentrations*

Marketing

Entrepreneurial/Finance

Management

international Business

Marketing

International Development Studies

Industrial-Organizational Psychology

## **Minors**

Accounting

Business Administration

International Development Studies

Nonprofit Organization Management

Public Relations

## **Courses**

Accounting

Business

Economics

## **Faculty**

Senyo Adjibolosoo, Ph.D.  
*Simon Fraser University*

Randolph M. Ataide, M.A., J.D.  
*Mennonite Brethren Biblical Seminary*  
*San Joaquin College of Law*

Margaret Thomas Bailey, Ph.D.  
*University of Southern California*

Daniel S. Bothe, M.B.A.  
*University of Southern California*

Steven C. Cosentino, CPA, M.B.A.  
*San Diego State University*

Daniel A. Croy, Ed.D.  
*Vanderbilt University*

Robert C. Gailey, M.Div.  
*Nazarene Theological Seminary*

Carl T. Hammond III, CPA, M.B.A.  
*San Diego State University*

Rebecca A. Havens, Ph.D.  
*University of California, San Diego*

H. Ruth Toews Heinrichs, D.P.A.  
*University of LaVerne*

Kimberly S. Hogelucht, M.A.  
*San Diego State University*

Julie K. Huntley, Ph.D.  
*Arizona State University*

James H. McEliece, Ph.D.  
*Colorado School of Mines*

José E. Muñoz, Jr., M.B.A.  
*Florida State University*

Bruce A. Schooling, Ph.D., Dean  
*New Mexico State University*

Harry S. Watkins, Ph.D.  
*University of Oregon*

Joseph E. Watkins, III, Ph.D.  
*University of Arizona*

## **COMPUTER REQUIREMENT**

All majors must own a personal notebook computer for their program of study. The notebook is required upon entry into Accounting 201 Principles of Financial Accounting. Accounting 201 is normally taken in the fall semester of the sophomore year. Specific hardware requirements are available from the Fermanian School of Business Web site.

# ACCOUNTING MAJOR

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
ECO 101	Principles of Economics I *	3
ECO 102	Principles of Economics II *	3
ACC 201	Principles of Financial Accounting	4
ACC 202	Principles of Managerial Accounting	4
BUS 212	Principles of Management <i>OR</i>	4
BUS 374	Industrial Organizational Psychology/Human Resources	(4)
CSC 161	Presentation Technology <i>AND</i>	1
CSC 181	Excel <i>OR</i>	1
CSC 132	Introduction to Computer Science <i>OR</i> proficiency	(2)
MTH 123	Elementary Functions <i>OR</i> equivalent	3
MTH 203	Introduction to Statistics	3
PHL 211	Ethics **	3
<b>TOTAL</b>		<b>24-29</b>

## UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
ACC 370	Intermediate Accounting I	4
ACC 371	Intermediate Accounting II	4
ACC 374	Intermediate Managerial Accounting	2
ACC 375	Managerial Cost Accounting	2
ACC 410	Federal Tax Accounting I	4
ACC 411	Federal Tax Accounting II <i>OR</i>	2
ACC 421	Advanced Accounting	(2)
ACC 460	Auditing	4
BUS 301	Legal Environment of Business	4
BUS 332	Principles of Marketing	4
BUS 488	Strategic Management	4
<b>TOTAL</b>		<b>34</b>

## RECOMMENDED

COURSE	TITLE	UNITS
MTH 144	Calculus with Applications***	4
BUS 213	Administrative Communication	4

\* *Meets a general education requirement in the Social World.*

\*\* *Meets a general education requirement in Philosophy.*

\*\*\* *Meets a general education requirement in Problem Solving.*

# ***BUSINESS ADMINISTRATION MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ECO 101	Principles of Economics I *	3
ECO 102	Principles of Economics II *	3
ACC 201	Principles of Financial Accounting	4
ACC 202	Principles of Managerial Accounting	4
BUS 212	Principles of Management	4
BUS 213	Administrative Communication	4
CSC 161	Presentation Technology <i>AND</i>	1
CSC 181	Excel <i>OR</i>	1
CSC 132	Introduction to Computer Science <i>OR</i> Proficiency	(2)
MTH 123	Elementary Functions <i>OR</i> Equivalent	3
MTH 203	Introduction to Statistics	3
	<b>TOTAL</b>	<b>27-30</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ACC 374	Intermediate Managerial Accounting	2
BUS 301	Legal Environment of Business	4
BUS 332	Principles of Marketing	4
BUS 410	Business Finance	4
BUS 488	Strategic Management	4
BUS 489	Business Internship	4
	Upper-division Economics (300-490)	4
	<i>Approved OCP courses may satisfy this requirement</i>	
	<b>TOTAL</b>	<b>26</b>

## **RECOMMENDED**

PHL 211	ETHICS **	3
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\* *Fulfills the general education requirement in the Social World.*

\*\* *Fulfills the general education requirement in Philosophy.*

## **OPTIONAL CONCENTRATIONS**

*The requirements shown above are the minimum needed to obtain a Business Administration major. Students may earn a concentration designation on their transcript by taking eight additional units in one of the following concentrations:*

### **Concentration A: Marketing**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BUS 334	Professional Selling and Sales Management	4

***Four units from:***

BUS 336	Advertising and Promotion Management	4
BUS 432	Research Methods in Business	4
BUS 490	Special Topics in Business Administration	4
ECO 320	Urban Economics	2
ECO 440	Racial and Gender Issues in Economics and Education	2
ACC 410	Federal Tax Accounting I	4
COM 330	Persuasion	3
	<b>TOTAL</b>	<b>8</b>

**Concentration B:  
Entrepreneurial/Finance**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BUS 382	Entrepreneurship	2
BUS 486	Small Business Institute	2
<i>Four units from:</i>		
BUS 340	Real Estate Principles and Practices	4
BUS 411	Investments	4
BUS 432	Research Methods in Business	4
BUS 470	Nonprofit Organization Management	4
BUS 490	Special Topics in Business Administration	4
ECO 360	Public Finance	2
ECO 380	Money and Banking	4
ACC 410	Federal Tax Accounting I	4
	<b>TOTAL</b>	<b>8</b>

**Concentration C: Management**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BUS 374	Human Resource Management	4
<i>Four units from:</i>		
BUS 412	Leadership	4
BUS 432	Research Methods in Business	4
BUS 470	Nonprofit Organization Management	4
BUS 480	International Business	4
BUS 484	Operations Management	4
BUS 490	Special Topics in Business Administration	4
ECO 320	Urban Economics	2
ECO 315	Theories of Economic Development	4
ECO 440	Racial and Gender Issues in Economics and Education	2
	<b>TOTAL</b>	<b>8</b>

**Concentration D: International Business**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
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BUS 480	International Business	4
<b>Four units from:</b>		
BUS 423	International Business Communication	4
BUS 432	Research Methods in Business	4
BUS 490	Special Topics in Business	4
ECO 315	Theories of Economic Development	4
ECO 360	Public Finance	2
ECO 410	International Economics	4
<b>TOTAL</b>		<b>8</b>

- *Approved Off-Campus Cooperative Programs (OCP).*
- *Language proficiency at an intermediate level.*
- *One semester or summer of international study or immersion experience (approved OCP courses may satisfy this requirement).*

# ***INTERNATIONAL DEVELOPMENT STUDIES MAJOR***

The International Development Studies major provides students with the opportunity to study and evaluate economic development theories/models, development planning, development programming, grassroots development projects, democratization, gender issues in development, urban problems, and other factors that affect the development process.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ECO 101 Principles of Economics I *	3
ECO 102 Principles of Economics II *	3
ACC 201 Principles of Financial Accounting	4
BUS 212 Principles of Management	4
MTH 203 Introduction to Statistics	3
<b>TOTAL</b>	<b>17</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BUS 412 Leadership	4
BUS 470 Nonprofit Organization Management	4
BUS 480 International Business	4
ECO 315 Theories of Economic Development	4
ECO 410 International Economics	4
ECO 450 History of Economic Thought	4
ECO 460 Applied Econometrics	4
ECO 470 Contemporary Development Planning	4

### **Four units from:**

BUS 301 Legal Environment of Business	4
BUS 332 Principles of Marketing	4
BUS 382 Entrepreneurship	2
BUS 489 Business Internship	2-4
ECO 320 Urban Economics	2
ECO 360 Public Finance	2
ECO 380 Money and Banking	4
ECO 440 Racial and Gender Issues In Economics and Education	2
ECO 490 Special Studies in Economics	4
POL 230 Introduction to International Relations	4
POL 420 United States Foreign Policy	4
POL 435 Global Governance	4
POL 450 Issues of Global Human Rights	2
SOC 201 Cultural Anthropology*	3
SOC 350 Urban Sociology	3
<b>TOTAL</b>	<b>36</b>

## **STRONGLY RECOMMENDED ELECTIVE COURSE**

<b>COURSE TITLE</b>	<b>UNITS</b>
PHL 211 Ethics **	3

\* *Fulfills the general education requirement in the Social World.*

\*\* *Fulfills general education requirement in Philosophy.*

# ***INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY MAJOR***

This major in the Fermanian School of Business is designed for those who wish to enter the job market in fields of management, personnel, and research at the baccalaureate level.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
PSY 103 General Psychology	3
MTH 203 Introduction to Statistics	3
BUS 212 Principles of Management	4
ECO 101 Principles of Economics I*	3
ECO 102 Principles of Economics II*	3
<b>TOTAL</b>	<b>16</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BUS 332 Principles of Marketing	4
BUS 374 Human Resource Management	4
PSY 341 Group Counseling <i>OR</i>	3
PSY 345 Group Dynamics	(3)
PSY 350 Clinical and Research Assessment	3
PSY 390 Research Methods and Design I	4
PSY 391 Research Methods and Design II	4
PSY 409 Psychology of Cognition and Learning	4
<b><i>One course from:</i></b>	
PSY 301 Physiological and Neuropsychology	4
PSY 320 Social Psychology	3
PSY 321 Abnormal Psychology	3
<b>TOTAL</b>	<b>29-30</b>

*\*Meets general education requirement*

## ***ACCOUNTING MINOR***

A minor in Accounting is for students who are interested in an understanding of accounting principles and techniques, but who do not want to pursue a major in Accounting.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ACC 201 Principles of Financial Accounting	4
ACC 202 Principles of Managerial Accounting	4
<b>TOTAL</b>	<b>8</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ACC 370 Intermediate Accounting I	4
ACC 371 Intermediate Accounting II	4
ACC 374 Intermediate Managerial Accounting	2
<b><i>One of the following:</i></b>	
ACC 375 Managerial Cost Accounting	2
ACC 410 Federal Tax Accounting I	4
ACC 421 Advanced Accounting	2
ACC 460 Auditing	4
<b>TOTAL</b>	<b>12-14</b>
<b>MINOR TOTAL</b>	<b>20-22</b>

## ***BUSINESS ADMINISTRATION MINOR***

A minor in Business Administration is for those who wish to complement study in another area with a basic background in business. The minor consists of introductory courses in Economics, Accounting, and upper-division courses designed to acquaint the student with disciplines essential to business success.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ECO 102	Principles of Economics II	3
ACC 201	Principles of Financial Accounting	4
BUS 212	Principles of Management	4
	<b>TOTAL</b>	<b>11</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BUS 332	Principles of Marketing	4
	<i>Eight units selected from any upper-division course in Business.</i>	8
	<b>TOTAL</b>	<b>12</b>
	<b>MINOR TOTAL</b>	<b>23</b>

# ***INTERNATIONAL DEVELOPMENT STUDIES MINOR***

A minor in International Development Studies is for students who wish to complement study in another area with a basic background in economic development. Study in this discipline seeks to equip students in other majors to address the issues of material welfare that have an impact on their study of the issues facing disadvantaged populations.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ECO 101	Principles of Economics I *	3
ECO 102	Principles of Economics II *	3
MTH 203	Introduction to Statistics	3
<b>TOTAL</b>		<b>9</b>

*\*Fulfills the general education  
requirement in the Social World.*

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ECO 315	Theories of Economic Development	4
BUS 470	Nonprofit Organization Management	4
<b>Four units from:</b>		
BUS 301	Legal Environment of Business	4
BUS 332	Principles of Marketing	4
BUS 382	Entrepreneurship	2
BUS 489	Business Internship	2-4
ECO 320	Urban Economics	2
ECO 360	Public Finance	2
ECO 380	Money and Banking	4
ECO 440	Racial and Gender Issues in Economics and Education	2
ECO 490	Special Studies in Economics	4
POL 230	Introduction to International Relations	4
POL 420	United States Foreign Policy	4
POL 435	Global Governance	4
POL 450	Issues of Global Human Rights	2
SOC 350	Urban Sociology	3
<b>TOTAL</b>		<b>12</b>
<b>MINOR TOTAL</b>		<b>21</b>

# ***NONPROFIT ORGANIZATION MANAGEMENT MINOR***

A minor in Nonprofit Organization Management is for students who wish to complement study in another area with a basic background in managing nonprofit organizations. The program consists of introductory courses in Economics and Accounting, and upper-division courses in Business designed to acquaint the student with a few essentials of nonprofit organization management.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ECO 102 Principles of Economics II *	3
ACC 201 Principles of Financial Accounting	4
BUS 212 Principles of Management	4
<b>TOTAL</b>	<b>11</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BUS 470 Nonprofit Organization Management	4
<i>Eight units selected from any upper-division course in Business.</i>	8
<b>TOTAL</b>	<b>12</b>
<b>MINOR TOTAL</b>	<b>23</b>

## ***PUBLIC RELATIONS MINOR***

The minor in Public Relations is interdepartmental with the Fermanian School of Business, the Department of Literature, Journalism, and Modern Languages, and the Department of Communication and Theatre.

### **REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BUS 332 Principles of Marketing	4
COM 330 Persuasion	3
COM 390 Introduction to Public Relations	3
COM 405 Public Relations Cases and Campaigns	3
WRI 250 Introduction to Journalism	3
WRI 355 Public Relations Writing	3
<b>MINOR TOTAL</b>	<b>19</b>

# ACCOUNTING COURSES

## Lower-Division

### ACC 201 (4) PRINCIPLES OF FINANCIAL ACCOUNTING

The theory and practice of accounting applicable to measuring, recording and reporting business transactions for external uses. Topics covered include short-term liquid assets, merchandising operations, inventories, long-term assets, current and long-term liabilities, corporate capital accounts, and the statement of cash flows. Recommended for sophomores. Laboratory accompanies course. Offered fall and spring semester.

*Prerequisites: All department majors must have a personal notebook computer on entry into Accounting 201. Specific hardware requirements are available from the Fermanian School of Business.*

### ACC 202 (4) PRINCIPLES OF MANAGERIAL ACCOUNTING

The study of information systems for management accounting, the analysis of accounting information for planning and management decision making, and the use of various performance measurement and evaluation techniques. Recommended for sophomores. Laboratory accompanies course. Offered fall and spring semester.

*Prerequisite: Accounting 201*

## Upper-Division

### ACC 370 (4) INTERMEDIATE ACCOUNTING I

A review of the accounting reporting process with in-depth study of generally accepted accounting principles as they relate to asset, liability, and their related income statement accounts. Time value concepts and the recognition of revenue also are studied. Offered fall semester.

*Prerequisites: Accounting 202, Computer Science 122 or 132 or equivalent, and Mathematics 123 or equivalent.*

### ACC 371 (4) INTERMEDIATE ACCOUNTING II

Study and analysis of stockholders' equity and special accounting problems, including accounting for investments, dilutive securities, income taxes, pensions and post-retirement benefits, and leases. A study of accounting for business combinations and consolidated financial statements is also included. Offered spring semester.

*Prerequisite: Accounting 370.*

### ACC 374 (2) INTERMEDIATE MANAGERIAL ACCOUNTING

A study of the statement of cash flows, financial statement analysis, cost-volume-profit and breakeven analysis, and profit planning. Offered fall and spring semester.

*Prerequisites: Accounting 202, Mathematics 123 or equivalent.*

### ACC 375 (2) MANAGERIAL COST ACCOUNTING

A study of basic cost accounting concepts and procedures, with emphasis on the development, interpretation, and application of managerial accounting information for planning, control, and decision making. Offered spring semester.

*Prerequisite: Accounting 202.*

### ACC 410 (4) FEDERAL TAX ACCOUNTING I

A study of the basic federal income tax laws as they relate primarily to individuals. Emphasis on gross income, deductions, depreciation and cost recovery, gains and losses, passive activities, and tax planning. Offered fall semester.

*Prerequisite: Accounting 202.*

### ACC 411 (2) FEDERAL TAX ACCOUNTING II

A study of federal income tax laws as they relate to corporations, partnerships, tax exempt entities, and estates and trusts. International transactions, tax planning, and tax administration are discussed. Offered fall semester.

*Prerequisite: Accounting 410.*

### ACC 421 (2) ADVANCED ACCOUNTING

A study of accounting for government, not-for-profit, partnership, and multinational entities, and other special topics. Offered spring semester.

*Prerequisite: Accounting 371.*

### ACC 460 (4) AUDITING

A study of the attest function of independent public accountants, with emphasis on the philosophy of auditing, auditing standards, professional conduct, legal liability, internal control, audit evidence and techniques, and accountants' reporting responsibilities. Some

business law topics related to the Uniform Commercial Code, agency law, and other selected topics are included. Offered spring semester.

*Prerequisite: Accounting 371 or consent of instructor.*

**ACC 489 (1-2) INTERNSHIP IN ACCOUNTING**

On-the-job participation involving decision making and problem solving using techniques, skills, and knowledge acquired in the classroom. May be repeated for a maximum of four units. Graded Credit/No Credit.

*Prerequisites: Senior standing and consent of the dean and faculty in the Fermanian School of Business.*

**ACC 490 (2) SPECIAL TOPICS IN ACCOUNTING**

Study in a special topic to be determined by the department. Open to juniors and seniors only. May be repeated for a maximum of four units.

*Prerequisite: Consent of instructor.*

**ACC 491 (1-2) INDEPENDENT STUDIES IN ACCOUNTING**

An intensive study of a selected problem under the direction of an instructor. Qualified students as well as the proposal for the study must be approved by departmental instructor(s) and the department chair. Course is open to upper-division students. May be repeated for a maximum of four units.

*Prerequisite: Consent of instructor.*

# ***BUSINESS COURSES***

## ***Lower-Division***

### **BUS 212 (4) PRINCIPLES OF MANAGEMENT**

A study of the manager's role in the organization, including the tasks of planning, organizing, leading, and controlling. Attention to managerial implications of social responsibility and international management. Students undertake a group project, applying the theory and computer technology to a task. Offered fall and spring semester.

### **BUS 213 (4) ADMINISTRATIVE COMMUNICATION**

The fundamentals of business writing are applied to the writing of letters and memos in typical basic business situations such as good news, neutral situations, and bad news as well as specific situations such as persuasion and sales writing. A traditional and scannable résumé is written as well as other job search correspondence. The fundamentals of report writing are applied during the development of a personal portfolio. Technology and crosscultural communication is integrated throughout the course. Informal oral communication, public speaking and oral reporting, instruction in and the use of presentation software are practiced. Offered fall and spring semester.

*Prerequisite: Writing 110 or equivalent.*

## ***Upper-Division***

### **BUS 301 (4) LEGAL ENVIRONMENT OF BUSINESS**

A comprehensive overview of legal issues encountered in business including the legal system, business organization, contracts, torts, real and personal property, legal remedies, trusts, international topics, and governmental regulation. Offered fall and spring semester.

### **BUS 332 (4) PRINCIPLES OF MARKETING**

The role of marketing in society and in the organization; construction of a formal marketing plan, including choice of target market, product development, pricing, distribution, and promotion; social, legal, and ethical dimensions of marketing; marketing in the global economy; marketing and the internet. Offered fall and spring semester.

*Prerequisites: Junior or Senior standing.*

### **BUS 334 (4) PROFESSIONAL SELLING AND SALES MANAGEMENT**

Overview of the role of a sales person and of the sales function. Development and execution of sales presentation with attention to prospecting, sales call planning, the approach, the presentation, negotiation, closing and after-sale follow-up and service. Selected sales management topics include recruiting, training, motivating, and evaluating salespeople, as well as ethical issues and perspectives. Offered fall semester.

*Prerequisite: Business 332 or consent of instructor.*

### **BUS 336 (4) ADVERTISING AND PROMOTION MANAGEMENT**

The planning, execution and evaluation of integrated marketing communication campaigns. Topics include media strategy, creative strategy, ethical issues, international considerations, consumer response to elements of the promotion mix, and perspectives on managing creative endeavors. Development and presentation of an integrated marketing communication plan is required. Offered spring semester.

*Prerequisite: Business 332 or consent of instructor.*

### **BUS 340 (4) REAL ESTATE PRINCIPLES AND PRACTICES**

Economics of the real estate market, real property, ownership and transfer of real property including deeds, mortgages, escrow, title insurance, appraisal techniques, financing methods, leases, development, management, and agency. Satisfies educational requirement for real estate broker's license. Offered fall semester.

*Prerequisite: Economics 102.*

### **BUS 374 (4) HUMAN RESOURCE MANAGEMENT**

A study of organizational behavior, selection procedures, performance appraisal, compensation, industrial relations, human factor engineering, and consumer behavior applications of psychological theory and research. Offered fall semester.

*Prerequisites: Mathematics 203 and Business 212 or Psychology 390.*

### **BUS 382 (2) ENTREPRENEURSHIP**

Emphasis on planning and research necessary for successful start-up and expansion of a small business. Course includes visits to entrepreneurships, financial planning using computer spreadsheet, and preparation of a formal business plan. Offered fall and spring semesters.

*Prerequisite: Accounting 201 or consent of instructor.*

### **BUS 410 (4) BUSINESS FINANCE**

To acquire the capabilities to function as a financial manager, that is, to integrate an understanding of the techniques, concepts and analysis of finance. The course is designed to build on the student's knowledge of accounting, economics and math. Topics include financial planning and cash budgeting, the role of financial markets and interest rates, discounted cash flow analysis and capital budget techniques, capital structure and leverage, dividend policy and international business finance. Offered fall and spring semester. *Prerequisites: Economics 102, Accounting 374, Mathematics 123 or equivalent, Mathematics 203.*

**BUS 411 (4) INVESTMENTS**

Finance from the point of view of the investor. Topics include financial statement analysis, securities markets and instruments, portfolio theory, fixed income securities, equity and derivative assets, including options and futures. Technical preparation for certified financial planning license. Offered spring semester. *Prerequisites: Mathematics 123 or equivalent, Mathematics 203, Economics 102 and Accounting 202.*

**BUS 412 (4) LEADERSHIP**

An investigation and review of a wide variety of leadership concepts, practices and theories. Includes an examination of biblical leadership; the role of leadership in organizations; the historical examination of various leadership models; and the contributions of leaders to a modern society. Case studies, special guest speakers, exercises, and group projects facilitate the practical application of leadership by students. Offered spring semester.

*Prerequisite: Junior or Senior standing.*

**BUS 423 (4) INTERNATIONAL BUSINESS COMMUNICATION**

Study of organizational and interpersonal communication and negotiation skills needed in an integrated world economy. The specific needs of any international (or domestic multicultural) business interaction are studied by isolating and evaluating those aspects of culture most likely to affect communication in a business setting. These aspects are language, environment and technology, social organization, contexting, authority conception, nonverbal communication, and temporal conception. The course is activity-oriented and uses technology to exchange business messages internationally.

*Prerequisite: Business 213.*

**BUS 432 (4) RESEARCH METHODS IN BUSINESS**

A study of methods used to gather and use information in business settings. Topics include identifying and defining business problems, designing instruments to gather problem-specific information, implementing information gathering efforts, analyzing information, interpretation of results and generating proposed solutions. Offered spring semester.

*Prerequisites: Mathematics 203 and Junior or Senior standing.*

**BUS 470 (4) NONPROFIT ORGANIZATION MANAGEMENT**

Application of management principles to nonprofit organizations, including managing volunteers, advising board of directors, accounting, investment, financial management, marketing, fund raising, ethics and responsibility to society and donors. Offered fall semester. *Prerequisite: Business 212 or consent of instructor.*

**BUS 480 (4) INTERNATIONAL BUSINESS**

An overview of challenges and opportunities in international business. Students research one region in depth for development of a business proposal. Attention to crosscultural issues in management and marketing, and business ethics in international settings. Offered spring semester.

*Prerequisites: Business 212.*

**BUS 484 (4) OPERATIONS MANAGEMENT**

An analysis of the information support systems which aid the manager in the decision-making process. Topics include mathematical and computer models for production and operations management, allocation of resources, planning, and financial analysis. Crosslisted as ISS 484.

*Prerequisite: Mathematics 203 or 364.*

**BUS 486 (2) SMALL BUSINESS INSTITUTE**

Student teams work as consultants to small businesses to develop solutions to business problems, write business plans and consider strategy and policy issues. Offered fall and spring semesters.

*Prerequisites: Senior standing and consent of instructor.*

**BUS 488 (4) STRATEGIC MANAGEMENT**

This course serves as a capstone experience for business students. It seeks to integrate the diverse areas of business study through formal instruction, case analysis and in-depth analysis of a current problem facing a local business organization. Classroom instruction focuses on the strategic management/business policy development process. A formal team presentation of a problem solution to the business owner is required for successful completion. Offered fall and spring semester.

*Prerequisites: Business 410 or Accounting 371 (concurrent enrollment acceptable) and Senior standing.*

**BUS 489 (1-4) INTERNSHIP IN BUSINESS**

On-the-job participation involving decision making and problem solving using techniques, skills and knowledge acquired in the classroom. May be repeated for a maximum of six units. Graded Credit/No Credit. Offered fall, spring and summer semesters.

*Prerequisites: Business 213. Senior or Junior standing and consent of instructor.*

**BUS 490 (4) SPECIAL TOPICS IN BUSINESS ADMINISTRATION**

Study in a special topic to be determined by the department. May be repeated for a maximum of eight units.

*Prerequisites: Senior or Junior standing and consent of instructor.*

**BUS 491 (1-2) INDEPENDENT STUDIES IN BUSINESS**

An intensive study of a selected problem under the direction of an instructor. Qualified students as well as the proposal for the study must be approved by school instructor(s) and the school dean. May be repeated for a maximum of four units.

*Prerequisites: Course is open to upper-division majors in the school with consent of instructor.*

# ***ECONOMICS COURSES***

## ***Lower-Division***

### **ECO 101 (3) PRINCIPLES OF ECONOMICS I–GE**

Fundamental principles governing production, distribution, and exchange of wealth with emphasis on current economic problems. This course is the macroeconomic approach, emphasizing national income determination, fiscal policy, monetary policy and economic stabilization policy, international linkages, balance of payment issues, exchange rate determination and international trade. Offered fall and spring semester.

*Prerequisite: Mathematics 099 or equivalent.*

### **ECO 102 (3) PRINCIPLES OF ECONOMICS II–GE**

Fundamental principles governing production, distribution, and exchange of wealth with emphasis on current economic problems. This course is the microeconomic approach, emphasizing consumer choice theory, decision making of firms based on costs and revenues, income determination and distribution, market structures, market failures, the economic role of government in a mixed economy, and comparative economic systems. Offered fall and spring semester.

*Prerequisite: Mathematics 099 or equivalent.*

## ***Upper-Division***

### **ECO 315 (4) THEORIES OF ECONOMIC DEVELOPMENT**

The course, theories of economic development, introduces students to the contents of the theory and practice of economic development. While studying this course, students are not only exposed to the orthodox theories and models of development, but also gain deeper insights into the significance of the quality of the human factor (HF) to development and underdevelopment. Offered spring semester.

*Prerequisites: Economics 101 and 102 or consent of instructor.*

### **ECO 320 (2) URBAN ECONOMICS**

Analytical tools of economics are used to explain the spatial and economic organization of cities and metropolitan areas. Urban problems such as poverty, slums, housing, crime, congestion, pollution, urban renewal, and finance are identified. Empirical evidence is examined and effective policy solutions discussed.

*Prerequisites: Economics 102, Mathematics 123.*

### **ECO 360 (2) PUBLIC FINANCE**

An interdisciplinary study of the revenues and expenditures of federal, state, and local governments. Effects on the global and national economies of public spending, debts and taxation, financing social security, and other services. Special emphasis on current events and issues.

*Prerequisite: Economics 101 or Political Science 165.*

### **ECO 380 (4) MONEY AND BANKING**

The functions of money, credit and banking in the economic system, monetary standard, banking and monetary theory, central banking, and government fiscal policies. Offered spring semester.

*Prerequisite: Economics 101.*

### **ECO 410 (4) INTERNATIONAL ECONOMICS**

This course presents detailed treatment of theories and models of international trade, rationale for barriers to trade, government trade policies, international trade agreements and organizations, balance of payments, exchange rate regimes, currency unions, and foreign debt issues. Also listed as Political Science 437. Offered spring semester.

*Prerequisites: Economics 101 and 102.*

### **ECO 440 (2) RACIAL AND GENDER ISSUES IN ECONOMICS AND EDUCATION–WS**

A study of social issues pertaining to race and gender in economics and education. The economic status of different races and genders are examined, and the impact of educational opportunity on races, genders, and economic status are discussed. The extent to which discrimination inhibits educational opportunity and economic status is considered.

*Prerequisite: Junior or Senior standing.*

*Recommended: Economics 102 or Education 300.*

### **ECO 450 (4) HISTORY OF ECONOMIC THOUGHT**

A study of the history of the development of major concepts of economic analysis and theory. Emphasis is placed on the role of the economic, political, social, and religious environments in the development of economic thinking and analysis. Consideration is given to the major economic theorists and how biblical concepts influence their thinking. Offered fall semester.

*Prerequisites: Economics 101 and 102.*

**ECO 460 (4) APPLIED ECONOMETRICS**

Applications of regression analysis to understanding the relationships between underdevelopment and development and the causal factors. Students learn about estimation techniques and how to apply their results to making inferences that may form the foundation for development planning and economic policy. Data problems such as multicollinearity, heteroskedasticity, autocorrelation, missing values, are discussed. Offered spring semester.

*Prerequisite: Mathematics 203.*

**ECO 470 (4) CONTEMPORARY DEVELOPMENT PLANNING**

This course focuses on extensive study, evaluation, and analysis of the various approaches to development planning and policy from a historical perspective. As such, the course uses as case study materials the development plans of various developing countries. A selection of actual development plans and policies from different regions of the world are studied, analyzed, and critically evaluated on the basis of their performance effectiveness—the extent to which they were successful in dealing with social, economic, and political problems. This evaluation process also takes a detailed look at the extent to which these plans either focused on or ignored people development. Offered fall semester.

**ECO 490 (4) SPECIAL STUDIES IN ECONOMICS**

Study in a special topic to be determined by the faculty of the Fermanian School of Business. May be repeated for a maximum of eight units.

*Prerequisite: Open to Juniors and Seniors only. Consent of instructor.*

**ECO 491 (1-2) INDEPENDENT STUDIES IN ECONOMICS**

Study in a special topic to be determined by the department. May be repeated for a maximum of four units. Does not fulfill upper-division Economics requirements for the major in Business Administration.

*Prerequisite: Open to Juniors and Seniors only. Consent of instructor.*

# CHEMISTRY

## Purposes

- To prepare students for entrance into graduate school and eventually for professional work in chemistry or related fields;
- To prepare students, who don't wish to attend graduate school, to enter the field of industrial chemistry immediately after graduation;
- To prepare students to teach chemistry or physical science at the secondary education level;
- To provide students with the opportunity to participate as partners with their professors in nationally reported research projects;
- To provide students with a general knowledge of chemistry and its relation to society.

## Tradition of Excellence

The strength and reputation of the Chemistry program has been well established over the past 45 years. Quality classroom instruction coupled with personal contact with caring faculty lays the foundation for students' success. Small classes and deliberate faculty mentoring provide students the knowledge and confidence to pursue their career goals. At PLNU, the faculty understand that chemistry is a laboratory science, and almost all courses in the major have a significant laboratory component. Students become very familiar with the instrumental tools of modern chemical investigation.

Undergraduate research has, and continues to be, the hallmark of the Chemistry department. Over 230 students have had the opportunity to work side by side with university faculty in the summer research programs. Results of these studies are published in peer-reviewed professional journals with students included as co-authors. Over 90 such articles have been published since 1965 as part of the Chemistry department undergraduate research program. Most importantly, students learn to think like scientists as they tackle their own research project. Undergraduate research requires funding and the Chemistry faculty has been very successful in competing for public and private grants (the total exceeds \$2 million). As remarkable evidence of loyalty and support, Department alumni also contribute nearly \$30,000 annually to partially fund the kind of research from which they themselves benefited. Students, faculty, and alumni connect in significant ways to make chemistry education at PLNU a respected and vital experience.

## Career Opportunities

The professional success of graduates in the Department of Chemistry attests to the quality of the program. More than 80 percent of students who apply to medical schools are accepted (almost twice the national average). Higher percentages are accepted into Ph.D. programs in Chemistry and related fields. PLNU alumni can be found on the faculty of numerous medical schools and universities. They are also making important contributions in school classrooms and industrial labs. The same quality undergraduate education is offered to all students, and the department is proud of each achievement.

## Majors

Chemistry  
Biology-Chemistry  
Environmental Science B.S.

## Courses

### Faculty

Sara Yu Choung, Ph.D.  
*University of California, Berkeley*

Victor L. Heasley, Ph.D.  
*University of Kansas*

Kenneth A. Martin, Ph.D., Chair  
*University of Kansas/Wichita State University*

Dale F. Shellhamer, Ph.D.  
*University of California, Santa Barbara*

Gary L. N. Smith, Ph.D.  
*University of Oklahoma*

Anjanette J. Turbiak, M.S.  
*University of Notre Dame; Carnegie Mellon University*

# ***BIOLOGY-CHEMISTRY MAJOR***

## **Biology-Chemistry B.S.**

The interdepartmental major in Biology-Chemistry has been designed for those students whose academic needs and interests include both biology and chemistry. The major was instituted because a large segment of contemporary scientific investigation lies at the intersection of these two fields. Areas well served by this preparation include medicine, dentistry, and graduate disciplines such as biochemistry, physiology, and molecular biology.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 210	Cell Biology and Biochemistry	4
BIO 215	Animal Biology	4
CHE 151	General Chemistry Tutorial*	1
CHE 152	General Chemistry I	4
CHE 153	General Chemistry II	4
CHE 211	Analytical Chemistry	2
CHE 295	Organic Chemistry I	5
PHY 141	General Physics I	4
	<i>AND</i>	
PHY 142	General Physics II	4
	<i>OR</i>	
PHY 241	University Physics I	(4)
	<i>AND</i>	
PHY 242	University Physics II	(4)
MTH 144	Calculus with Applications	4
	<b>TOTAL</b>	<b>35-36</b>

*\*Course can be waived*

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 345	Genetics	4
BIO 380	Molecular Biology	3
BIO 497	Biology Seminar	1
CHE 300	Organic Chemistry II	2
CHE 325	Physical Chemistry I	5
CHE 351	Organic Qualitative Analysis	2
CHE 466	Advanced Inorganic Chemistry	2
CHE 326	Physical Chemistry II	2
	<i>OR</i>	
CHE 370	Instrumental Analysis	(2)
	<i>OR</i>	
CHE 453	Advanced Organic Chemistry	(2)
BIO 450	Advanced Biochemistry	4
	<i>OR</i>	
CHE 450	Advanced Biochemistry	(4)
	<b>Three courses from:</b>	
BIO 300	Biomathematics and Bioinformatics	2
BIO 315	Microbiology	3
BIO 350	Advanced Cell Biology	3
BIO 390	Immunology	3
BIO 400	Developmental Biology	3
BIO 420	Vertebrate Physiology	3
	<b>TOTAL</b>	<b>33-34</b>
	<b>MAJOR TOTAL</b>	<b>68-70</b>

# CHEMISTRY MAJOR

## Chemistry (B.S.)

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
CHE 151	General Chemistry Tutorial *	1
CHE 152	General Chemistry I	4
CHE 153	General Chemistry II	4
CHE 211	Analytical Chemistry	2
CHE 295	Organic Chemistry I	5
PHY 241	University Physics I	4
PHY 242	University Physics II	4
MTH 144	Calculus with Applications	4
MTH 131	Computer-Aided Calculus OR	1
MTH 164	Calculus I	(4)
MTH 174	Calculus II	4
	<b>TOTAL</b>	<b>31-33</b>

\*Course can be waived

### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
CHE 300	Organic Chemistry II	2
CHE 325	Physical Chemistry I	5
CHE 326	Physical Chemistry II	2
CHE 327	Physical Chemistry II Lab	1
CHE 351	Organic Qualitative Analysis	2
CHE 370	Instrumental Analysis	2
CHE 450	Advanced Biochemistry	4
CHE 453	Advanced Organic Chemistry	2
CHE 454	Advanced Organic Chemistry Lab	1
CHE 466	Advanced Inorganic Chemistry	2
CHE 467	Advanced Inorganic Chemistry Lab	1
CHE 475	Special Topics in Chemistry	2
CHE 495	Chemistry Seminar	1
	<i>Science and/or Math electives approved by department chair (200 level or higher).</i>	6
	<b>TOTAL</b>	<b>33</b>

### RECOMMENDED

COURSE	TITLE	UNITS
CHE 499	Chemistry Research	1-2
MTH 274	Calculus III	4
MTH 232	Linear Algebra	2

# ENVIRONMENTAL SCIENCE MAJOR

## Environmental Science (B.S.)

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
<b>Biology:</b>		
BIO 102	Environment and People OR	4
BIO 105	Ecology and Conservation	(4)
BIO 210	Cell Biology and Biochemistry	4
BIO 215	Animal Biology	4
<b>Chemistry:</b>		
CHE 151	General Chemistry Tutorial*	1
CHE 152	General Chemistry I	4
CHE 153	General Chemistry II	4
CHE 153	General Chemistry II	4
CHE 211	Analytical Chemistry	2
CHE 295	Organic Chemistry I	5
<b>Mathematics:</b>		
MTH 144	Calculus with Applications	4
<b>Choose one sequence:</b>		8
<b>Physics:</b>		
PHY 141-142	General Physics I-II	
PHY 241-242	University Physics I-II	
<b>Choose one of three:</b>		3
<b>Sociology:</b>		
SOC 201	Cultural Anthropology	
<b>Economics:</b>		
ECO 101	Principles of Economics I	
ECO 102	Principles of Economics II	
<b>TOTAL</b>		<b>43**</b>

\*Course can be waived

\*\*Lower-division units = 47 if Political Science 230 is taken as one of "Other Related Electives" listed below.

### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
BIO 345	Genetics	4
BIO 360	Ecology	3
BIO 497	Biology Seminar	1
CHE 370	Instrumental Analysis	2
MTH 362	Calculus Based Statistics	2
<b>TOTAL</b>		<b>12</b>

### Upper-Division Electives

A minimum of 8 units of upper-division electives are required from approved environmental off-campus programs. Both departmental chairs

*(Biology and Chemistry) or their designees are responsible for approving all off-campus courses. At least one-half of upper-division units in the major must be taken at PLNU.*

**Advanced Science Electives (8 units minimum)**

*One of more approved off-campus environmental course(s) may fulfill part or all of this requirement.*

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 310	General Botany	3
BIO 315	Microbiology	3
BIO 320	Marine Zoology	3
BIO 325	Insect Biology	3
BIO 330	Marine Invertebrate Zoology	2
BIO 340	Field Biology	2
BIO 370	Marine Plant and Microbial Life	2
BIO 410	Vertebrate Biology	3
BIO 420	Vertebrate Physiology	3
BIO 430	Animal Behavior	3
CHE 450/ BIO 450	Advanced Biochemistry	4
CHE 300	Organic Chemistry II	2
CHE 325	Physical Chemistry I	5
CHE 351	Organic Qualitative Analysis	2
CHE 466	Advanced Inorganic Chemistry	2
CHE 475	Special Topics in Chemistry	2

**Other Related Electives (9 units minimum)**

*Students can customize their degree by taking any combination of courses from the two categories below. One or more approved off-campus environmental course(s) may fulfill part or all of this requirement.*

**Methodology:**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CHE 490	Internship in Chemistry	1-3
CHE 499	Research in Chemistry	1-3
BIO 490	Internship in Biology	1-3
BIO 499	Research in Biology	1-3

**Public Policy and Stewardship:**

POL 230	Introduction to International Relations	4
POL 394	Governments and Politics of the Global South	4
POL 441	Issues in Public Policy	4
PHL 451	Religion and Science	3

**Upper-Division Elective Total**      **25-29\***

**Bachelor of Science Total**      **72\*\***

*\* Upper-division units = 25 if Political Science 230 is taken as one of the "Other Related Electives" listed above.*

*\*\*14 units meet general education requirements.*

# CHEMISTRY COURSES

## Chemistry Courses

### Lower-Division

#### **CHE 101 (4) CHEMISTRY AND SOCIETY–GE**

Designed to introduce non-science students to the major ideas of modern chemistry and their relevance in contemporary society. Chemical principles are examined and applied to areas such as nutrition, medicine, agriculture, pollution, and energy issues. (Meets a general education requirement; does not count toward the Chemistry major.)

*Prerequisite: Mathematics 099 or equivalent.*

#### **CHE 103 (5) INTRODUCTION TO GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY–GE**

Examination of those aspects of inorganic and organic chemistry that are pertinent to biology and chemistry. Examines the structures and metabolic reactions of biomolecules. Provides a background for nursing, family and consumer sciences and physical education majors. (Meets a general education requirement; does not count toward the Chemistry major.) One three-hour laboratory each week.

*Corequisite: Mathematics 099 or equivalent.*

#### **CHE 151 (1) GENERAL CHEMISTRY TUTORIAL**

Tutorial session accompanying Chemistry 152. To reinforce problem solving skills necessary for the successful completion of General Chemistry. One hour per week. Can be waived by exam. Graded CR/NC.

*Corequisite: Chemistry 152.*

#### **CHE 152 (4) GENERAL CHEMISTRY I–GE**

Study of the basic principles of modern chemistry. Emphasis on atomic and molecular structure, chemical bonding, gas laws, states of matter, and solutions. One three and one-half-hour laboratory each week.

*Prerequisite: Satisfactory high school background or Chemistry 103 or Physical Science 110.*

*Corequisites: Mathematics 123 and Chemistry 151 unless both are waived.*

#### **CHE 153 (4) GENERAL CHEMISTRY II**

Study of the basic principles of modern chemistry. Emphasis on chemical kinetics and equilibrium, acid base theory, thermodynamics, solubility, metals, and general descriptive chemistry. One three and one-half-hour laboratory each week.

*Prerequisites: Chemistry 152.*

#### **CHE 211 (2) ANALYTICAL CHEMISTRY**

Examination of the theories and techniques of quantitative chemical analysis, with some emphasis on instrumental methods. Two four-hour laboratories each week. Offered on a Quad basis.

*Prerequisite: Chemistry 153.*

#### **CHE 295 (5) ORGANIC CHEMISTRY I**

Study of organic compounds by functional group families with emphasis on structures, reactions, mechanisms, stereochemistry, and synthesis. One four-hour laboratory each week.

*Prerequisite: Chemistry 153.*

### Upper-Division

#### **CHE 300 (2) ORGANIC CHEMISTRY II**

Examination of basic organic chemistry from a mechanistic perspective. Laboratory introduces microscale techniques. One four-hour laboratory each week. Offered on a Quad basis.

*Prerequisite: Chemistry 295.*

#### **CHE 325 (5) PHYSICAL CHEMISTRY I**

Study of classical thermodynamics as it is applied to physical and chemical systems. Includes discussion of the three laws and their application to thermochemistry, reaction energetics and chemical equilibrium. Reaction kinetics, transport phenomena and kinetic molecular theory are also investigated. One four-hour laboratory each week.

*Prerequisites: Chemistry 211, Physics 142 or 242, and Mathematics 144 or 164.*

#### **CHE 326 (2) PHYSICAL CHEMISTRY II**

Investigation of matter from a quantum chemistry perspective with particular emphasis on the theoretical concepts and their implications for chemical bonding theory and molecular spectroscopy. Offered on a Quad basis.

*Prerequisites: Chemistry 211, Physics 142 or 242, and Mathematics 144 or 164.*

#### **CHE 327 (1) PHYSICAL CHEMISTRY II LABORATORY**

Designed to accompany Chemistry 326. Molecular structure and interactions are investigated using spectroscopic methods including ultraviolet-visible and FT-infrared. One four-hour laboratory each week. Offered on a Quad basis.

*Corequisite: Chemistry 326.*

**CHE 351 (2) ORGANIC QUALITATIVE ANALYSIS**

Study of techniques used to identify organic compounds using physical and chemical properties, infrared and nuclear magnetic resonance spectroscopy, and mass spectrometry.

Two four-hour laboratories each week. Offered on a Quad basis.

*Prerequisites: Chemistry 300 and consent of instructor.*

**CHE 370 (2) INSTRUMENTAL ANALYSIS**

Analytical analysis using instruments such as gas chromatography, high performance liquid chromatography, ultraviolet-visible, FT-infrared and nuclear magnetic resonance spectroscopy, and mass spectrometry. Two four-hour laboratories each week. Offered on a Quad basis.

*Prerequisites: Chemistry 211 and consent of instructor.*

**CHE 450 (4) ADVANCED BIOCHEMISTRY**

Detailed analysis of protein and membrane structure. Includes quantitative approaches to the study of enzymes, catalytic mechanisms of enzymes, and a survey of the major metabolic pathways of carbohydrates, lipids, amino acids and nucleic acids. One three-hour laboratory each week. Also listed as Biology 450.

*Prerequisites: Biology 210 and Chemistry 295.*

**CHE 453 (2) ADVANCED ORGANIC CHEMISTRY**

Advanced study of organic reaction mechanisms including: the Hammett equation, isotope and substituent effects and orbital symmetry. Modern synthetic reactions are presented. Offered on a Quad basis.

*Prerequisite: Chemistry 300 and consent of instructor.*

**CHE 454 (1) ADVANCED ORGANIC CHEMISTRY LABORATORY**

Designed to accompany Chemistry 453. Emphasis on modern synthetic methods and purification of complex reaction mixtures. One four-hour laboratory each week. Offered on a Quad basis.

*Corequisite: Chemistry 453.*

**CHE 466 (2) ADVANCED INORGANIC CHEMISTRY**

Development of the broad principles and theories of inorganic chemistry with emphasis on atomic structure, chemical bonding, acid-base theory, and the structural and dynamic features of inorganic compounds. Metal and non-metal substances are considered. Offered on a Quad basis.

*Prerequisites: Chemistry 300 or consent of instructor.*

**CHE 467 (1) ADVANCED INORGANIC CHEMISTRY LABORATORY**

Designed to accompany Chemistry 466. Emphasis on the synthesis and characterization of metallic and non-metallic compounds. One four-hour laboratory each week. Offered on a Quad basis.

*Prerequisite or corequisite: Chemistry 466.*

**CHE 475 (2) SPECIAL TOPICS IN CHEMISTRY**

Discussion of chemical topics of special relevance to students and faculty. Possible topics include: statistical thermodynamics, group theory and molecular spectroscopy, enzyme kinetics, photochemistry, organometallic chemistry, organofluorine chemistry, medicinal chemistry, electrophilic and radical additions, and mechanistic aspects of water chlorination. Offered on a Quad basis.

*Prerequisites: Chemistry 300 or consent of instructor.*

**CHE 490 (1-3) INTERNSHIP IN CHEMISTRY**

Authentic work experience in jobs that are oriented to the field of chemistry and that include some responsibility for decision making, problem solving, and the use of techniques, skills, and knowledge acquired in the classroom. May be repeated to a maximum of three units. Graded Credit/No Credit. Offered every year.

*Prerequisites: Junior or Senior standing. Consent of department chair and faculty advisor.*

**CHE 495 (1) CHEMISTRY SEMINAR**

Presentation of papers by students and visiting scholars, and attendance at off-campus seminars.

**CHE 499 (1-2) RESEARCH IN CHEMISTRY**

An independent investigation, under faculty supervision, of a specific problem at the frontier of a chemical field. Includes weekly discussion sessions. Open to juniors and seniors. May be repeated up to a maximum of four units.

*Corequisite: Chemistry 495 or consent of instructor.*

## Physical Science Courses

**PSC 103 (4) EARTH SCIENCE – GE**

An introductory survey of the disciplines of geology, oceanography, meteorology, and astronomy with discussion of philosophical and societal issues.

*Corequisite: Mathematics 099 or equivalent.*

**PSC 105 (4) THE COSMOS - GE**

An introduction to our place in the universe emphasizing religious, cultural and historic perspectives including modern developments in physics and astronomy. This is a non-laboratory course that meets the requirement in general education under the category of The Natural World.

*Prerequisite: Mathematics 099 or equivalent.*

**PSC 110 (4) PHYSICAL SCIENCE – GE**

An introductory survey of selected principles in physics and chemistry with a discussion of related societal and environmental issues. (Meets a general education requirement; does not count toward the Chemistry or Physics major.) One three-hour laboratory each week.

*Corequisite: Mathematics 099 or equivalent.*

# COMMUNICATION AND THEATRE

## Purposes

- To instruct students in the philosophy, content, methodology, skills, and responsibilities of communication;
- To provide specialized training for those entering communication-centered professions including: management, sales, public relations, training; broadcasting and electronic media; and theatre and the performing arts;
- To provide background courses for those desiring to enter communication related fields including ministry, law, education, government, social services, journalism, and graduate studies;
- To help students develop skills through involvement in a nationally competitive forensics program, internships in major corporations, law firms, radio and television stations, and professional theatre companies.

## Tradition of Excellence

The Department of Communication and Theatre is a comprehensive and dynamic department that prepares students for leadership in a variety of communication-intensive careers. Classroom instruction is enhanced by the smaller class sizes and individual attention from faculty who are committed to the academic and personal success of each student. There are five programs of study to choose from: Communication (general), Managerial and Organizational Communication, Theatre, Media Communication and an interdepartmental major in Broadcast Journalism. As a part of the curriculum, a 120-hour internship must be completed; often, internships can result in full-time jobs upon graduation.

## Career Opportunities

Experiences in the classroom are greatly enhanced by the department's co-curricular and professional opportunities. Point Loma Nazarene University has one of the most respected and award-winning speech and debate teams in the nation. The Theatre program has been the home for more than 115 stage productions in the last 30 years including *Hamlet*, *Romeo and Juliet*, *My Fair Lady*, *The Sound of Music*, *Waiting for Godot*, *You Can't Take It With You*, and *The Caucasian Chalk Circle*.

The department also supervises an on campus cable television channel – CCTV-3 and an Internet-based radio station, KPLR. Both stations are student-managed, creating original productions for on-campus audiences. The stations are based in well equipped facilities which include a multi-camera studio, digital audio and video editing, field production cameras and radio broadcast booths. Recent showcase productions include independent films, a game show and an all day Christmas music request show raising money for local charities. Students also have opportunities to work in PLNU publications such as the student newspaper, yearbook, and literary magazine.

Communication students seeking further academic opportunities have presented original research at professional conferences and gained successful admission into graduate schools.

A degree in Communication and Theatre can prepare a student for a career in media, communication and business, public relations, theatre and performing arts and other related careers in politics and government, law, social and human services, journalism, and ministry.

## Majors

Broadcast Journalism  
Communication  
    *Concentrations*  
    Societal Communication  
    Public Address  
Managerial and Organizational Communication  
Media Communication  
    *Concentrations*  
    Multimedia  
    Performance  
    Production  
    Film Studies  
Theatre

## Minors

Communication  
Media Communication  
Public Relations

Theatre

**Courses**

**Faculty**

Paul R. Bassett, M.F.A., J.D., Chair  
*Southern Methodist University*

Bob Brower, Ph.D.  
*University of Kansas*

Kathleen C. Czech, Ed.D.  
*University of Nevada, Reno*

G. L. Forward, Ph.D.  
*The Ohio State University*

Clark F. Greer, Ph.D.  
*Bowling Green State University*

Alan C. Hueth, Ph.D.  
*University of Dayton*

Skip Rutledge, Ph.D.  
*Regent University*

Walter O. Williams, Ph.D.  
*Regent University*

Ronda R. Winderl, Ph.D.  
*New York University*

# ***BROADCAST JOURNALISM MAJOR***

Point Loma Nazarene University offers a major in Broadcast Journalism, sponsored jointly by the Department of Communication and Theatre and the Department of Literature, Journalism, and Modern Languages. Students may direct their questions to either department.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 150	Introduction to Media Communication	3
COM 243	Introduction to TV and Film Production	3
COM 275	Audio Production	2
TRE 250	Voice and Diction	2
WRI 215	Newspaper Workshop	1
WRI 250	Introduction to Journalism	3
	<b>TOTAL</b>	<b>14</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 313	Television News Production	3
COM 413	Advanced Television News Production	3
COM 414	Long-Form Broadcast News	3
COM 425	Advanced Television Workshop (1)	2
WRI 312	Television Newswriting	3
WRI 340	Media Ethics and Law	3
WRI 430	Multimedia Journalism	3
WRI 470	Writing Internship OR	2
COM 421	Communication Internship	(3)
	<b>TOTAL</b>	<b>22-23</b>

*Note: Writing 312 and Communication 313 are corequisites and must be taken in the same semester.*

## **ELECTIVES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<b>Take two (2) courses from the following:</b>		
WRI 310	Advanced Reporting	3
WRI 313	Electronic Journalism	3
WRI 323	Creative Writing: Creative Non-Fiction	3
WRI 330	Photojournalism	3
WRI 350	Writing for the Mass Media	3
	One literature course beyond general education:	2-3
	<b>TOTAL</b>	<b>5-6</b>
	<b>MAJOR TOTAL</b>	<b>41-43</b>

# COMMUNICATION MAJOR

## LOWER-DIVISION CORE REQUIREMENTS

COURSE	TITLE	UNITS
COM 190	Interpersonal Communication	3
COM 195	Media Literacy	3
COM 220	Small Group Communication	3
COM 231	Argumentation and Debate	3
WRI 250	Introduction to Journalism	3
<b>TOTAL</b>		<b>15</b>

## UPPER-DIVISION CORE REQUIREMENTS

COURSE	TITLE	UNITS
COM 422	Portfolio Construction	1
COM 460	Rhetorical Theories and Models	3
COM 465	Communication Theories and Research	3
COM 485	Communication, Values, and Society	2
<b>TOTAL</b>		<b>9</b>

## UPPER-DIVISION ELECTIVES – 12 UNITS

COURSE	TITLE	UNITS
<b>Choose 12 units from:</b>		
COM 310	Nonverbal Communication	3
COM 312	Gender and Communication	3
COM 330	Persuasion	3
COM 365	Intercultural Communication	3
COM 390	Introduction to Public Relations	3
COM 490	Special Studies in Communication	3
<b>TOTAL</b>		<b>12</b>

## CONCENTRATIONS

**Choose Societal Communication Concentration OR Public Address Concentration**

### **Societal Communication**

#### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
<b>Choose one course from:</b>		
SOC 101	Introduction to Sociology**	3
SOC 201	Cultural Anthropology	3
<b>TOTAL</b>		<b>3</b>

*\*\*Meets a general education requirement.*

#### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
COM 421	Communication Internship	3
<b>Choose two (2) courses from:</b>		
COM 260	Advanced Public and Professional Speaking	3
PSY 320	Social Psychology	3
PSY 345	Group Dynamics	3
WRI 365	Technical and Business Writing	3
<b>TOTAL</b>		<b>9-10</b>

**Combined Core and Societal  
Communication Concentration  
Requirements;** 48-49  
**Lower Division = 15 Units**  
**Upper Division = 33-34 Units**

**Public Address**

**OTHER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 210/420	Communication Practicum I or II	4
COM 260	Advanced Public and Professional Speaking	3
COM 315	Oral Interpretation	3

***Choose one (1) course from:***

TRE 250	Voice and Diction	2
TRE 270	Acting I	3

**Combined Core and Public Address  
Concentration Requirements;** 45-49  
**Lower Division: 24-25 Units**  
**Upper Division: 21-24 Units**

# **MANAGERIAL AND ORGANIZATIONAL COMMUNICATION MAJOR**

## **LOWER-DIVISION CORE REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
ACC 201 Principles of Accounting I	4
ECO 102 Principles of Economics II**	3
COM 190 Interpersonal Communication	3
COM 220 Small Group Communication	3
MTH 203 Introduction to Statistics	3
<b>Lower-division units: (16 units excluding 3 counted toward general education).</b>	<b>13</b>

*\*\*Meets a general education requirement .  
Note: All majors take Communication 100 (3) as  
an additional general education requirement.*

## **UPPER-DIVISION CORE REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
COM 330 Persuasion	3
COM 340 Organizational Communication	3
COM 345 Management Communication	3
COM 421 Communication Internship	3
COM 422 Portfolio Construction	1
COM 465 Communication Theories and Research	3
COM 485 Communication, Values, and Society	2
<b>TOTAL</b>	<b>18</b>

**Take one (1) course from the following:**

<b>COURSE TITLE</b>	<b>UNITS</b>
COM 260 Advanced Public and Professional Speaking	3
WRI 365 Technical and Business Writing	3

**Take one (1) course from the following:**

COM 390 Introduction to Public Relations	3
COM 450 Communication Training and Development	2
COM 490 Special Studies in Communication	3

**Take two (2) courses from the following nine  
options:**

COM 365 Intercultural Communication	3
BUS 332 Principles of Marketing	4
BUS 334 Professional Selling and Sales Management	4
BUS 336 Advertising and Promotion Management	4
BUS 340 Real Estate Principles and Practices	4
BUS 374 Human Resource Management	4
BUS 470 Nonprofit Organization Management	4
HON 498/ Honors Project I and II (counts as one course)	3
HON 499	

**Upper-Division Units**            **29-35**  
**TOTAL UNITS REQUIRED**        **42-46\***  
**FOR MAJOR**

*\*Depending on specific courses  
selected and not including units  
counted toward general  
education requirements.*

# ***MEDIA COMMUNICATION MAJOR***

## **LOWER-DIVISION CORE REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 150	Introduction to Media Communication	3
COM 175	Scriptwriting for Television and Film	3
COM 195	Media Literacy	3
COM 243	Introduction to TV and Film Production	3
COM 275	Audio Production	2
WRI 215	Newspaper Workshop <i>OR</i>	1
WRI 216	Literary Magazine Workshop <i>OR</i>	(1)
WRI 217	Yearbook Workshop	(1)
	<b>TOTAL</b>	<b>15</b>

## **UPPER-DIVISION CORE REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 421	Communication Internship <i>(Not required for the Film Studies concentration)</i>	3
COM 422	Portfolio Construction	1
COM 465	Communication Theories and Research	3
COM 485	Communication, Values, and Society	2
	<b>TOTAL</b>	<b>9</b>

## **UPPER-DIVISION ELECTIVES**

### ***Choose nine (9) units from:***

COM 300	Narrative and Documentary Film	3
COM 340	Organizational Communication	3
COM 350	Electronic Media in Communication	3
COM 390	Introduction to Public Relations	3
COM 490	Special Topics in Communication	1-3
WRI 312	Broadcast News Writing	3
WRI 340	Media Ethics and Law*	3

*Students with a Film Studies concentration may also select the following two courses:*

COM 442	Field Production	2
COM 443	Studio Production	2
	<b>TOTAL</b>	<b>9</b>

## **WRITING ELECTIVES**

### ***Choose one (1) course from:***

WRI 220	Creative Writing: Mixed Genre	3
WRI 250	Introduction to Journalism	3
WRI 312	Television News Writing	3
WRI 322	Creative Writing:Fiction	3
WRI 323	Creative Writing: Nonfiction	3
	<b>TOTAL</b>	<b>3</b>

## **CONCENTRATIONS**

Choose one track and select electives among the choices.

### **Multimedia**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<i>Take a total of 8 units from:</i>		
ART 103	Two-Dimensional Design	3
ART 215	Introduction to Computer Graphics	3
ART 315	Introduction to Interactive Applications	3
ART 450	Advanced Concepts of Graphic Design: Interactivity	3
COM 420	Communication Practicum	1-2
	<b>TOTAL</b>	<b>8</b>

### **Performance**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<i>Take a total of 8 units from:</i>		
COM 231	Argumentation and Debate	3
COM 260	Advanced Public and Professional Speaking	3
COM 313	Television News Production	3
COM 420	Communication Practicum	1
COM 425	Advanced TV Workshop	1
COM 435	Advanced Audio Production	1
TRE 250	Voice and Diction	2
TRE 270	Acting I	3
	<b>TOTAL</b>	<b>8</b>

### **Production**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<i>Take a total of 8 units from:</i>		
COM 313	Television News Production	3
COM 420	Communication Practicum	1
COM 425	Advanced TV Workshop	1
COM 435	Advanced Audio Production	1
COM 442	Field Production	2
COM 443	Studio Production	2
TRE 436	Stagecraft Techniques	2
TRE 437	Lighting and Makeup	3
	<b>TOTAL</b>	<b>8</b>

### **Film Studies**

*NOTE: Student must be accepted into the LAFSC program in order to complete this concentration.*

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 470	Hollywood Production Workshop	3
COM 471	Theology in Hollywood	4
COM 472	Internship: Inside Hollywood	6
<i>Choose one of the following:</i>		
COM 473	Motion Picture Production	3
COM 474	Professional Screenwriting	3
COM 480	Independent Study	3
	<b>TOTAL</b>	<b>16</b>

# ***THEATRE MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
TRE 101	Introduction to Theatre**	2
TRE 204	Orientation to Theatre	3
TRE 250	Voice and Diction	2
TRE 270	Acting I	3
	<b>TOTAL</b>	<b>10</b>

*\*\*Meets a general education requirement.*

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
TRE 304	Theatre History	3
TRE 354	Movement I	3
TRE 370	Acting II	3
TRE 385	Directing	2
TRE 422	Portfolio Construction	1
TRE 436	Stagecraft Techniques	2
TRE 437	Lighting and Makeup Techniques	2
TRE 451	Movement II	3
COM 460	Rhetorical Theories and Models <i>OR</i>	3
COM 465	Communication Theories and Research	(3)
COM 485	Communication, Values, and Society	2
	<b>TOTAL</b>	<b>24</b>

***Choose 7 units from the following (at least 1 unit must be TRE 210)***

TRE 210	Theatre Practicum (3 units maximum)	1-3
TRE 420	Theatre Practicum II (6 units maximum)	2-6
	<b>TOTAL</b>	<b>7</b>

*Three additional upper-division units in  
Communication or Theatre, excluding  
Communication 420 or Theatre 420* 3

## **RECOMMENDED**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
TRE 350	Musical Theatre	3
TRE 490	Theatre and Drama in Great Britain	3
LIT 206	Great Works in a Literary Genre: Drama	2
LIT 361	World Drama and Poetry	3
	<b>TOTAL UNITS REQUIRED FOR MAJOR</b>	<b>44</b>

# COMMUNICATION MINOR

## LOWER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
<b>Choose two (2) courses from the following:</b>	
COM 190 Interpersonal Communication	3
COM 220 Small Group Communication	3
COM 231 Argumentation and Debate	3
COM 260 Advanced Public Speaking	3
<b>TOTAL</b>	<b>6</b>

## UPPER-DIVISION ELECTIVES

<b>Choose any four (4) courses from the following:</b>	
COM 310 Nonverbal Communication	3
COM 312 Gender and Communication	3
COM 315 Oral Interpretation	3
COM 340 Organizational Communication	3
COM 345 Management Communication	3
<b>TOTAL</b>	<b>12</b>
<b>MINOR TOTAL</b>	<b>18</b>

# ***MEDIA COMMUNICATION MINOR***

## **CORE REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
COM 150 Introduction to Media Communication	3
COM 175 Scriptwriting for Television and Film	3
COM 243 Introduction to TV and Film Production	3
COM 275 Audio Production	2
<b>TOTAL</b>	<b>11</b>

## **UPPER DIVISION ELECTIVES**

***Choose twelve (12) units from the following courses:***

COM 300 Narrative and Documentary Film	3
COM 350 Electronic Media Communication	3
COM 420 Communication Practicum II	1-2
COM 425 Television Workshop	1
COM 435 Advanced Audio Production	1
COM 442 Field Television Production	2
COM 443 Studio Television Production	2
COM 490 Special Topics in Media Communication	3
<b>TOTAL</b>	<b>12</b>
<b>MINOR TOTAL</b>	<b>23</b>

## ***PUBLIC RELATIONS MINOR***

The minor in Public Relations is interdepartmental with the Fermanian School of Business, the Department of Literature, Journalism, and Modern Languages, and the Department of Communication and Theatre.

### **REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BUS 332 Principles of Marketing	4
COM 330 Persuasion	3
COM 390 Introduction to Public Relations	3
COM 405 Public Relations Cases and Campaigns	3
WRI 250 Introduction to Journalism	3
WRI 355 Public Relations Writing	3
<b>MINOR TOTAL</b>	<b>19</b>

# *THEATRE MINOR*

## **CORE REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
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TRE 204 Orientation to Theatre	3
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TRE 270 Acting I	3
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<b>LOWER-DIVISION TOTAL</b>	<b>6</b>
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## **UPPER-DIVISION ELECTIVES:**

**Choose 12 units from the following courses:**

TRE 304 Theatre History	3
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TRE 354 Movement I	3
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TRE 370 Acting II	3
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TRE 436 Stagecraft Techniques	2
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TRE 437 Lighting and Makeup Techniques	2
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TRE 451 Movement II	3
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<b>UPPER-DIVISION TOTAL</b>	<b>12</b>
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<b>MINOR TOTAL</b>	<b>18</b>
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# COMMUNICATION AND THEATRE COURSES

## Communication

### Lower-Division

#### COM 100 (3) PRINCIPLES OF HUMAN COMMUNICATION—GE

A survey of the human communication process. Emphasis is placed on intrapersonal, interpersonal, and public communication. Particular attention is paid to the preparation and presentation of speeches. Offered fall and spring.

#### COM 150 (3) INTRODUCTION TO MEDIA COMMUNICATION

Explores the development and influences of mass media (books, newspapers, magazines; film; radio, television, and internet) in contemporary society. Considers the rights and responsibilities of producers and consumers of mass communication. Offered fall and spring.

#### COM 175 (3) SCRIPTWRITING FOR TELEVISION AND FILM

A survey of the process, forms, and techniques for writing scripts for television and film. This includes advertising, documentary, corporate training and promotion, magazine, sports, variety, drama, and comedy. Offered fall.

#### COM 190 (3) INTERPERSONAL COMMUNICATION

Focuses on the social scientific study of dyadic (two-person) communication. Opportunities are given to integrate theory and practice in an effort to stimulate self-awareness and highlight taken-for-granted aspects of interpersonal communicative behavior. Offered fall and spring.

#### COM 195 (3) MEDIA LITERACY

A critical approach to interpreting media messages is grounded in the study of how messages are constructed, how media industries function and how communication theory and research explain media impact on society. Emphasis is placed on making informed choices as a media consumer, and considering the impact of media from a Christian perspective. Offered fall and spring.

#### COM 210 (1-2) COMMUNICATION PRACTICUM I

Requirements vary according to the activity developed in consultation with the instructor. May be repeated up to a total of three units. Graded Credit/No Credit. Offered fall and spring.

#### COM 220 (3) SMALL GROUP COMMUNICATION

Analysis of the communicative behavior of group members. Theory, methods, and practical application in developing the art of communicating effectively in a variety of task-oriented groups. Offered fall and spring.

#### COM 231 (3) ARGUMENTATION AND DEBATE-GE

A study of the development of argumentation from classical rhetoricians to contemporary research theories. Practical application of this study through participation in debates and other forensic experiences. Offered each fall.

#### COM 243 (3) INTRODUCTION TO TV AND FILM PRODUCTION

Fundamentals of studio and field TV and film production. This includes basic technical and creative aspects of camera, lighting, sound, graphics, producing, directing, and editing. Group projects are viewed and critiqued by peers and the instructor for consideration of being included on the campus cable TV channel. Offered fall and spring.

#### COM 260 (3) ADVANCED PUBLIC AND PROFESSIONAL SPEAKING

Development of speaking skills for public and professional arenas, such as business, government, media, education and the ministry. Appropriate presentational technology is examined along with audience analysis and adaptation techniques. Offered every spring. *Prerequisite: Communication 100.*

#### COM 275 (2) AUDIO PRODUCTION

A basic course that provides students with skills in writing and production of audio content for radio (e.g., commercials, promotional announcements, PSAs), and TV and film (multi-track recording, mixing, and sound effects). Course deals with announcing acoustics, microphones, and remote broadcasts. Required for broadcast journalism majors and other students desiring to work at KPLR. Offered fall and spring.

### Upper-Division

#### COM 300 (3) NARRATIVE AND DOCUMENTARY FILM

A survey of narrative and documentary motion pictures, from Edison and Lumiere to the present. Course covers the historical, structural, technological, and aesthetic trends of motion pictures through the viewing and analysis of selected classic films that exemplify these trends. Course also includes readings and online

discussion about issues of Christian faith and film.

**COM 310 (3) NONVERBAL COMMUNICATION**

Theory and research on nonverbal aspects of speech communication, emphasizing the importance of time, space, body language, touch and vocalics. Offered each spring. *Prerequisite: Communication 100.*

**COM 312 (3) GENDER AND COMMUNICATION–WS**

A study of how the self-perception of men and women evolves as a function of cultural influences and the differences and similarities in the way each uses communication patterns. Offered spring 2010.

**COM 313 (3) TELEVISION NEWS PRODUCTION**

Combines principles of journalistic writing and reporting with field production techniques of television news. Students learn the basic concepts of reporting and producing a variety of television news stories, from simple anchor readers to complex packages. Offered in the fall semester of odd years.

*Prerequisites: Writing 250 and Communication 235.*

*Corequisite: Writing 312.*

**COM 315 (3) ORAL INTERPRETATION**

Analysis of techniques of oral interpretation to develop reading skills, with intensive practice in various literary forms (prose, drama, and poetry).

**COM 330 (3) PERSUASION**

Study of the social scientific theory and practice of persuasion. Persuasion is situated within the broader notion of influence. Topics include persuasion tactics, audience analysis and research, and modern advertising practices. Offered fall and spring.

**COM 340 (3) ORGANIZATIONAL COMMUNICATION**

A study of traditional, modern, and post-modern approaches to organizational communication as well as its functions, forms and consequences. Provides a theoretical overview of management theory and gives practical insights for communicating in a variety of organizations. Offered fall and spring.

**COM 345 (3) MANAGEMENT COMMUNICATION**

An in-depth analysis of the primary issues in management communication including leadership, conflict, decision-making, and ethics. Students explore the communication abilities, dilemmas, and challenges confronting organizational leaders. Offered spring 2010.

**COM 350 (3) ELECTRONIC MEDIA IN COMMUNICATION**

Critical examination of forces that shape the history and future of electronic media in the United States. Primary attention is given to the role of regulatory law, economics, and technology. Offered spring 2010.

*Prerequisite: Communication 150.*

**COM 365 (3) INTERCULTURAL COMMUNICATION**

A study of intercultural principles, processes, and topics including; verbal and nonverbal communication, perception, cultural values and expectations, and media impact. Students develop an increased awareness, understanding, and appreciation of other cultures.

**COM 390 (3) INTRODUCTION TO PUBLIC RELATIONS**

An introduction to the theory and practice of public relations. This includes public relations roles, publics, research, media relations, special events, and an introduction to cases and campaigns of public relations. This course considers the process of public information dissemination in business, educational, and nonprofit organizational settings. Offered every spring.

**COM 405 (3) PUBLIC RELATIONS CASES AND CAMPAIGNS**

This course involves the study and application of organizational policy objectives to public relations program development. It includes case studies from PR history as well as methods of audience research, data analysis and planning of strategic communication objectives. Students plan and execute a public relations program for an established organization.

*Prerequisite: Communication 390.*

**COM 413 (3) ADVANCED TELEVISION NEWS PRODUCTION**

Provides students with the theory and organization of newscasts, as well as skills in conducting live news remotes, coordinating newscasts, supervising news personnel, anchoring, using news production software, and applying advanced reporting skills in various news situations. Offered in the fall semester of even years.

*Prerequisites: Communication 313 and Writing 313.*

**COM 414 (3) LONG-FORM BROADCAST NEWS**

Focuses on the development of skills at in-depth storytelling through radio and television news production. Students learn to research, script, and produce stories, while applying aural and visual news presentation techniques. Offered in the spring semester of odd years.

*Prerequisites: Communication 313 and Writing 313.*

**COM 420 (1-2) COMMUNICATION PRACTICUM II**

Continued application of communication concepts and skills. Requirements vary according to the activity developed in consultation with the instructor. Credit not applicable toward upper-division requirements in the department. May be repeated for up to a total of eight units. Graded Credit/NoCredit. Offered fall and spring.  
*Prerequisite: Prior university experience in applied communication activities.*

**COM 421 (3) INTERNSHIP IN COMMUNICATION**

Participation in an internship supervised by departmental faculty. May be repeated up to a total of six units. Graded Credit/No Credit. Offered fall and spring.  
*Prerequisite: Junior or Senior standing.*

**COM 422 (1) PORTFOLIO CONSTRUCTION**

Completion of a portfolio and supporting documentation for assessment and preparation for employment. Graded Credit/No Credit. Offered fall and spring.  
*Prerequisite: Consent of instructor.*

**COM 425 (1) ADVANCED TELEVISION WORKSHOP**

Planning, production and presentation of television programming for multiple audiences. Required of upper-division students working as staff for campus television channel. Group projects are viewed and critiqued by peers and the instructor for consideration of being included on the campus cable TV channel. May be repeated up to a total of six units. Offered fall and spring.  
*Prerequisite: Communication 243.*

**COM 435 (1) ADVANCED AUDIO PRODUCTION**

Required for broadcast journalism majors and students desiring to work at KPLR. Students are responsible for a minimum of 30-hours per semester of work, including music programming, news, sports, and station management. May be repeated up to a total of four units. Offered fall and spring.  
*Prerequisite: Communication 275.*

**COM 442 (2) FIELD TELEVISION PRODUCTION**

Television production and operations associated with field production including concepts and practices in scripting, producing, editing, and on-location directing with a single-camera format. Group projects are viewed and critiqued by peers and the instructor for consideration of being included on the campus cable TV channel. Offered spring 2010.  
*Prerequisite: Communication 225.*

**COM 443 (2) STUDIO TELEVISION PRODUCTION**

Television production and operations associated with studio production including concepts and practices in scripting, producing, and directing for multi-camera studio production. Group projects are viewed and critiqued by peers and the instructor for consideration of being included on the campus cable TV channel.  
*Prerequisite: Communication 225.*

**COM 450 (2) COMMUNICATION TRAINING AND DEVELOPMENT**

This course acquaints the prospective human resources trainer and/or consultant with the skills to design, implement, and assess communication instructional programs. Each participant in this experiential class develops a one-half day training program suitable for a professional audience.  
*Prerequisites: Junior or Senior standing.*

**COM 460 (3) RHETORICAL THEORIES AND MODELS**

Development of rhetorical theory and rhetorical criticism, from ancient Greece through the present, as mechanisms for generating and understanding public address. Offered fall 2009.

**COM 465 (3) COMMUNICATION THEORIES AND RESEARCH**

Survey of contemporary approaches to human communication emphasizing theory development, epistemological perspectives, meaning negotiation, and research methodology. Participants complete an original research project that is publicly presented in a poster session. Offered fall and spring.  
*Prerequisite: Junior or Senior standing.*

**COM 480 (3) INDEPENDENT STUDY**

This course may be setup by special request and arrangement. In order to be considered students may submit a portfolio and a project proposal. Students with approved projects will be appointed a mentor who is a professional in the Hollywood industry to supervise the project. Projects could include further development of a portfolio or reel, critical research, or a senior thesis project. The independent study option is not guaranteed and is intended for students with experience in a specific area of cinema or those needing to complete a senior project for graduation. The number of independent studies offered each semester is determined by Los Angeles Film Studies Center (LAFSC) faculty, the availability of a suitable mentor, and approval from the department chair.

**COM 485 (2) COMMUNICATION, VALUES, AND SOCIETY**

Senior seminar series focused on value-driven approaches to communication, applying a Christian perspective to real world contexts. Required of all majors in the department. Offered fall and spring.  
*Prerequisite: Senior standing.*

**COM 490 (1-3) SPECIAL STUDIES IN COMMUNICATION**

Intensive study of a selected problem by an individual or group in the field of communication and theatre under the direction of a member of the department. May be repeated up to a total of six units.  
*Prerequisite: Consent of instructor.*

**Theatre*****Lower-Division*****TRE 101 (2) INTRODUCTION TO THEATRE-GE**

Introductory theatre appreciation course. Historical and stylistic developments are studied as well as the elements of theatre. Includes basic terminology and instruction for aesthetic understanding of western theatre form. Offered fall and spring.

**TRE 204 (3) ORIENTATION TO THEATRE**

Entry level course for the student majoring in theatre as well as for those interested in a deeper understanding of the theatrical profession. Course includes study and discussion of critical issues within the arts as well as tours of local professional theatres, libraries, and bookstores. Offered each spring.

**TRE 210 (1-2) THEATRE PRACTICUM I**

Requirements vary according to the activity developed in consultation with the instructor. May be repeated up to a total of three units. Graded Credit/No Credit. Offered fall and spring.

**TRE 250 (2) VOICE AND DICTION**

Practical training in developing the speaking voice, articulation, and pronunciation through a variety of applications including stage, film, and broadcasting. Offered every spring.

**TRE 270 (3) ACTING I**

Development of basic acting techniques and vocabulary through exercises, character analysis, monologues, and scene work.

***Upper-Division*****TRE 304 (3) THEATRE HISTORY**

Creative study of theatre practice, trends, and styles from the Greeks to the present. Offered spring 2010.

**TRE 350 (3) MUSICAL THEATRE**

Exploration of the historical and theoretical approaches for this unique genre, as well as development of practical performance skills. Acting, directing, and choreographing is explored in workshop performances from representative musicals, in addition to attending and analyzing area productions. Offered spring 2010.

**TRE 354 (3) MOVEMENT I**

Introduction to the Laban "effort shaping" method. Essential for the study of mime, mask, and advanced stage movement techniques. Offered each fall.

**TRE 370 (3) ACTING II**

Advanced study of role interpretation, with emphasis on character analysis and scene work. Offered fall 2009.

*Prerequisite: Theatre 270.*

**TRE 385 (2) DIRECTING**

Consideration of aesthetic and technical aspects of stage directing. Focuses on script analysis and interpretation, conceptualization, and theatrical communication.

*Prerequisites: Theatre 270 and 354.*

**TRE 420 (1-2) THEATRE PRACTICUM II**

Prior university experience in applied theatre activities is required. Continued application of communication concepts and skills. Requirements vary according to the activity developed in consultation with the instructor. Credit not applicable toward upper-division requirements in the department. May be repeated for up to a total of eight units. Graded Credit/NoCredit. Offered fall and spring.

**TRE 421 (3) INTERNSHIP IN THEATRE**

Participation in an internship supervised by departmental faculty. May be repeated up to a total of six units.

Graded Credit/No Credit.

*Prerequisite: Senior standing or consent of instructor.*

**TRE 422 (1) PORTFOLIO CONSTRUCTION PRACTICUM**

Completion of portfolio and/or supporting documentation for evaluative instruments of performance assessment. Graded Credit/No Credit.

**TRE 436 (2) STAGECRAFT TECHNIQUES**

Study of production and stagecraft practice including selection of script, management, set and costume design and construction, props, and sound. Offered each spring.

**TRE 437 (2) LIGHTING AND MAKEUP TECHNIQUES**

Study of McCandless lighting theory and practice, as well as study of street and stage makeup techniques. Students complete practical exercises in design and application for both areas. Offered each spring.

**TRE 451 (3) MOVEMENT II**

Continuation of the Laban "effort shaping" method with emphasis on construction of a "movement piece."

*Prerequisite: Theatre 354.*

**TRE 490 (1-3) SPECIAL STUDIES IN THEATRE**

Intensive study of a selected problem by an individual or group in the field of theatre under the direction of a member of the department. May be repeated up to a total of six units. *Prerequisite: Consent of instructor.*

## **LOS ANGELES FILM STUDIES CENTER COURSES**

The Los Angeles Film Studies Center (LAFSC) is a selective, off-campus cooperative program sponsored by the Council for Christian Colleges and Universities (CCCU) in partnership with Point Loma Nazarene University. Students must meet academic requirements and exhibit Christian commitment in order to be recommended to the program by PLNU, and the final selection is made by LAFSC. The program is open to students from any field of study and credits may be counted toward completion of the Media Communication major.

The following courses are offered at LAFSC only and are available to full-time students who have been accepted into the off-campus program:

**COM 470 (3) HOLLYWOOD PRODUCTION WORKSHOP**

A series of lecture/discussions focused on the development and integration of a Christian world-view as it relates to the Hollywood entertainment industry.

**COM 471 (4) THEOLOGY IN HOLLYWOOD**

A study of the relationship between film and popular culture, with emphasis on Christianity's role in these arenas. The course examines how faith, film, and culture mutually influence one another.

**COM 472 (3/6) INTERNSHIP: INSIDE HOLLYWOOD**

Students participate in an internship experience in some aspect of the Hollywood film or television industry. These are non-paying positions primarily in an office setting such as development companies, agencies, personal management companies, production offices, etc. Orientation to the internship includes an overview of the creative and operational aspects of the Hollywood entertainment business, including the role of the Christian in entertainment. *Prerequisite: Consent of instructor.*

**COM 473 (3) MOTION PICTURE PRODUCTION**

An introduction to the theory and practice of motion picture filmmaking. Topics include familiarity with filmmaking equipment; basic motion picture techniques; converting idea to image; the use of lighting, editing and sound in film; and the role of acting, directing, and good storytelling in the filmmaking process.

**COM 474 (3) PROFESSIONAL SCREENWRITING**

An introduction to contemporary screenwriting, including an understanding of dramatic structure, character and dialogue development, and the writing process. Students complete a full-length screenplay for a feature film or "movie-of-the-week." Emphasis is given to the role of Christian faith and values as they relate to script content.

**COM 475 (3) SEMINAR IN PRODUCING THE INDEPENDENT FILM**

An introduction to the process of producing an independent feature film. Topics include legal structures, business plans, preproduction activities such as scheduling and budgeting, and an overview of the producer's role in production, post-production, and distribution.

**COM 476 (3) ACTING IN HOLLYWOOD**

An introduction for the practice of acting in the Hollywood entertainment arena. Topics include the role of agents, managers, casting directors and the unions; equity waiver theatres and showcases; photos and

resumes and an exploration of the audition process used for commercials, live theatre, film, and television.

# *SCHOOL OF EDUCATION*

## **Purposes**

Point Loma Nazarene University's School of Education offers selected credential and degree programs of academic rigor in an environment of vital Christianity in the Wesleyan tradition. Our commitment is to prepare thoughtful, culturally sensitive, scholarly professional educators who utilize the latest research and exemplary methods to ensure learning and achievement. The faculty is committed to equip students to become influential moral and ethical leaders in a highly competitive, diverse, and ever-changing society.

## **Tradition of Excellence**

The School of Education is approved by the California Commission on Teacher Credentialing offers the following credentials: Multiple-Subject and Single-Subject and Special Education. The teacher education credential programs are offered in Arcadia, Bakersfield, the Inland Empire, and San Diego (Mission Valley). Exclusively in San Diego, undergraduates may take courses toward the credential; hence, the program described in this section refers only to that aspect of the program. Details of the broader education program are found in the *Catalog* for graduate studies. Faculty in the School of Education are practitioners and specialists in teacher education. The School articulates with all other academic departments and schools in the university regarding subject matter preparation of single-subject and multiple-subject teacher candidates. While the primary focus of the School of Education is to prepare teachers, many of the courses are also of value to those who are interested in professions such as social work, family and consumer sciences, religious studies, and early childhood education.

## **Career Opportunities**

The professional program courses are sequenced to prepare candidates for success on the California Teacher Performance Assessment and in your teaching career. Throughout the program methodologies based on current practice and research are modeled and reinforced. The practice and application components of the methods courses are easily facilitated because the School of Education is field-based. Candidates are required to be in classrooms for approximately 85 hours of documented and evaluated observation and participation prior to student teaching.

Admission to the university may be considered Level 1 admission to the School of Education. However, it neither implies nor guarantees approval for student teaching (Level 2 admission). If, in the opinion of the School of Education, a student fails to meet acceptable professional and personal standards, it may disqualify any individual from attempting to complete preparation for a career in education. Students desiring to fulfill the requirements of a credential for public school service are advised to declare their intentions as early as possible in their academic careers. For the Multiple-Subject Credential candidate, this decision should be made during the first year of the student's enrollment at the university. The Single-Subject Credential candidate should decide no later than the sophomore year. Transfer students should consult with the appropriate departmental/school advisor immediately upon matriculation.

All prospective teachers should plan their major requirements and those set forth by the School of Education to establish the proper sequence of courses and the fulfillment of all professional requirements. The Credentialing and Educational Placement Office provides a variety of services: transcript evaluation, credential applications, and career services for the student. The credential analyst acts as a liaison between the candidate and the California Commission on Teacher Credentialing.

## **Major**

Liberal Studies

## **Courses**

## **Faculty**

Laura L. Amstead, Ed.D.  
*Northern Arizona University*

Elizabeth A. Chamberlain, M.A.  
*Point Loma Nazarene University*

Jerry R. Childs, M.A.  
*Point Loma Nazarene College*

Conni C. Cintas, Ed.D.  
*University of La Verne*

Carolyn Kay Croy, Ed.D.  
*University of Missouri, Kansas City*

Shirlee M. Gibbs, Ed.D.  
*Northern Arizona University*

Daniel N. Hall, M.A.  
*California State University, Bakersfield*

Jill Hamilton-Bunch, Ph.D.  
*University of California, Santa Barbara*  
Director, Bakersfield Regional Center

Cynthia G. Hurley, Ed.D.  
*University of La Verne*

James E. Johnson, Ed.D.  
*University of Southern California*

Robin J. Kohl, Ed.D.  
*Northern Illinois University*

Andrea G. Liston, Ph.D.  
*Argosy University*

Enedina Martinez, Ed.D.  
*Northern Arizona University*

Gary N. McGuire, Ed.D.  
*University of La Verne*  
Director, Arcadia Regional Center

James C. (Corey) McKenna, Ph.D.  
*University of California, Santa Barbara*

Jessica M. Miller, M.A.  
*Azusa Pacific University*

Marjorie A. Morwood, M.A.  
*Pasadena College*

Robert G. Morwood, Ed.D.  
*University of Southern California*

Doretha A. O'Quinn, Ph.D.  
*Biola University School of Intercultural Studies*  
Director, Mission Valley Regional Center

Ray O. Posey, Ph.D.  
*Vanderbilt University*

Gary L. Railsback, Ph.D., Dean  
*University of California, Los Angeles*

David A. Stevens, M.S.  
*California State University, Fullerton*

Dione Brooks Taylor, Ed.D.  
*Northern Arizona University*

# ***LIBERAL STUDIES MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIB 101	Old Testament History and Religion	2
BIB 102	New Testament History and Religion	3
PSY 101	Psychology of Personal Development <i>OR</i>	4
PSY 103	General Psychology	(3)
WRI 110	College Composition <i>OR</i>	5
WRI 115	College Composition (Writing) <i>AND</i>	(3)
WRI 116	College Composition (Research)	(2)
WRI 116	College Composition (Research)	2
COM 100	Principles of Human Communication	3
MTH 113	Intermediate Algebra (or passing placement exam scores)	3
MTH 213	Fundamentals of Elementary Mathematics I	3
MTH 223	Fundamentals of Elementary Mathematics II	3
BIO 103	Introduction to Biology	4
PSC 103	Earth Science	4
PSC 110	Physical Science	4
HIS 110	World Civilizations I	3
HIS 111	World Civilizations II	3
<b><i>Choose one course from the following 2 courses:</i></b>		
PED 100	Fitness Through Movement	1
PED 300	Optimal Health	2
<b><i>Choose one course from the following 2 courses:</i></b>		
POL 190	The Politics of Race, Class, and Gender	4
SOC 201	Cultural Anthropology	3
<b><i>Choose one course from the following 4 courses:</i></b>		
ART 100	Introduction to Art	2
ART 102	Fundamentals of Art	3
MUH 100	Introduction to Music	2
TRE 101	Introduction to Theatre	2
<b><i>Choose one course from the following 2 courses:</i></b>		
PHL 201	Introduction to Philosophy	3
PHL 211	Ethics	3
<b><i>Choose one course from the following 3 courses:</i></b>		
LIT 201	Masterpieces of World Literature I	3
LIT 202	Masterpieces of World Literature II	3

LIT 203	Masterpieces of World Literature III	3
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**One of the following sequences:**

SPA 101 and 102	Elementary Spanish I and II	8
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FRE 101 and 102	Elementary French I and II	8
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GER 101 and 102	Elementary German I and II	8
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<b>TOTAL</b>		<b>57-60</b>
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**UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
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ART 319	Visual Arts for the Classroom	3
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HIS 370	California History	4
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LIT 325	Children's Literature	3
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MUE 341	Music for Elementary Teachers	3
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PED 308	Physical Education for Children	3
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**Choose one course from the following 2 courses:**

CHU 395	The Christian Tradition	3
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THE 306	The Life of Holiness	3
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**One course from the following 3 courses:**

MTH 303	Problem Solving	3
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MTH 144	Calculus with Applications	4
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MTH 164	Calculus	4
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**Choose one course from the following 2 courses:**

PSY 308	Developmental Psychology – Birth Through Adolescence	3
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FCS 120	Child Development	3
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<b>TOTAL</b>		<b>27</b>
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**UPPER DIVISION REQUIREMENTS IN EDUCATION**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
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EDU 304	Legal, Ethical, and Wesleyan Perspectives on Education	3
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EDU 306	Principles of Language Acquisition	3
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EDU 324	Differentiated Mathematics Instruction for all Learners	3
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EDU 402	Research-Based Learning Theory	3
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<b>TOTAL</b>		<b>12</b>
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**REQUIRED CONCENTRATIONS**

The student majoring in Liberal Studies chooses one 12-unit concentration from the following list of content areas available at PLNU (the State of California requires that all Liberal Studies majors declare a concentration area to explore more in-depth).

**Reading, Language and Literature**

**English Emphasis**

LIT 250	Introduction to the Study of	3
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Literature		
Linguistics and Writing - one upper-division		3
Literature Survey course - one lower-division		3
Literature Survey course - one upper-division		3
<b>French Emphasis</b>		
FRE 250 Intermediate French I		3
FRE 251 Intermediate French II		3
FRE 315 French Civilization		3
<b>Choose one:</b>		
FRE 301 French Phonetics		3
FRE 320 Survey of French Literature		3
<b>Spanish Emphasis</b>		
SPA 251 Intermediate Spanish II		3
SPA 302 Advanced Grammar and Reading		3
SPA 303 Advanced Conversation and Composition		3
<b>Choose one:</b>		
SPA 310 Latin American Culture I		3
SPA 315 Culture and Civilization of Spain		3
SPA 320 Mexican American Literature		3
SPA 380 Genre/Period Studies in Hispanic Literature or Film		3
<b>Visual and Performing Arts</b>		
<b>Music Emphasis</b>		
MUE 341 Music Skills for the Elementary Classroom Teacher		3
MUH 101 Introduction to Listening		2
MUA 212 Beginning Conducting		2
TRE 354 Movement I		3
Private Lessons or Instrumental Band		1-2
<b>Art Emphasis</b>		
ART 319 Visual Arts in the Classroom I		3
TRE 354 Movement I		3
<b>Choose one:</b>		
ART 104 Three Dimensional Design		3
ART 115 Design		3
<b>Choose one:</b>		
ART 304 Modern Art History		3
ART 305 Contemporary Art History		3
<b>Choose one:</b>		
ART 325 Topics in Non-Western Art		3
ART 355 Design History: Industrial Revolution to Contemporary Design		3
<b>Theatre Emphasis</b>		
ART 319 Visual Arts in the Classroom I		3
TRE 270 Acting I		3
TRE 354 Movement I		3
TRE 436 Stagecraft Techniques		2

## **Physical Education/Health**

PED 300	Optimal Health	2
PED 210	Team Sports Fundamentals	2
PED 212	Team Sports Strategies	2
KPE 312	Motor Learning and Motor Development	3

### **Choose one:**

FCS 315	Personal, Family or Community Health	3
PSY 360	Human Sexuality	3

## **Human Development**

PSY 308	Developmental Psychology - Birth Through Adolescence	4
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### **Choose one:**

FCS 120	Child and Adolescent Development	4
PSY 360	Human Sexuality	3

### **Choose one:**

SOC 250	Sociology of the Family	3
PSY 320	Social Psychology	3

### **Choose one:**

CMI 200	Christian Education of Children	3
PSY 380	Family Development and Family Therapies	3

## **Science**

BIO 210	Cell Biology and Biochemistry	4
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### **Choose one:**

CHE 103	Introduction to General, Organic and Biological Chemistry	5
CHE 152	General Chemistry I	4

### **Choose one:**

BIO 215	Animal Biology	4
BIO 310	General Botany	3

## **Math**

Individualized programs will be designed with a Math advisor beginning with the sophomore year.

## **History and Social Science**

### **American Studies Emphasis**

#### **Choose one:**

POL 165	American Government	4
POL 325	American Political Thought	4
POL 360	California Government and Politics	4
POL 420	United States Foreign Policy	4

#### **Choose two:**

HIS 316	Colonial and Revolutionary America	4
HIS 320	United States History	4
HIS 370	California History	4
HIS 425	United States Since 1914	4
HIS 435	Asian-America in East Asia	4

1800 to the Present  
HIS 436 American in East Asia 1800 to the Present 4

**Constitutional Emphasis**

POL 325 American Political Thought 4

**Choose one:**

POL 165 American Government 4

POL 320 United States History 4

HIS 316 Colonial and Revolutionary America 4

**Choose one:**

POL 341 Campaigns and Elections in an Electronic Age 4

POL 380 Congress and the Presidency 4

**International Emphasis**

**Choose one:**

POL 230 Introduction to International Relations 4

POL 290 World Regional Geography 3

SOC 230 Cultural Anthropology 3

**Choose two:**

POL 435 Global Governance 4

POL 437 International Economics 4

OR any of the upper-division electives in the International Studies major

Completion of this program partially fulfills requirements for a Teaching Credential in the State of California. Refer to the School of Education Web site for further information.

# ***SCHOOL OF EDUCATION COURSES***

## **Education Courses**

### **EDU 304 (3) LEGAL, ETHICAL, AND WESLEYAN PERSPECTIVES ON EDUCATION**

Major laws and principles regarding the historical and contemporary purposes, roles and functions of education in American society are examined. Research on the social and cultural conditions of K-12 schools is analyzed in relation to the purposes, functions and inequalities of schools. The role of Christian educators in public and private schools from the Wesleyan tradition and perspective is emphasized. Open to all majors. 30 fieldwork hours are required.

### **EDU 306 (3) PRINCIPLES OF LANGUAGE ACQUISITION**

Provides candidates with the foundational understanding of English learners that equips candidates to use effective pedagogy for English learners in their classrooms to provide access to academic content and for language development. This course further provides candidates with a beginning understanding of the impact of cultural context on student learning (2042 Standards 5,7,13), language structure and use, first and second language development and their relationship to academic achievement (CTEL I Domains 1 and 2), assessment of English learners, foundations of English language literacy, development and content instruction, and approaches and methods for ELD and Content Instruction (CTEL 2 Domains 1, 2, and 3) are examined.

### **EDU 324 (3) DIFFERENTIATED MATHEMATICS INSTRUCTION FOR ALL LEARNERS**

Planning of content-specific instruction and delivery of content consistent with state-adopted K-8 mathematics standards is the focus. The interrelated components of a balanced program of mathematics and the fostering of positive attitudes toward mathematics are stressed. Includes instruction on how to model and teach students to solve problems using multiple strategies and to anticipate, recognize and clarify mathematical misunderstandings that are common among K-8 students. A total of 15-20 fieldwork hours are required.

*Prerequisite: Mathematics 223.*

### **EDU 402 (3) RESEARCH-BASED LEARNING THEORY**

An overview of the major concepts, principles, theories and research related to the cognitive, linguistic, social, emotional and physical development of children and adolescents. Effective instructional strategies that ensure active and equitable participation of all students are analyzed and applied. Thirty fieldwork hours are required.

### **EDU 490 (1-3) SPECIAL STUDIES IN EDUCATION**

Intensive study in a special topic in education under the direction of faculty member. May be repeated for a total of six units.

*Prerequisite: Consent of instructor.*

### **EDU 499 (1-3) RESEARCH IN EDUCATION**

Open to students of proven ability. May be repeated for a total of six units.

*Prerequisites: Consent of the dean of the School of Education and of instructor.*

# ***FAMILY AND CONSUMER SCIENCES***

## **Purposes**

- To instill a knowledge of the role and significance of social, economic, and political influences on human life;
- To broaden students' understanding of the development of personal and interpersonal skills for successful personal, professional, and family life; multicultural relations; integrity, and high moral values;
- To help students comprehend physical, emotional and social development across the life cycle;
- To prepare students for graduate school or a profession in education, business, industry, service agencies, and non-profit organizations.

## **Tradition of Excellence**

The Department of Family and Consumer Sciences emphasizes the many dimensions of human functioning and the importance of studying all its aspects. The department seeks to prepare students for service and leadership in professions with strong family and consumer sciences skills to optimize the well-being of individuals, families, and communities. The faculty is committed to developing and maintaining a close relationship with the students in the department. Point Loma Nazarene University is one of a few small, private universities in California to offer an accredited Dietetics program and majors in Family and Consumer Sciences, Fashion Merchandising, Interior Design, and Child and Adolescent Development. Child and Adolescent Development majors receive the added benefit of an on-site laboratory pre-school. The curriculum, combined with the faculty's dedication to being involved in students' lives, provides students with excellent opportunities to move into challenging graduate programs or their chosen profession.

## **Career Opportunities**

The Department of Family and Consumer Sciences prepares students for careers in business, industry, public and private agencies, schools, and institutions that provide goods, services, education, and information to consumers and families. Many students have become teachers, school administrators, social service agents, family/adult educators, manufacturer's representatives, fashion directors, interior consultants/coordinators, community service agents, nutrition educators, and healthcare specialists.

## **Majors**

Child and Adolescent Development

Dietetics

Family and Consumer Sciences

Fashion and Interiors

*Concentrations*

Fashion Merchandising

Interior Design

Nutrition and Food

*Concentrations*

Food Service Management

Nutrition and Health

## **Minors**

Child Development

Nutrition

## **Courses**

## **Faculty**

Nancy K. Murray, Ph.D.

*University of Tennessee, Knoxville*

Susan DeCristofaro Rogers, M.A.

*Point Loma Nazarene University*

Academic Director-Early Childhood Learning Center

Cindy Swann, M.S., R.D.

*San Diego State University*

Kay M. Wilder, Ed.D., C.F.C.S., Chair  
*Northern Arizona University*

# ***CHILD AND ADOLESCENT DEVELOPMENT MAJOR***

**LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS101 Introduction to Family and Consumer Sciences	1
FCS 120 Child and Adolescent Development	4
FCS 150 Human Developmen	3
FCS 203 Infant and Toddler Development	3
FCS 230 Personal and Consumer Financial Management	2
<b>TOTAL</b>	<b>13</b>

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 305 Life Cycle Nutrition	4
FCS313 Adolescent Development in the Family	2
FCS 315 Personal, Family, and Community Health	3
FCS 355 Development of Children with Special Needs	3
FCS 385 Family and Parenting	2
FCS 420 Child Development in the Family and Community	4
FCS 425 Child and Adolescent Nutrition	3
FCS 497 FCS Senior Seminar	2
LIT 325 Children's Literature	3
PSY 321 Abnormal Psychology	3

**Select 12 upper-division units from:**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 310 Early Childhood Education	4
FCS 460 Administration and Supervision in Early Childhood Education	4
FCS 470 Practicum in Child Development	3
FCS 475 Child Development Internship	2-4
ART 319 Visual Arts in the Classroom I	3
EDU 304 Legal, Ethical and Wesleyan Perspective	3
MUE 341 Music Skills for the Elementary Classroom Teacher	3
PED 308 Physical Education for Children	3
PSY 308 Developmental Psychology - Birth Through Adolescence	3
PSY 325 Clinical and Community Interventions	4
PSY 409 Psychology of Cognition and Learning	4
SWK 340 Child Welfare	3
SOC 360 Race and Ethnicity	3

TOTAL

54

***Note: Students must be fingerprinted through community care licensing to obtain Child Abuse Central Index Clearance.***

***Note: Students graduating with a Child Development major may qualify for the "Child Development Site Supervisor" permit with the California Commission on Teacher Credentialing.***

## *DIETETICS (B.S.)*

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 101	Introduction to Family & Consumer Sciences	1
FCS 110	Fundamentals of Food	2
FCS 150	Human Development	3
FCS 225	Fundamentals of Nutrition	3
FCS 230	Personal and Consumer Financial Management	2
ACC 201	Principles of Financial Accounting	4
BUS 212	Principles of Management	4
MTH 123	Elementary Functions	3
MTH 203	Introduction to Statistics	3
BIO 130	Human Anatomy and Physiology I	4
BIO 140	Human Anatomy and Physiology II	4
BIO 210	Cell Biology and Biochemistry	4
BIO 220	Microbiology of Infectious Diseases	5
CHE 151	General Chemistry Tutorial	1
CHE 152	General Chemistry I	4
CHE 153	General Chemistry II	4
CHE 295	Organic Chemistry I	5
PHL 211	Ethics	3
SOC 201	Cultural Anthropology	3
	<b>TOTAL</b>	<b>62</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 300	Food Economics and Management	2
FCS 303	Cultural Foods	2
FCS 315	Personal, Family, and Community Health	3
FCS 330	Community Nutrition	3
FCS 331	Community Nutrition Practicum	1
FCS 335	Nutrition Research Through the Life Cycle	2
FCS 365	Advanced Nutrition	3
FCS 414	Practices in Nutrition Education and Dietary Counseling	2
FCS 415	Medical Nutrition Therapy	3
FCS 417	Medical Nutrition Therapy Practicum	1
FCS 435	Food Service Production and Management	3
FCS 455	Food Science	3
FCS 497	Senior Seminar	2
	<b>TOTAL</b>	<b>30</b>

### **RECOMMENDED COURSES**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 305 Life Cycle Nutrition	4
FCS 340 Nutrition in Women's Well-Being	2
BUS 332 Principles of Marketing	4
KPE 340 Physiology of Exercise	3

The major in Dietetics requires 139 units to graduate, eleven (11) more than the minimum 128 units required for most majors at PLNU. Students are encouraged to take one or two courses in the summer to lighten their course loads during the regular semester.

Students interested in becoming a Registered Dietician should consult the American Dietetic Association (ADA) for specific information: The American Dietetic Association, 120 South Riverside Plaza, Suite 2000, Chicago IL 60606-6995.

Graduates in the Dietetics major will require further training by applying to an ADA-accredited internship program in order to complete ADA requirements to be a registered dietitian (R.D.).

### **MAJORING IN DIETETICS**

Graduates in the Dietetics major from PLNU earn a Verification Statement that will allow them to apply to an ADA-accredited dietetic internship program, the second step to becoming a Registered Dietitian (R.D.)

#### **To be verified at PLNU, the student must:**

- Earn a "C" or better in all courses for the Dietetics major required for the DPD
- Maintain a GPA of 2.800 or higher
- Earn a B.S. degree (official transcripts, including the one that shows an earned bachelor's degree, must be in the DPD file)
- Participate in community service learning activities during the program, as evidenced in the senior portfolio or in a project
- Demonstrate ethical principles and follow ADA's Code of Ethics

### **STUDENTS WITH A BACHELOR'S DEGREE FROM ANOTHER UNIVERSITY SEEKING A VERIFICATION STATEMENT**

If a student has earned a bachelor's degree from another university, and are seeking a Verification Statement for the Dietetics program, the student may choose one of the two following paths:

1) Apply to PLNU for a certificate in the Dietetics program, with no degree attached (no second bachelor's degree). This pathway requires:

- a. A bachelor's degree from a college/university in another major
- b. Official transcripts reviewed by the Director of Dietetics and the undergraduate Director of Admissions
- c. A minimum 24 units of upper-division Dietetics courses and prerequisites taken at PLNU. (Courses required will be based on previous coursework transferred, and the date that courses were taken)
- d. Acceptance to PLNU

2) Apply to PLNU for a second Bachelor of Science degree in Dietetics. This pathway requires:

- a. Official transcripts reviewed by the Director of Dietetics and the undergraduate Director of Admissions
- b. Coursework and prerequisites required for the Dietetics major
- c. Coursework to meet all general education requirements at PLNU
- d. Acceptance to PLNU

### **INTERNATIONAL STUDENTS SEEKING A VERIFICATION STATEMENT**

If a student is an International Student seeking a Verification Statement in Dietetics from PLNU, the student must apply to the University and submit the following:

- a. All documents including high school and college transcripts translated into English and evaluated by an approved credential evaluation service before being sent to the Admissions Office. The student may contact any credential evaluator approved by the National Association of Credential Evaluators (NACES), such as World Education Services, Inc. (WES), Academic Credentials Evaluation Institute, Inc. (ACEI), and Educational Credential Evaluators, Inc. (ECE).
- b. English proficiency: A 550 paper based TOEFL or 216 computer based TOEFL.

- c. An original notarized copy of an Affidavit of Support (financial statement) submitted by a sponsor or bank, indicating sufficient funds for the educational expenses for one academic year at PLNU. (Point Loma Nazarene is a private university; therefore, tuition is the same for U.S. residents and international students.)
- d. Acceptance to PLNU
- e. A minimum 24 units of upper-division Dietetics courses and prerequisites at PLNU. (Courses required will be based on previous coursework transferred, and the date that courses were taken.)

**To be verified at PLNU, the student must:**

- Earn a "C" or better in all core curriculum DPD classes Maintain a GPA of 2.800 or higher
- Take at least 24 units of upper-division DPD classes at PLNU
- Participate in community service learning activities during the program, as evidenced in the senior portfolio
- Demonstrate ethical principles and follow ADA's Code of Ethics

# ***FAMILY AND CONSUMER SCIENCES MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 101 Introduction to Family and Consumer Sciences	1
FCS 110 Fundamentals of Food	2
FCS 150 Human Development	3
FCS 220 Problems of Family Housing	2
FCS 230 Personal and Consumer Financial Management	2
PHL 211 Ethics	3
SOC 201 Cultural Anthropology	3
<b>TOTAL</b>	<b>16</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 300 Food Economics and Management	2
FCS 303 Cultural Foods	2
FCS 305 Life Cycle Nutrition	4
FCS 315 Personal, Family, and Community Health	3
FCS 385 Family and Parenting	2
FCS 420 Child Development in Family and Community	4
FCS 480 Family and Consumer Sciences Internship	2
FCS 497 Family and Consumer Sciences Senior Seminar	2
<b>TOTAL</b>	<b>21</b>

### ***Lower-division or upper-division:20 units (selected from below)***

FCS 105 Apparel Construction	2
FCS 115 Introduction to Interior Design	3
FCS 120 Child and Adolescent Development	4
FCS 130 Fashion Industry	3
FCS 310 Early Childhood Education	4
FCS 340 Nutrition in Women's Well-Being	2
FCS 370 Apparel in Human Behavior and Culture	2
FCS 435 Food Service Production and Management	3
FCS 460 Administration and Supervision in Early Childhood Education	4
PSY 320 Social Psychology	3
PSY 321 Abnormal Psychology	3
PSY 325 Clinical and Community Interventions	4
SOC 316 Sociology and Aging	3
SOC 360 Ethnic and Status Groups	3

# ***FASHION AND INTERIORS MAJOR***

## **Concentration in Fashion Merchandising**

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 101 Introduction to Family and Consumer Sciences	1
FCS 105 Apparel Construction	2
FCS 130 Fashion Industry	3
FCS 150 Human Development	3
FCS 230 Personal and Consumer Financial Management	2
FCS 240 History of Costume	3
ART 102 Fundamentals of Art	3
ACC 201 Principles of Financial Accounting	4
BUS 212 Principles of Management	4
ECO 102 Principles of Economics II	3
PHL 211 Ethics	3
<b>TOTAL</b>	<b>31</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 315 Personal, Family, and Community Health	3
FCS 323 Fashion Retailing	3
FCS 370 Apparel in Human Behavior and Culture	2
FCS 375 Visual Presentation and Display	2
FCS 390 Fashion Buying	3
FCS 400 Apparel Design	3
FCS 405 Textile Science	3
FCS 497 Family and Consumer Sciences Senior Seminar	2
BUS 332 Principles of Marketing	4
<b>TOTAL</b>	<b>25</b>

### **RECOMMENDED COURSES**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 480 Family and Consumer Sciences Internship	2 or 4
BUS 213 Administrative Communication	3
BUS 382 Entrepreneurship	2
ART 115 Drawing I	3
ART 215 Intro to Computer Graphics	3
ART 203 Graphic Design I	3

## **Concentration in Interior Design**

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 101 Introduction to Family and Consumer Sciences	1
FCS 115 Introduction to Interior Design	3
FCS 150 Human Development	3
FCS 200 Introduction to Computer-Aided	2

	Design (CAD)	
FCS 220	Problems of Family Housing	2
FCS 230	Personal and Consumer Financial Management	2
FCS 235	Lighting	3
ART 102	Fundamentals of Art	3
ACC 201	Principles of Financial Accounting	4
BUS 212	Principles of Management	4
ECO 102	Principles of Economics II	3
PSC 110	Physical Science	4
PHL 211	Ethics	3
	<b>TOTAL</b>	<b>37</b>

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 315 Personal, Family, and Community Health	3
FCS 345 Materials and Resources	3
FCS 375 Visual Presentation and Display	2
FCS 395 History of Design in Furniture and Interiors	3
FCS 405 Textile Science	3
FCS 410 Designing Residential Interiors	3
FCS 430 Designing Commercial Interiors	3
FCS 49 Family and Consumer Sciences Senior Seminar	2
BUS 332 Principles of Marketing	4
<b>TOTAL</b>	<b>26</b>

**RECOMMENDED COURSES**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 480 Family and Consumer Sciences Internship	2 or 4
ART 115 Drawing I	3
ART 203 Graphic Design I	3
ART 215 Intro to Computer Graphics	3
BUS 382 Entrepreneurship	2

# ***NUTRITION AND FOOD MAJOR***

## **Concentration in Food Service Management**

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 101 Introduction to Family and Consumer Sciences	1
FCS 110 Fundamentals of Food	2
FCS 150 Human Development	3
FCS 225 Fundamentals of Nutrition	3
FCS 230 Personal and Consumer Financial Management	2
ACC 201 Principles of Financial Accounting	4
BUS 212 Principles of Management	4
CHE 103 Introduction to General, Organic and Biological Chemistry	5
ECO 102 Principles of Economics II	3
PHL 211 Ethics	3
<b>TOTAL</b>	<b>30</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 300 Food Economics and Management	2
FCS 303 Cultural Foods	2
FCS 315 Personal, Family, and Community Health	3
FCS 435 Food Service Production and Management	3
FCS 445 Catering	2
FCS 480 Family and Consumer Sciences Internship	2
FCS 497 Family and Consumer Sciences Senior Seminar	2
BUS 332 Principles of Marketing	4
BUS 334 Professional Selling and Sales Management	4
BUS 336 Advertising and Promotion Management	4
BUS 382 Entrepreneurship	2
<b>TOTAL</b>	<b>30</b>

### **RECOMMENDED COURSES**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 340 Nutrition in Women's Well-Being	2
BUS 301 Legal Environment of Business	4
BUS 213 Administrative Communication	3
COM 220 Small Group Communication	3
COM 312 Gender and Communication	3
COM 340 Organizational Communication	3
PSY 320 Social Psychology	3

## **Concentration in Nutrition and Health**

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 101 Introduction to Family and Consumer Sciences	1
FCS 110 Fundamentals of Food	2
FCS 150 Human Development	3
FCS 225 Fundamentals of Nutrition	3
FCS 230 Personal and Consumer Financial Management	2
BIO 130 Human Anatomy and Physiology I	4
BIO 140 Human Anatomy and Physiology II	4
CHE 103 Introduction to General, Organic, and Biological Chemistry	5
PHL 211 Ethics	3
SOC 201 Cultural Anthropology	3
<b>TOTAL</b>	<b>30</b>

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 300 Food Economics and Management	2
FCS 303 Cultural Foods	2
FCS 305 Life Cycle Nutrition	4
FCS 315 Personal, Family, and Community Health	3
FCS 330 Community Nutrition	3
FCS 331 Community Nutrition Practicum	1
FCS 414 Practices in Nutrition Education and Dietary Counseling	2
FCS 435 Food Service Production and Management	3
FCS 480 Family and Consumer Sciences Internship	2
FCS 497 Family and Consumer Sciences Senior Seminar	2
PSY 320 Social Psychology	3
COM 340 Organizational Communication	3
<b>TOTAL</b>	<b>30</b>

**RECOMMENDED COURSES**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 340 Nutrition in Women's Well-Being	2
FCS 445 Catering	2
FCS 490 Special Studies in Family and Consumer Sciences	1-4
PSY 325 Clinical and Community Interventions	4
PSY 345 Group Dynamics	3

## ***CHILD DEVELOPMENT MINOR***

This minor is for students who desire an introductory exposure to the study of child development. It will also meet the requirements for the Associate Teacher Permit needed for teachers in Early Childhood.

A minimum of 18-20 units are required for this minor, including the following lower and upper-division courses.

### **REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 120	Child and Adolescent Development	4
FCS 315	Personal, Family and Community Health	3
FCS 355	Development of Special Needs Children	3
FCS 385	Family and Parenting	2
FCS 420	Child Development in the Family and Community	4
	<b>TOTAL</b>	<b>16</b>

***One additional course from the following:***

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 203	Infant and Toddler Development	3
FCS 305	Child and Adolescent Nutrition	4
FCS 310	Early Childhood Education	4
FCS 313	Adolescents in the Family Context	2
	<b>TOTAL</b>	<b>2-4</b>
	<b>MINOR TOTAL</b>	<b>18-20</b>

## ***NUTRITION MINOR***

The minor in Nutrition is for students interested in the field of nutrition and well being. The program consists of a foundation in food, nutrition and disease prevention as it relates to one's health.

Twenty to twenty-one (20-21) units are required for this minor, including the following lower and upper-division courses:

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 110	Fundamentals of Food	2
FCS 150	Human Development	3
FCS 225	Fundamentals of Nutrition	3
FCS 300	Food Economics and Management	2
FCS 303	Cultural Foods	2
FCS 305	Life Cycle Nutrition	4
FCS 340	Nutrition in Women's Well-Being	2
	<b>TOTAL</b>	<b>18</b>

### **UPPER-DIVISION REQUIREMENTS**

***Take one (1) additional course from the following:***

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 315	Personal, Family, and Community Health (GE)	3
FCS 425	Child and Adolescent Nutrition	3
FCS 435	Food Service Production and Management	3
FCS 445	Catering	2
	<b>TOTAL</b>	<b>2-3</b>
	<b>MINOR TOTAL</b>	<b>20-21</b>

# ***FAMILY AND CONSUMER SCIENCES COURSES***

## ***Lower-Division***

### **FCS 101 (1) INTRODUCTION TO FAMILY AND CONSUMER SCIENCES**

An introduction to the integration of professional specializations within the Department of Family and Consumer Sciences. A wide array of options in each major and the career paths are presented. Discussion addresses how each specialization enhances the quality of life for individuals, families and communities. Offered every fall.

### **FCS 105 (2) APPAREL CONSTRUCTION**

Fundamental processes in clothing construction. An analysis and comparison of construction techniques and fabric types. Lecture and garment construction laboratory. Majors only. Offered every semester.

### **FCS 110 (2) FUNDAMENTALS OF FOOD**

Development of technique and application of fundamental scientific principles of food preparation. Establishment of quality standards for food products and food safety. Lecture and food preparation laboratory. Offered every semester.

### **FCS 115 (3) INTRODUCTION TO INTERIOR DESIGN**

The study of basic design principles related to interior environments to meet the needs of individuals, families, and communities. Application of design principles to create effective interiors and professional presentation methods used to communicate design concepts to clients for best practice. Interior design career opportunities are discussed. Computer applications and laboratory. Offered every fall.

*Prerequisite: Majors only or consent of instructor.*

### **FCS 120 (4) CHILD AND ADOLESCENT DEVELOPMENT**

The study of physical, social, emotional, cognitive growth and development of the child, from prenatal months through adolescent years. Classroom lecture and course readings are supplemented by laboratory field experience in the Early Childhood Learning Center or other centers designed for children and adolescents, and appropriate projects. Offered every fall.

### **FCS 130 (3) FASHION INDUSTRY**

Overview of the fashion industry worldwide including the terminology, materials, design, production, and merchandising that comprise the international business of fashion. Digital visual presentations required. Offered every fall.

### **FCS 150 (3) HUMAN DEVELOPMENT**

A study of the physical, social, emotional, and intellectual development of the individual throughout the life span. Observation and field experience required. Offered every semester.

### **FCS 200 (2) INTRODUCTION TO COMPUTER-AIDED DESIGN (CAD)**

Practical skills essential to computer-aided design through lecture and hands-on training at computer terminals using AutoCAD software. Projects focus on computer drafting of buildings and interiors. Computer laboratory. Offered every fall.

### **FCS 203 (3) INFANT AND TODDLER DEVELOPMENT**

The study of the process of prenatal, infant and toddler growth and development which will include: exploration of the impact of culture, atypical behavior and development, socialization techniques, interpersonal relationships of infant-toddler and caregivers, suitable environments for health and safety, and legal requirements for infant-toddler care. Classroom lecture and course readings are supplemented by observation and field experience required. Offered alternate years, fall 2010.

*Prerequisites: FCS 120 or FCS 150*

### **FCS 220 (2) PROBLEMS OF FAMILY HOUSING**

Effects of various housing conditions on the dynamics of family life in the home. Emphasis on consumer housing problems of low income families, physically challenged, elderly and homeless, as well as political housing issues affecting individuals and families. Field experience required. Offered fall 2009.

### **FCS 225 (3) FUNDAMENTALS OF NUTRITION**

A study of the principles of nutrition science and evidence-based application of nutrition to health/homeostasis, disease prevention and disease treatment. Offered every semester.

*Prerequisite: Chemistry 103, Chemistry 152 or equivalent.*

### **FCS 230 (2) PERSONAL AND CONSUMER FINANCIAL MANAGEMENT**

Relationship of values, standards and goals to the allocation of resources and the personal and consumer decision-making process. Emphasis is placed on the standards for selection of consumer goods, protection of the consumer, and conditions which influence individual and family management. Offered every semester on a Quad basis.

**FCS 235 (3) LIGHTING**

Introduction to the principles of lighting design, lighting calculations and practical application in project format. Field experiences required. Offered fall 2010.

*Prerequisite: Family and Consumer Sciences 115.*

**FCS 240 (3) HISTORY OF COSTUME**

Western costume from ancient civilization to the present including social, political, cultural, technological, and economic forces that influenced development. Historic design influences on current Western fashion emphasized. Digital visual presentations required. Offered spring 2010.

***Upper-Division*****FCS 300 (2) FOOD ECONOMICS AND MANAGEMENT**

A study and application of food management skills, including food selection, food preparation techniques and budgetary control, in meal planning and meal service. Lecture and food preparation laboratory. Offered every spring.

*Prerequisite: Family and Consumer Sciences 110 and consent of instructor.*

**FCS 303 (2) CULTURAL FOODS**

The influence of world cultures and ethnic food habits on food patterns. Lecture, computer applications and food preparation laboratory. Offered every fall.

*Prerequisite: Family and Consumer Sciences 110 and consent of instructor.*

**FCS 305 (4) LIFE CYCLE NUTRITION**

A study of nutrition specifically applied to the stages of human development and to the current nutritional issues with analysis of personal nutritional needs. Offered every fall and summers.

**FCS 310 (4) EARLY CHILDHOOD EDUCATION**

The study and practice of principles, curriculum, methods, material and special needs of preschool, kindergarten, and through third grade. Students gain experience in appropriate lesson plan writing with developmentally appropriate practices. A supervised field experience is required. Offered every fall.

*Prerequisite: Family and Consumer Sciences 120.*

**FCS 313 (2) ADOLESCENT DEVELOPMENT IN THE FAMILY CONTEXT**

Developmental changes and challenges of adolescents and their families as they deal with current societal issues, autonomy, peer relationships, sexuality, parent-adolescent communication, values, teen pregnancy, substance abuse, and adolescents as parents. These major issues affecting adolescents and their families are examined using data from a variety of theoretical, empirical, and clinical viewpoints. Fieldwork is required. Offered alternate years, fall 2009.

*Prerequisites: Family and Consumer Sciences 120 or 150.*

**FCS 315 (3) PERSONAL, FAMILY, AND COMMUNITY HEALTH-GE**

An introduction to and analysis of the family's responsibility in personal, family, and community health. Emphasis in physical, emotional, social, and mental well-being. Offered every semester and summers.

*Prerequisite: Completion of forty-eight (48) units.*

**FCS 323 (3) FASHION RETAILING**

Examine the highly competitive environment of traditional fashion retailers, value merchants, and rapidly expanding off-site retailers. Innovative ideas in both brick-and-mortar retailing and E-tailing emphasized. Offered 2009-2010.

*Prerequisite: Family and Consumer Sciences 130.*

**FCS 330 (3) COMMUNITY NUTRITION**

A study of the delivery of nutrition services in the community setting, with an emphasis on disease prevention and health promotion in vulnerable populations. Topics discussed include nutrition epidemiology, food policy, cultural competence in nutrition education, food insecurity, and socioeconomic factors effecting food consumption, nutrition status and health. Lecture, computer applications, laboratory and field experiences. Offered fall 2009.

*Prerequisite: Family and Consumer Sciences 225.*

*Corequisite: Family and Consumer Sciences 331.*

**FCS 331 (1) COMMUNITY NUTRITION PRACTICUM**

Application of principles of community nutrition programming, including field experience and observation of nutrition services provided by community-based organizations and governmental entities. Must enroll concurrently Family and Consumer Sciences 330. Offered fall 2009.

*Prerequisite: Family and Consumer Sciences 225.*

*Corequisite: Family and Consumer Sciences 330 (required).*

**FCS 335 (2) NUTRITION RESEARCH THROUGH THE LIFE CYCLE**

A study of nutrition specifically applied to the stages of human development and the life cycle. Current scientific literature is reviewed and applicable research methodologies are discussed. The role of statistics in scientific research is reviewed. Computer applications and laboratory. Offered spring 2010.

*Prerequisites: Family and Consumer Sciences 150 and 225, Biology 210, Chemistry 152, and Mathematics 123 and 203.*

**FCS 340 (2) NUTRITION IN WOMEN'S WELLBEING- WS**

A survey of current evidence-based nutrition principles and guidelines corresponding to gender differences in health. Topics discussed include prevention of cardiovascular disease, diabetes, cancers, and osteoporosis in women as well as special needs in pregnancy/lactation, menopause and weight management. Computer applications. Offered every semester.

**FCS 345 (3) MATERIALS AND RESOURCES**

Survey of interior design finish materials for residential and commercial markets. Product distribution, specification, measurement, installation, pricing, suppliers, maintenance, ecological concerns, fire testing and codes, ADA classifications, and evaluation of materials. Field experiences required. Offered 2009-2010.

*Prerequisite: Family and Consumer Sciences 115.*

**FCS 355 (3) DEVELOPMENT OF SPECIAL NEEDS CHILDREN**

The study of strategies of guiding children with special needs. The role of the adults influencing the child's social, emotional, cognitive and physical growth and development are investigated. Family systems theories and educational methods, environments and programs are explored as it relates to the special needs child's developmental stages. A wide variety of children's exceptionalities are included giftedness, physical challenges, learning disabilities, and behavior disorders. Observation, field experiences, and visitations to community educational facilities are required. Fifteen hours for field experience. Offered every spring.

*Prerequisite: Family and Consumer Sciences 120 or 150, or consent of instructor.*

**FCS 365 (3) ADVANCED NUTRITION**

Theories integrated from physiology, biochemistry and nutrition. An in-depth study of nutrients and their role in human metabolism. Current research on human metabolic processes is analyzed. Laboratory applications. Offered fall 2009.

*Prerequisites: Family and Consumer Sciences 225, Chemistry 295, Biology 130.*

**FCS 370 (2) APPAREL IN HUMAN BEHAVIOR AND CULTURE**

Socio-psychological, cultural and aesthetic aspects of clothing as related to human behavior. Analysis of social science theories and concepts applicable to clothing and appearance. Offered spring 2011.

*Prerequisite: Psychology 101 or 103.*

**FCS 375 (2) VISUAL PRESENTATION AND DISPLAY**

Fundamental principles and procedures for successful visual merchandising of fashion and interiors' products in stores and media. Application of creative techniques to enhance product salability is emphasized. Laboratory required. Offered every fall.

*Prerequisite: Family and Consumer Sciences 115 or 130.*

**FCS 385 (2) FAMILY AND PARENTING**

An analysis of family interaction patterns throughout the life cycle. Emphasis is on understanding family dynamics in relationships as well as opportunities to clarify values and improve communication patterns within the family. Exploration and discussion of the roles of parents in a child's development, concerns facing parents and parenting in varying life circumstances. Offered every semester on a Quad basis.

**FCS 390 (3) FASHION BUYING**

Identification of trends, consumer demand, merchandise planning, and inventory control applied to the process of buying goods for fashion retailers. Offered spring 2011.

*Prerequisite: Family and Consumer Sciences 130.*

**FCS 395 (3) HISTORY OF DESIGN IN FURNITURE AND INTERIORS**

Historical development of architecture, interiors, and furniture from ancient world to the present. Historic Western and Eastern design influences on current Western styles and trends are emphasized. Offered spring 2010.

**FCS 400 (3) APPAREL DESIGN**

Fundamentals of flat pattern are applied to the design and construction of fashion apparel. Computer applications and laboratory required. Offered spring 2011.

*Prerequisite: Family and Consumer Sciences 105.*

**FCS 405 (3) TEXTILE SCIENCE**

Study of fibers, yarns and fabrics used for apparel, furnishings and other end uses. Application of technical

information to appropriate product design and selection emphasized. Laboratory required. Offered every spring.

*Prerequisite: Family and Consumer Sciences 115 or 130.*

**FCS 410 (3) DESIGNING RESIDENTIAL INTERIORS**

Creative Problem solving for residential spaces. Working with clients, examining design trends, and creating professional presentations emphasized. Laboratory and field experiences required. Offered alternate years, next offering in spring 2011.

*Prerequisite: Family and Consumer Sciences 115 and 200.*

**FCS 414 (2) PRACTICES IN NUTRITION EDUCATION AND DIETARY COUNSELING**

Practical experience in techniques that will enhance patient/client communication for nutrition education. Discussion and application of counseling methods, adult learning, motivation theory, lesson planning, group communication techniques, medical charting techniques and the general nutrition care process. Offered alternate years, spring 2010.

*Prerequisite: Family and Consumer Sciences 225.*

**FCS 415 (3) MEDICAL NUTRITION THERAPY**

A study of nutrition status and assessments; nutrition care strategies; and the modification of normal food intake with emphasis on dietary adjustments necessitated by certain disease and disorder processes and conditions focusing on the hospitalized and/or ambulatory patient. Offered alternate years, spring 2010.

*Prerequisites: Family and Consumer Sciences 365 and Biology 140.*

*Corequisite: Family and Consumer Sciences 417.*

**FCS 416 (2) SECONDARY SCHOOL METHODS IN FAMILY AND CONSUMER SCIENCES**

Traditional and current practices of the teaching of secondary school home economics are examined and practiced. Students must also fulfill a field experience assignment. Emphasis is given to the California Home Economics Education Career Path Guide and Model Curriculum Standards. Computer applications and field experiences required. Offered every spring.

**FCS 417 (1) MEDICAL NUTRITION THERAPY PRACTICUM**

Case studies, medical chart notation practice, opportunity to interact with dietetic professionals working in clinical fields. Must enroll concurrently in Family and Consumer Sciences 415. Offered alternate years, spring 2010

*Prerequisite: Family and Consumer Sciences 365 and Biology 140.*

*Co-requisite: Family and Consumer Sciences 415 (required).*

**FCS 420 (4) CHILD DEVELOPMENT IN THE FAMILY AND COMMUNITY**

A study of the development of the child as influenced by the family, school, and community. Emphasis is placed on analyzing the social influences on family systems, child care, schools, poverty, peer groups, mass media, diverse cultures and community services on children's development. Field experience required. Offered every spring.

*Prerequisite: Family and Consumer Sciences 120 or 150.*

**FCS 425 (3) CHILD AND ADOLESCENT NUTRITION**

A study of the effect of nutrition on the development of the child, pre-natal through adolescent. Attention is given to nutrition related health problems and dietary planning. Computer applications required. Offered every spring.

*Prerequisite: Family and Consumer Sciences 225 or 305.*

**FCS 430 (3) DESIGNING COMMERCIAL INTERIORS**

Creative problem solving for contract spaces. Emphasis on a variety of commercial spaces and creating professional presentations. Laboratory and field experiences required. Offered alternate years, spring 2010.

*Prerequisites: Family and Consumer Sciences 115 and 200.*

**FCS 435 (3) FOOD SERVICE PRODUCTION AND MANAGEMENT**

Principles of successful organization and management with their application to the effective operation of food services. Administrative responsibilities of a food manager. Planning and preparing food to meet specific product standards for large groups. Lecture, computer applications, laboratory and field experiences required. Offered alternate years, fall 2009.

*Prerequisite: Family and Consumer Sciences 110.*

**FCS 445 (2) CATERING**

A study of specialized food production techniques and operation principles for home or small catering establishment. Types of catering services, recipe and menu development, costing marketing and implementing a catering business will be discussed. Lecture, bi-weekly three-hour laboratory experience, field experiences, and computer applications required. Offered alternate years, fall 2010.

*Prerequisite: Family and Consumer Sciences 110.*

**FCS 455 (3) FOOD SCIENCE**

Analysis of the composition and chemical structure of food that affect the color, flavor, texture, aroma, and nutritive quality. The application of this information for careers in the food industry. Current research in food technology and food consumption patterns is investigated. Computer applications and laboratory required. Offered alternate years, spring 2011.

*Prerequisite: Family and Consumer Sciences 110 and Chemistry 295.*

**FCS 460 (4) ADMINISTRATION AND SUPERVISION IN EARLY CHILDHOOD EDUCATION**

Application of basic principles in the guidance of young children. To examine the multidimensional roles of the early childhood program director/administrative styles, management tools and interpersonal skills that contribute to effective leadership. Supervised field experience in an early childhood education setting is required. Offered every spring.

*Prerequisite: Family and Consumer Sciences 310.*

**FCS 470 (3) PRACTICUM IN CHILD DEVELOPMENT**

Supervised practicum in laboratory experience in an approved early childhood center. It is designed for students who plan careers in early childhood and family support programs. Students become familiar with observing the development, guiding, and teaching children in a preschool program. This course may be used toward the experience component of the State of California Child Development Site Supervisor Permit. Offered every spring.

*Prerequisites: Family and Consumer Sciences 120 and 310 and consent of instructor.*

**FCS 475 (2 OR 4) INTERNSHIP IN CHILD DEVELOPMENT**

Career-related work experience in which students observe and actively participate using their acquired skills and knowledge. Students are under the supervision of a department faculty supervisor and a qualified on-site supervisor. For 2 units of credit, 80 hours of work experience is required; for four units, 160 hours of work experience is required. May be repeated up to a total of four units. Graded Credit/No Credit. Offered every semester.

*Prerequisites: Senior standing. Family and Consumer Sciences 120. Consent of department chair.*

**FCS 480 (2 OR 4) INTERNSHIP IN FAMILY AND CONSUMER SCIENCES**

Career-related work experience in which students observe and actively participate using their acquired skills and knowledge. Students are under the supervision of a department faculty supervisor and a qualified on-site supervisor. For 2 units of credit, 80 hours of work experience is required; for four units, 160 hours of work experience is required. May be repeated up to a total of four units. Graded Credit/ No Credit. Offered every semester.

*Prerequisites: Senior standing. Consent of department chair.*

**FCS 490 (1-4) SPECIAL STUDIES IN FAMILY AND CONSUMER SCIENCES**

An individualized and detailed research study from selected topics. The research topic must be approved and supervised throughout the semester. May be repeated up to a total of four units. Offered every semester.

*Prerequisites: Senior standing in the Department of Family and Consumer Sciences. Consent of department chair.*

**FCS 497 (2) FAMILY AND CONSUMER SCIENCES SENIOR SEMINAR**

Analysis and discussions of interrelated issues found within the areas of Family and Consumer Sciences. Topics studied not otherwise included in other course work, such as research, public policy, professional accreditation, and historical significance. Required of all seniors graduating in the Department of Family and Consumer Sciences. Offered every semester.

*Prerequisite: Senior standing in the Department of Family and Consumer Sciences.*

# ***HISTORY AND POLITICAL SCIENCE***

## **Purposes**

- To emphasize rigorous analysis of political structures, historical changes and continuities, and human relationships;
- To train students in the craft of communicating their ideas orally and in writing with precision and formal organization;
- To help students attain career-enhancing experiences outside the classroom;
- To equip students for immediate entry into either graduate/law school or a chosen career.

## **Tradition of Excellence**

The Department of History and Political Science has a strong tradition of encouraging scholarship for service. The faculty not only have doctorates from renowned universities and personal scholarly pursuits, they also have abiding commitments to helping students learn about the people, events, and political structures that have created, and are creating, the world in which we live. The classroom goal of understanding is coupled with Wesleyan emphasis on human responsibility and creativity: To whom much is given, much is expected. Each of the four majors offers distinct avenues of study and career options; however, the students and faculty are joined in the belief that intelligent and wise Christians can be a force for good in the world. Small classes, student clubs, student-faculty dinners, shared travel opportunities, internship experiences, visiting lectures, and tight-knit departmental friendships provide the possibility of a fulfilling scholarly life in Colt Hall. Housed also in Colt Hall and overseen by department faculty are the Margaret Stevenson Center for Women's Studies and the Pre-Law Program.

## **Career Opportunities**

Most graduates pursue careers in social service, government, teaching, ministry, and law. The department helps students find internships that fit career targets. Over the last decade a strong track record has been established for placing students, often with excellent scholarships and fellowships, in high-quality graduate schools, including UC Berkeley, Harvard, Yale, UCSD, and UCLA. Our hope is that these who are beginning their post-graduate careers will follow in the footsteps of established alumni who include college professors, librarians, directors of relief agencies, judges, public policy experts, school administrators, diplomats, leaders within religious denominations, and a university president. Students are encouraged and empowered in the department to be creative with their lives in the service of church, community, nation, and world.

## **Majors**

History

International Studies

*Concentrations*

Peace Studies

Europe

Middle East

Russia and the Former Soviet Union

Asia

Latin America

Africa

Political Science

Social Science

## **Minor**

History

## **Courses**

## **Faculty**

Linda M. Beail, Ph.D.

*University of Iowa*

Diana Reynolds Cordileone, Ph.D.

*University of California, San Diego*

Rick A. Kennedy, Ph.D.

*University of California, Santa Barbara*

Jaeyoon Kim, Ph.D.

*University of Oregon*

Dwayne L. Little, Ph.D.  
*University of Cincinnati*

Lindsey J. H. Lupo, Ph.D.  
*University of California, Irvine*

Rosco B. Williamson, Ph.D.  
*University of California, San Diego*

William A. Wood, Ph.D., Chair  
*Indiana University*

# HISTORY MAJOR

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
HIS 270	Research Methods	4

## UPPER-DIVISION REQUIREMENTS

### **Non-Western electives**

Select 8 units from the following

HIS 340	Russia to 1900	4
HIS 342	Twentieth-Century Russia and the Soviet Union	4
HIS 350	Islamic Civilization	4
HIS 355	Modern Middle East	4
HIS 356	Early East Asia	4
HIS 360	Modern South Asia	4
HIS 365	Modern Japan and Korea	4
HIS 368	Modern China Through Film	4
HIS 369	China in Revolution	4

### **European electives**

Select 8 units from the following

HIS 308	Early Modern Europe	4
HIS 311	European Intellectual History	4
HIS 413	Nineteenth-Century Europe	4
HIS 414	Twentieth-Century Europe	4
HIS 415	Europe and the World	4

### **American electives**

Select 8 units from the following

HIS 316	Colonial and Revolutionary America	4
HIS 320	United States History, 1815-1914	4
HIS 370	California History	4
HIS 380	America in the 1960's	4
HIS 425	United States Since 1914	4
HIS 435	Asian-American History: 1800 to Present	4
HIS 436	America in East Asia: 1800 to Present	4
HIS 480	Seminar in San Diego History	4

### **16 Additional upper-division History units**

Choose from any of the courses listed above, below, or approved from a Study Abroad program advisor .

HIS 372	<i>Two Years Before the Mast</i> and the History of Coastal California	2
HIS 375	African Cultures and Histories	3
HIS 460	Internship in History	1-4
HIS 473	Themes in History	4
HIS 475	Topics in Women's History	4
HIS 484	Ancient and Medieval Christianity	3
HIS 486	Modern Christianity	3
HIS 487	Ancient Historians	4
HIS 490	Special Studies in History	1-4
	<b>TOTAL</b>	<b>40</b>

# ***INTERNATIONAL STUDIES MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
ECO 101	Macroeconomics*	3
POL 230	Introduction to International Relations	4
POL 270	Scope and Methods of Political Science	4
POL 290	World Regional Geography	3
	<b>TOTAL</b>	<b>14</b>

## **UPPER-DIVISION CORE REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
POL 370	Comparative Politics	4
POL 415	Women and Politics	4
POL 435	Global Governance	4
POL 450	Issues of Global Human Rights	2
POL 460	Internship in Political Science	3
HIS 415	Europe and the World	4

*\*Requirement in general education*

## **ELECTIVES:8 UNITS FROM THE FOLLOWING (NOT COUNTED TOWARD CONCENTRATION).**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
POL 301	Transitions to Democracy	4
POL 351	War and Peace Studies	4
POL 420	United States Foreign Policy	4
POL 438	International Law	4
POL 442	Contemporary Issues in World Politics	4
POL 444	Contemporary Political Ideologies	4
POL 455	Protest and Social Movements in World Politics	4
HIS 340	Russia to 1900	4
HIS 342	Twentieth Century Russia and the Soviet Union	4
HIS 350	Islamic Civilizations	4
HIS 355	Modern Middle East	4
HIS 356	Early East Asia	4
HIS 360	Urban Politics	4
HIS 365	Modern Japan and Korea	4
HIS 369	China in Revolution	4
HIS 375	African Cultures and Histories	3
HIS 414	Twentieth-Century Europe	4
ECO 315	Theories of Economic Development	4
ECO 410	International Economics*	4
ECO 470	Contemporary Development Planning	4
FCS 315	Personal, Family and Community Health	3
LIT 436	Non-Western Literature*	4
LIT 439	Latin-American Authors*	4

SOC 350	Urban Sociology*	3
SOC 420	Social Change*	3
PHL 351	Asian Philosophies and Religions	3

**\*These courses have prerequisites and may increase the total number of units needed for the major.**

#### **CONCENTRATIONS (8 UNITS)**

Students must declare a concentration in either Peace Studies or a Geographic Region. Students may also complete an individualized concentration consisting of 8 units of relevant coursework and an approved Off-campus Cooperative Program (OCP). Many OCPs have relevant coursework that will meet the concentration requirements with the advisor's approval. Individualized concentrations must be approved by the Department of History and Political Science.

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
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#### **Peace Studies**

POL 351	War and Peace Studies	4
POL 455	Protest and Social Movements in World Politics	4

#### **Europe**

HIS 413	Nineteenth-Century Europe	4
HIS 414	Twentieth-Century Europe	4

#### **Middle East**

HIS 350	Islamic Civilizations	4
HIS 355	Modern Middle East	4

#### **Russia and the Former Soviet Union**

HIS 340	Russia to 1900	4
HIS 342	Twentieth-Century Russia and the Soviet Union	4

#### **Asia**

##### ***Eight units from:***

HIS 360	Modern South Asia	4
HIS 365	Modern Japan and Korea	4
HIS 369	China in Revolution	4

#### **Latin America**

Coursework for concentration available through Off-campus Cooperative Programs.

#### **Africa**

Coursework for concentration available through Off-campus Cooperative Programs.

<b>TOTAL</b>	<b>51</b>
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#### **OFF-CAMPUS COOPERATIVE PROGRAM (OCP) OR WORLD CAPITALS (POL 391)**

Students must enroll in either an approved Off-Campus Cooperative Program or World Capitals program. Acceptable programs must involve a significant period of study outside of the United States. The International Studies advisor in the Department of History and Political Science makes the final determination on acceptable

programs.

# ***POLITICAL SCIENCE MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
POL 101 Introduction to Political Science*	3
POL 165 American Government	4
POL 230 Introduction to International Relations	4
POL 270 Scope and Methods of Political Science	4
<b>TOTAL</b>	<b>15</b>

*\*Meets a requirement in general education*

## **UPPER-DIVISION REQUIREMENTS**

### **AMERICAN GOVERNMENT**

#### **Four units from:**

POL 341 Campaigns and Elections in an Electronic Age	4
POL 380 Congress and the Presidency	4

### **GLOBAL POLITICS**

#### **Four units from:**

POL 420 United States Foreign Policy	4
POL 435 Global Governance	4

### **COMPARATIVE GOVERNMENT**

POL 370 Comparative Politics	4
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### **POLITICAL THEORY**

POL 321 Western Political Thought	4
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### **CAPITALS PROGRAM**

POL 390 American Capitals Program OR	9
POL 391 World Capitals Program	(9)

### **INTERNSHIPS**

POL 460 Internship in Political Science	4
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### **ELECTIVES**

Eight additional units from:

<b>COURSE TITLE</b>	<b>UNITS</b>
POL 301 Transitions to Democracy	4
POL 320 U.S. Constitution and Civil Liberties Law	4
POL 325 American Political Thought	4
POL 330 The Development of Feminist Thought	4
POL 341 Campaigns and Elections in an Electronic Age	4
POL 351 War and Peace Studies	4
POL 360 Urban Politics	4
POL 380 Congress and the Presidency	4
POL 415 Women and Politics	4
POL 420 United States Foreign Policy	4
POL 435 Global Governance	4
POL 437 International Economics*	4
POL 438 International Law	4
POL 441 Issues in Public Policy	4
POL 442 Contemporary Issues in World Politics	4
POL 444 Contemporary Political	4

	Ideologies	
POL 450	Issues of Global Human Rights	2
POL 455	Protest and Social Movements in World Politics	4
POL 490	Special Studies in Political Science	1-4
	<b>TOTAL</b>	<b>52</b>

*\*Required prerequisite for this course increases the number of units in the major.*

## ***SOCIAL SCIENCE MAJOR***

This major is specifically designed for secondary teaching. Students desiring to become secondary social science teachers should complete the Single Subject requirements as outlined under the School of Education.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
HIS 110	World Civilizations I	3
HIS 111	World Civilizations II	3
HIS 270	Research Methods	4
ECO 101	Principles of Economics I	3
ECO 102	Principles of Economics II	3
SOC 101	Introduction to Sociology	3
POL 165	American Government	4
POL 190	The Politics of Race, Class, and Gender	4
POL 290	World Regional Geography	3
	<b>TOTAL</b>	<b>30</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
HIS 316	Colonial and Revolutionary America	4
HIS 320	United States History, 1815- 1914	4
HIS 370	California History	4
HIS 425	United States Since 1914	4
<b>One course from:</b>		
HIS 413	Nineteenth-Century Europe	4
HIS 414	Twentieth-Century Europe	4
<b>One course from:</b>		
HIS 350	Islamic Civilizations	4
HIS 355	Modern Middle East	4
<b>One course from:</b>		
HIS 356	Early East Asia	4
HIS 360	Modern South Asia	4
HIS 365	Modern Japan and Korea	4
HIS 369	China in Revolution	4
<b>One course from:</b>		
POL 320	U.S. Constitution and Civil Liberties Law	4
POL 380	Congress and the Presidency	4
	<b>TOTAL</b>	<b>32</b>

## ***HISTORY MINOR***

A History minor, consisting of 18 units, is available for those in other majors who nevertheless desire to learn some of the skills and content available to History majors. The requirements are:

<b>COURSE TITLE</b>	<b>UNITS</b>
HIS 110 World Civilizations I	3
HIS 111 World Civilizations II	3
Upper-division Non-Western elective	4
Upper-division European elective	4
Upper-division American elective	4
<b>TOTAL</b>	<b>18</b>

# *HISTORY AND POLITICAL SCIENCE COURSES*

## **History**

### ***Lower-Division***

#### **HIS 110 (3) WORLD CIVILIZATIONS I–GE**

A survey of world societies from the earliest Eurasian civilizations to the era of European expansion in the 16th century. Offered every fall and spring.

#### **HIS 111 (3) WORLD CIVILIZATIONS II–GE**

A survey of world societies from the era of European voyages of discovery to the formation of a global civilization in the late 20th century. Offered every fall and spring.

#### **HIS 270 (4) RESEARCH METHODS**

An introduction to historical methods and the skills necessary for upper division work in history. While writing several short papers and one major research paper, students practice a wide range of research skills such as analyzing primary and secondary texts, working in archives and libraries, editing and revising, note taking, and documentation. In addition, class readings on contemporary historiography and new methods such as cultural studies and material culture acquaint students with the wide range of approaches to history. Students also visit local libraries, archives, and museums, and are encouraged to investigate the opportunities available for internships and career development during their student years.

### ***Upper-Division***

#### **HIS 308 (4) EARLY MODERN EUROPE**

Political, cultural, and intellectual development in continental Europe from 1648-1789. Emphasis is on the Scientific Revolution and Enlightenment, European expansion, and the social transformation of Europe leading to the French Revolution.

#### **HIS 311 (4) EUROPEAN INTELLECTUAL HISTORY**

An upper-division seminar on the intellectual history of Europe from the 1780s through the end of the 19th century. Readings analyze the rise of the national intellectual traditions in England and on the Continent, including Rousseau, Kant, Hegel, Schopenhauer, Mill, Nietzsche, Freud, and others. Emphasis on the rise of philosophical irrationalism within the context of post-Enlightenment thought. Also crosslisted as Philosophy 311.

#### **HIS 316 (4) COLONIAL AND REVOLUTIONARY AMERICA**

North American history from initial Indian, Spanish, French, and British attempts to create working relationships to the fracturing of the French and Indian War, Revolutionary War, and War of 1812. The course emphasizes the diverse political experiments and struggles that characterize 17th and 18th-century North America, especially the intellectual roots and contemporary ideas manifested in the United States Constitution.

#### **HIS 320 (4) UNITED STATES HISTORY, 1815-1914**

An analysis of the political leadership of Andrew Jackson and Abraham Lincoln; the ideas of liberalism, nationalism, expansion, and industrialization; the social impact of religious revivals, slavery, and feminism; and the cataclysmic impact of the Mexican, Civil, and Spanish-American wars as the nation hurtled toward world power status after World War I.

#### **HIS 340 (4) RUSSIA TO 1900**

A history of Russia from the establishment of Kievan Rus to the end of the 19th century, emphasizing the factors involved in the rise and development of the Russian Empire.

#### **HIS 342 (4) TWENTIETH-CENTURY RUSSIA AND THE SOVIET UNION**

Beginning with the Revolution of 1905, this course examines the cataclysmic changes which have taken place in the Russian Empire and the Soviet Union during the 20th century.

#### **HIS 350 (4) ISLAMIC CIVILIZATION**

This course surveys the history of the Islamic world from the birth of Muhammad to 1800, with special focus on the religion of Islam and its impact on diverse Muslim societies.

#### **HIS 355 (4) MODERN MIDDLE EAST**

This course is a history of the Middle East since 1800, focusing on European imperialism, colonialism, nationalism, Arab-Israeli conflicts, and Islamic revival movements.

#### **HIS 356 (4) EARLY EAST ASIA**

An introduction to the societies and cultures of pre-modern China, Japan, and Korea, three of the countries that make up the geographical and cultural unit of East Asia.

**HIS 360 (4) MODERN SOUTH ASIA**

The Indian subcontinent from the Early Modern period to the present, with emphasis on the interaction between South Asia and the wider world, especially the modern West.

**HIS 365 (4) MODERN JAPAN AND KOREA**

This course explores the forces of continuity and change in the transformation of Japan and Korea since the mid-16th century; examines each country's role in the other's "modernization;" and explores the region's interaction with the West in the run-up to the "Pacific Century."

**HIS 368 (4) MODERN CHINA THROUGH FILM**

This is a lecture class on films reflecting critically on historical interpretations of modern China. Emphasis is on the analysis of social and political themes reflected in the historical periods, the explication of cultural aspects, and the discussion of the narrative structure that develops a human tragedy or comedy through modern Chinese history.

**HIS 369 (4) CHINA IN REVOLUTION**

China in Revolution introduces the epic sweep of China's modern transformations. The class examines the uneasy relationship between past and present in modern China. The changing understandings of China's cultural and political pasts and the problems and paradoxes of Chinese modernity are the themes of this course.

**HIS 370 (4) CALIFORNIA HISTORY**

A comprehensive survey of California from prehistory through Spanish exploration, Mexican rule, and evolution as an American state since 1850. Emphasis is placed on comparing myth to reality, new directions in interpretation, and demonstrating how past social, economic, and political events have had an impact on the present.

**HIS 372 (2) TWO YEARS BEFORE THE MAST AND THE HISTORY OF COASTAL CALIFORNIA**

While sailing on the *Californian*, a replica of an 1847 Revenue Cutter that patrolled the coast of California, this course uses R.H. Dana's *Two Years Before the Mast* as the focal point for studying the multi-cultural history of the California coast before the 1850s. Summer only.

**HIS 375 (3) AFRICAN CULTURES AND HISTORIES**

An interdisciplinary examination of the social and cultural histories of Africa with emphasis on the contact between Africans and Europeans since the late Nineteenth Century. Crosslisted with Sociology 375.

**HIS 380 (4) AMERICA IN THE 1960'S**

The study of this pivotal decade focuses on many social, economic, political, and military themes, including the Vietnam War, assassinations, Cold War, civil rights, the war against poverty, the space race, women's rights, urban riots, student unrest, music, and other cultural manifestations of alienation from the prevailing American culture.

**HIS 390 (3-15) OFF-CAMPUS COOPERATIVE PROGRAMS**

This course provides history credit for participation in an off-campus studies program approved by the department, such as historical and archaeological programs offered through other colleges and universities or those offered on a special basis by Point Loma. Application for approval is made to the departmental office.

**HIS 413 (4) NINETEENTH-CENTURY EUROPE**

A survey of European society and politics from 1789 to 1914. Emphasis is placed on the French Revolution, the industrial revolution, national unification, and the European balance of power until 1914.

**HIS 414 (4) TWENTIETH-CENTURY EUROPE**

A survey of European history since World War I. Special attention is given to the rise of fascist regimes, the Cold War, and the opening of Eastern Europe since 1989.

**HIS 415 (4) EUROPE AND THE WORLD**

European imperialism since 1800 with an emphasis on the British Empire in India and the European scramble for Africa. Lectures and readings compare different national approaches to colonialism and Empire, assess the impact of Empire on the cultural and political developments of the European nations, and consider the legacy of colonialism in the 20th century.

**HIS 425 (4) UNITED STATES SINCE 1914**

Beginning with the outbreak of World War I, analyzes in detail the kaleidoscopic nature of contemporary American life. Emphasizes the shift from traditional values to modern relativism and secularism, the benefits and liabilities of being a world power, and the impact of great personalities as the nation threaded its way

through depression, wars, scandals, and technological advance.

**HIS 435 (4) ASIAN-AMERICAN HISTORY: 1800 TO THE PRESENT**

This course introduces the field of Asian-American history, which examines the experiences of people of Chinese, Japanese, Korean, South Asian, Filipino, and Southeast Asian ancestry in the United States.

**HIS 436 (4) AMERICA IN EAST ASIA: 1800 TO THE PRESENT**

This course is designed to acquaint students with the on-going interchange between the U.S. and East Asian countries. Although several units of the course are devoted to China, Japan, and Korea, attention is also given to such Southeast Asian countries as Vietnam and the Philippines. Among the themes explored in the course are tradition and modernization, collisions between East and West, democracy and authoritarianism, imperialism and nationalism, and interdependence and independence.

**HIS 460 (1-4) INTERNSHIP IN HISTORY**

A learning experience in a work environment at selected sites. Students are under the supervision of an on-site supervisor and a faculty academic advisor.

*Prerequisite: Consent of instructor.*

**HIS 473 (4) THEMES IN HISTORY**

An intensive study of a selected historical theme in either American or world history based, in part, on the usage of primary sources. May be repeated for a maximum of eight units.

**HIS 475 (4) TOPICS IN WOMEN'S HISTORY—WS**

This seminar explores themes in the field of women's history. Women's roles and historical contributions, the context of gender relations, and methodologies of social and intellectual history studied within a specific era or topic in American or world history.

**HIS 480 (4) SEMINAR IN SAN DIEGO HISTORY**

Students in this seminar focus on a significant social, economic, or political theme in local history. Most of the research uses to best advantage the wide range of primary sources located in San Diego area archives. Working with the professor and fellow students, research papers are prepared to professional standards which may lead to publication in a historical journal.

**HIS 484 (3) ANCIENT AND MEDIEVAL CHRISTIANITY**

A study of Christianity from its birth within a mixture of Jewish, Persian, Greek, and Roman cultures through its influence on the birth and development of Europe before the Reformation. The course emphasizes cultural history rather than theological debates. The major themes are missionary strategies, relationships between church and state, models of holiness and Christianity's vital role in the development of books, libraries, curricula, schools, and universities, including the special emphasis Christianity placed on historical confidence in the Bible. The course involves reading and discussing histories written by Luke, Eusebius, Augustine, Bede, and Bonaventure. The course welcomes non-majors.

**HIS 486 (3) MODERN CHRISTIANITY**

A study of the Christian church since the Protestant Reformation, with consideration of American Christianity from its European background to the present.

**HIS 487(4) THE ANCIENT HISTORIANS**

An intensive reading seminar using translations of ancient histories, this course focuses on the history of the Fertile Crescent and the Mediterranean from the beginnings of the Persian Empire to the fall of the Western Roman Empire as told by ancient historians. Use of evidence, conceptions of time and purpose, and the responsibilities of the historian are emphasized along with the narrative presented by historians such as Moses, Herodotus, Livy, Plutarch, Luke, Eusebius, and Tacitus.

**HIS 490 (1-4) SPECIAL STUDIES IN HISTORY**

An individualized study of a special topic or an internship applying the critical skills of the historian. The project must be approved and supervised by a department faculty member. May be repeated for a maximum of eight units.

*Prerequisite: Consent of instructor.*

## **Political Science**

### ***Lower-Division***

**POL 101 (3) INTRODUCTION TO POLITICAL SCIENCE—GE**

A survey of the major elements of the political world. The course focuses on important concepts of political philosophy and behavior, structures of government, and the people and processes of politics.

**POL 165 (4) AMERICAN GOVERNMENT**

A study of American political ideas, governmental institutions, and political processes at the national, state, and local levels. The study also describes and evaluates the major policy commitments of the national government. Meets the United States Constitution requirement to obtain a California teaching credential.

**POL 190 (4) THE POLITICS OF RACE, CLASS, AND GENDER—GE/WS**

An introduction to politics, using an interdisciplinary approach to contemporary controversies surrounding issues of ethnicity, socioeconomic class, and gender. The course includes historical, legal, and political perspectives.

**POL 230 (4) INTRODUCTION TO INTERNATIONAL RELATIONS**

An investigation of the structures of international relations with reference to conflict and cooperation. Topics include the national interest, alliances, the causes of war, conflict resolution, diplomacy, and international law.

**POL 270 (4) SCOPE AND METHODS OF POLITICAL SCIENCE**

An examination of the scope of the discipline of political science and the methodological skills used in the study of political phenomena.

**POL 290 (3) WORLD REGIONAL GEOGRAPHY**

A survey of the six major geographical regions of the world, and the interaction between the geological and geographical environments and the social and cultural structures of the peoples of those regions.

***Upper-Division***

**POL 301 (4) TRANSITIONS TO DEMOCRACY**

This course explores the democratization process from start to finish, including all phases from cracks in the authoritarian regime to consolidation and issues of transitional justice. The course also deconstructs the process in stages so as to provide an overview of conditions that might help or hinder the process. Particular attention is given to "third wave" transitions (1974-1991), such as Portugal, Chile, Argentina, Germany, and the former Soviet Union. Current-day examples of transitions to and away from democracy are included as well.

**POL 320 (4) U.S. CONSTITUTION AND CIVIL LIBERTIES LAW**

A survey of the basic tenets of constitutional law with an emphasis on civil liberties embodied in the Bill of Rights and major Supreme Court decisions.

**POL 321 (4) WESTERN POLITICAL THOUGHT**

Study of canonical texts by important political thinkers throughout the history of Western civilization, such as Plato, Aristotle, Hobbes, Locke, Marx, and Foucault. Issues of enduring interest to political philosophers, such as freedom, justice, and authority are discussed.

**POL 325 (4) AMERICAN POLITICAL THOUGHT**

Foundations of democratic theory and the development of political thought in the American experience, from its Enlightenment roots to post-modern challenges.

**POL 330 (4) THE DEVELOPMENT OF FEMINIST THOUGHT—WS**

A survey of the development of various strands of feminist thought, and engagement in current conversations within and about feminism.

**POL 341 (4) CAMPAIGNS AND ELECTIONS IN AN ELECTRONIC AGE**

This course analyzes the American electoral process with regard to the history of the political party system, recent trends in partisanship and vote choice, basic techniques of political advertising, and the role of television news, the Internet, and other electronic media in campaigns.

**POL 351 (4) WAR AND PEACE STUDIES**

The first part of this course explores traditional theories and modern scientific studies of war. The course then moves to an analysis of the Vienna and Versailles peace conferences, alternative peace paradigms, and then methods of peace research and avenues of policy action.

**POL 360 (4) URBAN POLITICS**

The course introduces students to urban politics in a discussion of the history of American cities, primarily through the lens of race and class. The course also includes the most significant political and policy problems affecting American urban areas, including violence, education, housing, and employment.

**POL 370 (4) COMPARATIVE POLITICS**

An introduction to the political processes and institutions within countries, with a focus on comparing these across regions. Topics include forms of governance, revolutions, ethnic conflict, and development. A different region of the world will be highlighted to explore these issues each year.

**POL 380 (4) CONGRESS AND THE PRESIDENCY**

A study of the legislative and executive branches of American government. Topics include the structure and functions of the United States Congress and the presidency, relations between the branches, and the role of interest groups in influencing legislators and executives.

**POL 390 (9) AMERICAN CAPITALS PROGRAM**

This three-course sequence of classes in political issues and governmental processes is taken in either Sacramento, California, or Washington, D.C. The sequence is taken in conjunction with Political Science 460 and together the courses provide students with politically contextualized study and experience in government. Available only through the Sacramento Semester Program in Sacramento, or the American Studies or Washington Semester Program in Washington, D.C.

**POL 391 (9) WORLD CAPITALS PROGRAM**

This sequence of classes in political issues and governmental processes is taken in the national capital of another country. The sequence is taken in conjunction with Political Science 460 and together they provide students interested in world or comparative politics the opportunity for politically contextualized study and experience.

**POL 415 (4) WOMEN AND POLITICS–WS**

An examination of women's role in political life. The content includes analysis of gender as a legitimate category of political inquiry, gender-based social movements, women's political participation, and the impact of political systems and public policy on women.

**POL 420 (4) UNITED STATES FOREIGN POLICY**

A study of the policy-making process, including the roles of public opinion and the president, the United States Congress, and the bureaucracy. The course also investigates the challenges and opportunities facing the United States in the new post-Cold War world of economic competition.

**POL 435 (4) GLOBAL GOVERNANCE**

This course reviews and evaluates the evolving mechanisms for global order and justice. Primary attention is given to the United Nations system, international law, and the expansion of international regimes.

**POL 437 (4) INTERNATIONAL ECONOMICS**

This course presents detailed treatment of theories and models of international trade, rationale for barriers to trade, government trade policies, international trade agreements and organizations, balance of payments, exchange rate regimes, currency unions, and foreign debt issues. Crosslisted as Economics 410.

*Prerequisites: Economics 101 and 102 or consent of instructor.*

**POL 438 (4) INTERNATIONAL LAW**

This course introduces advanced undergraduate students to the development and content of international law, in particular its role in the current practice of international relations. Topics include laws of war, use of force, minority rights, environmental law, and the future of international law.

*Prerequisite: Political Science 435 or consent of instructor.*

**POL 441 (4) ISSUES IN PUBLIC POLICY**

A study of the policy-making process in the United States, illustrated by an in-depth study of a contemporary public policy issue.

**POL 442 (4) CONTEMPORARY ISSUES IN WORLD POLITICS**

An in-depth study of selected issues in contemporary world politics, such as arms control issues, environmental issues, convergence issues, and virtual diplomacy.

**POL 444 (4) CONTEMPORARY POLITICAL IDEOLOGIES**

This course examines political ideologies that shape beliefs, values, and actions of political movements and regimes. Topics include totalitarianism, authoritarianism, socialism, and democracy. Includes an in-depth study of democratic theory and practice globally.

**POL 450 (2) ISSUES OF GLOBAL HUMAN RIGHTS**

This course reviews the causes of such gross violations of human rights as genocide, torture, and "ethnic cleansing," the corpus of international human rights law, and emerging areas of human rights concern.

**POL 455 (4) PROTEST AND SOCIAL MOVEMENTS IN WORLD POLITICS**

This course looks at the theories and concepts behind studies of social movements and seeks to answer such questions as "Why do they happen?" and "Are they effective?" In addition to theory, the course utilizes case studies of particular social movements in world politics, such as urban protests, civil rights movements, environmental causes, democratization efforts, religious movements, and gender-related movements.

**POL 460 (2-4) INTERNSHIP IN POLITICAL SCIENCE**

A learning experience in a work environment at a selected governmental or public advocacy site. Students

are under the supervision of an on-site supervisor and an academic advisor.

*Prerequisite: Consent of instructor.*

**POL 490 (1-4) SPECIAL STUDIES IN POLITICAL SCIENCE**

An individualized study of a topic applying the special skills of a political scientist. The project must be approved and supervised by an academic advisor. May be repeated up to a total of eight units.

*Prerequisite: Consent of instructor.*

# ***KINESIOLOGY***

## **Purposes**

- To provide students the opportunity to participate in a program designed to aid in the development of physical efficiency, healthful living, social cooperation and individual activity for the enjoyable and intelligent use of leisure time;
- To introduce students to the potential benefits of a stimulating systematic exercise program;
- To prepare students for careers in teaching, coaching, therapeutic science, athletic training, and recreation-oriented community service programs.

## **Tradition of Excellence**

The Department of Kinesiology offers students many unique opportunities. Students participate with experienced and nationally recognized professors in a dynamic, hands-on educational experience. The faculty gives the students a deep insight into the area of sport and physical education, making the program perfect for a variety of interests. In addition, the Athletic Training Education Program (ATEP) is nationally accredited by the Commission on the Accreditation of Athletic Training Education Programs (CAATE). As part of the educational program, students participate in practical laboratory and internship programs, observation and participation in hospitals and physical therapy centers, observation of surgery and special lecture series with medical doctors and other medical experts.

## **Career Opportunities**

Graduates of the Department of Kinesiology are prepared for a variety of opportunities that await them after leaving PLNU. Many students go on to graduate schools in physical therapy, physical education, exercise physiology and medical school. Other students become teachers and/or coaches. Still others go on to work as program directors at hospitals and sports clinics. With the experiences and education found at PLNU, the opportunities in fields related to Kinesiology become reality.

## **Majors**

Athletic Training  
Exercise Science  
Physical Education

## **Minor**

Athletic Coaching

## **Courses**

Athletic Training  
Kinesiology and Physical Education  
Physical Education

## **Faculty**

Ted Anderson, Ph.D.  
*Texas A&M University*

Jerry L. Arvin, M.S.  
*Butler University*

Ann E. Davis, M.Ed.  
*National University*

Ben E. Foster, M.A.  
*San Diego State University*

Susan E. Ganz, Ph.D.  
*University of New Mexico*

Timothy M. Hall, Ed.D.  
*Alliant International University*

Richard M. Hills, M.A.  
*San Diego State University*

Leon M. Kugler, Ph.D.  
*University of Toledo*

Alan G. Nakamura, M.A.  
*Azusa Pacific University*

Shane H. Peterson, M.A.  
*Azusa Pacific University*

Brandon J. Sawyer, M.Ed., Visiting  
*University of Virginia, Charlottesville*

Jeff A. Sullivan, Ph.D., Chair  
*Oregon State University*

William B. Westphal, M.Ed.  
*Occidental College*

Arthur J. Wilmore, M.A.  
*California Polytechnic State University*

# ***ATHLETIC TRAINING MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CHE 103	Introduction to General , Organic, and Biological Chemistry <i>OR</i>	5
CHE 152	General Chemistry	4
BIO 130	Human Anatomy and Physiology I	4
BIO 140	Human Anatomy and Physiology II	4
KPE 101	Orientation to Kinesiology, Physical Education, Athletic Training	1
KPE 280	Introduction to Athletic Training	2
KPE 280-L	Introduction to Athletic Training Lab	1
ATR 102	Risk Management and Emergency Response	1
ATR 290	Clinical Internship I	3
ATR 291	Clinical Internship II	3
	<b>TOTAL</b>	<b>24-25</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
KPE 312	Motor Learning and Motor Development	3
KPE 325	Structural Kinesiology	2
KPE 327	Applied Biomechanics	2
KPE 340	Physiology of Exercise	3
KPE 440	Measurement, Statistics and Evaluation of Human Performance	3
ATR 385	Pathology of Injury and Illness	3
ATR 387	Assessment of Lower Extremity Pathology	3
ATR 388	Assessment of Head, Spinal, and Upper Extremity Pathology	3
ATR 390	Clinical Practicum I	3
ATR 391	Clinical Practicum II	3
ATR 410	Therapeutic Exercise	3
ATR 415	Therapeutic Modalities and Pharmacology	4
ATR 460	Management of Allied Health Care	3
ATR 493	Clinical Preceptorship I	2
ATR 494	Clinical Preceptorship II	1
	<b>TOTAL</b>	<b>41</b>

## **RECOMMENDED COURSES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PED 300	Optimal Health	2
PED 470	Praxis of Strength Training, Conditioning and Kinesiatrics	3

## **ACCREDITATION OF THE ATHLETIC TRAINING EDUCATION PROGRAM**

The ATEP is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

### **ADMISSION TO THE ATHLETIC TRAINING EDUCATION PROGRAM (ATEP)**

Students must apply for admission to the major. Space in the sophomore, junior and senior level courses is limited, and admission to the Athletic Training major is competitive. Selections for participation in the ATEP are made during the spring for the following fall semester.

### **ELIGIBILITY**

Students are eligible to be considered for the Point Loma Nazarene University ATEP when the following criteria are met:

- Submit an ATEP Application for Admission\* by the first Friday in March.
- Submit three letters of recommendation on the ATEP form.\*
- Complete all competencies required in Kinesiology and Physical Education 280 Introduction to Athletic Training and the companion laboratory Kinesiology and Physical Education 280L and achieve a grade of B- or better.
- Complete all competencies in Athletic Training 102 Risk Management and Emergency.
- Response and achieve a grade of B- or better.
- Completion of 36 hours of observation in the PLNU Athletic Training Clinic verified by a PLNU ATC. Transfer students may do their observation in another Athletic Training setting, with hours verified by an ATC who must have their signature notarized.
- Have a minimum grade point-average of 2.500\*\*.
- Submit a PLNU physical examination form\*, see under Health Status below.
- Meet and certify understanding of the Technical Standards for Admission to the ATEP.
- Agree to and sign the PLNU Mission Statement Code of Conduct
- Submit immunization record\*.
- Complete an interview with the ATEP Admissions Committee.

\* Available on the PLNU ATEP Web site:

<http://www.pointloma.edu/Kinesiology/Programs/AthleticTraining/AthleticTrainingAdmission.htm>

\*\* Probationary admission status may be considered under special circumstances.

### **SELECTION**

- The ATEP Admissions Committee, comprised of ATEP faculty members and one student from each of the three student cohorts, rate each applicant on the following: quality of application, letters of recommendation, interview, clinical observation experience, grades in required courses, cumulative GPA, and completion of Technical Standards assessment and Code of Conduct endorsement.
- Students are selected for admission to the ATEP in April and begin the program in August of the following academic year. These students are deemed the cohort of the year they are projected to graduate.

### **HEALTH STATUS**

- Submit a PLNU physical examination form completed by a physician or physician assistant stipulating the candidate is physically able to meet the technical standards and perform the duties of an Athletic Training student.
- Students must have current immunizations prior to beginning their sophomore clinical courses. Immunization reporting form is available on the ATEP Web site:  
<http://www.pointloma.edu/Assets/PLNU/Kinesiology/Athletics+PDF+Forms/Immunization+Record.pdf>

### **PROBATIONARY ADMISSION STATUS**

Should an applicant not meet the required prerequisite course grades or cumulative GPA requirement, he/she may apply to the program and be considered for a probationary admission status if all other admission criteria are met. A student admitted to the ATEP on probationary status must meet the requirements for retention in the ATEP as outlined below, or that student is not permitted to continue in the program.

### **RETENTION**

All students admitted to the ATEP must maintain the following minimum standards to remain in good standing in the program:

- Maintain a 2.500 cumulative GPA.
- Adhere to and exhibit high levels of performance on the Technical Standards and enthusiastically adhere to and promote the Mission of the PLNU ATEP.
- Earn a grade of C or better in the following courses: Athletic Training 290, 291, 385, 387, 388, 390,

391, 410, 415, 460, 493, 494.

#### **PROGRAM PROVISIONS**

- Students are required to commute to off-campus internships via their own transportation arrangements.
- Students are required to wear clothing that identifies them as a Student Athletic Trainer from PLNU. Most items are provided to students by the ATEP.
- To complete the ATEP course of study requires a minimum of three academic years.

#### **TRANSFER STUDENT POLICY**

Transfer students may apply and gain admission to the ATEP under the following provisions, which should be met prior to application to the program:

- After admission to the university and the ATEP, completion of the degree in Athletic Training requires a minimum of six semesters (typically three years) regardless of student classification and number of semester units completed.
- All applicants are required to complete 36 hours of directed observation and all prerequisite courses (Athletic Training 102 and Kinesiology and Physical Education 280 and 280L or their equivalents) prior to application.
- All prerequisite course work required for admission to the ATEP completed at another institution prior to matriculation to PLNU must be judged to be equivalent to PLNU courses. The student must demonstrate attainment of educational competencies required in those three courses by submitting the following to the ATEP director prior to applying: 1) official transcript(s) and course descriptions of all prerequisite courses with grades of B- or higher, 2) a university catalog copy showing prerequisite course descriptions, and 3) a course syllabus or contact information for the faculty who taught each of the courses.

Any Athletic Trainer (AT) may verify the 36 hours of required observation in an Athletic Training setting. If the verifying AT is not an employee of PLNU, a notary public must authenticate the signature. The log of hours and the AT verification of those hours must be presented with the ATEP application on the form found on the ATEP Web site: [www.pointloma.edu/Kinesiology/Programs/AthleticTraining.htm](http://www.pointloma.edu/Kinesiology/Programs/AthleticTraining.htm).

#### **NON-DISCRIMINATION POLICY**

The PLNU Athletic Training Education Program does not discriminate on the basis of gender, race, color, national or ethnic origin in any aspect of the administration of its educational program.

#### **NATIONAL CERTIFICATION**

Upon completion of the baccalaureate degree in Athletic Training, students are eligible to apply for and take the NATA Board of Certification examination. Student Athletic Trainers who pass the national examination become Certified Athletic Trainers.

# ***EXERCISE SCIENCE MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
CHE 152 General Chemistry I	4
CHE 153 General Chemistry II	4
BIO 210 Cell Biology and Biochemistry	4
BIO 130 Human Anatomy and Physiology I	4
BIO 140 Human Anatomy and Physiology II	4
BIO 220 Microbiology of Infectious Diseases	5
KPE 101 Orientation to Kinesiology, Physical Education, Athletic Training	1
KPE 280 Introduction to Athletic Training	2
PSY 103 General Psychology <i>Certification in First Aid and CPR</i>	3
<b>TOTAL</b>	<b>31</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
PSY 321 Abnormal Psychology	3
PED 300 Optimal Health	2
KPE 312 Motor Learning and Motor Development	3
KPE 325 Structural Kinesiology	2
KPE 327 Applied Biomechanics	2
KPE 340 Physiology of Exercise	3
KPE 440 Measurement, Statistics and Evaluation of Human Performance	3
ATR 385 Pathology of Injury and Illness	3
<i>One additional upper-division elective in the Department of Kinesiology</i>	3
KPE 430 Advanced Exercise Physiology <i>OR</i> <b>One of the following:</b>	3
ATR 387 Assessment of Lower Extremity Pathology	(3)
ATR 388 Assessment of Head, Spinal and Upper Extremity Pathology	(3)
ATR 410 Therapeutic Exercise	(3)
ATR 415 Therapeutic Modalities and Pharmacology	(4)
KPE 488 Internship in Kinesiology	(3)
BIO 470 Neuroscience	(3)
CHE 295 Organic Chemistry I	(5)
PSY 308 Developmental Psychology-Birth Through Adolescence	(4)
<b>TOTAL</b>	<b>30-31</b>

# ***PHYSICAL EDUCATION MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIO 130	Human Anatomy and Physiology I	4
BIO 140	Human Anatomy and Physiology II	4
CHE 103	Intro to General, Organic, and Biological Chemistry	5
ATR 102	Risk Management and Emergency Response <i>OR</i> Certification in First Aid and CPR	2
KPE 101	Orientation to Kinesiology, Physical Education, Athletic Training	1
KPE 280	Introduction to Athletic Training	2
KPE 280-L	Introduction to Athletic Training Lab	1
PED 210	Team Sports Fundamentals	2
PED 211	Individual and Dual Sports I	2
PED 212	Team Sports Strategies	2
PED 213	Individual and Dual Sports II	2
	<b>TOTAL</b>	<b>27</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PED 300	Optimal Health	2
PED 301	Contemporary Health Issues	2
PED 303	Sports Officiating	2
PED 330	History and Trends of Physical Education	3
PED 350	Foundations and Techniques of Coaching	4
PED 480	Leadership in Physical Education-Related Programs	3
KPE 312	Motor Learning and Motor Development	3
KPE 325	Structural Kinesiology	2
KPE 327	Applied Biomechanics	2
KPE 340	Physiology of Exercise	3
KPE 440	Measurement, Statistics and Evaluation of Human Performance	3
	<b><i>Six additional upper-division units in Kinesiology, Physical Education, and Athletic Training</i></b>	<b>6</b>
	<b>TOTAL</b>	<b>35</b>

## ***ATHLETIC COACHING MINOR***

### **REQUIRED**

<b>COURSE TITLE</b>	<b>UNITS</b>
PED 300 Optimal Health*	2
PED 350 Foundations and Techniques of Coaching	4
PED 470 Praxis of Strength Training, Conditioning, and Kinesiatrics	3
KPE 280 Introduction to Athletic Training	2
KPE 280-L Introduction to Athletic Training Lab	1
PED 484 Practicum in Coaching <i>OR</i> PED 488 Internship in Coaching	3
<b><i>One of the following:</i></b>	
PED 210 Team Sports Fundamentals	2
PED 211 Individual and Dual Sports I*	2
PED 212 Team Sports Strategies*	2
PED 213 Individual and Dual Sports II*	2
<i>*Satisfies general education requirement</i>	
<b>TOTAL</b> (includes 4 units that meet general education requirements)	<b>17</b>

# ***ATHLETIC TRAINING COURSES***

## ***Lower-Division***

### **ATR 102 (2) RISK MANAGEMENT AND EMERGENCY RESPONSE**

Prevention, recognition, and management of health emergencies.

*Corequisite: Kinesiology and Physical Education 101.*

### **ATR 290 (3) CLINICAL INTERNSHIP I**

Instruction, practice, and supervision in the clinical aspects of Athletic Training by a Certified Athletic Trainer/Clinical Instructor in an offcampus setting. This is an equipment-intensive course. Special Fee.

*Prerequisites: Admission to ATEP.*

### **ATR 291 (3) CLINICAL INTERNSHIP II**

Instruction and supervision in the clinical aspects of Athletic Training by a Certified Athletic Trainer/Clinical Instructor. This is a lower-extremity focused course. Special Fee.

*Prerequisites: Admission to ATEP and consent of instructor.*

## ***Upper-Division***

### **ATR 385 (3) PATHOLOGY OF INJURY AND ILLNESS**

An in-depth study of the etiological factors and care of injury and illness. Mechanisms of injury, pathology of illness, topographical appearance, imaging technology for assessment, implications for return to activity and long term health sequelae serve as the matrix for study of pathology. Psychology of injury and illness is studied.

### **ATR 387 (3) ASSESSMENT OF LOWER EXTREMITY PATHOLOGY**

Through the systematic application of the HIPS method of assessment injuries of the pelvis and lower extremity are studied. Mastering clinical note taking and clinical role playing in lab setting allow students to practice neuromusculoskeletal injury assessment.

### **ATR 388 (3) ASSESSMENT OF HEAD, SPINAL, AND UPPER EXTREMITY PATHOLOGY**

Through the systematic application of the HIPS method of assessment injuries of the axial skeleton, central nervous system, thorax, abdomen, and the upper extremity are studied. Clinical note taking must be mastered. Clinical role playing in lab setting allows students to practice neuromusculoskeletal injury assessment.

### **ATR 390 (3) CLINICAL PRACTICUM I**

Advanced practice and supervision in the clinical aspects of Athletic Training by a Certified Athletic Trainer/Clinical Instructor in a collegiate setting. Special Fee.

*Prerequisite: Athletic Training 291.*

### **ATR 391 (3) CLINICAL PRACTICUM II**

Clinical experience in a collegiate setting under the supervision of a Certified Athletic Trainer/Clinical Instructor. Emphasis is on therapeutic modalities and nutrition. Special Fee. *Prerequisite: Athletic Training 390 and consent of instructor.*

### **ATR 410 (3) THERAPEUTIC EXERCISE**

Theory and practice of active therapeutic techniques including manual, William's, and McKensie therapies, proprioceptive neuromuscular facilitation and progressive resistance.

### **ATR 415 (4) THERAPEUTIC MODALITIES AND PHARMACOLOGY**

Use, physiological effects and contraindications of thermal, electrical, acoustic, and cryogenic modalities.

Study of drug classifications and medico-legal aspects of therapeutic and pharmacological treatments.

Special Fee.

### **ATR 460 (3) MANAGEMENT OF ALLIED HEALTH CARE**

Leadership theory and practices in allied health care. Trends in national and international health care.

### **ATR 493 (2) CLINICAL PRECEPTORSHIP I**

Advanced clinical experience in orthopedic surgery and sports medicine clinic under the supervision of an orthopedic surgeon and Certified Athletic Trainer/Clinical Instructors. General medical emphasis.

### **ATR 494 (1) CLINICAL PRECEPTORSHIP II**

Advanced clinical experience in family medicine. Includes capstone clinical experience and mock certification examination. General medical emphasis.

*Prerequisite: Admission to the ATEP.*

# ***KINESIOLOGY AND PHYSICAL EDUCATION COURSES***

## ***Lower-Division***

### **KPE 101 (1) ORIENTATION TO KINESIOLOGY, PHYSICAL EDUCATION, ATHLETIC TRAINING**

An introductory course dealing with the expectations, opportunities, and the nature of the professions for which students of the department might prepare. Topics addressed include essential computer skills, library and internet search techniques, ethics, issues for women and men in the work place, trends in sport coaching, officiating, sports medicine and physical education, professional organizations, and personal accountability.

### **KPE 280 (2) INTRODUCTION TO ATHLETIC TRAINING**

Recognition and initial care of commonly occurring injuries to active people. Objective methods of determining if a person is able to continue to play following injury or if referral to medical care is required. Special fee.

## ***Upper-Division***

### **KPE 280-L (1) INTRODUCTION TO ATHLETIC TRAINING LAB**

Skill acquisition in the techniques and procedures required of the Athletic Training clinician. Laboratory instruction on techniques of strapping, binding, and wound management. Required of Athletic Training majors. Special fee.

*Corequisite: Kinesiology and Physical Education 280.*

### **KPE 312 (3) MOTOR LEARNING AND MOTOR DEVELOPMENT**

Motor Development: A study of motor, physical, and neuromuscular development from prenatal periods to old age. Motor Learning: A study of factors involved in the learning and performance of motor skills. Laboratory experiences included.

### **KPE 325 (2) STRUCTURAL KINESIOLOGY**

In-depth study of the structure and function of neuro-musculo-skeletal components of the human body in motion. Laboratory experiences included. Offered on a Quad basis.

*Prerequisite: Biology 130 or consent of instructor.*

### **KPE 327 (2) APPLIED BIOMECHANICS**

Quantitative and qualitative assessments of human movement through the use of kinematic and kinetic means. Students apply the physics of motion to the understanding and teaching of movement in the physical activity and rehabilitative contexts. Offered on a Quad basis.

*Corequisite: Kinesiology and Physical Education 325.*

### **KPE 340 (3) PHYSIOLOGY OF EXERCISE**

A study of the effects of vigorous physical activity upon the systems of the body; development of an understanding of factors which constitute training of the human body for high levels of health and physical performance. Laboratory experiences included. Special fee.

*Prerequisite: Biology 140 or consent of instructor.*

### **KPE 430 (3) ADVANCED EXERCISE PHYSIOLOGY**

Detailed analysis of the effects of exercise on the organ systems of the body. Lecture and laboratory. Special fee.

*Prerequisite: Kinesiology and Physical Education 340.*

### **KPE 440 (3) MEASUREMENT, STATISTICS, AND EVALUATION OF HUMAN PERFORMANCE**

Study of measurement techniques and instruments, descriptive and inferential statistics and evaluation procedures in human performance. Assessment of cognitive, physical, and motor domains through test construction, administration, and interpretation are the central content areas of the course. An original research proposal including statistical design is required.

### **KPE 470 (3) PRAXIS OF STRENGTH TRAINING, CONDITIONING, AND KINESIATRICS**

Application of concepts of exercise science in the development and practice of strength training and conditioning programs. Kinesiatics, movement to enhance athleticism, physical efficiency, and organismic wellness, is practiced. May be used to prepare for national certification in strength and conditioning or fitness and wellness.

### **KPE 484 (1-3) PRACTICUM IN KINESIOLOGY**

An on-campus experience in which the student works with a faculty member to gain experience in the field of Kinesiology. May be repeated for up to a total of six units.

*Prerequisite: Consent of department chair.*

**KPE 488 (1-3) INTERNSHIP IN KINESIOLOGY**

An off-campus experience under supervision of a faculty member in which the student gains experience in the field of kinesiology. May be repeated for up to a total of six units.

*Prerequisite: Consent of department chair.*

**KPE 490 (1-3) SPECIAL STUDIES IN KINESIOLOGY**

An intensive study by an individual or group under the direction of a faculty member of a topic in kinesiology not otherwise studied in the curriculum. Intended for junior or senior students in strong academic standing. May be repeated up to a total of six units.

*Prerequisite: Consent of instructor and departmental chair.*

**KPE 491 (1-3) RESEARCH IN KINESIOLOGY**

Independent investigation under faculty supervision of a specific problem in the field of kinesiology. Intended for junior or senior students in strong academic standing. May be repeated for up to a total of six units.

*Prerequisite: Consent of department chair.*

# ***PHYSICAL EDUCATION COURSES***

*Courses numbered 100 to 184 and 300 may be used to meet general education requirements in physical education. Courses numbered 102 through 168 are designed for the general student body, with the objective of developing a level of skill and understanding of the activity sufficient to enable the student to participate with enjoyment and efficiency in this activity for a lifetime.*

## ***Lower-Division***

### **PED 100 (1) FITNESS THROUGH MOVEMENT–GE**

Development of personal fitness through assessment, theory, and practice; introduces principles of conditioning, nutrition, and stress management leading to a lifetime of fitness and desirable health attitudes and practices.

### **PED 102 (1) SELECTED ACTIVITIES IN PHYSICAL EDUCATION–GE**

Development of fundamental skills through participation in selected activities. (Activity not offered in other courses; to be announced in the schedule.) May be repeated up to a total of 2 units. May have a special fee.

### **PED 115 (1) ADAPTED PHYSICAL ACTIVITY–GE**

Individually-tailored exercise program for those students physically unable to enroll in the regular physical activity courses. Introduces concepts of physical fitness, basic physiology, nutrition, and proper body mechanics. May be repeated up to a total of 2 units.

*Prerequisites: Physician's referral and with the approval of the department chair.*

### **PED 120 (1) BEGINNING TENNIS–GE**

Fundamental techniques, rules, court play, and etiquette.

### **PED 121 (1) ADVANCED TENNIS–GE**

Development of the advanced skills of the approach shot, net play, varied serves, and spins. Participation in singles and doubles strategies and competition.

*Prerequisite: Consent of instructor.*

### **PED 130 (1) BEGINNING VOLLEYBALL–GE**

An introduction to the fundamental skills for effective play and an understanding of the rules of the game.

### **PED 131 (1) ADVANCED VOLLEYBALL–GE**

Review of fundamental skills required for highly competitive play with the addition of advanced strategies and technique.

*Prerequisite: Physical Education 130 or consent of instructor.*

### **PED 135 (1) BADMINTON–GE**

An introduction to the basic techniques, strategies, and rules for singles and doubles play.

### **PED 140 (1) BEGINNING SWIMMING–GE**

Fundamental swim strokes, skills, and safety techniques geared toward developing fitness. Special fee.

### **PED 141 (1) ADVANCED SWIMMING–GE**

Training techniques in competitive swimming. Starts, turns, conditioning, stroke mechanics. Special fee.

*Prerequisite: Physical Education 140 or consent of instructor.*

### **PED 144 (1) BEGINNING SURFING–GE**

Instruction and participation in the basic skills of surfing and rough water safety. Offered on a Quad basis.

### **PED 148 (1) AEROBICS–GE**

Sustained, creative calisthenics, and exercises performed to musical accompaniment.

### **PED 150 (1) BOWLING–GE**

An introduction to basic skill techniques, rules, safety, etiquette, and competitive league experience. Special fee.

### **PED 155 (1) WEIGHT TRAINING–GE**

Development of skills and knowledge pertaining to building strength, endurance, and flexibility through the use of weights.

### **PED 160 (1) GOLF–GE**

An introduction to basic skill techniques, rules, safety, and etiquette leading to a practical golf course experience. Special fee.

**PED 168 (1) OUTDOOR ADVENTURES–GE**

Instruction in the necessary skills and use of proper equipment for safe, enjoyable wilderness outings. Concepts of survival, route-finding, leadership and trip planning for backpacking, rock climbing, and whitewater rafting are part of the student's experience. Special fee for transportation and food. Offered on a Quad basis.

*Courses numbered 170 through 184 are designed for participants on Point Loma Nazarene University's intercollegiate athletic teams. Consent of instructor required. May be repeated for credit no more than four times.*

**PED 170 (1) VARSITY BASKETBALL: MEN–GE****PED 171 (1) VARSITY BASKETBALL: WOMEN–GE****PED 172 (1) VARSITY TENNIS: MEN–GE****PED 173 (1) VARSITY TENNIS: WOMEN–GE****PED 174 (1) VARSITY TRACK AND FIELD: MEN–GE****PED 175 (1) VARSITY TRACK AND FIELD: WOMEN–GE****PED 176 (1) VARSITY GOLF–GE****PED 177 (1) VARSITY BASEBALL–GE****PED 178 (1) VARSITY SOFTBALL–GE****PED 180 (1) VARSITY SOCCER: MEN–GE****PED 181 (1) VARSITY VOLLEYBALL–GE****PED 182 (1) VARSITY CROSS COUNTRY: MEN–GE****PED 183 (1) VARSITY CROSS COUNTRY: WOMEN–GE****PED 184 (1) VARSITY SOCCER: WOMEN–GE****PED 210 (2) TEAM SPORTS FUNDAMENTALS**

Basic, beginning skills and knowledge of softball, basketball, soccer, volleyball, and flag football. Meets the general education requirement as an activity course.

**PED 211 (2) INDIVIDUAL AND DUAL SPORTS I- GE**

Skills, strategies, rules and etiquette of racquetball, tennis, badminton, track and field. Meets the general education requirement as an activity course.

**PED 212 (2) TEAM SPORTS STRATEGIES-GE**

Team play and prerequisite knowledge and performance of whole sport participation. Meets the general education requirement as an activity course.

**PED 213 (2) INDIVIDUAL AND DUAL SPORTS II- GE**

Skills, strategies, rules and etiquette of outdoor education, tumbling, dance, combatives, and swimming. Meets the general education requirement as an activity course.

***Upper-Division*****PED 300 (2) OPTIMAL HEALTH–GE**

Students are encouraged to take charge of their own lives in terms of attitude, exercise, and nutrition-fostering new habits in these areas and developing an understanding of health as more than the absence of disease.

**PED 301 (2) CONTEMPORARY HEALTH ISSUES**

Development of health concepts and teaching techniques in the areas of mental health, substance abuse, communicable disease, and self defense.

**PED 303 (2) SPORTS OFFICIATING**

Rules, mechanics, philosophy, and opportunities in sports officiating in softball/baseball, football, volleyball, basketball, track and field, and soccer. Lecture and practicum format.

*Prerequisite: Physical Education 210, 212 or concurrent enrollment in Physical Education 212 or consent of instructor.*

**PED 308 (3) PHYSICAL EDUCATION FOR CHILDREN**

Development of competencies in teaching motor skills, social skills, and fitness through games, sports, and movement experiences. Organization of teaching units, classroom management, and selection of methods and materials for pre-school and elementary grades. Includes practicums. Offered on a Quad basis.

*Prerequisite: Physical Education 100 or 300 or Family and Consumer Sciences 315.*

**PED 330 (3) HISTORY AND TRENDS OF PHYSICAL EDUCATION**

A study of philosophical and historical forces which have influenced contemporary physical education and sports programs. Includes the games of various cultures, past and present, and pertinent current issues in physical education and sport.

**PED 350 (4) FOUNDATIONS AND TECHNIQUES OF COACHING**

An overview of coaching aspects including psychology of coaching, administrative coaching skills, and

technical strategies of team sports. Includes sport-specific training in: basketball, softball/baseball, and volleyball.

*Prerequisite: Physical Education 210 or consent of instructor.*

**PED 416 (3) METHODS OF TEACHING SECONDARY PHYSICAL EDUCATION**

A study of the philosophical bases, instructional techniques and procedures, and the various elements involved in teaching physical education at the secondary level. Addresses students with special needs and includes classroom teaching methods, field observation, practical application, and the California State Framework in Physical Education.

*Recommendation: Concurrent enrollment in Education 300 or 408 is strongly recommended.*

**PED 450 (3) PSYCHOLOGY AND SPORT PERFORMANCE FOR COACHES AND ATHLETES**

The enhancement of athletic performance and general techniques for coaches of all sports. Principles are applied to the specific sport interests of each student.

**PED 480 (3) LEADERSHIP IN PHYSICAL EDUCATION-RELATED PROGRAMS**

General organizational leadership principles and their application to the organization and administration of physical education, exercise science, athletics, and athletic training.

**PED 484 (1-3) PRACTICUM IN COACHING**

An on-campus experience involving observation and/or active coaching experiences under the direction of a PLNU athletic coach. May be repeated for a maximum of six units.

*Prerequisite: Physical Education 350 or consent of instructor.*

**PED 488 (1-3) INTERNSHIP IN COACHING**

An off-campus experience involving observation and/or active coaching with a local athletic team or fitness center. May be repeated for a maximum of six units.

*Prerequisite: Physical Education 350 or consent of instructor.*

# LITERATURE, JOURNALISM, AND MODERN LANGUAGES

## Purposes

- To equip students with the skills to develop expository and creative writing;
- To develop interpretive, analytical, and critical skills through the close study and analysis of literary works;
- To develop competency in a foreign language as well as insight into other peoples and cultures;
- To educate students in the history and structure of the English language;
- To broaden students' awareness and appreciation of our cultural heritage by examining masterpieces of western and world civilizations.

## Tradition of Excellence

The Department of Literature, Journalism, and Modern Languages invites students to enter into the "republic of letters," to become students of the basic component of human interaction: language. The department is committed to helping students learn how to communicate themselves and their ideas effectively through the analysis and study of the written word as used in a breadth of literature—classical and modern, English and French, British and American Ethnic, etc. The faculty offer different approaches to the subject matter due to their different educational backgrounds. Professors of the department have distinguished themselves by having work published in *Great Lives*, *Great Events -- The Seventeenth Century*, *Great Lives -- The Eighteenth Century*, *Nineteenth Century Literature Criticism*, *Brontë Studies*, *The Ben Jonson Journal*, *The Literary Encyclopedia*, *English Today: The International Review of the English Language*, *Religion and Literature*, *Literature and Belief*, *Christianity and Literature*, *Profession*, *Journal on African Literature: Tydskrif vir Ieterkunde*, *Contemporary French and Francophone Studies*, *Nineteenth Century French Studies*, *La Corónica*, *The Princeton University Library Chronicle*, *The New York Times*, *Christianity Today*, *Relevant Magazine*, *Sojourners*, *The Journal of Mass Media Ethics*, and the *Encyclopedia of Christian Literature*. Faculty members have also published books and poetry collections. They have given lectures and submitted papers at such places as the University of London, the University of Hull, UCLA, Princeton University, and the American Association of Teachers of Spanish and Portuguese in Madrid, Spain. Department faculty have also received major national grants including several from the National Endowment for the Humanities, the Fulbright Fellowship Grant, and the Del Amo Foundation.

## Career Opportunities

Students who have graduated from the Department of Literature, Journalism, and Modern Languages have been accepted into some of the finest graduate schools in the country. In addition to careers in law, education, journalism and public relations, graduates from our department are now active in a variety of business fields, ranging from investment banking to clothing retail management, tour agency management, and personnel management. Internship programs with local newspapers and magazines are also established to create contacts and experience for our students to gain employment in technical writing, business writing, and newspaper reporting.

## Majors

Broadcast Journalism  
Journalism  
Literature  
    *Concentrations*  
    Literature  
    English Education  
Romance Languages  
Spanish  
Writing

## Minors

American Literature  
British Literature  
French  
Public Relations  
Spanish  
World Literatures  
Writing

## **Courses**

Journalism and Writing Courses

Linguistics Courses

Literature Courses

Modern Languages Courses

## **Faculty**

Sue Crider Atkins, Ph.D.

*University of Alabama, Tuscaloosa*

Keith R. Bell, Ph.D.

*University of Oklahoma*

Scott M. Bennett, Ph.D.

*University of California, Santa Barbara*

Carol A. Blessing, Ph.D., Chair

*University of California, Riverside*

Philip D. Bowles, Ph.D.

*Claremont Graduate School and San Diego State University*

Kara S. deFreitas, M.A., Visiting

*California State University, Chico*

Richard A. Hill, Ph.D.

*University of Southwestern Louisiana*

Alain M. Lescart, Ph.D.

*University of Connecticut*

Karl E. Martin, Ph.D.

*University of Minnesota*

Kathryn G. McConnell, Ph.D.

*University of California, Los Angeles*

David Michael McKinney, Ph.D.

*University of Southern California*

Jacqueline Mitchell, M.A.

*University of California, Los Angeles*

Dean E. Nelson, Ph.D.

*Ohio University*

Charlene K. Pate, M.A.

*San Diego State University and California State*

*University, San Marcos*

Bettina Tate Pedersen, Ph.D.

*University of Illinois, Urbana-Campaign*

James A. Wicks, M.A.

*Oregon State University*

Carl A. Winderl, Ph.D.

*New York University*

Hadley Wood, Ph.D.

*Harvard University*

Galen B. Yorba-Gray, Ph.D.

*Texas Tech University*



# ***BROADCAST JOURNALISM MAJOR***

Point Loma Nazarene University offers a major in Broadcast Journalism, sponsored jointly by the Department of Communication and Theatre and the Department of Literature, Journalism, and Modern Languages. Students may direct their questions to either department.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 150	Introduction to Media Communication	3
COM 243	Introduction to TV and Film Production	3
COM 275	Audio Production	2
TRE 250	Voice and Diction	2
WRI 215	Newspaper Workshop	1
WRI 250	Introduction to Journalism	3
	<b>TOTAL</b>	<b>14</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
COM 313	Television News Production	3
COM 413	Advanced Television News Production	3
COM 414	Long-Form Broadcast News	3
COM 425	Advanced Television Workshop (1)	2
WRI 312	Television Newswriting	3
WRI 340	Media Ethics and Law	3
WRI 430	Multimedia Journalism	3
WRI 470	Writing Internship <i>OR</i>	2
COM 421	Communication Internship	(3)
	<b>TOTAL</b>	<b>22-23</b>

*Note: Writing 312 and Communication 313 are corequisites and must be taken in the same semester.*

## **ELECTIVES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<b><i>Take two (2) courses from the following:</i></b>		
WRI 310	Advanced Reporting	3
WRI 313	Electronic Journalism	3
WRI 323	Creative Writing: Creative Non-Fiction	3
WRI 330	Photojournalism	3
WRI 350	Writing for the Mass Media	3
	<b><i>One literature course beyond general education:</i></b>	<b>2-3</b>
	<b>TOTAL</b>	<b>5-6</b>
	<b>MAJOR TOTAL</b>	<b>41-43</b>

# JOURNALISM MAJOR

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
WRI 215*	Newspaper Workshop	3
WRI 250	Introduction to Journalism	3
LIT 250	Introduction to the Study of Literature	3
COM 150	Introduction to Media Communication	3
<b>Two courses from the following:</b>		
LIT 201	Masterpieces of World Literature I	3
LIT 202	Masterpieces of World Literature II	3
LIT 203	Masterpieces of World Literature III	3
<b>One course from the following:</b>		
LIT 254	British Writers I	3
LIT 255	British Writers II	3
LIT 256	American Writers I	3
LIT 257	American Writers II	3
<b>TOTAL LOWER-DIVISION</b>		<b>21</b>

**\*Three units of Newspaper Workshop. Writing 216 or 217 may substitute for two of those units.**

**One course from the following:**

WRI 220	Creative Writing: Mixed Genre	3
WRI 315	Advanced English Composition	3
WRI 321	Creative Writing: Poetry	3
WRI 322	Creative Writing: Fiction	3
WRI 323	Creative Writing: Creative Non-Fiction	3
<b>TOTAL</b>		<b>3</b>

## UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	TITLE
WRI 310	Advanced Reporting	3
WRI 313	Electronic Journalism	3
WRI 340	Media Ethics and Law	3
WRI 345	Editing	3
WRI 350	Writing for the Mass Media	3
WRI 440	Magazine Editing and Concepts	3
WRI 470	Writing Internship	2

Two additional upper-division courses in literature listed under Literature, Spanish, or French. 6

Completion of one of the following two components:

**Print Journalism:**

ART 211	Photography I OR	3
WRI 330	Photo Journalism	

***Editing:***

LIN 365    English Grammar and Usage    3

**TOTAL UPPER-DIVISION    29**

**TOTAL MAJOR UNITS    53**

**Journalism Major with a Minor in Spanish**

The Department offers a Journalism major with a Spanish minor. This extremely marketable and desirable combination is recommended for Journalism majors who desire to work in American border cities or in Latin American countries, as well as for students seeking a Single-Subject Teaching Credential. The student completes an internship at a bilingual newspaper, magazine, radio, or television station. A maximum of two of the required upper-division literature courses in the Journalism major may be in Spanish or Latin American literature.

# LITERATURE MAJOR

## Concentration in Literature

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
LIT 201	Masterpieces of World Literature I	3
LIT 202	Masterpieces of World Literature II <i>OR</i>	3
LIT 203	Masterpieces of World Literature III	(3)
LIT 250	Introduction to the Study of Literature	3
LIT 254	British Writers I	3
LIT 255	British Writers II	3
LIT 256	American Writers I	3
LIT 257	American Writers II	3
	<b>TOTAL</b>	<b>21</b>

### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
LIT 361	World Drama and Poetry	3
LIT 461	Shakespeare	3
LIT 495	Literary Theory and Scholarship	3

#### *One course from the following:*

LIN 312	Introduction to Linguistics	3
LIN 365	English Grammar and Usage	3
LIN 404	Seminar: Special Topics in Linguistics	3

#### *Two courses from the following:*

LIT 344	American Novel	3
LIT 345	African-American Literature	3
LIT 346	Major Authors in American Literature	3
LIT 347	American Literary Movements	3
SPA 320	Mexican-American Literature and Culture	3

#### *Two courses from the following:*

LIT 436	Non-Western Literature	3
LIT 437	Women Writers	3
LIT 438	Continental Authors	3
LIT 439	Latin-American Authors	3

#### *Three courses from the following:*

LIT 444	Medieval Literature	3
LIT 445	17th Century English Literature	3
LIT 446	Romantic Literature	3
LIT 447	Victorian Literature	3
LIT 448	Post-Colonial Literature	3
LIT 449	English Novel	3

	<b>TOTAL</b>	<b>33</b>
	<b>TOTAL MAJOR UNITS</b>	<b>54</b>

**RECOMMENDED ADDITIONAL COURSES FOR  
GRADUATE SCHOOL PREPARATION**

Second-year foreign language; the complete World Masterpiece sequence; supplementary upper-division courses in literature.

**Concentration in English  
Education**

**LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
WRI 250	Introduction to Journalism	3
LIT 201	Masterpieces of World Literature I	3
LIT 203	Masterpieces of World Literature III	3
LIT 250	Introduction to the Study of Literature	3
LIT 254	British Writers I	3
LIT 255	British Writers II	3
LIT 256	American Writers I	3
LIT 257	American Writers II	3
	<b>TOTAL</b>	<b>24</b>

***One course from the following:***

WRI 220	Creative Writing: Mixed Genre	3
WRI 321	Creative Writing: Poetry	3
WRI 322	Creative Writing: Fiction	3
WRI 323	Creative Writing: Creative Non-Fiction	3
	<b>TOTAL</b>	<b>3</b>

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
LIT 461	Shakespeare	3
LIT 495	Literary Theory and Scholarship	3
LIN 312	Introduction to Linguistics	3
LIN 365	English Grammar and Usage	3
WRI 315	Advanced English Composition	3
WRI 370	Writing Theory and Pedagogy	2

***One course from the following:***

LIT 345	African-American Literature	3
LIT 436	Non-Western Literature	3
LIT 437	Women Writers	3
LIT 439	Latin-American Literature	3
SPA 320	Mexican American Literature and Culture	3

***Two courses from the following:***

LIT 344	American Novel	3
LIT 346	Major Authors in American Literature	3
LIT 347	American Literary Movements	3
LIT 361	World Drama and Poetry	3

LIT 438	Continental Authors	3
LIT 444	Medieval Literature	3
LIT 445	17th Century English Literature	3
LIT 446	Romantic Literature	3
LIT 447	Victorian Literature	3
LIT 448	Post-Colonial Literature	3
LIT 449	English Novel	3
	<b>TOTAL</b>	<b>26-29</b>
	<b>TOTAL MAJOR UNITS</b>	<b>53</b>

**TEACHER PREPARATION**

In order to complete requirements for a teaching credential, students who pursue the concentration in English Education must also complete the state-required Subject Matter Summative Evaluation as well as the entire secondary Single-Subject California teaching credential with subject-matter authorization in English language arts.

## ***ROMANCE LANGUAGES MAJOR***

The following courses provide an academic foundation for the Liberal Studies major, the Romance Languages major, and the minors in French and Spanish. Students desiring to become secondary Spanish or French teachers should take Education 304, 306, and 402 in their junior and senior years.

It is recommended that prospective majors who anticipate doing graduate work in Romance Languages should also plan to take collateral courses in British, American, or Russian literature; philosophy; and history.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SPA 101-02	Elementary Spanish I, II	4, 4
SPA 250-251	Intermediate Spanish I, II	3, 3
FRE 101-02	Elementary French I, II	4, 4
FRE 250-251	Intermediate French I, II <i>OR</i> Equivalent	3, 3
<b>TOTAL</b>		<b>28</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SPA 302	Advanced Grammar and Reading	3
SPA 303	Advanced Conversation and Composition	3
SPA 310	Latin-American Culture and Civilization	3
SPA 315	Culture and Civilization of Spain	3
SPA 390	Current Spanish Linguistics	3
FRE 301	French Phonetics	3
FRE 303	French Conversation	3
FRE 315	French Civilization	3
FRE 320	Survey of French Literature	3
<b><i>One course from the following:</i></b>		
SPA 320	Mexican-American Literature and Culture	3
SPA 380	Genre/Period Studies in Hispanic Literature or Film	3
SPA 400	Peninsular Literature before 1800	3
SPA 402	Peninsular Literature since 1800	3
SPA 437	Latin-American Literature before 1910	3
SPA 439	Latin-American Literature since 1910	3

Take six upper-division study-abroad units approved by the department and by the Dean of the College of Arts and Sciences. Study Abroad courses can substitute for or complement courses required in the major.

<b>TOTAL</b>	<b>30</b>
<b>TOTAL MAJOR UNITS</b>	<b>58</b>

# ***SPANISH MAJOR***

Students desiring to become secondary Spanish teachers should take Education 304, 306, and 402 in their junior and senior years.

It is recommended that prospective majors who anticipate doing graduate work in Spanish become familiar with French or German. They should also plan to take collateral courses in British, American, French, or Russian literature; philosophy; and history.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SPA 101-102	Elementary Spanish I, II	4, 4
SPA 250-251	Intermediate Spanish I, II <i>OR</i> Equivalent	3, 3
LIT 250	Introduction to the Study of Literature	3
	<b>TOTAL</b>	<b>17</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SPA 302	Advanced Grammar and Reading	3
SPA 303	Advanced Conversation and Composition	3
SPA 310	Latin American Culture and Civilization	3
SPA 315	Culture and Civilization of Spain	3
SPA 320	Mexican American Literature and Culture	3
SPA 380	Genre/Period Studies in Hispanic Literature or Film	3
SPA 390	Current Spanish Linguistics	3
SPA 485	Senior Seminar in Spanish	1
<b>One of the following:</b>		
SPA 400	Peninsular Literature before 1800	3
SPA 402	Peninsular Literature since 1800	3
<b>One of the following:</b>		
SPA 437	Latin American Literature before 1910	3
SPA 439	Latin American Literature since 1910	3

Take six upper-division study-abroad units approved by the Department and Dean of the College of Arts and Sciences. Study Abroad courses can substitute for or complement courses required in the major.

<b>TOTAL</b>	<b>28</b>
<b>TOTAL MAJOR UNITS</b>	<b>45</b>

# WRITING MAJOR

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
LIT 250	Introduction to the Study of Literature	3
WRI 250	Introduction to Journalism	3
<b>Two courses from the following:</b>		
LIT 201	Masterpieces of World Literature I	3
LIT 202	Masterpieces of World Literature II	3
LIT 203	Masterpieces of World Literature III	3
<b>One course from the following:</b>		
LIT 254	British Writers I	3
LIT 255	British Writers II	3
LIT 256	American Writers I	3
LIT 257	American Writers II	3
<b>Four units from the following:</b>		
WRI 215**	Newspaper Workshop	1
WRI 216**	Literary Magazine Workshop	1
WRI 217**	Yearbook Workshop	1
	<b>TOTAL</b>	<b>19</b>

*\*\*Each may be taken more than once (may substitute Writing 313 for two units of Writing 215/216/217).*

## CREATIVE WRITING COURSES

### Three courses from the following:

WRI 220	Creative Writing: Mixed Genre	3
WRI 321	Creative Writing: Poetry	3
WRI 322	Creative Writing: Fiction	3
WRI 323	Creative Writing: Creative Non-Fiction	3
	<b>TOTAL</b>	<b>9</b>

## UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
WRI 345	Editing	3
WRI 365	Writing for Business and Professional Careers	3
WRI 420	Advanced Writing Workshop	3
WRI 470	Writing Internship	2
<b>One course from the following:</b>		
LIN 312	Introduction to Linguistics	3
LIN 365	English Grammar and Usage	3
LIN 404	Seminar: Special Topics in Linguistics	3
<b>One course from the following:</b>		
WRI 315	Advanced English Composition	3
COM 460	Rhetorical Theories and Models	3

### One course from the following:

WRI 350	Writing for the Mass Media	3
WRI 370	Writing Theory and Pedagogy	2
WRI 440	Magazine Editing and Concepts	3
	One additional upper-division literature course from courses listed under Literature, Spanish, or French.	3
	<b>TOTAL MAJOR UNITS</b>	<b>50-51</b>

## ***AMERICAN LITERATURE MINOR***

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
LIT 250 Introduction to the Study of Literature	3
LIT 256 American Writers I	3
LIT 257 American Writers II	3

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
LIT 461 Shakespeare	3
<b><i>Three courses from the following:</i></b>	
LIT 344 American Novel	3
LIT 345 African American Literature	3
LIT 346 Major Authors in American Literature	3
LIT 347 American Literary Movements	3
LIT 437 Women Writers	3
LIT 490 Special Studies in Literature (with appropriate content)	3
SPA 320 Mexican-American Literature and Culture	3
<b>TOTAL</b>	<b>21</b>

# ***BRITISH LITERATURE MINOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
LIT 254 British Writers I	3
LIT 255 British Writers II	3
LIT 250 Introduction to the Study of Literature	3

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
LIT 461 Shakespeare	3
<b><i>Three courses from the following:</i></b>	
LIT 437 Women Writers	3
LIT 444 Medieval Literature	3
LIT 445 17th Century English Literature	3
LIT 446 Romantic Literature	3
LIT 447 Victorian Literature	3
LIT 448 Post-Colonial Literature	3
LIT 449 English Novel	3
LIT 490 Special Studies in Literature (with appropriate content)	3
<b>TOTAL</b>	<b>21</b>

## ***FRENCH MINOR***

A minor in French is offered to those who wish to complement study in another discipline. Course work can only approximate a bilingual setting and does not necessarily guarantee appropriate language proficiency. Therefore, students are encouraged to immerse themselves in the target language and to complete more than the minimum amount of language classes.

### **REQUIREMENTS**

- Undergo a complete summative evaluation of language skills by way of an exit interview.
- Successfully complete at least 9 upper-division units in residence.
- Successfully complete the following courses:

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FRE 101	Elementary French I	4
FRE 102	Elementary French II	4
FRE 250	Intermediate French I	3
FRE 251	Intermediate French II	3
FRE 301	French Phonetics	3
FRE 303	French Conversation	3
FRE 315	French Civilization	3
FRE 320	Survey of French Literature	3
	<b>TOTAL</b>	<b>26</b>

## ***PUBLIC RELATIONS MINOR***

The minor in Public Relations is an interdepartmental minor, shared by the Fermanian School of Business, the Department of Literature, Journalism, and Modern Languages, and the Department of Communication and Theatre.

### **REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BUS 332 Principles of Marketing	4
COM 330 Persuasion	3
COM 390 Introduction to Public Relations	3
COM 405 Public Relations Cases and Campaigns	3
WRI 250 Introduction to Journalism	3
WRI 355 Public Relations Writing	3
<b>MINOR TOTAL</b>	<b>19</b>

## ***SPANISH MINOR***

A minor in Spanish is offered to those who wish to complement study in another discipline. Course work can only approximate a bilingual setting and does not necessarily guarantee appropriate language proficiency. Therefore, students are encouraged to immerse themselves in the target language and to complete more than the minimum amount of language classes.

### **REQUIREMENTS**

- Undergo a complete summative evaluation of language skills by way of an exit interview.
- Successfully complete at least 9 upper-division units in residency.
- Successfully complete the following courses:

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SPA 101-102	Elementary Spanish I, II	4, 4
SPA 250-251	Intermediate Spanish I, II	3, 3
SPA 302	Advanced Grammar and Reading	3
SPA 303	Advanced Conversation and Composition	3
<b><i>Complete a total of two courses from two different categories below:</i></b>		
<b><i>Literature</i></b>		
SPA 320	Mexican American Literature and Culture	3
SPA 380	Genre/Period Studies in Hispanic Literature or Film	3
SPA 400	Peninsular Literature before 1800	3
SPA 402	Peninsular Literature since 1800	3
SPA 437	Latin American Literature before 1910	3
SPA 439	Latin American Literature since 1910	3
<b><i>Culture</i></b>		
SPA 310	Latin American Culture and Civilization	3
SPA 315	Culture and Civilization of Spain	3
<b><i>Linguistics</i></b>		
SPA 390	Current Spanish Linguistics	3
	<b>TOTAL</b>	<b>26</b>

## ***WORLD LITERATURES MINOR***

<b>COURSE TITLE</b>	<b>UNITS</b>
<b><i>Two courses from the following:</i></b>	
LIT 201 Masterpieces of World Literature I	3
LIT 202 Masterpieces of world Literature II	3
LIT 203 Masterpieces of World Literature III	3
<b>LOWER-DIVISION REQUIREMENT</b>	
LIT 250 Introduction to the Study of Literature	3
<b>UPPER-DIVISION REQUIREMENTS</b>	
LIT 461 Shakespeare	3
<b><i>Three courses from the following:</i></b>	
LIT 361 World Drama and Poetry	3
LIT 436 Non-Western Literature	3
LIT 437 Women Writers	3
LIT 438 Continental Authors	3
LIT 439 Latin American Authors	3
LIT 448 Post-Colonial Literature	3
LIT 460 The Human Challenge	3
LIT 490 Special Studies in Literature (with appropriate content)	3
<b>TOTAL</b>	<b>21</b>

## WRITING MINOR

A minor in Writing is offered to those who wish to complement study in another discipline. The importance, for all fields, of the ability to write effectively and interpret written material skillfully, makes this a marketable minor.

### LOWER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
<b>Select one course from the following:</b>	
COM 175 Scriptwriting for Television and Film	3
WRI 220 Creative Writing: Mixed Genre	3
WRI 250 Introduction to Journalism	3

### UPPER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
WRI 365 Writing for Business and Professional Careers	3
<b>Select three courses from the following:</b>	
COM 414* Long-Form Broadcast News	3
LIN 312 Introduction to Linguistics	3
LIN 365 English Grammar and Usage	3
LIN 404 Seminar: Special Topics in Linguistics	3
TRE 490 Special Studies in Theatre (with playwriting content)	3
WRI 312* Television News Writing	3
WRI 313* Electronic Journalism	3
WRI 315 Advanced Composition	3
WRI 321 Creative Writing: Poetry	3
WRI 322 Creative Writing: Fiction	3
WRI 323 Creative Writing: Creative Non-Fiction	3
WRI 345* Editing	3
WRI 350* Writing for the Mass Media	3
WRI 355* Writing for Public Relations	3
WRI 420* Advanced Writing Workshop	3
WRI 440* Magazine Editing and Concepts	3
WRI 490* Special Topics in Writing	3

*\*Course carries a pre-requisite.*

#### **Select two units from the following:**

WRI 215** Newspaper Workshop	1
WRI 216** Literary Magazine Workshop	1
WRI 217** Yearbook Workshop	1

\*\*Each may be taken more than once (may substitute Writing 470 Internship in Writing for two units of Writing 215/216/217).

**TOTAL 17**

# ***JOURNALISM AND WRITING COURSES***

Students are placed in introductory writing courses according to SAT verbal and ACT exam scores and a writing assessment administered during the first week of classes.

## ***Lower-Division***

### **WRI 097 (0) WRITING SKILLS TUTORIAL**

An intensive one-on-one tutorial required of those enrolled in Writing 110 or Writing 115 who need extra instruction and support regarding issues of grammatical correctness and sentence crafting that are essential to shaping ideas clearly. Includes a laboratory fee.

### **WRI 099 (3) WRITING WORKSHOP**

A preparatory course for students not yet performing at college-entrance level in writing. The course includes instruction and practice in text comprehension in addition to the whole-text and sentence-level skills of good writers. Designed to prepare students for Writing 110.

*Note: This course does not count toward the minimum 128 units required for graduation. Offered only to first-time freshmen through the LEAP program.*

### **WRI 101 (4) AMERICAN ENGLISH FOR COLLEGE LEVEL WRITING/READING PROFICIENCY I**

A review of sentence-level grammar, paragraph organization, development of the essay, and appropriate vocabulary for academic writing. Develops analytical critical thinking skills needed to write in response to a variety of published materials appropriate to academic work (texts, articles, political commentary, etc.). Vocabulary development is a crucial component of this course. Develops the student's ability to read, analyze, interpret, and respond both objectively and subjectively to published materials that are linguistically, conceptually, and culturally challenging. Emphasizes writing as a process, self-editing skills, and academic English within the cultural context.

*Prerequisite: A writing/reading/Placement exam for purposes of evaluation. Academic Writing Holistic Reading Scale.*

### **WRI 110 (5) COLLEGE COMPOSITION: WRITING AND RESEARCH–GE**

A comprehensive first-year composition experience in reading, writing, and critical thinking, centered on essay. The course emphasizes the processes of writing thesis-based manuscripts as an evolving product, with attention to sentence-level conventions and coherence among well-developed paragraphs. Library research and writing the source-based essay are major components of the course.

*Prerequisite: Satisfactory performance on SAT verbal or ACT exam or Writing 099 or 101. A diagnostic exam given in the beginning of the semester will determine if the student needs to co-enroll in Writing 097.*

### **WRI 115 (3) COLLEGE COMPOSITION: WRITING–GE**

A first-year composition experience in reading, writing, and critical thinking, centered on the essay. The course emphasizes the processes of writing thesis-based manuscripts as an evolving product, with attention to sentence-level conventions and coherence among well-developed paragraphs.

*Prerequisite: Satisfactory performance on SAT verbal or ACT exam or Writing 099 or 101. A diagnostic exam given in the beginning of the semester will determine if the student needs to co-enroll in Writing 097.*

### **WRI 116 (2) COLLEGE COMPOSITION: RESEARCH–GE**

A first-year composition experience in reading, writing, and critical thinking, centered on the essay. The course emphasizes the process of writing as well as the manuscript as an evolving product. Library research and writing the source-based essay are the major components of the course.

*Prerequisite: Satisfactory performance on SAT verbal or ACT exam or Writing 115. A diagnostic exam given in the beginning of the semester will determine if the student needs to co-enroll in Writing 097.*

### **WRI 120 (3) HONORS IN COLLEGE COMPOSITION–GE**

Advanced application of writing as a process, in both technological and traditional formats, for the student who has mastered the basic conventions of writing. Preparation of the research paper, utilizing library research tools and strategies.

*Prerequisite: Qualifying ACT or SAT exam score.*

### **WRI 215 (1) NEWSPAPER WORKSHOP**

Writing for publication: techniques and methods of mass communication. Laboratory experience in constructing one or more of the news forms of the weekly student publication: news reporting; feature writing, editorials, photojournalism. Required of staff members of *The Point Weekly*. Writing 215, 216 and 217 may be repeated up to a combined total of eight units.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

### **WRI 216 (1) LITERARY MAGAZINE WORKSHOP**

Hands-on production of PLNU's literary magazine, from concept to finished product. Open to all students. Writing 215, 216, and 217 may be repeated up to a combined total of eight units.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

**WRI 217 (1) YEARBOOK WORKSHOP**

Writing for publication. Includes one or more of the following: planning and design, writing and editing, photojournalism, production and distribution. Required of staff members of *The Mariner*. Writing 215, 216 and 217 may be repeated up to a combined total of eight units.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

**WRI 220 (3) CREATIVE WRITING: MIXED GENRE**

A general introduction and overview of creative writing (including poetry, fiction, drama, and creative nonfiction) that serves majors, potential major, and other interested students. Attention will be given to methodology in teaching creative writing. Non-majors are strongly encouraged to complete Writing 220 before taking Writing 321, 322 or 323.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

**WRI 250 (3) INTRODUCTION TO JOURNALISM**

The study of the philosophy and practice of journalism with an emphasis on news gathering and writing as a process in traditional and current technological formats. Explores broadcasting, electronic media, and the role of journalists in society.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

## ***Upper-Division***

**WRI 310 (3) ADVANCED REPORTING**

Concentrated application of journalism techniques. Stresses off-campus reporting, interviewing and news gathering, journalism responsibility, and ethics. Addresses the news organization as a business and its impact on the reporter.

*Prerequisite: Writing 250.*

**WRI 312 (3) TELEVISION NEWS WRITING**

This course concentrates on writing news to pictures and sounds. Students do electronic newsgathering (ENG) in the field. Students also write, rewrite, and edit conversational hard news and feature news stories with the distinctive journalistic and production values of television in mind. Offered in the fall semester of odd years.

*Prerequisites: Writing 250, Communication 242.*

*Corequisite: Communication 313.*

**WRI 313 (3) ELECTRONIC JOURNALISM**

A course designed to show the variety of ways computers are used in the practice of journalism. Areas covered include on-line publishing, computer-assisted reporting, internet research methods, and writing for electronic media.

*Prerequisite: Writing 250.*

**WRI 315 (3) ADVANCED ENGLISH COMPOSITION**

A study of both rhetorical theory and professional writing techniques, with application to the student's own writing and to the teaching of writing.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

**WRI 321 (3) CREATIVE WRITING: POETRY**

Comprehensive instruction and guided workshop in writing poetry. Attention is also given to methodology in teaching poetry writing and to finding publication.

*Prerequisite: College Composition (5 units).*

**WRI 322 (3) CREATIVE WRITING: FICTION**

Comprehensive instruction and guided workshop in writing fiction. Attention is also given to methodology in teaching fiction writing and to finding publication.

*Prerequisite: College Composition (5 units).*

**WRI 323 (3) CREATIVE WRITING: CREATIVE NONFICTION**

Comprehensive instruction and guided workshop in creative non-fiction writing, including personal essays and memoirs. Attention is also given to methodology in teaching non-fiction writing and to finding publication.

*Prerequisite: College Composition (5 units).*

**WRI 330 (3) PHOTOJOURNALISM**

Photography that is directed to storytelling, combining the visual medium with writing skill.

**WRI 340 (3) MEDIA ETHICS AND LAW**

The study of major ethical journalistic philosophies, codes, and current practices. Interaction with

professionals and discussions of ethical problems. Stresses responsible, fair, accurate journalism.

*Prerequisite: Writing 250.*

**WRI 345 (3) EDITING**

Designed to develop the student's ability to improve and clarify all forms of written expression. Genres include newspapers, magazines, books, internet, as well as other forms of story telling.

*Prerequisite: Writing 250.*

**WRI 350 (3) WRITING FOR THE MASS MEDIA**

An advanced writing course which includes writing longer features for newspapers and magazines, as well as developing those stories for the Web. Print stories are submitted for publication. Class assignments also address writing for radio and TV news. A multimedia component allows students to learn the basics of new media and gain hands-on experience in publishing work to the Web.

*Prerequisite: Writing 250.*

**WRI 355 (3) PUBLIC RELATIONS WRITING**

Practice in the planning, research, writing, editing, and evaluation skills needed to craft informative and persuasive messages in various media for various external and internal publics. Formats include print, broadcast, and web-based news releases, features, media kits, public service announcements, radio and video packages, brochures and newsletters, backgrounders and position papers. Offered in the fall semester of even numbered years.

*Prerequisite: Writing 250.*

**WRI 365 (3) WRITING FOR BUSINESS AND PROFESSIONAL CAREERS**

Strategies for success in business and professional writing, incorporating psychology, theory, and method. Topics include reports, proposals, instructions, resumes, memos, and letters.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

**WRI 370 (2) WRITING THEORY AND PEDAGOGY**

A course designed to educate students in the individualized instruction of writing. The course concentrates on theory and pedagogy and on ways to respond effectively to student writing, in the classroom as well as in a writing center. Particular attention is given to the concrete application of writing theories to student work.

*Prerequisite: Successful completion of the College Composition requirement (5 units) and Linguistics 365.*

**WRI 420 (3) ADVANCED WRITING WORKSHOP**

A senior-level capstone course for Writing majors and an advanced course for non-majors providing guided workshops, advanced practice, and advanced instruction in writing techniques and publication strategies used by professional writers.

*Prerequisite: Writing 321, 322, or 323.*

**WRI 430 (3) MULTIMEDIA JOURNALISM**

This course gives students extensive practice in multimedia storytelling. Students plan, storyboard, research, create, and produce story packages with text, video, audio, photos, graphics, and interactive elements designed to complement one another in the most compelling and informative manner. Offered in the fall semester of even numbered years starting in 2010.

*Prerequisites: Communication 243; Writing 250.*

**WRI 440 (3) MAGAZINE EDITING AND CONCEPTS**

The study of American magazines, including their planning, editing, and designing. The class project involves completing a prospectus and publishing a county-wide magazine. *Prerequisites: Successful completion of the College Composition requirement (5 units) and Writing 250.*

**WRI 470 (2) INTERNSHIP IN WRITING**

A supervised experience in which the student works off campus in media. May be repeated up to a total of two units.

*Prerequisites: Writing 250, 310, 340, and 350, or consent of instructor.*

**WRI 490 (1-3) SPECIAL STUDIES IN WRITING/JOURNALISM**

An intensive study of a selected problem by an individual or group under the direction of a member of the faculty. May be repeated to a total of six units.

*Prerequisites: Consent of instructor and department chair.*

**WRI 499 (1-3) RESEARCH IN WRITING/JOURNALISM**

Independent research under the guidance of a faculty member.

*Prerequisites: Consent of instructor and department chair and senior standing.*

# **LINGUISTICS COURSES**

## **Upper-Division**

### **LIN 312 (3) INTRODUCTION TO LINGUISTICS**

The nature and structure of language (universals) via the science of linguistics, emphasizing the core areas of phonology, morphology, syntax, and semantics. Also introducing sociolinguistics, language acquisition and development, historical comparative methods, and neurolinguistics.

### **LIN 365 (3) ENGLISH GRAMMAR AND USAGE**

A descriptive study of English morphology and syntax, focusing mainly on sentence parts and types. Also a study of the rules of standard American usage, which are prescribed by the literate society, and an introduction to text grammar.

### **LIN 404 (3) SEMINAR: SPECIAL TOPICS IN LINGUISTICS**

An in-depth study of a selected issue or problem that is usually interdisciplinary in nature.

*Prerequisite: Consent of instructor.*

### **LIN 490 (1-3) SPECIAL STUDIES IN LINGUISTICS**

An intensive study of a selected problem by an individual or group under the direction of a member of the faculty. May be repeated up to a total of six units.

*Prerequisites: Consent of instructor and department chair.*

# LITERATURE COURSES

## Lower-Division

### LIT 201 (3) MASTERPIECES OF WORLD LITERATURE I–GE

A survey of literary classics of the ancient and medieval periods including various genres and nations. Includes works by authors such as Homer, Sophocles, Euripides, Sappho, Plato, Aristotle, Virgil, Murasaki, Lao-Tzu, and Dante.

*Prerequisite: College Composition (5 units).*

### LIT 202 (3) MASTERPIECES OF WORLD LITERATURE II–GE

A survey of literary classics from the Renaissance, Neoclassical, and Romantic periods. Includes work by authors such as Erasmus, Machiavelli, de Navarre, Montaigne, Cervantes, Vega, Shakespeare, Milton, Xueqin, Moliere, Racine, Swift, de la Cruz, Basho, Goethe, Blake, Wordsworth, Coleridge, Shelley, Keats, Pushkin, Douglass, Whitman, and Dickinson.

*Prerequisite: College Composition (5 units).*

### LIT 203 (3) MASTERPIECES OF WORLD LITERATURE III–GE

A survey of literary classics from Realism and Naturalism through the Postmodern period. Includes work by authors such as Flaubert, Dostoevsky, Yeats, Ibsen, Joyce, Pirandello, Eliot, Woolf, Camus, Lessing, Gide, Akhmatove, Kafka, Bachman, Beckett, Achebe, Walcott, El Saadawi, and Desai.

*Prerequisite: College Composition (5 units).*

### LIT 205 (2) GREAT WORKS IN A LITERARY GENRE: THE NOVEL–GE

An analysis and study of major representative examples of the novel; may include shorter works of fiction. Offered on a Quad basis.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

### LIT 206 (2) GREAT WORKS IN A LITERARY GENRE: DRAMA–GE

An analysis and study of major representative examples of drama. Offered on a Quad basis.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

### LIT 207 (2) GREAT WORKS IN A LITERARY GENRE: POETRY–GE

An analysis and study of major representative examples of poetry. Offered on a Quad basis.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

### LIT 208 (2) GREAT WORKS IN A LITERARY GENRE: SHORT STORY–GE

An analysis and study of major representative examples of the short story; may include longer works of fiction. Offered on a Quad basis.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

### LIT 250 (3) INTRODUCTION TO THE STUDY OF LITERATURE

This course introduces the student to the technical study of literature with a threefold emphasis. One, it instructs students in the practice of close reading and literary analysis of all the major genres of literature: poetry, prose (fiction and nonfiction), and drama, giving special attention to close reading and literary analysis of poetry. Two, it requires the study and mastery of literary terms, their definitions and applications. Three, it introduces students to historical literary periods and major schools of literary criticism and their approaches. A more extensive study of literary criticism is completed in Literature 495. Students should use and master more fully Literature 250 course content in subsequent literature courses.

*Prerequisite: College Composition (5 units).*

### LIT 254 (3) BRITISH WRITERS I

Discussion and analysis of major movements, genres, authors, and works within their cultural contexts from 700 to 1798. Includes Beowulf and work by authors such as Chaucer, Julian of Norwich, Malory, Spenser, Lanyer, Marlowe, Shakespeare, Webster, Milton, Behn, Cavendish, Swift, and Pope.

*Prerequisite: College Composition (5 units).*

### LIT 255 (3) BRITISH WRITERS II

Discussion and analysis of major movements, genres, authors, and works from the 1780s to the present. Includes works by authors such as Wollstonecraft, Blake, the Wordsworths, Coleridge, the Shelleys, Keats, Dickens, the Rossettis, the Brownings, Shaw, Wilde, Eliot, Woolf, Stoppard, and Friel.

*Prerequisite: College Composition (5 units).*

### LIT 256 (3) AMERICAN WRITERS I

A study of American writers from the colonial period to the mid-19th century. Representative writers are Bradstreet, Taylor, Franklin, Poe, Emerson, Thoreau, Douglas, Hawthorne, Melville, Wheatley, Stowe, and Whitman.

*Prerequisite: Successful completion of the College Composition requirement (5 units).*

**LIT 257 (3) AMERICAN WRITERS II**

A study of American writers from the mid-19th century to the present. Representative writers are Clemens, Crane, Chopin, Frost, Eliot, Hurston, Hemingway, Faulkner, O'Connor, and Morrison.  
*Prerequisite: Successful completion of the College Composition requirement (5 units).*

**Upper-Division****LIT 325 (3) CHILDREN'S LITERATURE-GE**

Consideration of the major classics and modern works recommended for children, including folk and fairy tales, animal stories, limericks and poetry, fantasy, and realistic stories for older children.

**LIT 344 (3) AMERICAN NOVEL**

A study of selected novels of major writers of the 19th, 20th and 21st centuries, with emphasis on theme and narrative technique.

*Recommended: Literature 250.*

**LIT 345 (3) AFRICAN AMERICAN LITERATURE**

An advanced study of the African American literary tradition in its cultural context from its beginnings in African American vernacular culture, until the present.

*Recommended: Literature 250.*

**LIT 346 (3) MAJOR AUTHORS IN AMERICAN LITERATURE**

An advanced study of selected authors in American literature. The course provides students the opportunity to study selected writers in depth.

*Recommended: Literature 250.*

**LIT 347 (3) AMERICAN LITERARY MOVEMENTS**

An advanced study of selected movements in the history of American literature. Such movements as colonial American literature, the American renaissance, American realism and naturalism, American modernisms, Asian-American literature, and American Meta-fiction are considered.

*Recommended: Literature 250.*

**LIT 361 (3) WORLD DRAMA AND POETRY**

An advanced study of selected dramatic (non-Shakespearean) and poetic works, from the ancient world through the present, focusing primarily on works in translation. The course considers major developments in the genres of drama (including tragedy, comedy, and tragicomedy) and lyric poetry.

*Recommended: Literature 201 and 250.*

**LIT 436 (3) NON-WESTERN LITERATURE**

An advanced study of literature from non-European and non-American countries, covering primarily African and Asian writings. Includes a variety of eras and genres, placing the works within their cultural contexts.

*Recommended: Literature 250.*

**LIT 437 (3) WOMEN WRITERS-WS**

Considers women writers from a specific chronological period from the Middle Ages through the 20th century. The time period, themes and genres considered vary from year to year. The course focuses on questions related to gender, class, and race.

*Recommended: Literature 250.*

**LIT 438 (3) READINGS: CONTINENTAL AUTHORS**

Some of the most significant writers from the European continent of the modern era, including such authors as Dostoevsky, Zamyatin, Hesse, Frisch, Durrenmatt, Brecht, Ibsen, and Solzhenitsyn.

*Recommended: Literature 250.*

**LIT 439 (3) LATIN AMERICAN LITERATURE SINCE 1910**

A study of the Latin American narrative from the Mexican Revolution to the present.

*Recommended: Literature 250.*

**LIT 444 (3) MEDIEVAL LITERATURE**

A study of British literature from 1100 through 1500, including Chaucer, Langland, the Gawain Poet, Marie de France, Julian of Norwich, and Mallory, and covering medieval drama, poetry, prose, romance, and tale. Students learn to read Middle English as well as the historical, religious, and social contexts of the literature.

*Prerequisites: Literature 254.*

*Recommended: Literature 250.*

**LIT 445 (3) 17TH CENTURY ENGLISH LITERATURE**

A study of British literature primarily from 1603 to 1688, focusing on the Scientific revolution, the beginnings of modernism, the rise of women writers and discussions concerning gender, major religious movements,

and the English Civil War.  
*Recommended: Literature 250.*

**LIT 446 (3) ROMANTIC LITERATURE**

A study of the poetry, fiction, non-fiction prose, and drama of the Romantic Age (1780-1830), focusing on issues of the French Revolution, the rights of women, the abolition of the slave trade and slavery, the rise of democracy, industrialization and science, the philosophy of art, and the rise of new literary forms such as the Greater Romantic lyric and the gothic.  
*Recommended: Literature 250 and Literature 255.*

**LIT 447 (3) VICTORIAN LITERATURE**

A study of the fiction, non-fiction prose, poetry, and drama of the Victorian age (1837-1901), focusing on the period's dominant issues of Industrialization, Imperialism, the Woman Question and Sexuality, the Crisis of Faith and Science, and Aesthetics and Art's role in society.  
*Recommended: Literature 250 and Literature 255.*

**LIT 448 (3) POST-COLONIAL LITERATURE**

An advanced study of selected post-colonial literature and perhaps some post-colonial theory from the turn of the 19th century through 21st century. Class inquiry focuses on the effects of empire, colonization, neocolonialism, and decolonization presented in these texts and examines the ways in which these texts respond to or resist dominant colonialist and imperialist paradigms of power, identity, gender and the other.  
*Recommended: Literature 250, 203 or 255.*

**LIT 449 (3) ENGLISH NOVEL**

A study of the development of the novel from the late 17th Century to the present, with attention given to historical-cultural contexts and movements informing the novels, the rise and adaptations of novel forms, and close reading of the literary features of the novel.  
*Recommended: Literature 250.*

**LIT 460 (3) THE HUMAN CHALLENGE-GE**

This course seeks to engage students in a systematic, interdisciplinary reflection on some of the challenges of an "examined" and well-lived life. It poses three human challenges for interdisciplinary (literal, philosophical, psychological, and Wesleyan theological) perspective dialogue: 1) the challenge of evolving a "philosophical faith" (being wise); 2) the challenge of enlarging one's capacity to love (being loving); and 3) the challenge of broadening one's personal identity and vision of meaningful, creative work (being generative). Students read literary works that embody these developmental themes as well as selected articles in the fields of philosophy and psychology.  
*Prerequisite: Consent of instructor.*

**LIT 461 (3) SHAKESPEARE**

A study of Shakespeare's comedies, histories, and tragedies within their cultural contexts, with special attention paid to rhetorical analysis and theatricality, as well as coverage of the political, philosophical, and religious implications of the plays.  
*Recommended: Completion of the general education literature requirement and Literature 250.*

**LIT 490 (1-3) SPECIAL STUDIES IN LITERATURE**

An intensive study of a selected problem by an individual or group under the direction of a member of the faculty. May be repeated to a total of six units.  
*Prerequisites: Consent of instructor and department chair.*

**LIT 495 (3) LITERARY THEORY AND SCHOLARSHIP**

This capstone course provides an in-depth study of contemporary critical trends such as Structuralism, New Historicism, Feminism, Deconstruction, Gender Studies, Reader- Response and Psychoanalytic criticism. Students also familiarize themselves with the critical commonplaces to which these new approaches are a response as well as with a traditional overview of trends and styles from medieval through modern literature. Students are expected to engage in some research and in written critical work. Preparation of a portfolio and summative evaluation is an important part of this class.  
*Prerequisites: Literature 250 and Senior standing.*

**LIT 499 (1-3) RESEARCH IN ENGLISH**

Independent research under the guidance of a faculty member.  
*Prerequisites: Consent of instructor and department chair and Senior standing.*

**Single-Subject Credential**

**LIT 535 (3) METHODS OF TEACHING ENGLISH**

Both traditional and current research-based methodologies are studied, and many are demonstrated and practiced. The teaching of writing and the integration of the language arts and the California English Language Arts Framework are emphasized. Offered on a Quad basis. Offered fall semesters.

# **MODERN LANGUAGES COURSES**

## **FRENCH**

### ***Lower-Division***

#### **FRE 101, 102 (4,4) ELEMENTARY FRENCH I, II–GE**

An introductory course emphasizing four basic skills: aural comprehension, speaking, reading, and writing. Also noted is the cultural and historical background of the areas where the language is spoken. Participation and active use of the language is emphasized in the classroom. Offered fall and spring.

#### **FRE 250, 251 (3,3) INTERMEDIATE FRENCH I, II**

Intensive practical use of the language designed to bring the student to a high level of proficiency in communicative skills through first-hand exposure and through the use of cultural and literary materials. Conducted in French.

*Prerequisite: French 102 or consent of instructor.*

### ***Upper-Division***

#### **FRE 301 (3) FRENCH PHONETICS**

A study of French phonemes and intonation patterns along with intensive practice of French pronunciation.

*Prerequisite: French 102.*

#### **FRE 303 (3) FRENCH CONVERSATION**

A class concentrating in gaining oral proficiency around a series of different themes and acquiring command of the modern idiom as spoken in France.

*Prerequisite: French 251 or consent of instructor.*

#### **FRE 315 (3) FRENCH CIVILIZATION**

A study of French civilization including a consideration of the present structure of French society and politics and a brief view of the achievements of France from the middle ages to the present.

*Prerequisite: French 251 or consent of instructor.*

#### **FRE 320 (3) SURVEY OF FRENCH LITERATURE**

Selections of important literature from the middle ages to the modern day are read and discussed in French.

*Prerequisite: French 251 or consent of instructor.*

#### **FRE 490 (1-3) SPECIAL STUDIES IN FRENCH**

An intensive study of a selected problem by an individual or group under the direction of a member of the staff. May be repeated for a total of up to six units.

*Prerequisites: Consent of instructor and department chair.*

## **GERMAN**

### ***Lower-Division***

#### **GER 101, 102 (4,4) ELEMENTARY GERMAN I, II–GE**

An introductory course emphasizing four basic skills: aural comprehension, speaking, reading, and writing. Also noted is the cultural and historical background of the areas where the language is spoken.

Participation and active use of the language is emphasized in the classroom. Offered fall and spring.

#### **GER 250, 251 (3,3) INTERMEDIATE GERMAN I, II**

Intensive practical use of the language designed to bring the student to a high level of proficiency in communicative skills through first-hand exposure and through the use of cultural and literary materials. Conducted in German.

*Prerequisite: German 102 or consent of instructor.*

### ***Upper-Division***

#### **GER 490 (1-3) SPECIAL STUDIES IN GERMAN**

An intensive study of a selected problem by an individual or group under the direction of a member of the faculty. May be repeated for a total of up to six units.

*Prerequisites: Consent of instructor and department chair.*

## **SPANISH**

## ***Lower-Division***

### **SPA 101, 102 (4,4) ELEMENTARY SPANISH I, II–GE**

An introductory course emphasizing four basic skills: aural comprehension, speaking, reading, and writing. Also noted is the cultural and historical background of the areas where the language is spoken. Participation and active use of the language is emphasized in the classroom. Offered fall, spring, and summer.

### **SPA 250, 251 (3,3) INTERMEDIATE SPANISH I, II**

Intensive practical use of the language designed to bring the student to a high level of proficiency in communicative skills through first-hand exposure and through the use of cultural and literary materials. Language lab practice is continued. Conducted in Spanish. Offered fall and spring.  
*Prerequisite: Spanish 102 or consent of instructor.*

## ***Upper-Division***

### **SPA 302 (3) ADVANCED GRAMMAR AND READING**

An in-depth study of the grammatical structure of Spanish with emphasis on syntax, stylistics, and lexical problems as encountered in reading. Conducted in Spanish.  
*Prerequisite: Spanish 251 or consent of instructor.*

### **SPA 303 (3) ADVANCED CONVERSATION AND COMPOSITION**

A course designed to refine the skills of advanced communication through the study of basic phonetics, continuation of grammar review, writing, and the study of semantics. Conducted in Spanish.  
*Prerequisite: Spanish 302 or consent of instructor.*

### **SPA 310 (3) LATIN AMERICAN CULTURE AND CIVILIZATION**

The history and civilization of Latin America including indigenous and Hispanic cultures of Mexico, Central, and South America from pre-colonial times to the present. Conducted in Spanish.  
*Prerequisite: Spanish 251 or consent of instructor.*

### **SPA 315 (3) CULTURE AND CIVILIZATION OF SPAIN**

The history of the Iberian peninsula from prehistoric times to the present. The life, through art and literature, of the various peoples who integrated the Spanish nation. Conducted in Spanish.  
*Prerequisite: Spanish 251 or consent of instructor.*  
*Recommended: Spanish 302, 303.*

### **SPA 320 (3) MEXICAN AMERICAN LITERATURE AND CULTURE**

A survey of major 20th century Mexican American writers and their cultural heritage in the United States. Genres for consideration include short story, poetry, novel, and drama. Conducted in Spanish.  
*Prerequisites: Spanish 302 and 303 or consent of instructor.*

### **SPA 380 (3) GENRE/PERIOD STUDIES IN HISPANIC LITERATURE OR FILM**

A study of a literary genre or period of Hispanic literature or film. Conducted in Spanish.  
*Prerequisite: Spanish 302 and 303 (303 may be concurrent).*

### **SPA 390 (3) CURRENT SPANISH LINGUISTICS**

A descriptive study of the Spanish language including phonology, morphology, syntax, lexicon, and semantics. Conducted in Spanish.  
*Prerequisite: Spanish 302.*

### **SPA 400 (3) PENINSULAR LITERATURE BEFORE 1800**

Analysis and discussion of representative works from the medieval era to the 18th century. Conducted in Spanish.  
*Prerequisites: Spanish 302 and 303 or consent of instructor.*

### **SPA 402 (3) PENINSULAR LITERATURE SINCE 1800**

Analysis and discussion of representative works from the 19th century to the present. Conducted in Spanish.  
*Prerequisites: Spanish 302 and 303 or consent of instructor.*

### **SPA 437 (3) LATIN AMERICAN LITERATURE BEFORE 1910**

A study of the development of literary genres featuring representative works from Mexican, Central, and South American writers from the pre-Columbian period to the Mexican revolution. Conducted in Spanish.  
*Prerequisites: Spanish 302 and 303 or consent of instructor.*

### **SPA 439 (3) LATIN AMERICAN LITERATURE SINCE 1910**

A study of the Latin American narrative from the Mexican revolution to the present day. Conducted in Spanish.

*Prerequisites: Spanish 302 and 303 or consent of instructor.*

**SPA 485 (1) SENIOR SEMINAR IN SPANISH**

A course designed to reflect upon and to integrate issues of culture, civilization, language, and literatures of the Spanish-speaking world. Research is conducted to see how areas such as cultural contrasts, linguistic and lexical variations, and political and artistic realities have influenced modern literary pieces. Completion of a portfolio and a summative evaluation of language skills required.

*Prerequisite: Spanish 302, 303 and Senior standing.*

**SPA 490 (1-3) SPECIAL STUDIES IN SPANISH**

An intensive study of a selected problem by an individual or group under the direction of a member of the faculty. May be repeated to a total of six units.

*Prerequisites: Consent of instructor and department chair.*

**SPA 499 (1-3) RESEARCH IN SPANISH**

Independent research under the guidance of a faculty member.

*Prerequisites: Consent of instructor and department chair and senior standing.*

# ***MATHEMATICAL, INFORMATION, AND COMPUTER SCIENCES***

## **Mission Statement**

The Mathematical, Information, and Computer Sciences department at Point Loma Nazarene University is committed to maintaining a curriculum that provides its students with the tools to be productive, the passion to continue learning, and Christian perspectives to provide a basis for making sound value judgments.

## **Purposes**

1. To prepare students for:

- careers that use mathematics, computer science, and information systems in business, industry or government.
- graduate study in fields related to mathematics, computer science, and information systems.
- teaching mathematics and computer science at the secondary level.

2. To prepare students to apply their knowledge and utilize appropriate technology to solve problems.

3. To educate students to speak and write about their work with precision, clarity, and organization.

4. To help students gain an understanding of, and appreciation for, the historical development, contemporary progress, and societal role of mathematics, information systems, and computer science.

5. To integrate the study of mathematics, information systems and computer science with the Christian liberal arts.

## **Tradition of Excellence**

The Department of Mathematical, Information, and Computer Sciences features a highly skilled team of professors who share their wealth of knowledge with students both in and out of the classroom. The personal attention of the faculty and innovative learning environment help students to comprehend concepts in mathematics, information systems, and computer science. The accomplished faculty also conducts research with current students. Recently, topics have included random number generation, music and graph theory, statistics, stereo vision using genetic algorithms, artificial intelligence, and computer architecture. These types of research opportunities provide experience with modern technology and current real-world applications.

## **Career Opportunities**

Students who graduate with a degree from the Department of Mathematical, Information, and Computer Sciences are prepared to succeed. Students have chosen careers in actuarial science, industrial engineering, information science, applied mathematics, statistics, espionage, teaching, software engineering, project management, and systems analysis.

## **Majors**

Computer Information Systems B.S.

Computer Information Systems B.A.

Computer Science B.S.

*Concentrations*

Applied Computer Science

Scientific Programming

Computer Science B.A.

Mathematics B.S.

Mathematics B.A.

## **Minors**

Computer Science

Computer Information Systems

Mathematics

## **Courses**

### **Faculty**

Jongbok Byun, Ph.D.

*Claremont Graduate University*

Lorinda J. Carter, Ph.D.  
*University of California, San Diego*

Catherine Lynn Crockett, Ph.D.  
*University of California, Riverside*

Gregory D. Crow, Ph.D  
*University of Notre Dame*

Donald S. Evans, B.S.  
*Stanford University*

Jesús Jiménez, Ph.D.  
*University of Utah*

Jeffrey L. McKinstry, Ph.D.  
*University of California, San Diego*

Maria R. Zack, Ph.D., Chair  
*University of California, San Diego*

# ***COMPUTER INFORMATION SYSTEMS B.S.***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
CSC 132 Introduction to Computer Science	2
CSC 142 Introduction to Computer Programming	2
CSC 154 Fundamentals of Computer Science	4
CSC 254 Data Structures and Algorithms	4
ISS 232 Introduction to Computer Information Systems	2
ISS 242 Visual Programming for Business Applications	2
MTH 164 Calculus I*	4
MTH 203 Introduction to Statistics	3
BUS 212 Principles of Management	4
ECO 102 Economics II (Microeconomics)	3
<b>TOTAL</b>	<b>30-31</b>

***\*Mathematics 144 and 131 may substitute for Mathematics 164***

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
CSC 314 Operating Systems	4
CSC 373 Computer Networking	3
ISS 324 Software Engineering	4
ISS 381 Telecommunications	1
ISS 414 Database Management Systems	4
ISS 424 Internet Applications Development	4
ISS 481 Senior Seminar in Computer Information Systems	1

### ***Choose one sequence from:***

Information Systems 496 (2) and 497 (1) Service Learning in Computer Information Systems I and II	3
Information Systems 498 (2) and 499 (1) Independent Research in Computer Information Systems I and II	3
Information Systems 472 (2) Internship in Computer Information Systems	2
HON 498 (2) and HON 499 (1) Honors Project I and II	3

### ***7-8 additional units chosen from:***

ACC 201 Principles of Financial Accounting	4
BUS 213 Administrative Communication	4
BUS 301 Legal Environment of Business	4
BUS 302 Principles of Marketing	4
BUS 374 Industrial Organizational Psychology/Human Resources	4
CSC 412 Topics in Computer Science	2
CSC 494 Software Project	4
ISS 472 Internship in Computer	2

	Information Systems	
ISS 496	Service Learning in Computer Information Systems I	2
ISS 497	Service Learning in Computer Information Systems II	1
ISS 498	Independent Research in Computer Information Systems I	2
ISS 499	Independent Research in Computer Information Systems II	1
HON 498	Honors Project I	2
HON 499	Honors Project II	1
	<b>TOTAL</b>	<b>31</b>

***Note: An elective class may not count as both upper-division core and a required "additional elective."***

# ***COMPUTER INFORMATION SYSTEMS B.A.***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
CSC 132 Introduction to Computer Science	2
CSC 142 Introduction to Computer Programming	2
CSC 154 Fundamentals of Computer Science	4
CSC 252 Data Structures With Programming	2
ISS 232 Introduction to Computer Information Systems	2
ISS 242 Visual Programming for Business Applications	2
MTH 203 Introduction to Statistics	3
BUS 212 Principles of Management	4
ECO 102 Economics II (Microeconomics)	3
<b>TOTAL</b>	<b>24</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
CSC 373 Computer Networking	3
ISS 312 Operating Systems for Computer Information Systems	2
ISS 324 Software Engineering	4
ISS 381 Telecommunications	1
ISS 414 Database Management Systems	4
ISS 424 Internet Applications Development	4
ISS 481 Senior Seminar in Computer Information Systems	1

### ***Choose one sequence from:***

Information Systems 496 (2) and 497 (1) Service Learning in Computer Information Systems I and II	3
Information Systems 498 (2) and 499 (1) Independent Research in Computer Information Systems I and II	3
Information Systems 472 (2) Internship in Computer Information Systems	2
HON 498 (2) and HON 499 (1) Honors Project I and II	3

### ***3-4 units from:***

ACC 201 Principles of Financial Accounting	4
BUS 213 Administrative Communication	4
BUS 301 Legal Environment of Business	4
BUS 302 Principles of Marketing	4
BUS 374 Industrial Organizational Psychology/Human Resources	4
CSC 412 Topics in Computer Science	2
CSC 494 Software Project	4
ISS 472 Internship in Computer Information Systems	2

ISS 496	Service Learning in Computer Information Systems I	2
ISS 497	Service Learning in Computer Information Systems II	1
ISS 498	Independent Research in Computer Information Systems I	2
ISS 499	Independent Research in Computer Information Systems II	1
HON 498	Honors Project I	2
HON 499	Honors Project II	1
	<b>TOTAL</b>	<b>25</b>

***Note: An elective class may not count as both upper-division core and a required "additional elective."***

# COMPUTER SCIENCE B.S.

## COMPUTER SCIENCE (B.S.)

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
CSC 132	Introduction to Computer Science	2
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
CSC 254	Data Structures and Algorithms	4
MTH 164	Calculus I	4
MTH 174	Calculus II	4
	<b>TOTAL</b>	<b>20</b>

### UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
CSC 314	Operating Systems	4
CSC 324	Software Engineering	4
CSC 354	Design and Analysis of Algorithms	4
CSC 394	Programming Languages	4
CSC 412	Topics in Computer Science	2
CSC 422	Theory of Computation	2
CSC 454	Computer Architecture and Assembly Language	4
CSC 481	Senior Seminar in Computer Science	1
CSC 494	Software Project	4
MTH 344	Discrete Mathematics	4

#### **Choose one sequence from:**

Computer Science 496 (2) and 497 (1) Service Learning in Computer Science I and II	3
Computer Science 498 (2) and 499 (1) Independent Research in Computer Science I and II	3
Information Systems 472 Internship in Computer Information Systems	2
HON 498 (2) and HON 499 (1) Honors Project I and II	3

#### **7-8 additional units chosen from:**

CSC 373	Computer Networking	3
CSC 412	Topics in Computer Science	2
CSC 491	Independent Study in Computer Science	1-4
CSC 496	Service Learning in Computer Science I	2
CSC 497	Service Learning in Computer Science II	1
CSC 498	Independent Research in Computer Science I	2
CSC 499	Independent Research in Computer Science II	1

ISS 414	Data Base Management Systems	4
ISS 424	Internet Applications Development	4
ISS 472	Internship in Computer Information Systems	2
MTH 203	Introduction to Statistics *	3
MTH 232	Linear Algebra	2
MTH 274	Calculus III	4
MTH 312	Advanced Linear Algebra	2
MTH 334	Applied Mathematics	4
MTH 382	Mathematical Statistics*	2
MTH 392	Mathematical Probability	2
HON 498	Honors Project I	2
HON 499	Honors Project II	1
	<b>TOTAL</b>	<b>43</b>

\* *Only one of these two courses may apply as a Computer Science elective, not both.*

*Note: An elective class may not count as both upper-division core and a required "additional elective."*

### **Recommended Electives for Computer Science Tracks**

**Graduate School:** Calculus III, Computer Networking, Introduction to Statistics or Mathematical Probability and Mathematical Statistics.

**Industry - Business Application Development:** Database Management Systems, Internet Application Development, Internship in Computer Information Systems or work experience as a student programmer.

**Industry - Technical Computing Fields (e.g., scientific programming, aerospace, game development):** Calculus III, Linear Algebra, University Physics, Internship in Computer Information Systems or work experience as a student programmer.

### **B. S. in Computer Science with a Concentration in Applied Computer Science**

#### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CSC 132	Introduction to Computer Science	2
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
CSC 254	Data Structures and Algorithms	4
MTH 164	Calculus I	4
MTH 174	Calculus II	4
	<b>TOTAL</b>	<b>20</b>

#### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CSC 314	Operating Systems	4

CSC 324	Software Engineering	4
CSC 354	Design and Analysis of Algorithms	4
CSC 394	Programming Languages	4
CSC 412	Topics in Computer Science	2
CSC 422	Theory of Computation	2
CSC 454	Computer Architecture and Assembly Language	4
CSC 481	Senior Seminar in Computer Science	1
CSC 494	Software Project	4
CSC 496	Service Learning in Computer Science I	2
CSC 497	Service Learning in Computer Science II	1
ISS 414	Data Base Management Systems	4
MTH 344	Discrete Mathematics	4
<b>3 additional units chosen from:</b>		
CSC 373	Computer Networking	3
CSC 412	Topics in Computer Science	2
CSC 491	Independent Study in Computer Science	1-4
ISS 424	Internet Applications Development	4
<b>TOTAL</b>		<b>43</b>

**Note: An elective class may not count as both upper-division core and a required "additional elective."**

### **B. S. in Computer Science with a Concentration in Scientific Programming**

#### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CSC 132	Introduction to Computer Science	2
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
CSC 254	Data Structures and Algorithms	4
MTH 164	Calculus I	4
MTH 174	Calculus II	4
<b>TOTAL</b>		<b>20</b>

#### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CSC 314	Operating Systems	4
CSC 324	Software Engineering	4
CSC 354	Design and Analysis of Algorithms	4
CSC 394	Programming Languages	4
CSC 412	Topics in Computer Science	2
CSC 422	Theory of Computation	2
CSC 454	Computer Architecture and	4

	Assembly Language	
CSC 481	Senior Seminar in Computer Science	1
CSC 494	Software Project	4
MTH 344	Discrete Mathematics	4
<b>Choose one sequence from:</b>		
	Computer Science 498 (2) and 499 (1) Independent Research in Computer Science I and II	3
	HON 498 (2) and HON 499 (1) Honors Project I and II	3
<b>7 additional units chosen from:</b>		
CSC 412	Topics in Computer Science	2
CSC 491	Independent Study in Computer Science	1-4
MTH 274	Calculus III	4
MTH 334	Applied Mathematics	4
MTH 382	Mathematical Statistics	2
MTH 392	Mathematical Probability	2
	<b>TOTAL</b>	<b>43</b>

**Note: An elective class may not count as both upper-division core and a required "additional elective."**

# COMPUTER SCIENCE B.A.

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
CSC 132	Introduction to Computer Science	2
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
CSC 254	Data Structures and Algorithms	4
MTH 164	Calculus I *	4
MTH 174	Calculus II *	4
	<b>TOTAL</b>	<b>17-20</b>

**\*Mathematics 144 and 131 may substitute for the sequence Mathematics 164 and Mathematics 174.**

## UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
CSC 314	Operating Systems	4
CSC 324	Software Engineering	4
CSC 354	Design and Analysis of Algorithms	4
CSC 394	Programming Languages	4
CSC 454	Computer Architecture and Assembly Language	4
CSC 481	Senior Seminar in Computer Science	1
MTH 344	Discrete Mathematics	4

**Choose one sequence from:**

CSC 496	Service Learning in Computer Science I AND	2
CSC 497	Service Learning in Computer Science II OR	1
CSC 498	Independent Research in Computer Science I AND	2
CSC 499	Independent Research in Computer Science II OR	1
ISS 472	Internship in Information Systems OR	2
HON 498	Honors Project I AND	2
HON 499	Honors Project II	1

**2-3 additional units chosen from:**

COURSE	TITLE	UNITS
CSC 412	Topics in Computer Science	2
CSC 422	Theory of Computation	2
CSC 491	Independent Study in Computer Science	1-4
CSC 494	Software Project	4
CSC 496	Service Learning in Computer Science I	2

CSC 497	Service Learning in Computer Science II	1
CSC 498	Independent Research in Computer Science I	2
CSC 499	Independent Research in Computer Science II	1
ISS 414	Data Base Management Systems	4
ISS 424	Internet Applications Development	4
ISS 472	Internship In Computer Information Systems	2
MTH 203	Introduction to Statistics*	3
MTH 232	Linear Algebra	2
MTH 274	Calculus III	4
MTH 312	Advanced Linear Algebra	2
MTH 334	Applied Mathematics	4
MTH 382	Mathematical Statistics*	2
MTH 392	Mathematical Probability	2
HON 498	Honors Project I	2
HON 499	Honors Project II	1
	<b>TOTAL</b>	<b>30</b>

*\* Only one of these two courses may apply as  
a Computer Science elective, not both.*

*Note: An elective class may not count as  
both upper-division core and a required  
"additional elective."*

# MATHEMATICS B.S.

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
MTH 164	Calculus I	4
MTH 174	Calculus II	4
MTH 232	Linear Algebra	2
MTH 242	Number Theory with Proofs	2
MTH 274	Calculus III	4
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
CSC 252	Data Structures with Programming	2
PHY 241	University Physics I	4
	<b>TOTAL</b>	<b>28</b>

## UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
MTH 352	History of Mathematics	2
MTH 382	Mathematical Statistics	2
MTH 424	Real Analysis I	4
MTH 432	Real Analysis II	2
	<i>OR</i>	
MTH 452	Abstract Algebra II	2
MTH 444	Abstract Algebra I	4
MTH 481	Senior Seminar in Mathematics	1
MTH 492	Special Topics in Mathematics	2

### **Choose one course from:**

MTH 312	Advanced Linear Algebra	2
MTH 412	Complex Analysis	2

### **Choose one course from:**

MTH 334	Applied Mathematics	4
MTH 344	Discrete Mathematics	4

### **Choose one sequence from:**

Mathematics 496 (2) and 497 (1) Service Learning in Mathematics I and II	3
Mathematics 498 (2) and 499 (1) Independent Research in Mathematics I and II	3
HON 498 (2) and HON 499 (1) Honors Project I and II	3

### **Seven additional elective units from:**

COURSE	TITLE	UNITS
MTH 312	Advanced Linear Algebra	2
MTH 334	Applied Mathematics	4
MTH 344	Discrete Mathematics	4
MTH 392	Mathematical Probability	2
MTH 402	Topics in Geometry	2
MTH 412	Complex Analysis	2
MTH 432	Real Analysis II	2
MTH 452	Abstract Algebra II	2
MTH 463	Secondary School	3

Mathematics		
MTH 471	History of Mathematics Study Tour	1
MTH 491	Independent Studies in Mathematics	1-4
MTH 492	Special Topics in Mathematics	2
MTH 496	Service Learning in Mathematics I	2
MTH 497	Service Learning in Mathematics II	1
MTH 498	Independent Research in Mathematics I	2
MTH 499	Independent Research in Mathematics II	1
HON 498	Honors Project I	2
HON 499	Honors Project II	1
<b>TOTAL</b>		<b>32</b>

**Note: An elective class may not count as both upper-division core and a required "additional elective."**

**RECOMMENDED ELECTIVES FOR MATHEMATICS TRACKS:**

**Graduate School:** Abstract Algebra II and Real Analysis II, Advanced Linear Algebra, Complex Analysis.

**Teaching:** The university's agreement with the State of California requires students seeking a Single Subject Teaching Credential in Mathematics to take Topics in Geometry, Mathematical Probability, Discrete Mathematics, Complex Analysis and Secondary School Mathematics. In addition, students must take Education 304, Legal, Ethical and Wesleyan Perspectives in Education. Education 402, Research-Based Learning Theory is also recommended.

**Industry:** Complex Analysis, Mathematical Probability, and Applied Mathematics.

**Actuary:** Mathematical Probability, Advanced Linear Algebra, and Discrete Mathematics.

# ***MATHEMATICS B.A.***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MTH 164	Calculus I	4
MTH 174	Calculus II	4
MTH 232	Linear Algebra	2
MTH 242	Number Theory with Proofs	2
MTH 274	Calculus III	4
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
	<b>TOTAL</b>	<b>22</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MTH 352	History of Mathematics	2
MTH 382	Mathematical Statistics	2
MTH 481	Senior Seminar in Mathematics	1

### ***Choose one course from:***

MTH 424	Real Analysis I	4
MTH 444	Abstract Algebra I	4

### ***Choose one course from:***

MTH 334	Applied Mathematics	4
MTH 344	Discrete Mathematics	4

### ***Choose one sequence from:***

Mathematics 496 (2) and 497 (1) Service Learning in Mathematics I and II	3
Mathematics 498 (2) and 499 (1) Independent Research in Mathematics I and II	3
HON 498 (2) and HON 499 (1) Honors Project I and II	3

### ***Eight additional elective units from:***

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MTH 312	Advanced Linear Algebra	2
MTH 334	Applied Mathematics	4
MTH 344	Discrete Mathematics	4
MTH 392	Mathematical Probability	2
MTH 402	Topics in Geometry	2
MTH 412	Complex Analysis	2
MTH 424	Real Analysis I	4
MTH 432	Real Analysis II	2
MTH 444	Abstract Algebra I	4
MTH 452	Abstract Algebra II	2
MTH 471	History of Mathematics Study Tour	1
MTH 491	Independent Study in Mathematics	1-4
MTH 492	Special Topics in Mathematics	2
MTH 496	Service Learning in Mathematics I	2

MTH 497	Service Learning in Mathematics II	1
MTH 498	Independent Research in Mathematics I	2
MTH 499	Independent Research in Mathematics II	1
HON 498	Honors Project I	2
HON 499	Honors Project II	1
	<b>TOTAL</b>	<b>24</b>

***Note: An elective class may not count as both upper-division core and a required "additional elective."***

## ***COMPUTER SCIENCE MINOR***

A minor in Computer Science is offered to those who wish to complement study in another discipline. This minor is not available to students who earn a major in Computer Information Systems.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CSC 132	Introduction to Computer Science	2
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
CSC 254	Data Structures and Algorithms	4
	<b>TOTAL</b>	<b>12</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<b><i>Choose 10 units from:</i></b>		
CSC 314	Operating Systems	4
CSC 324	Software Engineering	4
CSC 334	Artificial Intelligence	4
CSC 354	Design and Analysis of Algorithms	4
CSC 394	Programming Languages	4
CSC 412	Topics in Computer Science	2
CSC 454	Computer Architecture and Assembly Language	4
ISS 372	Network Administration	2
ISS 414	Data Base Management Systems	4
ISS 424	Internet Applications Development	4
	<b>TOTAL</b>	<b>10</b>
	<b>MINOR TOTAL</b>	<b>22</b>

## ***INFORMATION SYSTEMS MINOR***

A minor in Computer Information Systems is offered to those who wish to complement study in another discipline. This minor is not available to students who earn a major in Computer Science.

### **REQUIRED COURSES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CSC 132	Introduction to Computer Science	2
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4
ISS 232	Introduction to Computer Information Systems	2
ISS 242	Visual Programming for Business Applications	2
BUS 212	Principles of Management	4
<b>Choose six additional units from:</b>		
CSC 373	Computer Networking	3
ISS 312	Operating Systems for Computer Information Systems	2
ISS 381	Telecommunications	1
ISS 414	Database Management Systems	4
ISS 472	Internship in Computer Information Systems	2
<b>MINOR TOTAL</b>		<b>22</b>

# ***MATHEMATICS MINOR***

## **REQUIRED COURSES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MTH 164	Calculus I	4
MTH 174	Calculus II	4
MTH 232	Linear Algebra	2
<b>Choose 12 additional units from:</b>		
MTH 242	Number Theory with Proofs	2
MTH 274	Calculus III	4
MTH 312	Advanced Linear Algebra	2
MTH 334	Applied Mathematics	4
MTH 344	Discrete Mathematics	4
MTH 352	History of Mathematics	2
MTH 382	Mathematical Statistics	2
MTH 392	Mathematical Probability	2
MTH 402	Topics in Geometry	2
MTH 412	Complex Analysis	2
MTH 424	Real Analysis I	4
MTH 432	Real Analysis II	2
MTH 444	Abstract Algebra I	4
MTH 452	Abstract Algebra II	2
MTH 471	History of Mathematics Study Tour	1
MTH 492	Special Topics in Mathematics	2
<b>MINOR TOTAL</b>		<b>22</b>

# MATHEMATICAL, INFORMATION, AND COMPUTER SCIENCES COURSES

## Computer Science Courses

### Lower-Division

#### **CSC 132 (2) INTRODUCTION TO COMPUTER SCIENCE**

An overview of the field of computer science, including computer architecture, operating systems and networks, algorithms, programming languages, software engineering, and the theory of computation. Lecture two hours and laboratory four hours each week. Offered on a Quad basis.

*Prerequisite: Mathematics 113 (or equivalent).*

#### **CSC 142 (2) INTRODUCTION TO COMPUTER PROGRAMMING**

Introduces the syntax of a high level programming language with emphasis on the programming environment and the use of the constructs of the language to write simple application programs. Lecture two hours and laboratory four hours each week. Offered on a Quad basis.

*Prerequisite: Mathematics 113 (or equivalent).*

#### **CSC 154 (4) FUNDAMENTALS OF COMPUTER SCIENCE**

In the context of a modern programming language, such topics as problem solving strategies, basic data structures, and data and procedural abstraction are discussed. Programming problems involve game playing and the use of a graphical user interface. Lecture two hours and laboratory four hours each week.

*Prerequisites: Computer Science 142 with a grade of C- or higher.*

#### **CSC 161 (1) PRESENTATION TECHNOLOGY**

Students learn basic to advanced features of Microsoft Powerpoint, such as inserting video clips, adding sound clips, using the drawing toolbar, auto shapes for diagrams, tables, and animation. In addition, the students are informed about how to use these tools wisely and effectively. Offered on a Quad basis.

*Prerequisite: Mathematics 099.*

#### **CSC 171 (1) INTERNET RESEARCH, ETHICS AND PUBLISHING**

Students learn how to better search for, access, and critically evaluate information on the internet. They gain a basic computer science understanding of copyright, privacy, and security. The ethics of using the Internet is discussed. In addition, the students experience publishing techniques such as blogs and wikis. Offered on a Quad basis.

*Prerequisite: Mathematics 099.*

#### **CSC 181 (1) EXCEL**

Students learn basic features of Excel as well as specific functions that may be useful for their future in areas of business, accounting, and science. Topics may include items such as relative vs. absolute referencing, worksheet formatting, calculating interest rates, using conditionals, formulas, graphs, and charts. Examples are selected based on the majors of the students enrolled in the class. Offered on a Quad basis.

*Prerequisite: Mathematics 099.*

#### **CSC 191(1) DATA MINING/ DATABASES**

Data mining is the process of analyzing the fields in large relational databases to find correlations or patterns that may be used to make predictions or find cause/effect relationships. Students learn to use data mining software on data collected for any discipline. Offered on a Quad basis.

*Prerequisite: Mathematics 099.*

#### **CSC 252 (2) DATA STRUCTURES WITH PROGRAMMING**

This course introduces students to advanced programming concepts such as pointers and dynamic memory allocation necessary to implement elementary data structures such as stacks, queues, linked lists, hash tables, and binary search trees. Three lecture hours and two lab hours each week. Students who have taken Computer Science 254 may not take this class for credit. Offered on a Quad basis.

*Prerequisite: Computer Science 154 with a grade of C- or higher.*

#### **CSC 254 (4) DATA STRUCTURES AND ALGORITHMS**

Standard data structures, including queues, stacks, trees, and graphs, as objects are defined and illustrated with associated dynamic storage management mechanisms; computational complexity is explored through the design and analysis of searching, sorting, and graph algorithms. Lecture three hours and laboratory two hours each week.

*Prerequisite: Computer Science 154 with a grade of C- or higher.*

### Upper-Division

**CSC 314 (4) OPERATING SYSTEMS**

A course in systems software that is largely concerned with operating systems. Such topics as process management, device management, and memory management are discussed, as are relevant issues associated with security and protection. Computer hardware concepts related to operating systems are also covered. A significant component of the course covers graphical user interface, application programmer interface (API) provided by modern operating systems such as Windows NT and Unix.

*Prerequisite: Computer Science 254.*

**CSC 324 (4) SOFTWARE ENGINEERING**

This course offers an in-depth treatment of the software development process. Software analysis and design study emphasizes an object-oriented approach that is introduced and contrasted with traditional design methodologies. CASE tools are used during the design process. Lecture three hours and laboratory two hours each week. Offered 2010-2011.

*Corequisite: Computer Science 254.*

**CSC 354 (4) DESIGN AND ANALYSIS OF ALGORITHMS**

Introduces formal techniques to support the design and analysis of algorithms, focusing on both the underlying mathematical theory and practical considerations of efficiency. Topics include measuring the complexity of algorithms, algorithmic strategies, the concept of intractability and the theory of NP. Emphasis is placed on non-numerical algorithms such as sorting, searching, and graph and network algorithms.

Offered 2009-2010.

*Prerequisites: Computer Science 254 and Mathematics 344.*

**CSC 373 (3) COMPUTER NETWORKING**

This course provides an introduction to modern computer network technologies. Students gain an understanding of networking fundamentals including layering and the OSI model, protocols, standards, and network services. LANS, MANS, WANS, Internet and wireless networks are covered. While theory is the focus of the class, some hands-on activities are included. Offered 2009-2010.

*Prerequisite: Computer Science 154 and Junior standing.*

**CSC 394 (4) PROGRAMMING LANGUAGES**

This course in programming languages covers language design issues and language translators. Laboratories give students a practical understanding of programming language concepts as well as give experience in programming using several programming languages. Lecture three hours and laboratory two hours each week. Offered 2009-2010.

*Prerequisites: Computer Science 254 and Mathematics 344.*

**CSC 412 (2) TOPICS IN COMPUTER SCIENCE**

Study of an area of computer science not otherwise included in the curriculum. Topics are determined by the needs and interest of the students and faculty involved. Offered on a Quad basis. May be repeated up to a total of six units.

*Prerequisites: Computer Science 254, Mathematics 131 and 144 or Mathematics 164 and consent of instructor.*

**CSC 422 (2) THEORY OF COMPUTATION**

An introduction to the theory of computation. Topics include Finite Automata and Regular Expressions, Context-Free Grammars and Pushdown Automata, Turing Machines, Decidability and Reducibility. Offered on a Quad basis. Offered 2010-2011.

*Prerequisites: Computer Science 254 and Mathematics 344.*

**CSC 454 (4) COMPUTER ARCHITECTURE AND ASSEMBLY LANGUAGE**

An in-depth treatment of computer architecture, including digital logic, digital systems, memory system organization, interfacing and communications, and alternative architectures. Students gain experience writing assembly language programs. Lecture three hours and laboratory two hours each week. Offered 2010-2011.

*Prerequisite: Computer Science 154.*

**CSC 481 (1) SENIOR SEMINAR IN COMPUTER SCIENCE**

This one-unit capstone course is a seminar in which faculty members, some guests, and the students give lectures on topics of general interest in computer science. Graded Credit/No Credit.

*Prerequisite: Senior standing (or Junior standing if a December graduate).*

**CSC 491 (1-4) INDEPENDENT STUDIES IN COMPUTER SCIENCE**

Study of a selected problem or topic under the direction of an instructor. The instructor and student propose the course of study. Approval by the department chair is required. May be repeated for a total of six units.

*Prerequisite: Consent of instructor.*

**CSC 494 (4) SOFTWARE PROJECT**

This course presents the student with a strong experience in software engineering. Students, working in teams, investigate, design, implement and present to their classmates a significant software project. The project should solve a significant, complex and generalizable problem, dealing with constraints and trade-offs in the solution. The course includes study of project management concerns such as planning, scheduling, and assessing progress. Offered 2010-2011.

*Prerequisites: Computer Science 324 and Junior or Senior standing.*

**CSC 496 (2) SERVICE LEARNING IN COMPUTER SCIENCE I**

Students working in teams design and implement a project using a broad spectrum of computer science knowledge to meet the needs of a community organization or the university.

*Prerequisites: Consent of instructor and Junior standing.*

**CSC 497 (1) SERVICE LEARNING IN COMPUTER SCIENCE II**

Continuation of the service learning project designed in Computer Science 496.

*Prerequisites: Computer Science 496.*

**CSC 498 (2) INDEPENDENT RESEARCH IN COMPUTER SCIENCE I**

Independent research conducted under the guidance of a faculty mentor. The instructor and student propose the research topic.

*Prerequisites: Approval of the department chair, consent of instructor, and Junior standing.*

**CSC 499 (1) INDEPENDENT RESEARCH IN COMPUTER SCIENCE II**

The continuation of independent research conducted under the guidance of a faculty mentor. The instructor and student propose the research topic.

*Prerequisites: Approval of the department chair, Computer Science 498, and consent of instructor.*

## **Computer Information Systems Courses**

### ***Lower-Division***

**ISS 232 (2) INTRODUCTION TO COMPUTER INFORMATION SYSTEMS**

This course is an overview of the field of computer information systems and is intended to give the student a summary of the topics to be covered in the CIS major. The topics covered include an introduction to the computer-based information systems, computer hardware and software, and successful management of information systems.

*Prerequisite: Computer Science 154.*

**ISS 242 (2) VISUAL PROGRAMMING FOR BUSINESS APPLICATIONS**

The course focuses on core concepts and features of Visual Basic programming, such as graphic user interface programming, object-oriented programming, event-driven programming, and web based programming. This class is built around programming real world business applications. Offered 2010-2011.

*Prerequisite: Computer Science 154*

### ***Upper-Division***

**ISS 312 (2) OPERATING SYSTEMS FOR COMPUTER INFORMATION SYSTEMS**

A course in systems software that is largely concerned with operating systems. Topics covered include GUI and command-line operating systems, system installation, hardware structures, process management and file management. Offered on a Quad basis.

*Corequisite: Computer Science 252 or 254.*

**ISS 324 (4) SOFTWARE ENGINEERING**

This course offers an in-depth treatment of the software development process. Software analysis and design study emphasizes an object-oriented approach that is introduced and contrasted with traditional design methodologies. CASE tools are used during the design process. Lecture three hours and laboratory two hours each week. Offered 2010-2011.

*Corequisite: Computer Science 252 or 254.*

**ISS 381 (1) TELECOMMUNICATIONS**

This course develops an awareness of how modern telecommunications systems are used to support organizational communication demand. Students gain knowledge of the issues related to the economics, design, and management of modern telecommunications systems. Topics include telecommunication technologies, standards, and industry regulations. Offered on a Quad basis. Offered 2009-2010.

*Prerequisite: Computer Science 373.*

**ISS 414 (4) DATA BASE MANAGEMENT SYSTEMS**

Physical data organization, data models (including relational, network, and hierarchical), the CODASYL approach, query optimization, integrity, security, and interface design of data bases. An examination of

currently available models that can be used to evaluate the trade-offs in systems and data base development. Offered 2009-2010.

*Prerequisite: Computer Science 154.*

#### **ISS 424 (4) INTERNET APPLICATIONS DEVELOPMENT**

An information technology course designed to develop the skills required to build and maintain the server sites on the Internet. Provides an overview of how the Internet works, as well as experience with many of the most widely used Internet technologies. Offered 2010-2011.

*Prerequisite: Computer Science 252 or 254 and Information Systems 312 or Computer Science 314.*

#### **ISS 472 (2) INTERNSHIP IN COMPUTER INFORMATION SYSTEMS**

A supervised experience in which the student works with industry professionals to gain experience with managing information systems. May be repeated to a total of four units. This course is graded Credit/No Credit only.

*Prerequisite: Student must have taken at least two upper-division courses for their major and consent of instructor.*

#### **ISS 481 (1) SENIOR SEMINAR IN COMPUTER INFORMATION SYSTEMS**

This one-unit capstone course is a seminar in which faculty members, some guests and the students give lectures on topics of general interest in computer information systems. Graded Credit/No Credit.

*Prerequisite: Senior standing (or Junior standing if a December graduate).*

#### **ISS 496 (2) SERVICE LEARNING IN COMPUTER INFORMATION SYSTEMS I**

Students working in teams design and implement a project using a broad spectrum of information systems knowledge to meet the needs of a community organization or the university.

*Prerequisites: Consent of instructor and Junior standing.*

#### **ISS 497 (1) SERVICE LEARNING IN COMPUTER INFORMATION SYSTEMS II**

Continuation of the service learning project designed in Computer Information Systems 496.

*Prerequisite: Information Systems 496.*

#### **ISS 498 (2) INDEPENDENT RESEARCH IN COMPUTER INFORMATION SYSTEMS I**

Independent research conducted under the guidance of a faculty mentor. The instructor and student propose the research topic.

*Prerequisites: Approval of the department chair, consent of instructor, and Junior standing.*

#### **ISS 499 (1) INDEPENDENT RESEARCH IN COMPUTER INFORMATION SYSTEMS II**

The continuation of independent research conducted under the guidance of a faculty mentor. The instructor and student propose the research topic.

*Prerequisites: Approval of the department chair, Information Systems 498, and consent of instructor.*

## **Mathematics Courses**

### ***Lower-Division***

#### **MTH 099 (3) ELEMENTARY ALGEBRA**

An introduction to algebra, including a study of the real number system, solutions of linear and quadratic equations, polynomials, factoring, systems of equations, graphing, inequalities, and radicals.

*Note: This course does not count toward the minimum 128 units required for graduation.*

#### **MTH 113 (3) INTERMEDIATE ALGEBRA**

A review and extension of elementary algebra, solutions of linear and quadratic equations, radicals, inequalities, linear and quadratic functions, polynomial functions, exponential and logarithmic functions, and graphing. Offered every fall semester.

*Prerequisite: Mathematics 099 (or equivalent).*

#### **MTH 121 (1) GRAPHICAL AND NUMERICAL CALCULUS**

A refresher course to deepen the insights of calculus concepts for those taking Mathematics 131 after completing a calculus course. Graded Credit/No Credit.

*Corequisite: Mathematics 131, and a score of 3 or more on AP 114 or AP 115 or credit for a calculus course from another institution.*

#### **MTH 123 (3) ELEMENTARY FUNCTIONS**

A basic introduction to functions designed to meet the prerequisite skills necessary for the study of calculus. A study of polynomial, rational, exponential, logarithmic, and trigonometric functions, coordinate geometry, and graphing.

*Prerequisite: Mathematics 113 (or equivalent).*

#### **MTH 131 (1) COMPUTER AIDED CALCULUS**

Introduction to the use of a computer algebra system to complement the knowledge of calculus.

*Corequisite: Mathematics 144 or a score of 3 or higher on AP 114 or AP 115.*

**MTH 133 (3) PRE-CALCULUS**

An introduction to the functions necessary for the study of calculus with an emphasis on numericals and graphical notions of continuity, limits and derivatives. The following function types are used as examples for the study of the concepts: polynomial, rational, exponential, logarithmic, and trigonometric functions.

*Prerequisite: Mathematics 113 or equivalent.*

**MTH 144 (4) CALCULUS WITH APPLICATIONS–GE**

Differential and integral calculus of the elementary functions of one variable. Limits, continuity, derivatives, integrals, and applications.

*Prerequisites: Mathematics 123 and 133, or equivalent.*

**MTH 164 (4) CALCULUS I–GE**

Calculus of the elementary functions of one variable, supported by the use of computer graphics and a symbolic computer algebra system. Limits, continuity, derivatives, integration and applications.

*Prerequisites: Mathematics 123 and 133, or equivalent.*

**MTH 174 (4) CALCULUS II**

A continuation of Calculus I. Methods of integration, sequences, series, elementary differential equations, polar coordinates and parametric equations.

*Prerequisites: Mathematics 131 and 144 or 164.*

**MTH 203 (3) INTRODUCTION TO STATISTICS**

A first course in statistics for the general student. Description of sample data, probability theory, theoretical frequency distributions, sampling, estimation, and hypothesis testing. Not applicable toward a major in Mathematics.

*Prerequisite: Mathematics 099 or equivalent.*

**MTH 213 (3) FUNDAMENTALS OF ELEMENTARY MATHEMATICS I**

A comprehensive approach to the mathematical knowledge necessary for a California multiple subject teaching credential (K-8). Topics covered in this course include whole numbers, numeration systems, fractions, decimals, ratios, proportions and an introduction to number theory. The integers, rational numbers, irrational numbers and real numbers are studied along with algebraic expressions, inequalities, graphs and polynomials. This class is highly interactive and emphasizes group work and cooperative learning. Not applicable toward a major in Mathematics. Passing an 8th grade mathematics proficiency test is a requirement for the completion of this course.

*Prerequisite: Mathematics 113 or equivalent.*

**MTH 223 (3) FUNDAMENTALS OF ELEMENTARY MATHEMATICS II**

A continuation of Mathematics 213 focusing on additional knowledge necessary for a California multiple-subject teaching credential (K-8). Topics covered in this course include data analysis and statistics, probability, combinations and permutations, simulations as well as standard and non-standard measurement. Planar and three dimensional geometry and geometric constructions are studied, including an algebraic approach to geometry. This class is highly interactive and emphasizes group work and cooperative learning.

*Prerequisite: Mathematics 213.*

**MTH 232 (2) LINEAR ALGEBRA**

A computational introduction to linear algebra with applications. A study of linear equations, matrix algebra, Euclidean spaces and subspaces supported by the use of a symbolic computer algebra system. Offered on a Quad basis.

*Prerequisite: Mathematics 144 or 164.*

**MTH 242 (2) NUMBER THEORY WITH PROOFS**

An introduction to proofs using the study of natural numbers, integers, prime factorization, divisibility, congruences, multiplicative functions, continued fractions, quadratic residues. Methods used include investigation, conjecture, inductive and deductive proofs. Offered on a Quad basis.

*Prerequisite: Mathematics 144 or 164.*

**MTH 274 (4) CALCULUS III**

Conceptual development of the calculus of functions of more than one variable supported by the use of a symbolic computer algebra system. Limits and continuity, partial derivatives, chain rule, extreme values, Taylor's theorem, multiple integrals, line and surface integrals, Green's Theorem and Stokes' Theorem.

*Prerequisite: Mathematics 174.*

***Upper-Division***

**MTH 303 (3) PROBLEM SOLVING—GE**

A general education course whose major goal is to develop the ability to solve non-routine problems through dynamic processes of inquiry and exploration, logical reasoning, making and testing conjectures and investigating implications of conclusions. A study of quantitative reasoning with emphasis on active problem solving and developing connections with other disciplines. Not applicable toward a major in Mathematics.

*Prerequisites: Mathematics 099 or equivalent and Junior or Senior standing.*

**MTH 312 (2) ADVANCED LINEAR ALGEBRA**

A continuation of Mathematics 232 with emphasis on the theory of vector spaces, linear transformations, eigenvalues, eigenvectors and inner products. Offered on a Quad basis. Offered 2010-2011.

*Prerequisite: Mathematics 232.*

**MTH 334 (4) APPLIED MATHEMATICS**

Ordinary differential equations, Laplace transformation, Fourier analysis, partial differential equations, optimization, and mathematical modeling. Offered 2010-2011.

*Prerequisite: Mathematics 274.*

**MTH 344 (4) DISCRETE MATHEMATICS**

Sets, functions, propositional logic and switching theory, graphs including trees, matrices, induction and proof by contradiction, combinatorics, and probability. Selected applications from computer science included. Offered 2009-2010.

*Prerequisite: Mathematics 131 and 144 or 164.*

**MTH 352 (2) HISTORY OF MATHEMATICS**

Development of mathematics from pre-Greek to recent times. Perspectives and contributions of persons from diverse cultural, ethnic, and gender groups. Impact of culture on mathematical progress. Offered on a Quad basis. Offered 2010-2011.

*Prerequisite: Mathematics 144 or 164.*

**MTH 362 (2) CALCULUS BASED STATISTICS**

A first course in descriptive and inferential statistics for general students who have taken calculus. Topics include experimental design, sampling and sampling distributions, point estimation and hypothesis testing supported by the use of statistical software. Not applicable toward a major in Mathematics. Offered on a Quad basis.

*Prerequisite: Mathematics 144 or 164 or equivalent.*

**MTH 382 (2) MATHEMATICAL STATISTICS**

A first course in descriptive and inferential statistics for students with sophisticated mathematics exposure. Topics include applied work in experimental design, sampling distributions, point estimation and hypothesis testing supported by the use of statistical software. In addition, the theoretical basis for these techniques is explored. Offered on a Quad basis.

*Prerequisite: Mathematics 274.*

**MTH 392 (2) MATHEMATICAL PROBABILITY**

A first course in probability for students with sophisticated mathematics exposure. Topics include axioms of probability, random variables, discrete and continuous distributions, mathematical expectation and limit theorems. Offered 2009-2010. Offered on a Quad basis.

*Corequisite: Mathematics 382.*

**MTH 402 (2) TOPICS IN GEOMETRY**

A study of the foundations of geometry, Affine, non-Euclidean and projective geometries. A synthetic development of advanced Euclidean geometry including geometric transformations, convexity, and constructions. Offered on a Quad basis. Offered 2010-2011.

*Prerequisite: Mathematics 144 or 164.*

**MTH 412 (2) COMPLEX ANALYSIS**

Complex numbers, analytic functions, integration, series, contour integration, residues and conformal maps. Offered on a Quad basis. Offered 2009-2010.

*Corequisite: Mathematics 274.*

**MTH 424 (4) REAL ANALYSIS I**

Real numbers, topology of Euclidean n-space, continuity, differentiation and integration theory. Offered 2009-2010.

*Corequisites: Mathematics 232 and 242 and Junior standing.*

**MTH 432 (2) REAL ANALYSIS II**

Continuation of Mathematics 424. Differentiation and integration in Euclidean n-space, uniform

convergence. Offered on a Quad basis. Offered 2009-2010.

*Prerequisite: Mathematics 424.*

**MTH 444 (4) ABSTRACT ALGEBRA I**

A study of groups, rings, fields and related structures with selected applications. Offered 2010-2011.

*Corequisites: Mathematics 232 and 242 and Junior standing.*

**MTH 452 (2) ABSTRACT ALGEBRA II**

Continuation of Mathematics 444. Polynomial rings, finite fields and extension fields. Offered on a Quad basis. Offered 2010-2011.

*Prerequisite: Mathematics 444.*

**MTH 463 (3) SECONDARY SCHOOL MATHEMATICS**

An analysis of the secondary school mathematics curriculum from the perspective of collegiate mathematics. Strategies and models for developing mathematical concepts and skills for understanding and communicating mathematical ideas effectively. Emphasis on critical thinking, problem solving, mathematical connections, use of technology, assessment issues and field experiences. Offered 2010-2011.

*Prerequisites: Mathematics 274.*

*Corequisites: Education 304 and Junior standing.*

**MTH 471 (1) HISTORY OF MATHEMATICS STUDY TOUR**

This course is conducted as a European trip (countries vary). The course uses specific museums, library collections and historic sites to investigate the development of mathematics in relation to specific problems. Lectures and meetings are held during the semester and a series of lectures by the professor and others are presented on location. Offered 2009-2010.

*Prerequisite: Consent of the instructor.*

**MTH 481 (1) SENIOR SEMINAR IN MATHEMATICS**

This one-unit capstone course is a seminar in which faculty members, some guests, and the students give lectures on topics of general interest in mathematics. Graded Credit/No Credit.

*Prerequisite: Senior standing (or Junior standing if a December graduate).*

**MTH 491 (1-4) INDEPENDENT STUDY IN MATHEMATICS**

Study of a selected problem or topic under the direction of an instructor. The instructor and student propose the course of study. Approval by the department chair is required. May be repeated for a total of six units.

*Prerequisite: Consent of instructor.*

**MTH 492 (2) SPECIAL TOPICS IN MATHEMATICS**

Study of an area of mathematics not otherwise included in the curriculum. The needs and interests of students and faculty involved determine the topics. May be repeated for a total of six units.

*Prerequisite: Consent of instructor.*

**MTH 496 (2) SERVICE LEARNING IN MATHEMATICS I**

Students working in teams design and implement a project using a broad spectrum of mathematical knowledge to meet the needs of a community organization or the university.

*Prerequisites: Consent of instructor and Junior standing.*

**MTH 497 (1) SERVICE LEARNING IN MATHEMATICS II**

Continuation of the service learning project designed in Mathematics 496.

*Prerequisites: Mathematics 496.*

**MTH 498 (2) INDEPENDENT RESEARCH IN MATHEMATICS I**

Independent research conducted under the guidance of a faculty mentor. The instructor and student propose the research topic.

*Prerequisites: Approval of the department chair, consent of instructor, and Junior standing.*

**MTH 499 (1) INDEPENDENT RESEARCH IN MATHEMATICS II**

The continuation of independent research conducted under the guidance of a faculty mentor. The instructor and student propose the research topic. Approval of the department chair is required.

*Prerequisites: Mathematics 498 and consent of instructor.*

# MUSIC

## Purposes

The mission of the Department of Music is to pursue musical excellence within a community of grace. The department seeks to develop 1) leaders in education, composition, performance, and worship, 2) life-long participants in music who are critical thinkers, discerning listeners, creative composers, skilled performers, and worshipful servants of Jesus Christ, and 3) an atmosphere that fosters individual and corporate growth, high performance standards, community service, the spirit of Christ, and worship and praise.

## Tradition of Excellence

For many years, the Department of Music has been recognized for the quality of its programs. In addition, the Department of Music has achieved accreditation by the National Association of Schools of Music (NASM). Faculty members are performing artists who frequently give recitals, serve as guest conductors, clinicians, or adjudicators and compose or arrange for publication. As a result of the faculty's professional guidance, students are encouraged toward successful careers.

## Career Opportunities

At PLNU, every student is assured of many performance opportunities through the university's performing ensembles. Point Loma music ensembles travel all over the world as well as performing in churches throughout California, Arizona, Nevada, and New Mexico. Students are actively involved in church music programs in the San Diego area as directors, soloists, worship leaders, and instrumentalists. Point Loma graduates are sought after by schools, churches, and businesses because of the university's academic reputation. A number of graduates go directly into teaching positions and many are involved in church music as full-time music ministers. During the past two decades, students have been accepted into graduate schools such as USC, Indiana University, University of Missouri, University of Illinois, Arizona State University, San Diego State University, and many others. Several graduates have been successful in writing music for television and films, and in music publishing and music editing.

## Scholarships

Generous scholarships in music are available to students. These are given on the basis of auditions and are renewable. Applications may be secured through the department office at 619-849-2445.

## Performing Ensembles

PLNU offers a full range of performing ensembles, including Choral Union, Concert Choir, Point Loma Singers, Chorale, Vocal Jazz Ensemble, String Quartet, Concert Band, Handbell Choir, Jazz Band, and Chamber Orchestra. Each music major participates in at least one of these groups. Many students from other departments also participate.

## Majors

Composition  
Music  
Music and Ministry  
Music Education  
Instrumental Performance  
Piano Performance  
Vocal Performance

## Minor

Music

## Courses

## Faculty

William P. Clemmons, Ph.D.  
*City University of New York*

Daniel S. Jackson, D.W.S.  
*Institute for Worship Studies*

John Craig Johnson, D.M.A.  
*University of Southern California*

Paul S. Kenyon, D.M.A., Chair  
*Michigan State University*

Victor K. Labenske, D.M.A.  
*University of Southern California*

Brenda J. Martin, M.A., Visiting  
*Arizona State University*

Daniel C. Nelson, Ph.D.  
*University of Minnesota*

Keith E. Pedersen, D.M.A.  
*University of Illinois*

Juliette C. Singler, D.M.A.  
*Claremont Graduate School*

Philip W. Tyler, D.Mus.  
*Florida State University*

# MUSIC MAJOR

## CORE CURRICULUM

(Required of all Music majors)

COURSE	TITLE	UNITS
<b>Music Theory:</b>		
MUT 120	Music Theory I	5
MUT 121	Music Theory II	4
<b>Music History:</b>		
MUH 101	Introduction to Listening	2
MUH 331	Music History I	2
MUH 332	Music History II	2
MUH 333	Music History III	2
MUH 334	World Music	2
MUH 431	Faith, Life, and Music	2
<b>Applied:</b>		
MUA 201	Piano Proficiency Exam	0
MUA 212	Beginning Conducting	2
	<i>One-unit Ensembles</i>	4
	<i>Applied Music in major performing area</i>	4
<b>Recital Attendance</b>		
MUA 101	Recital Attendance - 4 semesters	0
	<b>TOTAL</b>	<b>31</b>

## Bachelor of Arts in Music (B.A.)

COURSE	TITLE	UNITS
<b>Choose 3 units from:</b>		
MUT 432	Orchestration	3
MUT 443	Choral Arranging	3
MUT 490	Special studies in music theory	1-2
MUH 311	Piano Literature	3
MUH 309	Vocal Literature I	2
MUH 310	Vocal Literature II	2
MUH 312	Instrumental Literature	2
	Required additional elective units in music (7 units must be upper-division)	14
	<b>TOTAL</b>	<b>17</b>

**A minor from the following list is recommended:**

Theatre, Media Communication, or Business Administration

## Bachelor of Arts in Music and Ministry (B.A.)

COURSE	TITLE	UNITS
CMU 201	Instruments in Worship	2
CMU 202	Multi-Media for Worship Ministry	2
CMU 433	Hymnology	3
CMU 314	Music and Worship	3

CMU 315	Church Music Administration	2
CMU 451	Internship	2
MUA 312	Choral Conducting and Literature	2
	<b>TOTAL</b>	<b>16</b>

***A minor from the following list is recommended:***

Youth Ministry, Theatre, Communication, or Media Communication

### **Bachelor of Arts in Music Education (B.A.)**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<b><i>Music Theory:</i></b>		
MUT 220	Music Theory III	4
MUT 432	Orchestration <b>OR</b>	3
MUT 443	Choral Arranging	
<b><i>Recital Attendance:</i></b>		
MUA 101	Recital Attendance - 4 semesters	0
<i>Applied Music in major performing area</i>		
	<i>One-unit Ensembles</i>	4
	Voice (class or private)	2
MUA 313	Instrumental Conducting	2
MUE 201	Woodwind Instruments	1
MUE 202	Brass Instruments	1
MUE 203	Percussion Instruments	1
MUE 204	String Instruments	1
MUA 312	Choral Conducting and Literature	2
MUE 303	Choral and Vocal Techniques	2
MUE 441	Elementary School Music Methods	3
MUE 454	Secondary School Music Methods	3
MUA 376	Junior Recital	0
	<b>TOTAL</b>	<b>33</b>

Additional requirements for the California Teaching Credential are listed in the School of Education under the Single-Subject credential.

### **Bachelor of Music in Piano Performance (B.Mus.)**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MUT 220	Music Theory III	4
MUT 221	Music Theory IV	4
MUT 302	Analysis of Form and Texture in Music	3
MUA 313	Instrumental Conducting <b>OR</b>	2
MUA 312	Choral Conducting and Literature	
MUE 311	Piano Pedagogy I	2
MUE 411	Piano Pedagogy II	2

MUH 311	Piano Literature	3
MUP 339	Small Ensemble	2
MUA 256	Piano	4
MUA 356	Piano	4
MUA 456	Piano	4
MUA 376	Junior Recital	0
MUA 476	Senior Recital	0
MUA 101	Recital Attendance - 4 semesters	0
	<i>One-unit Ensembles</i>	4
	<i>Voice (class or private)</i>	2
	<i>Upper-division Theory</i>	3
	<i>Music Electives</i>	4
	<b>TOTAL</b>	<b>47</b>

### **Bachelor of Music in Instrumental Performance (B.Mus.)**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MUT 220	Music Theory III	4
MUT 221	Music Theory IV	4
MUT 302	Analysis of Form and Texture in Music	3
MUA 313	Instrumental Conducting	2
MUH 312	Instrumental Literature	2
MUE 312	Instrumental Pedagogy	2
MUE 451	Teaching Apprenticeship	2
MUP 399	Small ensemble	4
	<i>Applied Music in major performance area</i>	12
MUA 376	Junior Recital	0
MUA 476	Senior Recital	0
	<i>One-unit Ensembles</i>	4
MUA 101	Recital Attendance - 4 semesters	0
	<i>Upper-division Theory</i>	3
	<i>Music Electives</i>	5
	<b>TOTAL</b>	<b>47</b>

### **Bachelor of Music in Vocal Performance (B.Mus.)**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
<b><i>Music Theory:</i></b>		
MUT 220	Music Theory III	4
MUT 221	Music Theory IV	4
MUT 302	Analysis of Form and Texture in Music	3
MUA 255	Voice	4
MUA 355	Voice	4
MUA 455	Voice	4
MUA 376	Junior Recital	0
MUA 476	Senior Recital	0
MUA 101	Recital Attendance - 4	0

	semesters	
MUA 312	Choral Conducting and Literature	2
MUE 310	Vocal Pedagogy	2
MUE 451	Teaching Apprenticeship	2
MUA 250	Diction I	1
MUA 251	Diction II	1
MUH 309	Vocal Literature I	2
MUH 310	Vocal Literature II	2
	<i>One-unit Ensembles</i>	4
	<i>Upper-division Theory</i>	3
	<i>Music Electives</i>	2
	<b>Three units from:</b>	
MUA 331	Acting for Singers	1
MUA 332	Production	1-2
	<b>TOTAL</b>	<b>47</b>

### **Bachelor of Music in Composition (B.Mus.)**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
	<b><i>Music Theory:</i></b>	
MUT 220	Music Theory III	4
MUT 221	Music Theory IV	4
	<i>Upper-division music theory</i>	12
MUA 101	Recital Attendance - 4 semesters	0
MUC 252	Private Composition	2
MUC 352	Private Composition	4
MUC 452	Private Composition	4
MUC 477	Senior recital in Composition	0
MUA 313 MUA 312	Instrumental Conducting OR Choral Conducting and Literature	2
	<i>One-unit Ensembles</i>	4
	<i>Voice (class or private)</i>	2
	<i>Music Electives</i>	9
	<b>TOTAL</b>	<b>47</b>

### **Special Requirements**

1. A solo Junior Recital of at least 30 minutes given during the junior or senior year is required of Music majors selecting majors in Performance and Music Education. The student must achieve the 300-level of proficiency before scheduling the Junior Recital. The student must also enroll for the appropriate level of applied study during the semester of the recital performance.
2. Students accepted into performance degree programs must achieve the 300-level of proficiency in their performing area and give a Junior Recital during their junior year. They must also achieve the 400- level of proficiency and give a solo Senior Recital , one hour in length, during their senior year. The performance degree programs are reserved for students of marked talent and proficiency.
3. Composition majors must give a 45-minute composition recital of original works during their senior year.

4. For graduation, Bachelor of Music and Music Education majors must earn credit in a one-unit ensemble for a minimum of eight semesters. Bachelor of Arts and Music and Ministry majors must earn credit in a one-unit ensemble for a minimum of four semesters. Wind, string, and percussion students meet this requirement by performing in the Concert Band or Chamber Orchestra. Vocalists meet this requirement by performing in Chorale, Concert Choir or Point Loma Singers. Keyboard students may choose either choral or instrumental ensembles.
5. Music majors are required to perform in Monday afternoon student recitals at least once per semester until applied study requirements are completed.

## ***MUSIC MINOR***

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
MUT 120	Music Theory I	5
MUH 101	Introduction to Listening	2
	<i>Applied study in instrument or voice</i>	2
	<i>One-unit Ensembles</i>	2
<b>Choose one course from:</b>		
MUH 333	Music History III	2
MUH 334	World Music	2
	<i>Additional upper-division units in Music</i>	8
	<b>TOTAL</b>	<b>21</b>

### **SPECIAL REQUIREMENTS**

1. A solo Junior Recital of at least 30 minutes given during the junior or senior year is required of Music majors selecting majors in Performance and Music Education. The student must achieve the 300-level of proficiency before scheduling the Junior Recital. The student must also enroll for the appropriate level of applied study during the semester of the recital performance.
2. Students accepted into Performance programs must achieve the 300-level of proficiency in their performing area and give a Junior Recital during their junior year. They must also achieve the 400-level of proficiency and give a solo Senior Recital, one hour in length, during their senior year. The performance degree programs are reserved for students of marked talent and proficiency.
3. Composition majors must give a 45-minute composition recital of original works during their senior year.
4. For graduation, Bachelor of Music and Music Education majors must earn credit in a one-unit ensemble for a minimum of eight semesters. Bachelor of Arts and Music and Ministry majors must earn credit in a one-unit ensemble for a minimum of four semesters. Wind, string, and percussion students meet this requirement by performing in the Concert Band or Chamber Orchestra. Vocalists meet this requirement by performing in Chorale, Concert Choir or Point Loma Singers. Keyboard students may choose either choral or instrumental ensembles.
5. Music majors are required to perform in Monday afternoon student recitals at least once per semester until applied study requirements are completed.

# MUSIC COURSES

## Applied Music Courses

### Lower-Division

#### MUA 101 (0) RECITAL ATTENDANCE

All Music majors are required to attend 12 department-sponsored or approved concerts/recitals each semester. Credit/No-Credit.

#### MUA 201 (0) PIANO PROFICIENCY EXAM

All Music majors are required to pass a proficiency examination in piano skills, preferably by the end of the sophomore year. It must be completed prior to graduation. A complete description of the exam contents is listed in the current edition of the *Music Student Handbook*, available upon request in the department office. Credit/No-Credit.

#### MUA 131, 132 (1,1) CLASS VOICE I, II

Class instruction in singing for the student without prior study; development of specific vocal and musical abilities; selected and graded songs suited to vocal goals.

#### MUA 141, 142 (1,1) CLASS PIANO I, II

Class instruction for the student without prior study; emphasizes functional keyboard skills such as sight reading, harmonization, improvisation, and solo and ensemble playing. Appropriate for Music majors who must prepare for the proficiency exam.

#### MUA 143 (1) PIANO PROFICIENCY SKILLS

Class instruction in piano. Emphasizes harmonization, hymn and open score reading, solo and congregational style hymn playing. Appropriate for Music majors preparing for piano proficiency examination. May be repeated up to a total of 2 units.

*Prerequisite: Applied Music 142 or consent of instructor.*

#### MUA 151, 152 (1,1) CLASS GUITAR I, II

Class instruction for the student without prior study; integrates rudiments of music theory with basic performance skills; ensemble and solo playing. May be repeated up to a total of 2 units.

#### PRIVATE INSTRUCTION

MUA 155 through MUA 175 (1-2)

MUA 255 through MUA 275 (1-2)

MUA 355 through MUA 375 (1-2)

MUA 455 through MUA 475 (1-2)

Private, applied instruction in a performing area is a vital part of the development of Music majors, as well as an appropriate elective for many non-majors. Each level of study has defined materials and technical masteries to be achieved. (See *Music Student Handbook* in the Department of Music office).

Students are assigned to a level according to their proficiency and mastery of materials listed for a given level. Course numbers for each of the performing areas are given by year in the following table.

### PRIVATE INSTRUCTION

#### 1ST YEAR 2ND YEAR 3RD YEAR 4TH YEAR

##### Private Voice

MUA155 MUA225 MUA355 MUA455

##### Private Piano

MUA156 MUA256 MUA356 MUA456

##### Private Organ

MUA157 MUA257 MUA357 MUA457

##### Private Harpsichord

MUA158 MUA258 MUA358 MUA458

##### Private Violin

MUA159 MUA259 MUA359 MUA459

##### Private Viola

MUA160 MUA260 MUA360 MUA460

##### Private Violoncello

MUA161 MUA261 MUA361 MUA461

**Private String Bass**

MUA162 MUA262 MUA362 MUA462

**Private Guitar**

MUA163 MUA263 MUA363 MUA463

**Private Harp**

MUA164 MUA264 MUA364 MUA464

**Private Flute**

MUA165 MUA265 MUA365 MUA465

**Private Oboe**

MUA166 MUA266 MUA366 MUA466

**Private Clarinet**

MUA167 MUA267 MUA367 MUA467

**Private Saxophone**

MUA168 MUA268 MUA368 MUA468

**Private Bassoon**

MUA169 MUA269 MUA369 MUA469

**Private Trumpet**

MUA170 MUA270 MUA370 MUA470

**Private Trombone**

MUA171 MUA271 MUA371 MUA471

**Private French Horn**

MUA172 MUA272 MUA372 MUA472

**Private Euphonium**

MUA173 MUA273 MUA373 MUA473

**Private Tuba**

MUA174 MUA274 MUA374 MUA474

**Private Percussion**

MUA175 MUA275 MUA375 MUS475

**MUA 212 (2) BEGINNING CONDUCTING**

Introduction to basic conducting techniques, such as score reading, metric patterns, cues and cutoffs.

***Upper-Division***

**MUA 312 (2) CHORAL CONDUCTING AND LITERATURE**

Application of conducting principles and techniques to choral music. Includes an overview of choral literature.

*Prerequisite: Music Theory 121.*

*Corequisite: Music Education 303 (Music Education majors).*

**MUA 313 (2) INSTRUMENTAL CONDUCTING**

Application of conducting principles and techniques to instrumental music, especially music for orchestra and concert band.

*Prerequisite: Music Theory 121.*

**MUA 250, 251 (1,1) DICTION FOR SINGERS I & II**

An intensive study of English, Italian, German, and French diction as it applies to singers, utilizing the International Phonetic Alphabet to transfer foreign texts to vocalized symbols.

**MUA 331 (1) ACTING FOR SINGERS**

Open to advanced voice students by audition. Scenes from operas and/or musical theatre are performed with staging and costumes. May be repeated up to a total of 2 units.

**MUA 332 (1-2) MUSICAL THEATRE PRODUCTION**

Performance experience in musical theatre, open to all students by audition.

**MUA 376 (0) JUNIOR RECITAL**

A public solo recital, approximately thirty minutes in length, given in the student's major performing area.

*Prerequisite: 300 level in performing area.*

**MUA 476 (0) SENIOR RECITAL**

A public solo recital, approximately one hour in length, given in the student's major performing area.

*Prerequisite: Applied Music 376.*

## **Church Music Courses**

### ***Lower-Division***

**CMU 201 (2) INSTRUMENTS IN WORSHIP**

An introduction to the use of musical instruments in support of worship music. Topics covered include basic rehearsal techniques, transposition of parts, and basic instrumental arranging skills.

**CMU 202 (2) MULTI-MEDIA FOR WORSHIP MINISTRY**

A practical introduction to media technology resources for music ministry. The course includes training in the use of audio and visual media such as lighting, sound reinforcement, and presentation software.

### ***Upper-Division***

**CMU 314 (3) MUSIC AND WORSHIP**

A study of the nature of worship and the function of music as an aid to worship. A survey of the history and practice of church music; consideration of the role of music in worship and Christian education. A study of problems peculiar to the music program of the small and medium-size church.

**CMU 315 (2) CHURCH MUSIC ADMINISTRATION AND MATERIALS**

Development of the church-wide program of music ministries; principles and administration of the music ministry in relation to other church departments. Study of materials and equipment for the program; organization of choirs and other music ministries.

*Prerequisite: Church Music 314.*

**CMU 433 (3) HYMNOLOGY**

A survey of Christian hymnody, its historical patterns, covering the broad scope of hymnic literature, its environment, and the significant individuals contributing. Practical and critical classroom study and participation.

**CMU 451 (2) INTERNSHIP IN CHURCH MUSIC**

Supervised internship in a church situation. Offered on demand.

*Prerequisite: Consent of instructor.*

**CMU 490 (1-2) SPECIAL STUDIES IN CHURCH MUSIC**

Intensive study of a selected problem, under the direction of a department faculty advisor.

*Prerequisite: Consent of department chair.*

**CMU 495 (1-2) CHURCH MUSIC SEMINAR**

Provides for special courses offered as an adjunct to the curricula. Seminar title, content, and units to be announced in class schedule.

## **Music Composition Courses**

### ***Lower-Division***

**MUC 252 (1-2) PRIVATE COMPOSITION**

Introductory lessons in music composition. Develops basic concepts of melodic writing and the manipulation of diverse harmonic, textural and rhythmic materials. May be repeated up to a total of 4 units.

### ***Upper-Division***

**MUC 352 (1-2) PRIVATE COMPOSITION**

Continued study of compositional processes through the exploration of nontraditional tonal materials in varied media. May be repeated up to a total of 4 units.

*Prerequisite: Music Composition 252.*

**MUC 452 (1-2) PRIVATE COMPOSITION**

Development of compositional skills through handling extended forms and larger performance forces, such as choir, band or orchestra. May be repeated up to a total of 4 units.

*Prerequisite: Music Composition 352.*

**MUC 477 (0) SENIOR RECITAL IN COMPOSITION**

A public recital of original compositions, forty-five minutes in length.  
*Prerequisite: Music Composition 452.*

**MUC 495 (1-2) SEMINAR IN COMPOSITION**

Provides for special courses offered as an adjunct to the curricula.

**Music Education Courses*****Lower-Division*****MUE 201 (1) WOODWIND INSTRUMENTS**

A laboratory class in playing the woodwind instruments with emphasis on teaching and basic repair techniques.

**MUE 202 (1) BRASS INSTRUMENTS**

A laboratory class in playing brass instruments with emphasis on teaching and basic repair techniques.

**MUE 203 (1) PERCUSSION INSTRUMENTS**

A laboratory class in playing the percussion instruments with emphasis on teaching and basic repair techniques.

**MUE 204 (1) STRING INSTRUMENTS**

A laboratory class in playing the string instruments (violin, viola, cello, bass) with emphasis on teaching and basic repair techniques.

***Upper-Division*****MUE 303 (2) CHORAL AND VOCAL TECHNIQUES**

Includes a study of choral rehearsal procedures and programming, the development of tone and classification of voice types. Contents include developing vocal technique and vocal health.  
*Corequisite: Music Education majors must register for Applied Music 312.*

**MUE 310 (2) VOCAL PEDAGOGY**

Develops conceptual understanding and methodology for the teaching of singing. The course includes an anatomical study of the vocal mechanism with emphasis upon the development of breath support and vocal resonance.

**MUE 311 (2) PIANO PEDAGOGY I**

A survey of the methods and materials used in teaching the piano, with special emphasis upon teaching elementary students and the adult beginner. Includes observation of private and class piano teaching.

**MUE 312 (2) INSTRUMENTAL PEDAGOGY**

Practical study of the teaching of applied instrumental performance skills. Includes relevant studies of the physiological mechanics of playing technique. Provides survey of teaching literature, learning theory and methodology

**MUE 341 (3) MUSIC SKILLS FOR THE ELEMENTARY CLASSROOM TEACHER**

Methods and materials for teaching music for the elementary classroom teacher. Elementary music theory: notation, meter, rhythm, scales, intervals, triads. Introduction to playing skills on classroom instruments such as piano, autoharp, recorder. Introduction to teaching strategies of Orff, Kodaly, Dalcroze, and Suzuki. Strategies for incorporating music into the everyday classroom are taught. Designed primarily for the elementary school teacher. Not for Music majors.

**MUE 411 (2) PIANO PEDAGOGY II**

A continued study of pedagogical methods for teaching intermediate level piano students. Includes supervised practice teaching experience and survey of teaching literature.

**MUE 441 (3) ELEMENTARY SCHOOL MUSIC METHODS**

Methods of teaching public school music in the elementary grades.  
*Prerequisite: Music Theory 121.*

**MUE 451 (2) INTERNSHIP IN MUSIC**

Supervised internship in the student's major concentration. Offered on demand. May be repeated up to a total of 4 units.  
*Prerequisite: Consent of instructor.*

**MUE 454 (3) SECONDARY SCHOOL MUSIC METHODS**

Methods of teaching public school music in the junior and senior high school and the California Framework in Visual and Performing Arts are explored.  
*Prerequisite: Applied Music 312.*

**MUE 490 (1-2) SPECIAL STUDIES IN MUSIC EDUCATION**

Intensive study of a selected problem, under the direction of a department faculty advisor.  
*Prerequisite: Consent of department chair.*

**MUE 495 (1-2) SEMINAR IN MUSIC EDUCATION**

Provides for special courses offered as an adjunct to the curricula. Seminar title, content, and units to be announced in class schedule.

## **Music Ensemble Courses**

### ***Upper-Division***

**MUP 332 (1) CHAMBER ORCHESTRA**

Open to community and all students by audition; campus appearances; may accompany large choral works. Participation required of all Music majors with string instrument concentration. May be repeated up to a total of 2 units.

**MUP 333 (1) CONCERT BAND**

Open to all students by audition; participation required of all music majors with a concentration in a wind or percussion instrument; varied repertoire represents the best literature; local and off-campus concerts. May be repeated up to a total of 2 units.

**MUP 334 (1/2) CHORAL UNION**

Open without audition to the university community; a mixed choir which performs choral works of all types; required, without registration or credit, of all members of the Concert Choir and the Point Loma Singers. May be repeated up to a total of 4 units.

**MUP 336 (1/2 – 1) CHORALE**

Membership by audition. A mixed chorus open to any student. Music majors must register for one unit. One-unit registration includes participation in Choral Union. Local performances scheduled. May be repeated up to a total of 2 units.

**MUP 337 (1) CONCERT CHOIR**

With membership by audition, Concert Choir is a mixed chorus open to any student. Includes participation in Choral Union. An annual tour and local public performances are scheduled. May be repeated up to a total of 2 units.

**MUP 338 (1) POINT LOMA SINGERS**

With membership by audition, Point Loma Singers is a chamber choir of sixteen mixed voices open to all students. Includes participation in Choral Union. Local performances scheduled. May be repeated up to a total of 2 units.

**MUP 339 (1/2) SMALL ENSEMBLE**

With membership by audition, this group studies select literature that is determined by the size and type of ensemble. May be repeated up to a total of 4 units.

**MUP 341 (1/2) JAZZ BAND**

With membership by audition, the Jazz Band studies standard jazz literature selected and performed in concerts. May be repeated up to a total of 2 units.

**MUP 342 (1/2) HANDBELL CHOIR**

Handbell Choir membership (by audition) Includes instruction on ringing techniques. Local performances. May be repeated up to a total of 2 units.

**MUP 343 (1/2) STRING QUARTET**

With membership by audition the String Quartet performs standard string quartet literature as well as selected chamber music. Local performances. May be repeated up to a total of 2 units.

**MUP 344 (1/2) VOCAL JAZZ**

A small vocal ensemble (membership by audition) focusing on jazz literature. May be repeated up to a total of 2 units.

## **Music History Courses**

## ***Lower-Division***

### **MUH 100 (2) INTRODUCTION TO MUSIC–GE**

Treats the development and significance of music in the Western world with emphasis on outstanding works by the world's great composers of music.

### **MUH 101 (2) INTRODUCTION TO LISTENING–GE**

This introductory course is required of all freshman Music majors and presents a general survey of music history, genres, styles, and media. The course focuses on analytical listening and developing aesthetic awareness. It includes an introduction to library research tools in music, and examination of the interrelationship of music studies and general education, and the integration of faith and learning with the study of music. Offered in the fall.

*Prerequisite: Freshman standing or consent of instructor.*

### **MUH 309 (2) VOCAL LITERATURE I**

A survey of both sacred and secular solo vocal performance repertoire, with an emphasis upon art song repertoire in English and Italian.

*Prerequisite: Music History 101 or consent of instructor.*

*Corequisite: Applied Music 250.*

## ***Upper-Division***

### **MUH 310 (2) VOCAL LITERATURE II**

A continued survey of solo vocal performance repertoire, with an emphasis upon art song repertoire in French and German.

*Prerequisite: Music History 101 or consent of instructor.*

*Corequisite: Applied Music 251.*

### **MUH 311 (3) PIANO LITERATURE**

A survey of solo repertoire for the piano and its historical antecedents, principally the harpsichord and fortepiano. The course focuses upon keyboard masterworks from the Baroque period through the present.

*Prerequisite: Music History 101 or consent of instructor.*

### **MUH 312 (2) INSTRUMENTAL LITERATURE**

A survey of solo performance repertoire for the instrumentalist. The course includes representative works from all applicable periods of music, tracing changes in the instrument and in accepted playing technique as possible components of historical changes in styles and idioms of musical expression.

*Prerequisite: Music History 101 or consent of instructor.*

### **MUH 331 (2) MUSIC HISTORY AND LITERATURE I**

Study of Western music development, focusing on principal trends of the Medieval and Renaissance periods, approximately 500–1600 A.D.; regular listening to recorded examples, with some score analysis and individual research.

*Prerequisites: Music Theory 121 and Music History 101 or consent of instructor.*

### **MUH 332 (2) MUSIC HISTORY AND LITERATURE II**

A continued study of Western music development, focusing on principal trends of the Baroque and Classical periods, approximately 1600–1820 A.D.; regular listening to recorded examples, with some score analysis and individual research.

*Prerequisites: Music History 101 and Music Theory 121 or consent of instructor.*

### **MUH 333 (2) MUSIC HISTORY AND LITERATURE III**

A continued study of Western music development, focusing on principal trends of the Romantic, 20th century periods, and subsequent contemporary trends, approximately 1820 to the present; regular listening to recorded examples, with some score analysis and individual research.

*Prerequisites: Music History 101 and Music Theory 120 or consent of instructor.*

### **MUH 334 (2) WORLD MUSIC**

An introduction to listening and study of indigenous music from multiple geographic areas and cultures, including Africa, Asia, and North and South America. The course also includes a presentation of jazz as a distinctly American cultural synthesis.

*Prerequisites: Music History 101 and Music Theory 120 or consent of instructor.*

### **MUH 431 (2) FAITH, LIFE, AND MUSIC**

A capstone course required of all Music majors. The course examines source readings concerning the integration of faith and various aspects of music. Students are challenged to evaluate the influence of the Christian faith upon their own individual music discipline. Class content also includes an overview of diverse musical professions and the ways in which faith and music intersect in the pursuit of calling. The course

culminates with the writing of an essay outlining the ways in which students believe their faith shapes their lives as both disciples and musicians.

*Prerequisite: Senior standing or consent of instructor.*

#### **MUH 495 (1-2) MUSIC HISTORY SEMINAR**

Provides for special courses offered as an adjunct to the curricula. Seminar title, content, and units to be announced in the class schedule.

### **Music Theory Courses**

#### **MUT 100 (2) BASIC MUSIC THEORY**

An introduction to the fundamentals of music: key signatures, scales, intervals, notation, rhythm, meter, chords, harmony, and melodic form. Emphasis upon written skills with requirements in ear training/sight singing, improvisation and beginning composition.

*Corequisite: Applied Music 141 (may be waived by proficiency examination).*

#### **MUT 120 (5) MUSIC THEORY I**

Study of the notation, sound, and syntax of fundamental musical materials such as scales, intervals, and diatonic harmony. Includes laboratory experience in ear training and sight singing.

*Prerequisite: Music Theory 100 or consent of instructor.*

### **Lower-Division**

#### **MUT 121 (4) MUSIC THEORY II**

Continued study of harmonic procedures in homophonic and polyphonic settings with emphasis upon seventh chords, secondary dominants, and modulation. Includes laboratory in keyboard harmony, ear training, and sight singing.

*Prerequisite: Music Theory 120 or consent of instructor.*

#### **MUT 220, 221 (4,4) MUSIC THEORY III, IV**

Study of musical structures from late Renaissance polyphony to, and including, the present. Study of seventh, ninth, eleventh, Neapolitan sixth, Augmented sixth, and other altered chords. Continuation of the development of analytical tools and aural skills; ear training, sight singing, and keyboard harmony.

*Prerequisite: Music Theory 121 or consent of instructor.*

### **Upper-Division**

#### **MUT 301 (3) COUNTERPOINT**

Analysis and composition of two, three, and four voice counterpoint as practiced in the 18th century, with special emphasis on the style of J. S. Bach.

*Prerequisite: Music Theory 221.*

#### **MUT 302 (3) ANALYSIS OF FORM AND TEXTURE IN MUSIC**

Emphasis upon the stylistic analysis of musical form and texture; study of the evolution of the standard musical forms.

*Prerequisite: Music Theory 221.*

#### **MUT 432 (3) ORCHESTRATION**

Ranges, tonal possibilities, technical limitations of standard band and orchestral instruments; analysis of standard compositions; scoring short pieces for various instrumental groups.

*Prerequisite: Music Theory 220.*

#### **MUT 443 (3) CHORAL ARRANGING**

Writing and arranging for voices in various combinations; study of the range, color and technical possibilities of various voices; analysis of standard works.

*Prerequisite: Music Theory 220.*

#### **MUT 490 (1-2) SPECIAL STUDIES IN MUSIC THEORY**

Intensive study of a selected problem, under the direction of a department faculty advisor.

*Prerequisite: Consent of department chair.*

# *SCHOOL OF NURSING*

## **Purposes**

- To prepare competent, responsible practitioners who are committed to service and leadership as professional nurses;
- To equip graduates with the skills to function at an entry level of professional practice in a wide variety of health care settings;
- To expose students to the dynamic changes occurring in health care today to better prepare them for the changing careers of the future.

## **Tradition of Excellence**

The nursing program at Point Loma Nazarene University is highly respected in the San Diego community and around the world. Classes provide for individualized attention by caring faculty who are dedicated to the academic and clinical success of each student. The faculty who are professionally qualified and in many cases with doctoral preparation, focus on effective teaching, and take seriously their call to be Christian role models and mentors. The School of Nursing is approved by the California Board of Registered Nursing, and accredited by the Commission on Collegiate Nursing Education. Graduates are thus eligible to take the NCLEX-RN licensure exam and apply for public health nursing certification upon graduation. This accredited program provides preparation for graduate study.

## **Career Opportunities**

The program is designed around five core outcomes: critical thinking, therapeutic nursing interventions, communication, spirituality and service. Nursing majors compile a portfolio as they progress in the Nursing major, showing their progress toward meeting competencies in each of these areas. Their progress is monitored throughout the program, and their finished portfolio may be used as a marketing tool as they interview for a position in Nursing. The compassionate attitudes and excellent preparation of PLNU nurses make them highly sought after by San Diego County health care agencies.

## **Admission Requirements**

Students are admitted as freshman to pre-nursing status, and must complete the required prerequisite courses to be considered for the nursing major. Transfer students who have completed the required prerequisites may also apply for the Nursing program. Students are selected for admission to the sophomore class annually for the fall semester. Selection is made on the basis of cumulative GPA, GPA at PLNU, strength of application, letter of recommendation and completion of pre-requisite classes. A minimum overall 2.700 college/university GPA is required on a four-point grade scale. LVN's and RN's licensed in the State of California are accepted into the program with advanced standing based on transfer of credit on a space available basis.

Students who have a previous bachelor's degree in a major other than Nursing may be considered for admission into sophomore Nursing class, however, a full three years will be required to complete Nursing coursework. The course load may be lighter depending on the number of general education classes already completed.

## **Eligibility**

Students are eligible to be considered for the Point Loma Nazarene University Nursing Program when the following conditions are met:

- Acceptance to Point Loma as a pre-nursing student.
- Submission of an application for the nursing program. (Application forms are available in December at the School of Nursing office, and due by February 1 preceding the fall semester entry date.)
- Overall university grade-point average (GPA) of 2.700 or better on a four-point scale. A cumulative GPA of 2.700 alone does not guarantee acceptance into the program.
- Completion of the following prerequisites (or their equivalent) with a minimum grade of "C" (2.000) in each: Inorganic/General and Organic/ Biological Chemistry (minimum 5 semester units); Human Anatomy and Physiology (8 semester units); and General Psychology (3 or 4 semester units). Nutrition (3 semester units) and Human Development (3 semester units) are strongly recommended. A repeat of any prerequisite course may disqualify a student from admission to the Nursing program.
- Successful placement in mathematics according to PLNU placement test results or Mathematics 099 with a grade of "C" (2.000) or better.
- Submission of one letter of recommendation using the School of Nursing form. This is in addition to the two letters of recommendation required by the Admissions Office at the time of application to Point Loma.
- An interview may be requested.

- LVN to BSN: Academic placement is determined on an individual basis through evaluation of past preparation and experiences, Excelsior College Exams in nursing theory, and a challenge procedure from clinical courses is required. Further information may be obtained from the School of nursing upon request.
- Transfers from non-PLNU BSN program: Students with previous preparation in Nursing are admitted to the program as space is available providing requirements are met for admission to the University and to the School of Nursing.

## **Selection**

Eligible students are selected for admission to the nursing program by the School of Nursing Selection Committee. Selection is made on the basis of cumulative GPA, GPA in residence at Point Loma, quality of entire application, letter of recommendation, and units at Point Loma.

- Priority consideration is given to applicants who have completed:
  - a. All prerequisite courses by the end of spring semester preceding the fall semester entry date.
  - b. Two semesters at Point Loma (minimum of 15 prerequisite units).
  - c. The application process prior to February 1 preceding the fall semester entry date.
- Secondary consideration is given to transfer applicants who have completed:
  - a. All prerequisite courses by the end of spring semester preceding the fall entry date.
  - b. The application process prior to February 1 preceding the fall semester entry date.
- Per agreement with the San Diego Nursing Service Consortium and affiliated hospitals, a background check and drug screening are required prior to the first clinical experience. If a "red flag" occurs from either the background check or drug screening, immediate dismissal from the B.S.N. program will occur.

## **Health Status**

Students must provide evidence that they are physically and emotionally able to perform the duties required. A physical examination by a physician or nurse practitioner with information completed on a form provided by the School of Nursing is necessary. The examination includes current immunizations and tests as required by the School of Nursing. Forms are available after student has been accepted into the Nursing program.

Annual physical examination and tuberculin skin test must be performed before beginning junior and senior level Nursing courses.

## **Other Provisions**

- Clinical facilities have a wide geographical distribution. Students are responsible for providing their own transportation to clinical facilities. Student car pools may be possible until the senior year, when access to an individual car is mandatory. This also requires a valid driver's license and proof of auto insurance.
- A fee for liability insurance and testing services is assessed yearly to sophomore, junior, and senior Nursing students.
- Students are required to purchase uniforms, student arm patches, name tags, watch with second hand, stethoscope, and other equipment as necessary.
- Students should be aware that the B.S.N. program is a full three years in length upon completion of prerequisite courses. Those with transfer credits may still need three years of Nursing courses to complete the degree.
- A current American Heart Association BLS for Healthcare Provider certification is mandatory for all Nursing majors in order to participate in clinical coursework.

## **Major**

Nursing

## **Courses**

## **Faculty**

Carrie Black, M.S.  
*University of Phoenix*

Leanne Burke, M.S.N., R.N., C.N.M.  
*San Diego State University*

Rita R. Callahan, Ph.D., R.N.  
*University of San Diego*

Catherine S. Kay, Ph.D., R.N., N.P.  
*TUI University*

Son Chae Kim, Ph.D., R.N.  
*University of San Diego*

Jeanne M. Maiden, Ph.D., R.N., C.N.S.  
*University of San Diego*

Deana Raley Noble, M.P.H., M.S.N., R.N.  
*California State University, Long Beach*

Domenica Oliveri, Ed.D., R.N.  
*University of Phoenix*

Michelle Federe Riingen, D.N.P., R.N.  
*Case Western Reserve University*

Larry B. Rankin, Ph.D., R.N., C.N.E.  
*University of Michigan*

Judith H. Scott, M.S.N.  
*University of Phoenix*

Christine A. Sloan, M.S.N., R.N.  
*Point Loma Nazarene University*

Barbara J. Taylor, Ph.D., R.N., Dean  
*University of San Diego*

# NURSING MAJOR

## LOWER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
CHE 103 Introduction to General, Organic, and Biological Chemistry *	5
BIO 130 Human Anatomy and Physiology I *	4
BIO 140 Human Anatomy and Physiology II *	4
BIO 220 Microbiology of Infection Diseases †	5
FCS 150 Human Development ††	3
FCS 225 Fundamentals of Nutrition ††	3
MTH 203 Introduction to Statistics	3
PSY 101 Psychology of Personal Development	4

**Select 3-4 units from the following:**

ECO 101 Principles of Economics I OR	3
ECO 102 Principles of Economics II OR	(3)
SOC 101 Introduction to Sociology OR	(3)
SOC 201 Cultural Anthropology OR	(3)
POI 101 Introduction to Political Science OR	(3)
POI 190 The Politics of Race, Class and Gender	(4)
NSG 250 Nursing of Individuals: Adult Health I	4
NSG 251 Nursing of Individuals: Clinical Practicum I	3
NSG 260 Nursing of Individuals: Adult Health II	4
NSG 261 Nursing of Individuals: Clinical Practicum II	3
NSG 270 Pharmacology in Nursing	2

**TOTAL 50**

*\*Prerequisite to Nursing program, i.e., admission to Nursing 250 and Nursing 251.*

*†May be allowed to complete concurrent with first Nursing course.*

*††Must be completed by the end of the sophomore year.*

*A grade of at least "C" (2.000) must be earned in all courses*

*(prerequisite and corequisite courses included) required for the major in Nursing in order to progress to the next course or level.*

## UPPER-DIVISION REQUIREMENTS

COURSE TITLE	UNITS
PSY 321 Abnormal Psychology	3

SOC 360	Ethnic and Status Groups	3
NSG 310	Nursing of Families: Child/Adolescent Focus	2
NSG 311	Nursing of Families: Child/Adolescent Clinical Practicum	3
NSG 330	Nursing of Families: The Childbearing Process	2
NSG 331	Nursing of Families: The Childbearing Process Clinical Practicum	3
NSG 340	Nursing of Families: Adult Health III	2
NSG 341	Nursing of Families: Adult Health III Clinical Practicum	3
NSG 399	Nursing Research	2
NSG 450	Nursing of Communities: Mental Health Focus	3
NSG 451	Nursing of Communities: Mental Health Focus Clinical Practicum	3
NSG 460	Nursing of Communities: Community Health Focus	3
NSG 461	Nursing of Communities: Community Health Focus Clinical Practicum	3
NSG 470	Nursing of Communities: Leadership and Management Focus	2
NSG 471	Nursing of Communities: Leadership and Management Clinical Practicum	3
NSG 480	Trends/Issues in Prof. Nursing	2
	<b>TOTAL</b>	<b>43</b>

# ***NURSING COURSES***

## ***Lower-Division***

### **NSG 246 (2) TRANSITION TO ADAPTATION NURSING**

Transition course for advanced placement of the Licensed Vocational Nurse (LVN) into the professional nursing role. Introduction and application of the Point Loma Nazarene University Adaptation Model and scholarly writing in nursing is emphasized. Professional nursing perspectives including holistic care, historical, social, and political aspects will be explored.

*Prerequisite: California LVN licensure and completion of national advanced placement exam(s) and acceptance into the Nursing major.*

*Corequisite: Nursing 300 and 301.*

### **NSG 250 (4) NURSING OF INDIVIDUALS: ADULT HEALTH I**

Nursing process is studied within the framework of adaptation. Major concepts of nursing theory are considered and illustrated in the areas of basic needs, acute, and chronic illness, rehabilitation, and the aging process. Examination of clients emphasizing skills in history taking, physical, psychological, cultural, and spiritual assessments.

*Prerequisite: Admission to the Nursing program.*

*Concurrent: Nursing 251.*

*Corequisite: Biology 220.*

### **NSG 251 (3) NURSING OF INDIVIDUALS: CLINICAL PRACTICUM I**

Includes application of nursing theory to practice in major areas of nursing in a variety of hospitals and health agencies within the San Diego community. Learning laboratory experiences are provided concomitantly to increase competency in nursing practice. Graded Credit/No Credit.

*Concurrent: Nursing 250.*

### **NSG 260 (4) NURSING OF INDIVIDUALS: ADULT HEALTH II**

Nursing process is applied to adults with a variety of health care problems within the framework of adaptation. Emphasis is placed on the teaching/ learning process and a comprehensive application of the adaptation framework in client care.

*Prerequisites: Nursing 250 and 251 and Biology 220.*

*Concurrent: Nursing 261 and 270.*

*Corequisite: Family and Consumer Sciences 225 and 150 (or Nursing 442).*

### **NSG 261 (3) NURSING OF INDIVIDUALS: CLINICAL PRACTICUM II**

Includes application of nursing theory to practice in major areas of nursing in a variety of hospitals and health agencies within the San Diego community. Learning laboratory experiences are provided concomitantly to increase competency in nursing practice. Graded Credit/No Credit.

*Concurrent: Nursing 260.*

### **NSG 270 (2) PHARMACOLOGY IN NURSING**

Comprehensive examination of basic theoretical foundations for drug therapy by exploring the pharmacodynamics of commonly used drugs along with the nursing implications and interventions necessary for safe therapy.

*Prerequisite: Sophomore standing in Nursing.*

*Concurrent: Nursing 260 or consent of instructor.*

### **NSG 300 (1) HEALTH ASSESSMENT**

Comprehensive approach to examining the client and the family, focusing on developing knowledge and skills in history taking, assessments and ability to communicate this information appropriately. Assessments include physical, psychological, cultural, and spiritual.

*Concurrent: Nursing 301.*

## ***Upper-Division***

### **NSG 301 (1) HEALTH ASSESSMENT CLINICAL**

Application of physical, psychological, cultural, and spiritual assessments of the individual and the family. A clinical course which includes laboratory activities and independent practice. Graded Credit/No Credit.

*Prerequisite: Advanced placement and consent of instructor.*

*Concurrent: Nursing 300.*

### **NSG 310 (2) NURSING OF FAMILIES: CHILD/ADOLESCENT FOCUS**

Focuses on nursing theory as it relates to adaptation of families with children and adolescents who have alterations in health status.

*Prerequisites: Family and Consumer Sciences 150 and Junior standing in Nursing program.*

*Concurrent: Nursing 311.*

**NSG 311 (3) NURSING OF FAMILIES: CHILD/ADOLESCENT CLINICAL PRACTICUM**

Consists of opportunities for application of nursing theory and child development as it relates to adaptation of child and adolescent clients and their families. Graded Credit/No Credit.

*Concurrent: Nursing 310.*

**NSG 330 (2) NURSING OF FAMILIES: THE CHILDBEARING PROCESS**

Focuses on nursing theory as it relates to adaptation of families in the childbearing years.

*Prerequisites: Junior standing in Nursing Program.*

*Concurrent: Nursing 331.*

**NSG 331 (3) NURSING OF FAMILIES: THE CHILDBEARING PROCESS CLINICAL PRACTICUM**

Consists of opportunities for application of nursing theory as it relates to the adaptation of families throughout pregnancy, labor, delivery, and the postpartum period, including the care of the new born. Graded Credit/No Credit.

*Concurrent: Nursing 330.*

**NSG 340 (2) NURSING OF FAMILIES: ADULT HEALTH III**

Focuses on nursing theory in the care of clients who have major alterations in health and the adaption of themselves and their families to critical illness. Advanced concepts of adult health and critical care nursing are the basis for the course.

*Prerequisites: Junior standing in Nursing program.*

*Concurrent: Nursing 341.*

**NSG 341 (3) NURSING OF FAMILIES: ADULT HEALTH III CLINICAL PRACTICUM**

Nursing process is applied to adults experiencing multi-system failure. Emphasis is placed on assessment of individual and family needs in critical illness. Graded Credit/No Credit.

*Concurrent: Nursing 340.*

**NSG 345 (3) TRANSITION TO PROFESSIONAL NURSING**

Transitional course for advanced placement of the Associate Degree Nurse (ADN) into the professional nursing role. Nursing concepts such as holistic care and adaptation will be emphasized along with analysis of contemporary issues and trends. Professional nursing perspectives of health care ethics, theories, historical, social, and political aspects will be explored. Examination of clients emphasizing skills in health history, physical, psychosocial, cultural, environmental, and spiritual assessment.

*Prerequisite: California RN licensure and acceptance into the Nursing major.*

**NSG 395 (1-3) CLINICAL NURSING INTERNSHIP**

Opportunity to gain clinical experience at a designated student nurse level in selected health care agencies, working as an employee under direct supervision of designated preceptor. Twelve to sixteen hours of experience per week. Seminars with faculty member are required. Any combination of the above levels not to exceed a total of nine units. New internships are considered for summer (between junior and senior year) and during Leadership semester ONLY. A student in good standing (GPA  $\geq$  2.700) may apply for summer session only. Continuing internships (when new employee orientation is not required) may be approved up to 2 units (80 hours) during the CH/CMII semester. No accommodations are made for excused absence to attend hospital orientation. Orientation must be attended outside of theory or clinical time. Graded Credit/No Credit.

*Prerequisites: Satisfactory standing in the Nursing program. A cumulative GPA of 3.000 is required for enrollment. Consent of junior team Nursing faculty.*

**NSG 399 (2) NURSING RESEARCH**

A study of activities and processes involved in investigating a selected nursing problem. Includes individual or small group work in the use of beginning level research methods. Quantitative and qualitative methods are examined.

*Prerequisites: Writing 110 (or Writing 115 /116), Mathematics 203 and Junior standing in Nursing program.*

**NSG 441 (1-3) TOPICS IN NURSING**

Offers concentrations of study in selected areas of nursing practice. Topics include a theory component and may include a clinical component.

*Prerequisites: Consent of instructor.*

**NSG 442 (2) HEALTH PROMOTION IN ADULT DEVELOPMENT**

This course explores development of the individual from early adulthood to death. Biophysical and psychosocial issues are explored as they apply to early adulthood, midsentence and old age. Specific developmental tasks are identified in each age group. Gender role development is also explored. Ethical, social, spiritual, and moral issues are introduced as they apply to the aging process. All of these topics are discussed within the framework of professional nursing practice, and health promotion.

**NSG 446 (3) HEALTH OF WOMEN IN A MULTICULTURAL WORLD–WS**

Explores the relationship between society, culture, environment, the health of women, and the health care services of women. The approach is global or international in perspective. Participants are expected to research their own cultural heritage and describe what impact this heritage has on personal health expectations and use of health care in American Society.

**NSG 447 (3) FAMILY VIOLENCE**

A course examining the incidence of a broad range of abuse and neglect in society. The course covers both physical and sexual abuse as well as neglect of children from birth to adolescence, date rape, spousal abuse, and abuse of elderly. This course examines causes, assessment criteria, current treatment approaches, requirement for reporting, and long-term effects on children, families, and society.

**NSG 450 (3) NURSING OF COMMUNITIES: MENTAL HEALTH FOCUS**

Focuses on the holistic understanding of the sociocultural, psychological, and situational aspects of life that impact the mental health of families and communities. Health and illness are seen from a complex, multi-dimensional, meaning-centered, and critical perspective with an emphasis on the promotion of mental health and wellness. Includes perspectives on group dynamics and socio-political systems as they impact mental health.

*Prerequisites: Senior standing in Nursing program and Psychology 321.*

*Concurrent: Nursing 451.*

**NSG 451 (3) NURSING OF COMMUNITIES: MENTAL HEALTH CLINICAL PRACTICUM**

Application of a unique clinical process based upon a critical synthesis of concepts from nursing and social sciences. Emphasis is on delivering care to communities and groups with a focus on wellness and mental health promotion. Students apply theory in both inpatient and community agencies. Graded Credit/No Credit.

*Concurrent: Nursing 450.*

**NSG 460 (3) NURSING OF COMMUNITIES: COMMUNITY HEALTH FOCUS**

The focus is on the health of populations with emphasis on epidemiology, health promotion, health protection, disease prevention, health policy, health care delivery systems, and cultural competency. A community assessment and community teaching project is required.

*Prerequisites: Senior standing in Nursing program and completion of Sociology 360.*

*Concurrent: Nursing 461*

**NSG 461 (3) NURSING OF COMMUNITIES: COMMUNITY HEALTH CLINICAL PRACTICUM**

Application of the nursing process to individuals, families, and communities using the concepts studied in Nursing 460 Community Health Focus. Students work with families in a variety of community based settings including a health department. Graded Credit/No Credit.

*Concurrent: Nursing 460.*

**NSG 470 (2) NURSING OF COMMUNITIES: LEADERSHIP AND MANAGEMENT FOCUS**

Focus is on leadership and management theories, skills and styles within multiple health care environments. Content includes nursing theory as it relates to leadership/management principles, coordinating client care, interdisciplinary team approaches, managing personal and organizational resources, legal, ethical and political influences on the professional nurse.

*Prerequisite: Senior standing in Nursing program.*

*Concurrent: Nursing 471.*

**NSG 471 (3) NURSING OF COMMUNITIES: LEADERSHIP AND MANAGEMENT CLINICAL PRACTICUM**

Application of leadership and management theories, skills and styles that have been presented in Leadership and Management Focus (Nursing 470). Emphasis is consistent with content of Nursing 470. Graded Credit/No Credit.

*Concurrent: Nursing 470.*

**NSG 480 (2) TRENDS/ISSUES IN PROFESSIONAL NURSING**

Explores transitional factors for students assuming a professional role. Analyzes trends and issues in professional nursing including ethical, economical, political, legal, and educational.

*Prerequisite: Senior standing in Nursing program.*

**NSG 490 (1-2) SPECIAL STUDIES IN NURSING**

Concentrated study and experience in a selected area of nursing not otherwise available to nursing majors in the program. The student prepares, in consultation with the course coordinator, an appropriate design for the study, taking into consideration interest, relevancy to nursing, and availability of resources. May be repeated to a total of six units.

*Prerequisites: Nursing 260, 261 and 270, GPA of 3.000 in Nursing, and consent of instructor.*

**NSG 491 (1-3) DIRECTED CLINICAL STUDIES IN NURSING**

Concentrated clinical experience in a selected area of nursing not otherwise available. The student prepares, in consultation with the course coordinator, an appropriate design for the study, taking into

consideration interest, relevancy to nursing, and availability of resources. May be repeated to a total of six units. A cumulative GPA of 3.000 is required for enrollment. Graded Credit/No Credit.  
*Prerequisites: Senior standing in Nursing program and consent of instructor.*

**NSG 495 (1-3) INTERNSHIP IN CLINICAL NURSING**

See Nursing 395 for description.

*Prerequisite: Senior standing in Nursing program. Consent of junior or senior team Nursing faculty. A cumulative GPA of 3.000 is required for enrollment. Application must be made by March 15 for summer and fall registration, and by October 15 for spring registration.*

# ***PHYSICS AND ENGINEERING***

## **Purposes**

- To prepare students for graduate studies in physics or engineering;
- To prepare students for a career in research or teaching;
- To prepare students for employment in various fields of applied physics and engineering;
- To satisfy pre-professional requirements for students choosing to attend engineering or architectural schools.

## **Tradition of Excellence**

The Department of Physics and Engineering offers a quality education in one of the best possible environments. The Physics and Engineering curriculum places PLNU at the cutting edge of physics instruction. Recently, the laboratories have been remodeled and tens of thousands of dollars have been invested into state-of-the-art equipment. One of the advantages of PLNU is the ability to provide students with one-on-one instruction in smaller-sized classes, which means more time to talk with the faculty and more hands-on experience with the research-grade equipment. One of the most valuable resources offered at PLNU is the practical work experience students have the opportunity to gain next door to the university at the Space and Naval Warfare Systems Command (SPAWAR) of the U.S. Navy. Many students work part-time in Computer Aided Design (CAD), electronics, and computer science applications. Not only is this a rewarding experience with a good salary; it also leads to a government security clearance which is very useful when applying for jobs in defense industries after graduation. Another tradition that has been established in the department is the acceptance of the Junior Engineering Physics and Physics majors into summer research programs at major universities and government agencies. These summer research experiences provide an opportunity for the members of the junior class to begin establishing professional contacts with individuals around the country and significantly enhancing their entrance into the graduate school of choice.

## **Career Opportunities**

Most Physics majors continue their education in graduate school and eventually become research scientists or teachers. The Engineering Physics majors focus on electronic circuit and computer hardware design. Graduates with this major have the option to attend graduate school or enter the job market in industry or government immediately after graduation. Point Loma offers both a Bachelor of Science and a Bachelor of Arts in Physics as well as a Bachelor of Science in Engineering Physics.

## **Majors**

Engineering Physics  
Physics

## **Minor**

Physics

## **Courses**

Engineering Courses  
Physics Courses

## **Faculty**

Kendall E. Mallory, Ph.D., Chair  
*University of California, Riverside*

Dee G. Puntenney, Ph.D.  
*Purdue University*

Paul Schmelzenbach, Ph.D.  
*Oregon State University*

# ***ENGINEERING PHYSICS MAJOR***

## **CORE CURRICULUM**

The following courses are required of all Physics and Engineering Physics majors:

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
EGR 110	Computational Methods for Engineers & Scientists I	1
EGR 120	Computational Methods for Engineers & Scientists II	1
PHY 241	University Physics I	4
PHY 242	University Physics II	4
PHY 304	Modern Physics	4
PHY 341	Analytical Mechanics	4
PHY 361	Electricity, Magnetism, and Waves	3
PHY 401	Thermodynamics	3
PHY 431	Quantum Mechanics	3
PHY 495	Seminar in Physics	1
MTH 164	Calculus I	4
MTH 174	Calculus II	4
MTH 274	Calculus III	4
MTH 334	Applied Mathematics	4
CHE 152	General Chemistry I	4
	<b>TOTAL</b>	<b>48</b>

## **RECOMMENDED**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
CSC 142	Introduction to Computer Programming	2
CSC 154	Fundamentals of Computer Science	4

## **Engineering Physics (B.S.) Major**

The courses listed below are required in addition to the core curriculum to earn a B.S. degree in Engineering Physics.

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
EGR 130	Engineering Drawing I	1
EGR 140	Engineering Drawing II	1
EGR 215	Engineering Mechanics*	3
EGR 352	Analog Electronics	2
EGR 422	Digital Electronics	2
EGR 432	Computer Interfacing	2
EGR 442	Mobile Robotics	2
PHY 311	Nuclear Physics	3
PHY 362	Electricity, Magnetism, and Waves II	3
PHY 443	Solid State Physics	3
	<b>TOTAL</b>	<b>22</b>

\* Engineering Physics majors may substitute Physics 341 for Engineering 215.

# PHYSICS MAJOR

## CORE CURRICULUM

The following courses are required of all Physics and Engineering Physics majors:

COURSE TITLE	UNITS
EGR 110 Computational Methods for Engineers & Scientists I	1
EGR 120 Computational Methods for Engineers & Scientists II	1
PHY 241 University Physics I	4
PHY 242 University Physics II	4
PHY 304 Modern Physics	4
PHY 341 Analytical Mechanics *	4
PHY 361 Electricity, Magnetism, and Waves	3
PHY 401 Thermodynamics	3
PHY 431 Quantum Mechanics	3
PHY 495 Seminar in Physics	1
MTH 164 Calculus I	4
MTH 174 Calculus II	4
MTH 274 Calculus III	4
MTH 334 Applied Mathematics	4
CHE 152 General Chemistry I	4
<b>TOTAL</b>	<b>48</b>

## RECOMMENDED

COURSE TITLE	UNITS
CSC 142 Introduction to Computer Programming	2
CSC 154 Fundamentals of Computer Science	4

## Physics (B.A.) Major

The following courses are required in addition to the core curriculum to earn a B.A. in Physics:

COURSE TITLE	UNITS
CHE 153 General Chemistry II	4
<b>One of the following courses:</b>	
PHY 311 Nuclear Physics	3
PHY 362 Electricity, Magnetism, and Waves II	3
PHY 443 Solid State Physics	3
<b>TOTAL</b>	<b>7</b>

## Physics (B.S.) Major

The courses listed below are required in addition to the core curriculum to earn a B.S. degree in Physics.

COURSE TITLE	UNITS
CHE 153 General Chemistry II	4
PHY 311 Nuclear Physics	3
PHY 362 Electricity, Magnetism, and Waves II	3
PHY 443 Solid State Physics	3
<b>At least four units from the following courses:</b>	
CHE 295 Organic Chemistry I	5

EGR 422	Digital Electronics	2
EGR 432	Computer Interfacing	2
	<b>TOTAL</b>	<b>17-18</b>

## *PHYSICS MINOR*

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PHY 241	University Physics I	4
PHY 242	University Physics II	4
PHY 304	Modern Physics	4
Eight additional upper-division units in Physics or Engineering.		
<b>MINOR TOTAL</b>		<b>20</b>

# ***ENGINEERING COURSES***

## ***Lower-Division***

### **EGR 110 (1) COMPUTATIONAL METHODS FOR ENGINEERS AND SCIENTISTS I**

An introduction to techniques used in scientific analysis, including graphing of data, curve fitting, numerical methods of problem solution, error analysis, and the use of computers for solving problems in physics and engineering. Three hours laboratory each week. Offered on a Quad basis.

### **EGR 120 (1) COMPUTATIONAL METHODS FOR ENGINEERS & SCIENTISTS II**

Engineering and scientific computing utilizing MatLab software. Examples and applications taken from the fields of engineering, physics, chemistry, and biology. Three hours laboratory each week. Offered on a Quad basis.

*Corequisite: Engineering 110.*

### **EGR 130 (1) ENGINEERING DRAWING I**

An introduction to orthographic projection and isometric pictorials. Visualization of 3- dimensional objects. Concepts are introduced using sketching followed by extensive use of computer-aided design (CAD). Applications relevant to the student's major. One two-hour lab each week.

### **EGR 140 (1) ENGINEERING DRAWING II**

A continuation of the concepts introduced in Engineering 130, using more advanced drawing concepts and CAD commands. One two-hour lab each week.

*Corequisite: Engineering 130.*

### **EGR 215 (3) ENGINEERING MECHANICS**

Statics of particles and rigid bodies as applied to engineering design. Topics include vector algebra, forces, moments and couples, conditions of equilibrium, friction, and virtual work.

*Prerequisite: Physics 241.*

## ***Upper-Division***

### **EGR 352 (2) ANALOG ELECTRONICS**

AC/DC circuit analysis, transients, characteristics of equivalent circuits for diodes, transistors, power supplies, transistor/operational amplifiers, and feedback applications. Two lectures and one laboratory each week.

*Prerequisite: Physics 142 or 242.*

### **EGR 422 (2) DIGITAL ELECTRONICS**

Boolean algebra, logic gates, combinational logic circuits, state minimization, flip/flops, sequential circuits, asynchronous and synchronous counters. Course emphasizes design aspects using electronic design software. Two lectures and one laboratory each week.

*Prerequisite: Physics 142 or 242.*

### **EGR 432 (2) COMPUTER INTERFACING**

Design, analysis, and implementation of digital controls systems using microcomputers and microcontrollers. Special attention given to the interfacing of hardware and digital devices to processors and controllers. Two lectures and one laboratory each week.

*Prerequisite: Engineering 422.*

### **EGR 442 (2) MOBILE ROBOTICS**

The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics, focusing on mobile robots and the importance of sensors and the integration of those sensors. Also to be discussed are navigation mechanisms and the various robot learning and control paradigms. Two lectures and one laboratory each week.

*Prerequisite: Engineering 432.*

### **EGR 489 (1-4) INTERNSHIP IN ENGINEERING**

Designed to provide engineering experience in applied settings. An academic plan must be developed in consultation between the supervising faculty member, student and work supervisor. Students must complete 45 hours of supervised work for each unit of credit received. May be repeated up to a total of four units.

### **EGR 490 (1-4) SPECIAL TOPICS IN ENGINEERING**

The topics chosen in engineering depend on regular or visiting faculty expertise as well as student demand. May be repeated (with varied topics) up to a total of six units.

# PHYSICS COURSES

## Lower-Division

### PHY 141, 142 (4,4) GENERAL PHYSICS I, II–GE

A general introduction to physics including mechanics, thermodynamics, waves and sound, electricity and magnetism, optics, and modern physics. The course is taught primarily at the algebra/trigonometry level but does require limited use of calculus. Meets the professional requirements of life and medical science majors. Four lectures and one laboratory each week.

*Corequisite: Mathematics 164 or consent of instructor.*

### PHY 241, 242 (4,4) UNIVERSITY PHYSICS I, II–GE

An analytic, calculus-based study of classical physics appropriate for science and engineering majors. Includes mechanics, thermodynamics, electromagnetism, and optics. Four lectures and one laboratory each week. Offered in a spring and fall sequence.

*Corequisite: Mathematics 145 or 164 or consent of instructor.*

## Upper-Division

### PHY 304 (4) MODERN PHYSICS

An introduction to concepts of modern physics including relativity, quantum theory, atomic physics, and high energy physics. Four lectures and one laboratory each week.

*Prerequisite: Physics 142 or 242.*

### PHY 311 (3) NUCLEAR PHYSICS

A survey of nuclear physics including nuclear models, laws of radioactive decay, radiation detection, and applications of nuclear science in engineering and medicine. Three lectures and one laboratory each week.

*Prerequisite: Physics 142.*

### PHY 341 (4) ANALYTICAL MECHANICS

Newtonian mechanics, dynamics of particles and rigid bodies, oscillatory motion, central forces, inertial tensors, Lagrangian and Hamiltonian formulations.

*Prerequisites: Physics 242 and Mathematics 274.*

*Recommended: Mathematics 334.*

### PHY 361, 362 (3,3) ELECTRICITY, MAGNETISM, AND WAVES I, II

Classical electromagnetism including electric and magnetic fields, the electromagnetic properties of matter, Maxwell's equations, and a study of electromagnetic radiation including interference, diffraction, and interaction with material bodies.

*Prerequisites: Physics 242 and Mathematics 274.*

*Recommended: Mathematics 334.*

### PHY 401 (3) THERMODYNAMICS

Fundamental concepts of thermodynamics and statistical mechanics; applications to both classical and quantum systems.

*Prerequisite: Physics 242.*

*Recommended: Mathematics 334.*

### PHY 431 (3) QUANTUM MECHANICS

A rigorous introduction to quantum physics including Schroedinger's equation, matrix mechanics, perturbation theory, and applications in atomic and molecular physics.

*Prerequisites: Physics 304 and Mathematics 274.*

*Recommended: Mathematics 334.*

### PHY 443 (3) SOLID STATE PHYSICS

An introduction to the study of solids, including crystal structure, reciprocal lattices, crystal binding, phonons, and electron band theory.

*Prerequisite: Physics 431.*

### PHY 489 (1-4) INTERNSHIP IN PHYSICS

Designed to provide experience in applied settings for students majoring in physics. An academic plan must be developed in consultation between the supervising faculty member, student and work supervisor.

Students must complete 45 hours of supervised work for each unit of credit received. Students may repeat this course for up to four units.

### PHY 490 (1-3) SPECIAL TOPICS IN PHYSICS

The topics in physics chosen depend on regular or visiting faculty expertise as well as student demand. May be repeated as topics vary up to a total of six units.

*Prerequisite: Consent of instructor.*

**PHY 495 (1) SEMINAR IN PHYSICS**

Presentation of papers by students, faculty, and visiting scholars, as well as attendance at seminars at other institutions. May be repeated up to a maximum of four units. Graded Credit/No Credit.

**PHY 499 (1-4) RESEARCH IN PHYSICS**

Independent investigation, under the supervision of a faculty member, of a specific problem in physics or engineering.

*Prerequisite: Consent of instructor and Senior standing.*

## **Physical Science Courses**

**PSC 103 (4) EARTH SCIENCE–GE**

An introductory survey of the disciplines of geology, oceanography, meteorology, and astronomy, with a discussion of philosophical and societal issues.

*Prerequisite: Mathematics 099 or equivalent.*

**PSC 105 (4) THE COSMOS - GE**

An introduction to our place in the universe emphasizing religious, cultural and historic perspectives including modern developments in physics and astronomy. This is a non-laboratory course that meets the requirement in general education under the category of The Natural World, but it does not count toward a major in Physics.

*Prerequisite: Mathematics 099 or equivalent*

**PSC 110 (4) PHYSICAL SCIENCE – GE**

An introductory survey of selected principles in physics and chemistry with a discussion of related societal and environmental issues. This course meets a requirement in general education under the category of The Natural World, but it does not count toward the Chemistry or Physics majors. One three-hour laboratory each week.

*Corequisite: Mathematics 099 or equivalent.*

# PSYCHOLOGY

## Purposes

- To develop mature personalities in students, so they will be able to meet problems of adjustment with realism and intelligence;
- To integrate the religious faith of students with the study of psychology;
- To prepare students who plan to undertake graduate study in psychology for careers related to mental health, such as marriage and family counseling, clinical psychology, community psychology, and health psychology;
- To educate students preparing for careers in non-mental health/related fields, such as ministry, business, medicine, and law.

## Tradition of Excellence

The Department of Psychology at Point Loma Nazarene University emphasizes several features in striving for excellence in undergraduate education. The department's practicum program allows juniors and seniors to obtain training in specific psychological skills through a community mental health or social service agency. Supervised by an agency representative and a psychology professor, this program is an effective way for Psychology majors to complement course work with real world experience. Point Loma also offers classes designed to deal with the integration of psychology and the Christian faith. Additionally, all students are encouraged to become part of a research project with qualified faculty that potentially may be presented at a national or regional psychology conference. The department also maintains an active PsiChi organization (National Honor Society in Psychology) that sponsors presentations in the field, preparatory workshops for those interested in graduate school, and special social events.

## Career Opportunities

It is the goal of the faculty that all students desiring to pursue graduate studies be prepared to do so and to present a strong graduate application. Such an application results from a Department that emphasizes areas foundational to entrance and success in graduate school. In addition to strong academic achievement, these include practicum experience, research experience, and sufficient contact with faculty that allows a student to earn a credible letter of recommendation. Recent alumni surveys indicate that over one-half of PLNU Psychology majors eventually receive a graduate degree of some kind, one-third of those within one to three years of graduating from PLNU. When these graduates were asked about their level of satisfaction with the preparation received at Point Loma, over ninety-five percent reported that they were very satisfied or satisfied. There is a strong tradition of excellence in the Department of Psychology at PLNU that attempts to prepare students for their next step into the future.

## Majors

Psychology

*Concentrations*

Character, Morality, and Culture Psychology

General Psychology

Therapeutic and Community Psychology

## Minor

Pre-Therapeutic Psychology

## Courses

## Faculty

Holly Irwin-Chase, Ph.D., Chair  
*University of Louisville*

Daniel L. Jenkins, Ph.D.  
*Brigham Young University*

G. Michael Leffel, Ph.D.  
*University of Illinois, Champaign-Urbana*

Ross A. Oakes Mueller, Ph.D.  
*Fuller Theological Seminary, Graduate School of Psychology*

Kendra L. Oakes Mueller, Ph.D.  
*Fuller Theological Seminary, Graduate School of Psychology*

Kim W. Schaeffer, Ph.D.  
*University of Oklahoma Health Sciences Center*

John T. Wu, Ed.D.  
*Harvard University, School of Education*

# ***PSYCHOLOGY MAJOR***

## **CORE REQUIREMENTS FOR ALL PSYCHOLOGY MAJORS**

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
PSY 101 Psychology of Personal Development (first-time freshmen or transfers with fewer than 24 units)	4
PSY 103 General Psychology	3
MTH 203 Introduction to Statistics	3
<b>TOTAL</b>	<b>10</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
PSY 300 Personality and Adult Development	4
PSY 308 Developmental Psychology – Birth Through Adolescence	4
PSY 350 Clinical and Research Assessment	3
PSY 390 Research Methods and Design I	4
PSY 391 Research Methods and Design II	4
PSY 400 History of Psychology	2
PSY 409 Psychology of Cognition and Learning	4
<b>TOTAL</b>	<b>25</b>
<b>CORE TOTAL</b>	<b>35</b>

## **Concentration: Character, Morality, and Culture**

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
PSY 230 Positive Psychology	3
<b>TOTAL</b>	<b>3</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
PSY 330 Moral Psychology and Cultural Values	4
PSY 420 Moral Development and Christian Spirituality	3
<b>One course from the following:</b>	
PSY 410 Theology-Psychotherapy Integration*	3
PSY 440 Psychology of Religion	4
PSY 460 The Human Challenge	3
<b>TOTAL</b>	<b>10-14</b>
<b>CONCENTRATION TOTAL</b>	<b>13-17</b>

\*If course is selected, must also take Psychology 325 (4)

### **RECOMMENDED**

PHL 351 Asian Philosophies and Religions	3
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## **Concentration: General Psychology**

**UPPER-DIVISION REQUIREMENTS**

*Fifteen units of Psychology electives*

**CONCENTRATION TOTAL 17**

*Electives - According to individual goals*

**Concentration: Therapeutic and  
Community Psychology**

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PSY 301	Physiological and Neuropsychology	4
PSY 321	Abnormal Psychology	3
PSY 325	Clinical and Community Interventions	4
PSY 380	Family Development and Family Therapies	3
<b><i>One course from the following:</i></b>		
PSY 410	Issues in Psychotherapy- Theology Integration	3
PSY 420	Moral Development and Christian Spirituality	3
<b>CONCENTRATION TOTAL</b>		<b>17</b>

**RECOMMENDED**

PSY 341	Group Counseling	3
PSY 345	Group Dynamics	3

## ***PRE-THERAPEUTIC PSYCHOLOGY MINOR***

This minor is for non-Psychology majors who desire an introductory exposure to therapeutic psychology. It is especially suited for individuals who plan to enter careers in social services, i.e. ministry, nursing, medicine, or social work. Students minoring in this program complete the following courses.

<b>COURSE TITLE</b>	<b>UNITS</b>
PSY 321 Abnormal Psychology	3
PSY 325 Clinical and Community Interventions	4
<b><i>One course from the following:</i></b>	
PSY 101 Psychology of Personal Development	4
PSY 103 General Psychology	3
<b><i>One course from the following:</i></b>	
PSY 308 Developmental Psychology – Birth Through Adolescence	4
FCS 150 Human Development	4
<b><i>One course from the following:</i></b>	
PSY 320 Social Psychology	3
PSY 360 Human Sexuality	3
PSY 341 Group Counseling	3
PSY 345 Group Dynamics	3
<b><i>One course from the following:</i></b>	
PSY 410 Issues in Psychotherapy – Theology Integration	3
PSY 420 Moral Development and Christian Spirituality	3
PSY 460 The Human Challenge	3
<b>MINOR TOTAL</b>	<b>20-21</b>

# ***PSYCHOLOGY COURSES***

## ***Lower-Division***

### **PSY 101 (4) PSYCHOLOGY OF PERSONAL DEVELOPMENT–GE**

Introduction to theories and issues in psychology as these relate to the student's own level of need to develop socially, mentally, and spiritually. Attitudes and skills which contribute to academic success; specifically understanding Point Loma as an academic, religious, and social culture have special focus. Colloquium, lectures, and small group laboratory experiences are used. Required of all first-year freshmen and transfer students with fewer than 24 units. All others take Psychology 103 to fulfill general education requirements.

### **PSY 103 (3) GENERAL PSYCHOLOGY–GE**

A survey of psychology as an empirical/behavioral science. Topics include biological correlates of behavior, learning, cognition, emotion, motivation, personality, assessment, development, psychopathology, psychotherapy, and social psychology.

*Prerequisite: Psychology 101 (may be taken concurrently).*

### **PSY 230 (3) POSITIVE PSYCHOLOGY**

A study of the expanding field of Positive Psychology. Emphasis is placed on ways to lead meaningful and fulfilling lives. Small group activities are included. Offered spring only.

*Prerequisite: Psychology 103 (may be taken concurrently).*

### **PSY 270 (2-4) CAREER EXPLORATION**

Students are placed in local mental health or social service agencies to obtain direct exposure in the field. The goal is to help them evaluate their career options and direction. May be repeated up to a total of six units. Graded Credit/No Credit.

*Prerequisites: Consent of instructor and approval of departmental faculty.*

## ***Upper-Division***

### **PSY 300 (4) PERSONALITY AND ADULT DEVELOPMENT**

An introductory survey of classic theories and contemporary empirical research in the fields of personality and adult development psychology. Distinct domains of knowledge regarding human nature, individual differences, and adult development and aging are covered. Emphasis is placed on developing a greater capacity for self-awareness and critical thinking.

### **PSY 301 (4) PHYSIOLOGICAL AND NEUROPSYCHOLOGY**

A study of the anatomical and physiological bases of mental events and behavior. Offered fall only.

*Prerequisites: Psychology 103 and 390 or consent of instructor.*

### **PSY 308 (4) DEVELOPMENTAL PSYCHOLOGY – BIRTH THROUGH ADOLESCENCE**

A systematic study of the physical, cognitive, social, and emotional development of the individual from birth through adolescence. Meets the California state guidelines for the Liberal Studies major.

### **PSY 320 (3) SOCIAL PSYCHOLOGY**

A study of the theories and methods of social interactions in the development of personal and group behavior. Topics include attitudes, communication, and pro-social and anti-social behaviors. Offered fall only. Also offered as Sociology 320.

### **PSY 321 (3) ABNORMAL PSYCHOLOGY**

Study of etiology, assessment, diagnosis, and treatment of various forms of abnormal behavior from various psychological perspectives.

*Prerequisite: One of Psychology 103, 308, Family and Consumer Sciences 150 or consent of instructor.*

### **PSY 325 (4) CLINICAL AND COMMUNITY INTERVENTIONS**

This course provides an overview of the fields of clinical and community psychology. It focuses on individual, family and systems, social-community, bio-psycho-social, and health interventions. Career directions within the mental health professions are introduced. Theories and interventions include cognitive-behavioral, humanistic-existential, psycho-dynamic-psychoanalytic, and systems. Focus is on how therapists apply therapeutic knowledge in a variety of settings.

### **PSY 330 (4) MORAL PSYCHOLOGY AND CULTURAL VALUES**

Introduction to the psychological study of morality, prosocial behavior, and character development, including a survey of historical and contemporary theories of morality. Includes a particular emphasis on the role of cultural norms and values, as well as an analysis of the ways in which such values are developed and transmitted in contemporary culture (e.g., media, academics, family, etc.). Small group activities are included. Offered fall only.

*Prerequisite: Psychology 101*

**PSY 341 (3) GROUP COUNSELING**

An introductory survey of theories used to modify, ameliorate, or change personal behavior using group methods. Laboratory experiences required. May be repeated once up to a total of six units.

*Prerequisite: Consent of instructor.*

**PSY 345 (3) GROUP DYNAMICS**

A laboratory learning experience in the formation and development of small group processes with emphasis upon understanding the effects of individual dynamics on the group.

*Prerequisite: Consent of instructor.*

**PSY 350 (3) CLINICAL AND RESEARCH ASSESSMENT**

A detailed study of selected psychological assessment instruments used in clinical and research settings. Emphasis is placed on reliability and validity, as well as selection of tests for diagnosis, treatment planning, and research.

*Prerequisites: Psychology 390 and Mathematics 203.*

**PSY 360 (3) HUMAN SEXUALITY**

Survey of behavioral, personality, and psycho-biological components of human sexuality, with emphasis upon delineation of facts from sexual myths, social context, and values. Offered fall only. Open to students who are not Psychology majors.

**PSY 380 (3) FAMILY DEVELOPMENT AND FAMILY THERAPIES**

Introduction to the normative stages and crises affecting families over the life span, and to the major theories of family and marital psychotherapy. Emphasis on how various models work with relational systems to facilitate development through times of crisis and developmental transition. Also focuses on therapeutic issues of substance abuse, and on legal issues involved in child, spousal, and elder abuse. Family developmental theories are applied to community organizations in order to assist students in understanding how system principles are used in community consultation.

*Prerequisites: Psychology 321 and 325 or consent of instructor.*

**PSY 390 (4) RESEARCH METHODS AND DESIGN I**

Students gain experience in methods of design, data collection, management, and analysis. Students begin a significant research project. This course must be taken in the semester immediately preceding Psychology 391.

*Prerequisites: Psychology 103 and Mathematics 203 (may be taken concurrently or with the consent of instructor).*

**PSY 391 (4) RESEARCH METHODS AND DESIGN II**

Study of design and of research in psychology and the use of statistics. Practice in the integration of design and statistics is included. Students finish a significant research project. This course must be taken in the semester immediately following Psychology 390.

*Prerequisites: Psychology 103, 390, and Mathematics 203, or consent of instructor.*

**PSY 400 (2) HISTORY AND CONTEMPORARY ISSUES IN PSYCHOLOGY**

A study of important ideas and debates in the history of psychology as they reappear in contemporary theory and research (e.g., the mind-body problem; nature-nurture). This course also provides a comprehensive review of important theories and findings in psychology in preparation for the GRE Subject Exam. An overview of the graduate school application process is offered.

*Prerequisites: Senior standing or spring semester of the junior year, if applying to graduate school in the fall of the senior year.*

**PSY 409 (4) PSYCHOLOGY OF COGNITION AND LEARNING**

A study of the major theories and empirical findings in the fields of cognition and learning, as well as practical applications to human behavior. Laboratory activities may be included.

*Prerequisites: Psychology 103 and 390 or consent of instructor.*

**PSY 410 (3) ISSUES IN PSYCHOTHERAPY–THEOLOGY INTEGRATION**

More detailed study of issues involved in the integration of theological insights and psychotherapy approaches within the therapeutic setting. Includes an overview of the historical relationship between religion and psychotherapy, differing models of the therapeutic relationship, and various models for integrating psychotherapeutic theory with theological world views. Introduces specific issues that arise in conducting therapy with religious persons, including criteria for evaluating healthy and unhealthy forms of religious belief. Offered spring only.

*Prerequisites: Psychology 325 or consent of instructor.*

**PSY 420 (3) MORAL DEVELOPMENT AND CHRISTIAN SPIRITUALITY**

Psychological and theological studies of the meaning of moral character and of the relationship between

processes of moral development, religious faith, and the experience of God. Emphasis is placed on understanding moral developmental determinants of religious experience, and on the application of psychotherapeutic principles in facilitating moral character change. A multi-disciplinary approach is taken to encourage integrative scholarship in the areas of faith development, spiritual formation, and character change. Integration within the Wesleyan theological tradition is emphasized. Open to students who are not Psychology majors. Offered fall only.

*Prerequisites: Psychology 101 or 103 and Bible 101 or 102.*

**PSY 440 (4) PSYCHOLOGY OF RELIGION**

An introduction to selected topics in this sub-division of psychology, including religious conversion and spiritual development (especially Christian); dynamics of religious experience; the nature of altruism and love; and the impact of spiritual practices on character development, psychological well-being, and health. The course prepares students for graduate study in topics related to the integration of psychology and Christian (especially Wesleyan) practical theology. Offered spring only.

*Prerequisites: Psychology 101 or 103 and Psychology 330.*

**PSY 460 (3) THE HUMAN CHALLENGE**

A course designed to engage students in a systematic interdisciplinary reflection on some of the challenges of an examined and well-lived life. It poses three human challenges for interdisciplinary (literary, philosophical, psychological, and theological) dialogue: 1) the challenge of evolving a philosophic faith; 2) the challenge of expanding one's capacity to love; and 3) the challenge of broadening one's personal identity and vision of meaningful, creative work. Students read literacy works that embody these adult developmental themes as well as selective articles from philosophy and psychology. Offered spring only.

*Prerequisite: Consent of instructor.*

**PSY 470 (3-4) PRACTICUM IN PSYCHOLOGY**

Students are placed in local mental health or social service agencies to obtain training in specific psychological skills. May be repeated up to a total of seven units. Graded Credit/No Credit.

*Prerequisites: Consent of instructor and approval of department faculty.*

**PSY 490 (1-3) SPECIAL STUDIES IN PSYCHOLOGY**

Detailed study of selected individual topics in psychology. Designed for advanced students to go deeply into an area not included in the curriculum. May be repeated up to a total of six units. Offered on demand.

*Prerequisite: Consent of instructor.*

**PSY 499 (1-4) RESEARCH IN PSYCHOLOGY**

Open to students of proven ability. Designed for students to undertake a significant self-initiated research project. May be repeated up to a total of six units.

*Prerequisites: Consent of instructor and approval of department faculty.*

# ***SOCIOLOGY AND SOCIAL WORK***

## **Purposes**

- To provide students with understanding of social environments and patterns of human behavior. This knowledge is a foundation for many disciplines in addition to sociology, e.g., criminal justice, education, psychology, social work, ministry, business and international affairs.
- To help students understand themselves and others in the context of local, national and global societies through the comparison of societies and cultures.
- To prepare students to work with many populations and issues in a variety of settings in the United States and elsewhere in the world.
- To provide students with the tools for study and analysis of the structure and functioning of social groups, social institutions, and societies.
- To provide professional education for employment in the criminal justice systems and generalist social work practice, and the foundation for post-graduate study.

## **Tradition of Excellence**

- A major in Sociology is foundational for the understanding of human society and social behavior. The graduate in Sociology is equipped for many ministry, corporate, and human service positions, in addition to being prepared for post-graduate study in Sociology, which can lead to positions in higher education, research, business, government, and law.
- A concentration in Criminal Justice builds upon the core Sociology curriculum and prepares the graduate for positions in all components of the criminal justice system, including law enforcement, courts, and corrections. The graduate is prepared for postgraduate study in Criminal Justice, Sociology, law, and other fields.
- A major in Social Work prepares the graduate for entry into professional social work in a generalist practice. The Social Work graduate is prepared for post-graduate work in the profession.
- A minor in Sociology as a complement to other disciplines.
- A minor in Criminal Justice as a complement to other disciplines.

## **Career Opportunities**

The Department of Sociology and Social Work prepares students to be effective leaders in the work force.

A number of students were hired while still in internships, and many graduates have secured professional employment during or shortly after completion of their undergraduate study. Popular careers students enter include research design, public relations, human services, probation and criminal justice, social work, social welfare, counseling, health care administration, and many other rewarding fields. Graduates are employed in a variety of occupations: as social workers at a hospital and with the County of San Diego, as counselors with the Salvation Army and with Big Brothers & Sisters, as corrections officer with the State of California and with Federal Pre-Trial Services, as director of a senior citizen center, as a layout designer for San Diego Gas and Electric Company, as teachers at all levels, and as local, state, and federal law enforcement officers.

Many graduates continue their education at the post-graduate level in Sociology, Social Work, and law. Students have entered schools such as the University of California-Berkeley, University of Chicago, University of Colorado, Duke University, University of Southern California, San Diego State University, and the California Western School of Law.

## **Majors**

Sociology

*Concentrations*

Criminal Justice

General Sociology

Social Work

## **Minors**

Sociology

Criminal Justice

## **Courses**

Sociology

Social Work

## **Faculty**

David C. Barrows, Ph.D.  
*University of California, San Francisco*

Mary E. Conklin, Ph.D.  
*Johns Hopkins University*

Patti L. Dikes, J.D.  
*Arizona State University*

James F. Gates, Ph.D.  
*University of Florida*

John W. Hawthorne, Ph.D.  
*Purdue University*

Patricia M. Leslie, M.A., Director of Social Work  
*University of Chicago*

Kevin F. Modesto, Ph.D., Chair  
*University of North Carolina, Chapel Hill*

# ***SOCIOLOGY MAJOR***

All classes required for the major must be completed with a grade of "C" (2.000) or above.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 101	Introduction to Sociology	3
SOC 260	Sociological Analysis	3
MTH 203	Introduction to Statistics	3
<b>Select one of the following:</b>		
SOC 103	Social Problems	3
SOC 201	Cultural Anthropology	3
SOC 250	Sociology of the Family	3
	<b>TOTAL</b>	<b>12</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 415	Social Theory	3
SOC 460	Social Research Methods and Design	4
SOC 476	Senior Seminar in Sociology	3

### **Concentration: General Sociology**

*Select 18 units from the following:*

SOC 303	Urban Issues	3
SOC 305	Social Stratification	3
SOC 310	Criminology <i>OR</i>	3
SOC 314	Juvenile Delinquency	(3)
SOC 316	Sociology of Aging	3
SOC 320	Social Psychology	3
SOC 321	Social Philosophy	3
SOC 330	Development of Feminist Thought	4
SOC 350	Urban Sociology	3
SOC 360	Race and Ethnicity	3
SOC 375	African Cultures and Histories	3
SOC 420	Social Change	3
SOC 430	Sociology of Religion	3
SOC 470	Medical Sociology	3
SOC 471	Internship in Sociology	2-4
SOC 475	Sociology of Education	3
SOC 490	Special Topics in Sociology	3
SOC 491	Independent Studies in Sociology	1-4

A minimum of six additional units of upper-division courses from the following disciplines: Economics, History, Political Science, Psychology, Sociology, and Social Work.

<b>TOTAL</b>	<b>24</b>
<b>TOTAL MAJOR UNITS</b>	<b>36</b>

### **Concentration: Criminal Justice**

All classes required for the major must be completed with a grade of "C" (2.000) or above.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 209	Introduction to Criminal Justice	3
POL 165	American Government	4
	<b>TOTAL</b>	<b>7</b>

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 310	Criminology	3
SOC 360	Race and Ethnicity	3
SOC 409	Criminal Law	3
SOC 410	Constitutional Foundations of the Criminal Justice System	3
SOC 472	Internship in Criminal Justice	4
PSY 321	Abnormal Psychology	3
	<b>TOTAL</b>	<b>19</b>

**RECOMMENDED ELECTIVES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 103	Social Problems	3
SOC 201	Cultural Anthropology	3
SOC 250	Sociology of the Family	3
SOC 305	Social Stratification	3
SOC 320	Social Psychology	3
SOC 350	Urban Sociology	3
SOC 420	Social Change	3
SOC 470	Medical Sociology	3

# ***SOCIAL WORK MAJOR***

All classes required for the major must be completed with a grade of "C" (2.000) or above.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 101	Introduction to Sociology	3
SOC 250	Sociology of the Family	3
BIO 101	Human Biology and Bioethics	4
ECO 102	Principles of Economics II	3
MTH 203	Introduction to Statistics	3
PSY 103	General Psychology	3
	<b>TOTAL</b>	<b>19</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 316	Sociology of Aging <i>OR</i>	3
SWK 340	Child Welfare	(3)
SOC 360	Race and Ethnicity	3
SOC 460	Social Research Methods and Design	4
SWK 303	Introduction to Social Work	3
SWK 330	Social Welfare Policy	3
SWK 365	Human Behavior in the Social Environment	3
SWK 370	Social Work Practice I	3
SWK 371	Social Work Practice II	3
SWK 470	Social Work Practicum I	4
SWK 471	Social Work Practicum II	4
SWK 472	Seminar in Social Work I	2
SWK 473	Seminar in Social Work II	2
	<b>TOTAL</b>	<b>37</b>

## **RECOMMENDED ELECTIVES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
FCS 150	Human Development	3
PSY 321	Abnormal Psychology	3
PSY 300	Personality and Adult Development	4
SOC 103	Social Problems	3
SOC 305	Social Stratification	3
SOC 330	The Development of Feminist Thought	4

# ***SOCIOLOGY MINOR***

The Sociology minor consists of a minimum of six courses from the list below (three from the required core and three electives). The student must select a minimum of 12 units of upper-division credits in Sociology and may include no more than three units of Sociology 490 Special Topics in Sociology.

All classes required for the minor must be completed with a grade of "C" (2.000) or better.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 101	Introduction to Sociology	3

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 415	Social Theory	3
SOC 260*	Sociological Analysis <i>OR</i>	3
SOC 460*	Social Research Methods and Design	(4)

\*Students who have completed a research methods course for their major--History 270, Nursing 399, Political Science 270, Psychology 390 and 391--may substitute for Sociology 260 or 460.

### **Select at least 9 units from the following:**

SOC 303	Urban Issues	3
SOC 305	Social Stratification	3
SOC 310	Criminology <i>OR</i>	3
SOC 314	Juvenile Delinquency	(3)
SOC 316	Sociology of Aging	3
SOC 320	Social Psychology	3
SOC 330	The Development of Feminist Thought	4
SOC 350	Urban Sociology	3
SOC 360	Race and Ethnicity	3
SOC 375	African Cultures and Histories	3
SOC 420	Social Change	3
SOC 430	Sociology of Religion	3
SOC 470	Medical Sociology	3
SOC 475	Sociology of Education	3
SOC 490**	Special Topics in Sociology	3

\*\*No more than three units of Sociology 490 may count toward the 12 units of upper-division course work required for the minor.

**TOTAL** **18-19**

## **RECOMMENDED COURSES**

SOC 103	Social Problems	3
SOC 201	Cultural Anthropology	3
SOC 250	Sociology of the Family	3

## ***CRIMINAL JUSTICE MINOR***

The minor in Criminal Justice consists of five required courses and one additional course.

All classes required for the minor must be completed with a grade of "C" (2.000) or above.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
SOC 101	Intro to Sociology	3
SOC 209	Intro to Criminal Justice	3

### **UPPER-DIVISION REQUIREMENTS**

SOC 310	Criminology <i>OR</i>	3
SOC 314	Juvenile Delinquency	(3)
SOC 360	Race and Ethnicity	3
SOC 409	Criminal Law <i>OR</i>	3
SOC 410	Constitutional Foundations of Criminal Justice	(3)

### ***One of the following courses (3-4 units):***

SOC 305	Social Stratification	3
SOC 320	Social Psychology	3
SOC 350	Urban Sociology	3
SOC 471	Internship: Criminal Justice	4
PSY 321	Abnormal Psychology	3
	<b>TOTAL</b>	<b>18-19</b>

# ***SOCIOLOGY COURSES***

## ***Lower-Division***

### **SOC 101 (3) INTRODUCTION TO SOCIOLOGY–GE**

An introduction to sociology, basic concepts, theories, development as a discipline, and the tools of social investigation.

### **SOC 103 (3) SOCIAL PROBLEMS - GE**

An analysis of some of the causes and implications of many of the most pressing social problems which confront us today. An attempt to develop ways to attack these problems. Offered spring.

### **SOC 111 (1) INTRODUCTION TO SOCIOLOGY: PRACTICUM**

The application of basic sociological concepts to student service/ministry experiences. Lecture and field work. Offered fall.

*Corequisite: Sociology 101 or consent of instructor.*

### **SOC 201 (3) CULTURAL ANTHROPOLOGY–GE**

An introduction to the basic concepts, methods and findings of cultural anthropology. Emphasis is on the comparative study of contemporary cultures to develop an understanding of the cultural diversity that confronts society and the common threads that bind people together.

### **SOC 209 (3) INTRODUCTION TO CRIMINAL JUSTICE**

An introduction to and comparative examination of the components of the justice process dealing with delinquent and criminal behavior. Examines criminally deviant behavior in a complex society. Offered spring.

### **SOC 250 (3) SOCIOLOGY OF THE FAMILY**

A study of the changing nature and function of the family as a basic institution of society with emphasis upon variety related to culture, class, and ethnicity.

### **SOC 260 (3) SOCIOLOGICAL ANALYSIS**

A course designed to enhance understanding of the sociological perspective including the ability to think and write descriptively and analytically. Offered fall.

*Prerequisite: Sociology 101 or 201 or consent of the instructor.*

## ***Upper-Division***

### **SOC 303 (3) URBAN ISSUES**

An interdisciplinary exploration of life as it is experienced in the urban environment. Students are exposed to broad issues of global urban life with particular focus on the San Diego/Tijuana metroplex. Special attention is given to the variety of ways people create meaningful lives for themselves in multicultural, urban environments and to the social organization that supports the life of the poor. Offered as a summer course in even years.

*Prerequisite: Consent of instructor.*

### **SOC 305 (3) SOCIAL STRATIFICATION**

Social stratification as part of social organization. A review of the major theories, methods of studying stratification and evidence relating to the origin, nature and functioning of systems of social inequality bases of stratification; relationships among class, status and power. Class consciousness and conflict; technological change and social mobility. Offered spring of even years.

*Prerequisite: Sociology 101 or 201 or consent of the instructor.*

### **SOC 310 (3) CRIMINOLOGY**

The study of crime and criminal behavior, the role of law, efforts at prevention and control. Offered fall.

*Prerequisite: Sociology 101 or 201 or consent of the instructor.*

### **SOC 314 (3) JUVENILE DELINQUENCY**

A study of the youthful offender including theories of cause, the role of law and authority, and current trends. Offered spring.

*Prerequisite: Sociology 101 or 201 or consent of instructor.*

### **SOC 316 (3) SOCIOLOGY OF AGING**

Analysis of aging within social contexts: the aging process, death, and dying, and the impact of psychological, economic, physiological, and social factors. Offered fall of even years.

*Prerequisite: Sociology 101 or 201 or consent of the instructor.*

### **SOC 320 (3) SOCIAL PSYCHOLOGY**

A study of the theories and methods of social interactions in the development of personal and group behavior. Topics include attitudes, communication, pro-social, and anti-social behaviors.

**SOC 321 (3) SOCIAL PHILOSOPHY**

The emergence and development of social philosophy, with consideration given to Critical Theory, Heidegger, Post-Structuralism, and feminist thought. Also crosslisted as Philosophy 321.

*Prerequisite: Philosophy 201.*

**SOC 330 (4) THE DEVELOPMENT OF FEMINIST THOUGHT–WS**

A survey of the development of various strands of feminist thought, and engagement in current conversations within and about feminism. Offered spring of even years.

**SOC 350 (3) URBAN SOCIOLOGY**

A study of urbanization as a social process, comparing urban, suburban, and metropolitan phenomena. Attention is given to institutions in changing urban settings, i.e., religion, family as it is applied to ministry. Offered spring of even years.

*Prerequisite: Sociology 101 or 201 or consent of the instructor.*

**SOC 360 (3) RACE AND ETHNICITY**

An analysis of historical and current social factors relating to various ethnic, racial, and status groups. Focus is upon issues of discrimination and oppression.

**SOC 375 (3) AFRICAN CULTURES AND HISTORIES**

An interdisciplinary examination of the social and cultural histories of Africa with emphasis on the contact between Africans and Europeans since the late 19th century. Also crosslisted as History 375. Offered fall of odd years.

**SOC 409 (3) CRIMINAL LAW**

To understand the role of the state in criminal law, this course studies the nature, origins and general principles of criminal law, including causation, defenses of justification and excuse, and criminal liability. Cases highlight and illustrate the general principles and doctrines in the context of real life. Crimes against persons, habitation, property and public order, and morals. Offered fall of odd years.

*Prerequisites: Sociology 101 or 201 and Sociology 209 or consent of instructor.*

**SOC 410 (3) CONSTITUTIONAL FOUNDATIONS OF CRIMINAL JUSTICE**

Examination of the federal constitutional provisions which impact the criminal justice system with an emphasis on the amendments in the Bill of Rights dealing with searches and seizures by law enforcement officers, the exclusionary rule, the privilege against self-incrimination, the rights to due process and the assistance of counsel, the death penalty, and constraints on the correctional system. Offered fall of even years.

*Prerequisite: Sociology 101 and 209 or consent of the instructor.*

**SOC 415 (3) SOCIAL THEORY**

Investigation and analysis of 19th century and more recent sociological thought, and philosophical and social issues surrounding it. The relation of sociological theory and Christian thought is considered. Offered fall.

*Prerequisite: Sociology 101 or 201 or consent of the instructor.*

**SOC 420 (3) SOCIAL CHANGE**

Study of social changes in modern societies; the source of change, processes such as social change movements by which change occurs, and the meanings of change for individuals and institutions. Offered fall of even years.

*Prerequisites: Sociology 101 or 201 or consent of instructor.*

**SOC 430 (3) SOCIOLOGY OF RELIGION**

Comparative and analytical study of religion as a social institution; the relation of religion to social stratification, economy, state; religion as an agent of social change and stability. Offered fall.

*Prerequisite: Sociology 101 or 201 or consent of the instructor.*

**SOC 460 (4) SOCIAL RESEARCH METHODS AND DESIGN**

A study and application of the methods of social research: development of a design, collection and analysis of data, and development of a final report. Offered spring.

*Prerequisite: Sociology 101 or 201 or consent of instructor.*

**SOC 470 (3) MEDICAL SOCIOLOGY**

An introduction the field of medical sociology and to a perspective on health and illness and the health care system. The course examines social and cultural factors related to health and nonhealth, including the nature of the problems addressed by health care institutions, societal responses to disease and sickness, and the institutional and organizational settings of health care. Offered spring of odd years.

*Prerequisite: Sociology 101 or Sociology 201 or consent of instructor.*

**SOC 471 (2-4) INTERNSHIP IN SOCIOLOGY**

Designed to provide experience in applied settings. A minimum of three hours per week for a full semester is required for each unit of credit. Placement and plan for internship are developed in consultation by instructor, student, and agency. May be repeated for up to a total of six units of credit. Students may receive credit for a maximum of six units for internship whether Sociology 471 or Sociology 472. Graded Credit/No Credit.

*Prerequisite: Consent of instructor.*

**SOC 472 (2-4) INTERNSHIP IN CRIMINAL JUSTICE**

Intended for Sociology majors with a concentration in Criminal Justice. This course allows students to gain experience in a criminal justice setting. Students are required to complete a minimum of 12 hours per week in an approved setting in the criminal justice system. May be repeated for up to a total of six units of credit. Students may receive credit for a maximum of six units for internship whether Sociology 471 or Sociology 472. Graded Credit/No Credit.

*Prerequisite: Consent of instructor.*

**SOC 475 (3) SOCIOLOGY OF EDUCATION**

A study of the social foundations of the American education system and the various community settings where education takes place. Emphasis upon current educational dynamics. Offered spring of odd years.

*Prerequisite: Sociology 101 or 201 or consent of instructor.*

**SOC 476 (3) SENIOR SEMINAR IN SOCIOLOGY**

Intended for Sociology majors, including those with concentration in Criminal Justice. Course provides opportunity to integrate material learned in other sociology courses as well as opportunity to integrate academic learning with personal experiences. During the course, students prepare a portfolio of papers demonstrating their competence in sociology. Offered fall.

*Prerequisite: Senior standing and major in Sociology.*

**SOC 490 (3) SPECIAL TOPICS IN SOCIOLOGY**

Selected topics of current interest in depth. Application through travel or special projects may be an essential part of the course. May be repeated for up to a total of six units. Students wishing to earn more than six units must have consent of the department chair and the Vice Provost for Academic Administration.

*Prerequisite: Consent of instructor*

**SOC 491 (1-4) INDEPENDENT STUDIES IN SOCIOLOGY**

An intensive study of selected issues. A plan for the study must be approved by instructor and department chair. May be repeated for up to a total of six units.

*Prerequisite: Consent of instructor.*

# ***SOCIAL WORK COURSES***

## ***Upper-Division***

### **SWK 303 (3) INTRODUCTION TO SOCIAL WORK**

An historical and contemporary view of the profession of social work within the field of social welfare: the values, the ethical standards, the knowledge base, and the social welfare programs and services where social workers practice. Offered fall.

### **SWK 330 (3) SOCIAL WELFARE POLICY**

A study of private and public programs and services that make up the American welfare system. A study of policy analysis and development with focus on the needs of special populations. Offered spring.  
*Prerequisite: Social Work 303 or consent of instructor.*

### **SWK 340 (3) CHILD WELFARE**

Analysis of the effects of family breakdown with special emphasis on children of divorce, singleparent families, HIV and drug-exposed children, children of minorities, and children of poverty. Offered fall.

### **SWK 365 (3) HUMAN BEHAVIOR IN THE SOCIAL ENVIRONMENT**

As generalists in the practice of social work the entry-level professional social worker is assisted in the organization of knowledge by a social systems approach. Systems examined include individual development across the life span, families, large and small groups, neighborhoods, communities, and organizations. Offered spring.

### **SWK 370 (3) SOCIAL WORK PRACTICE I**

A study of the theories and methods of professional social work practice. Focus is upon generalist practice with individuals, families, and small groups. Offered fall.  
*Prerequisite: Social Work 303.*

### **SWK 371 (3) SOCIAL WORK PRACTICE II**

A study of the theories and methods of professional social work practice with large groups, organizations, neighborhoods, communities, and governments. Offered spring.  
*Prerequisite: Social Work 370 or consent of instructor.*

### **SWK 470 (4) SOCIAL WORK PRACTICUM I**

Intended for seniors in social work. Students will be placed in approved social agencies, supervised by professional social workers. Entry-level practice placements include work with children, the aged, families, homeless and other special needs populations in a health, corrections, residential, community, or mental health settings. A student must complete a minimum of 200 hours of social work practice.  
*Prerequisite: Social Work 370 or consent of the Director of Social Work.*

### **SWK 471 (4) SOCIAL WORK PRACTICUM II**

Intended for seniors in social work only. The student completes a minimum of 200 hours in direct practice in an approved, supervised field setting.  
*Prerequisite: Social Work 470 or consent of the Director of Social Work.*

### **SWK 472 (2) SEMINAR IN SOCIAL WORK I**

Seminar for social work majors which integrates a liberal arts perspective with the professional social work foundation of knowledge, skills, and values. Students share field practicum experiences from the beginning phases of the social work process as a method of reinforcing their understanding of the professional social worker engaged in generalist practice. Offered fall.  
*Prerequisite: Prior or concurrent enrollment in Social Work 470.*

### **SWK 473 (2) SEMINAR IN SOCIAL WORK II**

Continuing seminar for social work majors only; continues the sharing of the practicum experience and concentrates on the later phases of the social work process. Offered spring.  
*Prerequisite: Prior or concurrent enrollment in Social Work 471.*

### **SWK 490 (3) SELECTED TOPICS IN SOCIAL WORK**

Selected topics of current interest in depth. May be repeated for up to a total of six units. Students wishing to earn more than six units must have consent of the department chair and the Vice Provost for Academic Administration.  
*Prerequisite: Consent of instructor.*

### **SWK 491 (1-4) INDEPENDENT STUDIES IN SOCIAL WORK**

An intensive study of selected issues. A plan for the study must be approved by the instructor and department chair. May be repeated for up to a total of six units.  
*Prerequisite: Consent of instructor.*

# *SCHOOL OF THEOLOGY AND CHRISTIAN MINISTRY*

## **Purposes**

- To help students appreciate and understand Christian history, theology, and spirituality from the perspective of the biblical, historical Christian faith;
- To create opportunities for students to apply and integrate classroom knowledge and principles to in-service training experiences in local churches, cross-cultural settings, and missions;
- To prepare students to pursue the study of philosophy, theology, or religion in a graduate school or seminary;
- To educate students to be "practical thinkers" and "thinking practitioners."

## **Tradition of Excellence**

The School of Theology and Christian Ministry faculty is committed to Christian service and the Wesleyan heritage. It offers personal attention and programs geared toward preparing women and men for ministry in a variety of forms as well as for other professions. With approximately fifty denominations represented at Point Loma, students have the opportunity to learn the similarities and differences between the major denominations and traditions within the Christian faith. The faculty of the School of Theology and Christian Ministry is diverse in educational background, with degrees from leading seminaries and universities across the country. Faculty members have published commentaries, dictionary articles, Christian life pieces, books, articles in national scholarly journals, and Christian education booklets. All professors are members in academic societies in fields of study. Outside the classroom, the faculty are committed members of local congregations and often spend weekends preaching, teaching Sunday school, or speaking at camps and retreats.

## **Career Opportunities**

Many of our students go directly into Christian ministry or other professions; others go on to graduate school. The School is proud of the acceptance rate of its alumni into a variety of graduate programs and law schools across the United States. To assist those entering Christian ministry of all sorts, "hands-on" internships in local churches are available. Also, six semester units can be earned through the summer ministries program by working in a local church, urban mission, or summer camp.

## **Majors**

Biblical Studies  
Christian Ministry  
    *Concentration*  
Youth Ministry  
Philosophy  
Philosophy and Theology

## **Minors**

Children's Ministry  
Philosophy  
Youth Ministry

## **Courses**

Bible  
Biblical Languages  
Church History  
Christian Ministry  
Philosophy  
Theology

## **Faculty**

Mark G. Bilby, M.Div., Visiting  
*Nazarene Theological Seminary*

Brad E. Kelle, Ph.D.  
*Emory University*

Michael E. Lodahl, Ph.D.  
*Emory University*

Thomas E. Phillips, Ph.D.  
*Southern Methodist University*

Samuel M. Powell, Ph.D.  
*Claremont Graduate School*

Stephen H. Rodeheaver, M.Div., Visiting  
*Nazarene Theological Seminary*

Heather K. Ross, M.A.  
*De Paul University*

Norman V. Shoemaker, D.Min.  
*Nazarene Theological Seminary*

Robert W. Smith, D.Min., Dean  
*Fuller Theological Seminary*

Robert J. Thompson, Ph.D.  
*University of Oklahoma*

John W. Wright, Ph.D.  
*University of Notre Dame*

Mark D. Wright, M.A.  
*Claremont School of Theology*

# ***BIBLICAL STUDIES MAJOR***

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIB 101	Old Testament History and Religion	2
BIB 102	New Testament History and Religion	3
BIB 240	Interpreting the Bible	3
THE 250	Foundations of Christian Theology I	3
<b><i>Either:</i></b>		
BLA 205	Essentials of Hebrew I	4
BLA 206	Essentials of Hebrew II	4
<i>OR</i>		
BLA 207	Essentials of Greek I	3
BLA 208	Essentials of Greek II	3
BLA 337	Exegesis of Greek New Testament	3
<b>TOTAL</b>		<b>19-20</b>

## **UPPER DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIB 307	Biblical Theology	4
BIB 495	Seminar in Biblical Literature	3
CHU 395	The Christian Tradition	3
CMI 300	Preaching	3
<b><i>Three additional upper division units in the School of Theology and Christian Ministry plus four courses from the following:</i></b>		
BIB 301	Jesus and the Synoptic Gospels	3
BIB 302	Early Christianity In Paul's Churches	3
BIB 305	Luke-Acts	3
BIB 314	The Old Testament Prophets	3
BIB 378	Old Testament Poetry And Wisdom	3
BIB 403	Johannine Literature	3
BIB 404	The Catholic Letters	3
BIB 413	Old Testament Narrative and Law	3
BIB 477	The Literature of Second Temple Judaism	3
<b>TOTAL</b>		<b>28</b>
<b>MAJOR TOTAL</b>		<b>47-48</b>

# CHRISTIAN MINISTRY MAJOR

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
BIB 101	Old Testament History and Religion	2
BIB 102	New Testament History and Religion	3
CHU 104	Nazarene Church History and Polity	3
<i>[Required only for members of the Church of the Nazarene]</i>		
CMI 150	Introduction to Ministry	2
CMI 160	Introduction to Christian Education	2
PHL 201	Introduction to Philosophy	3
THE 250	Foundations of Christian Theology I	3
<b>Either:</b>		
BLA 205	Essentials of Hebrew I	4
BLA 206	Essentials of Hebrew II OR	4
BLA 207	Essentials of Greek I	3
BLA 208	Essentials of Greek II	3
BLA 337	Exegesis of Greek New Testament	3
<b>TOTAL</b>		<b>26-27</b>

## UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
BIB 307	Biblical Theology	4
CHU 395	The Christian Tradition	3
CMI 300	Preaching	3
CMI 320	Administration and Leadership	2
CMI 330	Pastoral Care and Counseling	2
CMI 350	Evangelism and Cross-Cultural Ministry	3
CMI 387	Internship	1-6
THE 350	Foundations of Christian Theology II	3
THE 450	Doctrine of Holiness	3
<b>TOTAL</b>		<b>24-29</b>

## Concentration: Youth Ministry

### LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
BIB 101	Old Testament History and Religion	2
BIB 102	New Testament History and Religion	3
CHU 104	Nazarene Church History and Polity	3
<i>[Required only for members of the Church of the Nazarene]</i>		
CMI 150	Introduction to Ministry	2
CMI 160	Introduction to Christian	2

	Education	
CMI 210	Introduction to Youth Ministry	3
CMI 220	Youth Ministry and Contemporary Culture	3
PHL 201	Introduction to Philosophy	3
THE 250	Foundations of Christian Theology I	3

**Either:**

BLA 205	Essentials of Hebrew I	4
BLA 206	Essentials of Hebrew II	4
	OR	
BLA 207	Essentials of Greek I	3
BLA 208	Essentials of Greek II	3
BLA 337	Exegesis of Greek New Testament	3
	<b>TOTAL</b>	<b>35-36</b>

**UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
BIB 307	Biblical Theology	4
CHU 395	The Christian Tradition	3
CMI 300	Preaching	3
CMI 320	Administration and Leadership	2
CMI 330	Pastoral Care and Counseling	2
CMI 350	Evangelism and Cross-Cultural Ministry	3
CMI 387	Internship	1-6
THE 350	Foundations of Christian Theology II	3
THE 450	Doctrine of Holiness	3
	<b>TOTAL</b>	<b>24-29</b>

**RECOMMENDED COURSES**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PSY 308	Developmental Psychology-Birth through Adolescence	4
PSY 360	Human Sexuality	3
PSY 420	Moral Development and Christian Spirituality	3

**Internship**

Opportunity is provided for qualified majors to participate, for the equivalent of one semester, in a full-time practical experience in a local church. Each intern is under the joint supervision of a local pastor and university faculty. The internship normally is taken during the summer between the junior and senior years and either the preceding or following semester.

Up to six units of credit in Christian Ministry 387 for the practicum experience are available. In addition, up to six units of regular course credit may be taken concurrently.

To be eligible for consideration in the Christian Ministry internship program the student must have completed or have in progress the following:

- All lower-division requirements in the School of Theology and Christian Ministry;
- One year of biblical language;
- Bible 307 and Theology 306;
- One advanced course in Theology or Church History, preferably Church History 395.

Application forms may be obtained from the Dean of the School of Theology and Christian Ministry.

**Summer Ministries**

This program involves qualified students of Point Loma Nazarene University in summer work at churches and youth camps throughout the Southwest educational region of the sponsoring denomination or in summer ministries programs of the Church of the Nazarene. Students may earn up to six units of course credit in Christian Ministry 387.

**Institute of Holy Land Studies**

Point Loma Nazarene University is associated with the Institute of Holy Land Studies (a division of Jerusalem University College) in Jerusalem, Israel. Undergraduate courses, on the junior or senior level, or graduate courses may be taken in Israel and transferred to PLNU. Inquiries can be made to the Institute at 4249 E. State Street, Suite 203, Rockford, Illinois 61108.

# ***PHILOSOPHY MAJOR***

The discipline of philosophy, the critical inquiry into the structure of reality, knowledge, and values, seeks to clarify and explicate the presuppositions and implications of various interpretations of human experience. The purposes of the Philosophy major are:

- To develop critical and creative thinking, soundness of argument, clarity of thought, and precision in expression;
- To cultivate a critical appreciation of the enduring questions constituting the philosophical heritage;
- To explore the relation between philosophical and religious thought; and
- To prepare students for graduate study.

## **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PHL 201	Introduction to Philosophy	3
PHL 277	Logic	3
	<b>TOTAL</b>	<b>6</b>

## **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PHL 301	History of Western Philosophy I	3
PHL 302	History of Western Philosophy II	3

***Twenty-one additional units in Philosophy***

**TOTAL 27**

**MAJOR TOTAL 33**

## **RECOMMENDED**

*Greek, German, or French should be used to fulfill the general education foreign language requirement.*

# PHILOSOPHY AND THEOLOGY MAJOR

Graduate theological education presumes broad learning across the curriculum with a concentration in a particular area. The major in Philosophy and Theology aims to prepare the student for graduate education by:

- Introducing the student to philosophy and theology as intellectual disciplines;
- Initiating the student into the central documents, beliefs, and practices of the Christian faith, both historical and contemporary; and
- Providing flexibility to supplement the major with courses in complementary disciplines with the possibility of concentrated study in one area of interest.

## LOWER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
BIB 101	Old Testament History and Religion	2
BIB 102	New Testament History and Religion	3
PHL 201	Introduction to Philosophy	3
THE 250	Foundations of Christian Theology	3
	<b>TOTAL</b>	<b>11</b>

## UPPER-DIVISION REQUIREMENTS

COURSE	TITLE	UNITS
BIB 307	Biblical Theology	4
CHU 395	The Christian Tradition	3
THE 450	Doctrine of Holiness	3

*An additional 15 upper-division units in the School of Theology and Christian Ministry. (May not include Biblical Languages 337 or Christian Ministry 387.) At least 6 of these 15 units must be in Philosophy courses (other than Philosophy 351).*

<b>TOTAL</b>	<b>25</b>
<b>MAJOR TOTAL</b>	<b>36</b>

## The H. Orton Wiley Chair of Theology

For many years, Point Loma Nazarene University has benefitted from a succession of distinguished scholars as teachers in the field of Christian theology. These include A.M. Hills, Olive M. Winchester, and H. Orton Wiley. The creative and scholarly work of these persons made a distinct contribution to modern theology in the Wesleyan-Arminian tradition. To continue this tradition of scholarship, the H. Orton Wiley Chair of Theology was created in 1967. Scholars selected to fill this position have been Ross E. Price, Westlake T. Purkiser, and Herbert L. Prince.

## ***CHILDREN'S MINISTRY MINOR***

A minor is available to all students pursuing a degree who wish to qualify for full or part-time ministry to children.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
CMI 150 Introduction to Ministry	2
CMI 200 Christian Education of Children	3
FCS 120 Child and Adolescent Development	3
<b>TOTAL</b>	<b>8</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BIB 307 Biblical Theology	4
THE 331 Christian Ethics <i>OR</i> Three units in upper-division Bible	3
FCS 420 Child Development in the Family and Community	4

*Three additional upper-division units in Christian Ministries*

<b>TOTAL</b>	<b>14</b>
<b>MINOR TOTAL</b>	<b>22</b>

### **RECOMMENDED**

<b>COURSE TITLE</b>	<b>UNITS</b>
FCS 310 Early Childhood Education	4
FCS 460 Administration and Supervision in Early Childhood Education	4
FCS 470 Practicum in Child Development	3

*Additional courses in the School of Theology and Christian Ministry.*

## ***PHILOSOPHY MINOR***

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PHL 201	Introduction to Philosophy	3
	<b>TOTAL</b>	<b>3</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
PHL 301	History of Western Philosophy I	3
PHL 302	History of Western Philosophy II	3

*Eight to nine additional upper-division units in  
Philosophy.*

**TOTAL** **14-15**

**MINOR TOTAL** **17-18**

*Note: At least nine units must be taken in courses  
that are not used for the student's major. At  
least 12 units must be upper-division.*

## ***YOUTH MINISTRY MINOR***

A minor is available to all students pursuing a degree who wish to prepare for full or part-time ministry to youth.

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
CMI 150 Introduction to Ministry	2
CMI 210 Introduction to Youth Ministry	3
CMI 220 Youth Ministry in Contemporary Culture	3
<b>TOTAL</b>	<b>8</b>

### **UPPER-DIVISION REQUIREMENTS**

<b>COURSE TITLE</b>	<b>UNITS</b>
BIB 307 Biblical Theology	4
Three units in upper-division Bible	3
CMI 387 Internship	3
PSY 308 Developmental Psychology -- Birth Through Adolescence	4
<b>TOTAL</b>	<b>14</b>
<b>MINOR TOTAL</b>	<b>22</b>

### **RECOMMENDED**

CMI 300 Preaching	3
CMI 350 Evangelism and Missions	3
CMU 314 Music and Worship <i>OR</i>	3
CMU 433 Hymnology	3

# ***BIBLE COURSES***

## ***Lower-Division***

### **BIB 101 (2) OLD TESTAMENT HISTORY AND RELIGION–GE**

Within the context of the history of Israel, an overview of the literature of the Old Testament with special attention to its literary history and theological themes. Offered fall, spring, and summer.

### **BIB 102 (3) NEW TESTAMENT HISTORY AND RELIGION–GE**

Within the context of Christian origins, an overview of the canonical literature of the New Testament with special attention to its literary history and theological themes. Offered fall, spring, and summer.

### **BIB 240 (3) INTERPRETING THE BIBLE**

This course introduces the student to the disciplines of biblical interpretation that have been employed from the period of early Jewish and Christian exegesis through the burgeoning of modern and postmodern approaches to the biblical literature. Serving as an extension of and transition from the introductory courses in biblical literature, this course provides the student with more advanced exegetical skills, methods, and techniques to apply in academic and pastoral study of the Bible. Emphasis is given to the methods and tools needed for such study. The course intentionally takes account of both traditional and non-traditional methods of reading the biblical literature.

*Prerequisites: Bible 101 and Bible 102.*

## ***Upper-Division***

### **BIB 301 (3) JESUS AND THE SYNOPTIC GOSPELS**

A study of the origins, content, and theological perspectives of the synoptic Gospels.

*Prerequisite: Bible 102.*

### **BIB 302 (3) EARLY CHRISTIANITY IN PAUL'S CHURCHES**

A study of the presentation of Paul in the Acts of the Apostles, the theology of Paul, and the Pauline literature.

*Prerequisite: Bible 102.*

### **BIB 305 (3) LUKE-ACTS**

A study of the origins, content, and theological perspectives of the gospel of Luke and the Acts of the Apostles.

*Prerequisite: Bible 102.*

### **BIB 307 (4) BIBLICAL THEOLOGY**

A study of the major theological themes of the Christian Scriptures in relation to Christian faith and practice.

*Prerequisite: Bible 101 or 102.*

### **BIB 314 (3) THE OLD TESTAMENT PROPHETS**

A study of the prophetic phenomena in the Old Testament, setting each book in its historical and canonical context.

*Prerequisite: Bible 101.*

### **BIB 378 (3) OLD TESTAMENT POETRY AND WISDOM**

A study of the development of wisdom literature from its ancient Near Eastern antecedents to second century Judaism and Christianity.

*Prerequisite: Bible 101.*

### **BIB 403 (3) JOHANNINE LITERATURE**

A study of the Johannine literature (Gospel, Letters, and Apocalypse) in relation to its social setting and content, and its theological significance of the development of early Christianity.

*Prerequisites: Bible 101, 102, 240.*

### **BIB 404 (3) THE CATHOLIC LETTERS**

A study of Hebrews, James, 1 Peter, 2 Peter, and Jude in their early Christian setting.

*Prerequisites: Bible 101, 102, 240.*

### **BIB 413 (3) OLD TESTAMENT NARRATIVE AND LAW**

An exegetical and theological study of Old Testament narrative and legal materials (Pentateuch, Deuteronomistic History, various writings) that introduces their basic content, movement, context, and significance. Attention also is paid to biblical and archaeological data related to the origins of Israel and its literature.

*Prerequisites: Bible 101, 102, 240.*

**BIB 477 (3) THE LITERATURE OF SECOND TEMPLE JUDAISM**

A study of selected literature and themes in the period of second temple Judaism such as the Dead Sea Scrolls and apocalyptic literature.

*Prerequisites: Bible 101, 102, 240.*

**BIB 490 (1-3) SPECIAL STUDIES IN BIBLE**

An investigation of a topic in biblical studies not otherwise covered in the curriculum. May be repeated to a total of six units.

*Prerequisite: Consent of the dean of the School of Theology and Christian Ministry.*

**BIB 495 (3) SEMINAR IN BIBLICAL LITERATURE**

Advanced study in a topic in Bible. May be repeated up to a total of 6 units.

*Prerequisites: Bible 101, 102, either Biblical Languages 205, 206 or 207, 208 and 337, and permission of instructor.*

# ***BIBLICAL LANGUAGES COURSES***

## ***Lower-Division***

### **BLA 205, 206 (4,4) ESSENTIALS OF HEBREW I, II-GE**

An introductory study of the syntax and vocabulary of biblical Hebrew, with Old Testament readings along with an introduction to the tools and methods of exegesis.

### **BLA 207, 208 (3,3) ESSENTIALS OF GREEK I, II-GE**

A linguistic approach to the language of the New Testament providing students with sufficient knowledge to read selected passages from the Greek New Testament with the use of a grammar and lexicon.

## ***Upper-Division***

### **BLA 337 (3) EXEGESIS OF GREEK NEW TESTAMENT I-GE**

Methodologies for the exegesis of the Greek New Testament with attention to continued reading of the text and advanced grammar and syntax.

*Prerequisites: Biblical Language 207 and 208.*

### **BLA 490 (1-3) SPECIAL STUDIES IN BIBLICAL LANGUAGES**

Readings in Greek or Hebrew for the advanced student in biblical languages. May be repeated up to four units credit in each language.

*Prerequisites: Consent of the dean of the School of Theology and Christian Ministry and either Biblical Languages 337 or 205, 206.*

# **CHRISTIAN MINISTRY COURSES**

## **Lower-Division**

### **CMI 150 (2) INTRODUCTION TO MINISTRY**

An orientation course for those contemplating special areas of Christian service, providing insight into ministry from biblical thought, church history, theology, and contemporary Christian movements. Attention is given to the importance of women and ethnic issues in ministry.

### **CMI 160 (2) INTRODUCTION TO CHRISTIAN EDUCATION**

An introduction to the skills and knowledge required to organize a Christian education program in the local church.

### **CMI 200 (3) CHRISTIAN EDUCATION OF CHILDREN**

An introduction to the spiritual needs and development of the child; emphasis on the use of methods at specific age levels and the administration of the program for children.

*Prerequisites: Christian Ministry 150 and Bible 101 or 102.*

### **CMI 210 (3) INTRODUCTION TO YOUTH MINISTRY**

A study of the characteristics and spiritual needs of youth, practical factors involved with youth ministry, including resources for programming and discipleship.

*Prerequisites: Christian Ministry 150 and Bible 101 or 102.*

### **CMI 220 (3) YOUTH MINISTRY IN CONTEMPORARY CULTURE**

An in-depth analysis of issues facing contemporary youth, with an examination of leadership models and appropriate methods to facilitate effective week to week ministry with youth.

*Prerequisites: Christian Ministry 150 and Bible 101 or 102.*

## **Upper-Division**

### **CMI 300 (3) PREACHING**

An introduction to the preparation and delivery of sermons. Includes laboratory experience.

*Prerequisites: Communication 100, Christian Ministry 150, and Theology 250.*

### **CMI 320 (2) ADMINISTRATION AND LEADERSHIP**

An introduction to the organizational skills and knowledge required in the pastoral ministry.

*Prerequisites: Christian Ministry 150 and Theology 250.*

### **CMI 330 (2) PASTORAL CARE AND COUNSELING**

A study of pastoral care and leadership and their biblical, historical and theological foundations in relation to their contemporary expressions.

*Prerequisites: Christian Ministry 150 and Theology 250.*

### **CMI 350 (3) EVANGELISM AND CROSS-CULTURAL MINISTRY**

A study of the biblical, historical and theological foundations of evangelism, missions, and church growth in relation to their contemporary expressions.

*Prerequisites: Christian Ministry 150 and Theology 250.*

### **CMI 387 (1-4) INTERNSHIP**

Supervised training in ministry, designed to help the student correlate classroom experiences with the practice of ministry. May be repeated up to a total of six units. Graded Credit/No Credit.

*Prerequisites: Bible 101 or 102 and consent of instructor.*

### **CMI 400 (3) CHRISTIAN WORSHIP**

A study of the practice of worship and its biblical, historical and theological foundations in relation to its contemporary expressions, with special attention to the sacraments, Christian rituals, and the liturgical year.

*Prerequisites: Christian Ministry 150 and Theology 250.*

### **CMI 490 (1-3) SPECIAL STUDIES IN CHRISTIAN MINISTRY**

An investigation of a topic in Christian ministries not otherwise covered in the curriculum. May be repeated to a total of six units.

*Prerequisite: Consent of the dean of the School of Theology and Christian Ministry.*

# ***CHURCH HISTORY COURSES***

## ***Lower-Division***

### **CHU 104 (3) NAZARENE CHURCH HISTORY AND POLITY**

A study of the history, polity, articles of faith and *Manual* of the Church of the Nazarene. Attention is given to the importance of women and ethnic issues in ministry.

## ***Upper-Division***

### **CHU 395 (3) THE CHRISTIAN TRADITION—GE**

A historical survey of the ideas, practices, and institutions of Christianity from the end of the New Testament period to the present, with attention to the Wesleyan-Arminian tradition. Offered every semester.

*Prerequisite: Bible 101 or 102.*

### **CHU 490 (1-3) SPECIAL STUDIES IN CHURCH HISTORY**

Study of a topic in church history not otherwise covered in the curriculum. May be repeated to a total of six units.

*Prerequisite: Consent of the dean of the School of Theology and Christian Ministry.*

# ***PHILOSOPHY COURSES***

## ***Lower-Division***

### **PHL 201 (3) INTRODUCTION TO PHILOSOPHY–GE**

A historical survey of selected philosophical ideas, systems, and methods, especially as these have developed in Western civilization.

### **PHL 211 (3) ETHICS–GE**

The study of right and wrong in principle, character, and conduct; practical moral issues analyzed from the basis of sound moral theory; characteristics of an adequate, consistent code of ethics.

### **PHL 277 (3) LOGIC**

A study of the logical appraisal of arguments with attention given to formal and informal fallacies.

## ***Upper-Division***

### **PHL 301 (3) HISTORY OF WESTERN PHILOSOPHY I**

This course is designed to examine developments in Western philosophy with an emphasis on ancient Greek and medieval philosophies utilizing readings from significant and representative texts of the historical eras.

*Prerequisite: Philosophy 201.*

### **PHL 302 (3) HISTORY OF WESTERN PHILOSOPHY II**

This course examines developments in Western philosophy with an emphasis on modern philosophy from Descartes through Kant utilizing readings from significant and representative texts of the modern historical period.

*Prerequisite: Philosophy 201.*

### **PHL 303 (3) HISTORY OF WESTERN PHILOSOPHY III**

An examination of developments in Western philosophy with an emphasis on 19th century thought utilizing readings from significant and representative texts of that century.

*Prerequisite: Philosophy 201.*

### **PHL 304 (3) HISTORY OF WESTERN PHILOSOPHY IV**

This course examines developments in Western philosophy with an emphasis on contemporary thought since Kierkegaard with readings from significant and representative texts of the contemporary period.

*Prerequisite: Philosophy 201.*

### **PHL 311 (4) EUROPEAN INTELLECTUAL HISTORY**

A seminar-style study of the intellectual history of Europe from the 1780's through the end of the 19th century. Readings analyze the rise of the national intellectual traditions in England and on the Continent, including Rousseau, Kant, Hegel, Schopenhauer, Mill, Nietzsche, Freud and others. Emphasis is placed on the rise of philosophical irrationalism within the context of post-Enlightenment thought. Also offered as History 311.

*Prerequisite: Philosophy 201.*

### **PHL 321 (3) SOCIAL PHILOSOPHY**

The emergence and development of social philosophy, with consideration given to Critical Theory, Heidegger, Post-Structuralism, and feminist thought. Also offered as Sociology 321.

*Prerequisite: Philosophy 201.*

### **PHL 331 (3) EXISTENTIALISM**

A philosophical and historical examination of themes within existentialist literature and philosophy. This course includes such figures as Kierkegaard, Heidegger, Sartre, de Beauvoir, Dostoevsky, and Camus.

### **PHL 341 (3) PHILOSOPHY OF ART**

Classical and recent theories of beauty and art, with selected coverage of such concepts as aesthetics, expression, representation and criticism.

*Prerequisite: Philosophy 201.*

### **PHL 351 (3) ASIAN PHILOSOPHIES AND RELIGIONS**

Treatment of the leading ideas and philosophical developments of Asian philosophies and of the beliefs and practices of Asian religious traditions.

*Prerequisite: Philosophy 201.*

### **PHL 371 (3) PHILOSOPHY AND EDUCATION**

An examination of significant works in the philosophical tradition from ancient Greek to contemporary texts

that deal explicitly with the topics of education and pedagogy.

*Prerequisite: Philosophy 201.*

**PHL 381 (3) ETHICS, RESPONSIBILITY, AND LOVE**

This course examines the ethical implications of love. The course includes such figures as Plato, St. Augustine, Kierkegaard, Buber, and Irigaray.

**PHL 411 (3) BEING AND TRUTH**

An examination of the nature of reality and of knowledge and what constitutes knowledge. Possible topics include space, time, causation, realism, nominalism, freedom, God, skepticism, belief, truth, and justification.

**PHL 451 (3) PHILOSOPHY OF SCIENCE**

A philosophical and historical examination of the nature and epistemological foundations of science, the scientific method, and the relationship between science and such areas as religion, morality, and culture.

*Prerequisites: History 110 and 111, and Philosophy 201.*

**PHL 461 (3) PHILOSOPHY OF RELIGION**

A philosophical examination of the nature of religion, the existence of God, faith and reason, religious experience, evil, and religious language.

*Prerequisite: Philosophy 201.*

**PHL 490 (1-3) SPECIAL STUDIES IN PHILOSOPHY**

An investigation of a topic in philosophy not otherwise covered in the curriculum. May be repeated to a total of six units.

*Prerequisite: Consent of the dean of the School of Theology and Christian Ministry.*

# ***THEOLOGY COURSES***

## ***Lower-Division***

### **THE 250 (3) FOUNDATIONS OF CHRISTIAN THEOLOGY I**

An introduction to Christian theology, to research methods and to theological bibliography. Examination of the Christian doctrines of God, creation, sin, Christ and the atonement.

*Prerequisites: Philosophy 201 and either Bible 101 or 102.*

## ***Upper-Division***

### **THE 300 (3) RELIGIONS OF THE WEST**

A study of non-Christian religions of the Western world, especially Judaism and Islam, and of important aspects of religion such as myth, ritual, belief, and law.

*Prerequisites: Bible 101, 102, and Philosophy 201.*

### **THE 306 (3) THE LIFE OF HOLINESS—GE**

A study of the biblical foundations of the Holiness message, Wesleyan theological perspectives set in the context of the history of the Church, and the classic disciplines of spiritual formation.

*Prerequisite: Bible 101 or 102.*

### **THE 310 (3) WOMEN IN CHRISTIANITY—WS**

A study of issues related to women in the Bible and Christianity, including women's spiritual biographies, the use of gender-inclusive language, the ordination of women into ministry, women in the Wesleyan/holiness tradition, and feminist and liberation theologies.

### **THE 350 (3) FOUNDATIONS OF CHRISTIAN THEOLOGY II**

Examination of the Christian doctrines of the Holy Spirit, the Christian life, the church, and eschatology.

*Prerequisites: Philosophy 201, either Bible 101 or 102, and Theology 250.*

### **THE 450 (3) DOCTRINE OF HOLINESS**

Examination of the doctrine of Holiness in its biblical and historical development.

*Prerequisites: Philosophy 201, either Bible 101 or 102, and Theology 250.*

### **THE 490 (1-3) SPECIAL STUDIES IN THEOLOGY**

An examination of a topic in theology not otherwise studied in the curriculum. May be repeated to a total of six units.

*Prerequisite: Consent of the dean of the School of Theology and Christian Ministry.*

## ***WOMEN'S STUDIES***

The minor in Women's Studies affirms the equality and value of women in the university community and curriculum. Significant women in the Wesleyan/holiness movement have consistently contributed to Christian feminism as a central principle of academic and church life. Point Loma has developed a sequence of courses of interest to both women and men that examines important gender issues across a wide variety of academic fields, in light of the university's commitment to the Christian faith.

The minor in Women's Studies is for students who wish to complement study in another area with an interdisciplinary study of women's status and contribution to the world. The program consists of an introductory course, a capstone course, and a selection of applied topics courses at the upper-division level.

### **Minor**

Women's Studies

### **Courses**

## ***WOMEN'S STUDIES MINOR***

Graduation with a minor in Women's Studies requires the following lower-division and upper-division courses:

### **LOWER-DIVISION REQUIREMENTS**

<b>COURSE</b>	<b>TITLE</b>	<b>UNITS</b>
POL 190	The Politics of Race, Class, and Gender	4

### **UPPER-DIVISION REQUIREMENTS**

POL 330	The Development of Feminist Thought	4
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*A minimum of nine units from:*

THE 310	Women in Christianity	3
COM 312	Gender and Communication	3
ECO 440	Racial and Gender Issues in Economics and Education	2
FCS 340	Nutrition of Women's Well-Being	2
HIS 475	Topics in Women's History	4
LIT 437	Women Writers	3
NSG 446	Health of Women in a Multicultural World	3
NSG 447	Family Violence	3
POL 415	Women and Politics	4
	<b>TOTAL</b>	<b>13</b>

A two-unit departmental internship, agreed upon by the sponsoring department and the Director of Women's Studies, can apply to the minimum of nine additional units necessary for the minor.

# ***WOMEN'S STUDIES COURSES***

## ***Lower-Division***

### **POL 190 (4) THE POLITICS OF RACE, CLASS, AND GENDER**

An introduction to politics, using an interdisciplinary approach to contemporary controversies surrounding issues of ethnicity, socioeconomic class and gender. This course includes historical, legal, and political perspectives. Offered every fall.

## ***Upper-Division***

### **COM 312 (3) GENDER AND COMMUNICATION**

A study of how the self-perception of men and women evolves as a function of cultural influences and the differences and similarities in the way each uses communication patterns. Summers only.

### **ECO 440 (2) RACIAL AND GENDER ISSUES IN ECONOMICS AND EDUCATION**

A study of social issues pertaining to race and gender in economics and education. The economic status of different races and genders is examined, and the impact of educational opportunity on races, genders and economic status are discussed. The extent to which discrimination inhibits educational opportunity and economic status is considered.

*Prerequisite: Junior or Senior standing.*

*Recommended: Economics 102 or Education 300.*

### **FCS 340 (2) NUTRITION OF WOMEN'S WELL-BEING**

A survey of current evidence-based nutrition principles and guidelines corresponding to gender differences in health. Topics discussed include prevention of cardiovascular disease, diabetes, cancers, and osteoporosis in women as well as special needs in pregnancy/lactation, menopause and weight management. Computer applications. Offered every year.

### **HIS 475 (4) TOPICS IN WOMEN'S HISTORY**

This seminar explores themes in the field of women's history. Women's roles and historical contributions, the context of gender relations, and methodologies of social and intellectual history are studied within a specific era or topic in American or World history.

### **LIT 437 (3) WOMEN WRITERS**

Considers women writers from a specific chronological period from the Middle Ages up through the 20th century. The time period, themes and genres considered vary from year to year. The course focuses on questions related to gender, class, and race.

*Recommended: Literature 250.*

### **NSG 446 (3) HEALTH OF WOMEN IN A MULTICULTURAL WORLD**

Explores the relationships between society, culture, environment, the health of women and the health care services women receive. The approach is global or international in perspective. Participants are expected to research their own cultural heritage and describe what impact this heritage has on personal health expectations and use of health care services in American society.

### **NSG 447 (3) FAMILY VIOLENCE**

A course examining the incidence of a broad range of abuse and neglect in society. The course covers both physical and sexual abuse as well as neglect in children from birth to adolescence, date rape, spousal abuse, and abuse of the elderly. The course examines causes, assessment criteria, current treatment approaches, requirements for reporting, and long-term effects on children, families, and society.

### **POL 330 (4) DEVELOPMENT OF FEMINIST THOUGHT**

A survey of the development of various strands of feminist thought, and engagement in current conversations within and about feminism.

### **POL 415 (4) WOMEN AND POLITICS**

An examination of women's role in political life. The content includes analysis of gender as a legitimate category of political inquiry, gender-based social movements, women's political participation, and the impact of political systems and public policy on women.

### **THE 310 (3) WOMEN IN CHRISTIANITY**

A study of issues related to women in the Bible and Christianity, including women's spiritual biographies, the use of gender-inclusive language, the ordination of women into ministry, women in the Wesleyan/holiness tradition, and feminist and liberation theologies.

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**Nancy M. Hardison**, Ph.D., 1998

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*Librarian Emeritus*

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**Maxine E. Walker**, Ph.D., 2008  
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**Professor of Communication**  
 B.A., Trevecca Nazarene College;  
 M.A., University of Cincinnati;  
 Ph.D., University of Kansas.

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**David A. Adey**, M.F.A. (2003)  
**Associate Professor of Art**  
 B.A., Point Loma Nazarene University;  
 M.F.A., Cranbrook Academy of Art.

**Senyo Adjibolosoo**, Ph.D. (2000)  
**Professor of Economics**  
 B.A., University of Ghana;  
 M.A., York University;  
 Ph.D., Simon Fraser University;  
 Ed.S., Point Loma Nazarene University.

**Laura K. Amstead**, Ed.D. (1998)  
**Professor of Education**  
 B.A., Pasadena College;  
 M.A., University of La Verne;  
 Ed.S., Point Loma Nazarene College;  
 Ed.D., Northern Arizona University.

- Dianne L. Anderson, Ph.D. (2005)**  
**Professor of Biology**  
**Director, Biology Graduate Program**  
 B.S., Northwest Nazarene College;  
 M.S., San Diego State University;  
 Ph.D., University of California, San Diego and  
 San Diego State University.
- Theodore J. Anderson, Ph.D. (1986)**  
**Professor of Kinesiology**  
 A.B., Point Loma College;  
 M.Ed., College of Idaho;  
 Ph.D., Texas A & M University.
- Jerry L. Arvin, M.S. (1994)**  
**Assistant Professor of Physical Education**  
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 M.S., Butler University.
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**Director, Fermanian Business Center**  
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 M.A., Mennonite Brethren Biblical Seminary;  
 J.D., San Joaquin College of Law.
- Sue Crider Atkins, Ph.D. (2002)**  
**Professor of Journalism**  
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 M.A., Ph.D., University of Alabama, Tuscaloosa.
- Margaret T. Bailey, Ph.D. (2000)**  
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 M.B.A., University of California, Berkeley;  
 Ph.D., University of Southern California.
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**Associate Professor of Sociology**  
 B.A., University of California, Irvine;  
 M.A., California State University, Fullerton;  
 M.P.H., University of California, Berkeley;  
 Ph.D., University of California, San Francisco.
- Paul R. Bassett, M.F.A., J.D. (1978)**  
**Professor of Communication and Theatre**  
**Chair, Department of Communication**  
**and Theatre**  
 A.B., Pasadena College;  
 M.F.A., Trinity University;  
 J.D., Southern Methodist University.
- Linda M. Beail, Ph.D. (1994)**  
**Professor of Political Science**  
**Director, Margaret Stevenson Center for Women's Studies**  
 B.A., Wheaton College;  
 Ph.D., University of Iowa.
- Keith R. Bell, Ph.D. (1992)**  
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**Professor of Spanish**  
 B.A., Eastern Nazarene College;  
 M.A., Texas Tech University;  
 Ph.D., University of Oklahoma.

- Scott M. Bennett**, Ph.D. (2007)  
**Assistant Professor of Spanish**  
 B.A., San Diego State University;  
 M.A., San Diego State University;  
 Ph.D., University of California, Santa Barbara.
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**Visiting Assistant Professor of Religion**  
 B.A., Point Loma Nazarene University;  
 M.A., Nazarene Theological Seminary  
 M.Div., Nazarene Theological Seminary.
- Carrie Black**, M.S. (2009)  
**Assistant Professor of Nursing**  
 B.S.N., California State University, Long Beach;  
 M.S., University of Phoenix.
- Carol A. Blessing**, Ph.D. (1993)  
**Professor of Literature**  
**Chair, Department of Literature, Journalism, and Modern Languages**  
 B.A., Messiah College;  
 M.A., California State University, Los Angeles;  
 Ph.D., University of California, Riverside.
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**Associate Professor of Business**  
 B.S., San Diego State University;  
 M.B.A., University of Southern California.
- Philip D. Bowles**, Ph.D. (1980)  
**Professor of English**  
 A.B., Trevecca Nazarene College;  
 M.A., Middle Tennessee State University;  
 Ph.D., Claremont Graduate School and San Diego State University.
- Leanne T. Burke**, M.S.N. (2006)  
**Assistant Professor of Nursing**  
 B.S., University of San Francisco;  
 M.S.N., San Diego State University.
- Jongbok Byun**, Ph.D. (2004)  
**Associate Professor of Information Systems**  
 B.A., Sogang University, Seoul, Korea;  
 M.S., The Graduate School of Sogang University;  
 Ph.D., Claremont Graduate University.
- Rita R. Callahan**, Ph.D., R.N. (2006)  
**Associate Professor of Nursing**  
 B.S.N., San Diego State University;  
 M.S., University of Phoenix, San Diego  
 Ph.D., University of San Diego.
- Lorinda J. Carter**, Ph.D. (2002)  
**Professor of Mathematics and Computer Science**  
 B.A., Point Loma Nazarene University;  
 M.S., California State University, Northridge;  
 Ph.D., University of California, San Diego.
- Elizabeth A. Chamberlain**, M.A. (2007)  
**Assistant Professor of Education**  
 B.A., Point Loma Nazarene University;  
 M.A., Point Loma Nazarene University.
- Jerry R. Childs**, M.A. (2006)  
**Assistant Professor of Education**

B.A., Pasadena Nazarene College  
M.A., Point Loma Nazarene College

**Sara Yu Chung**, Ph.D. (2004)  
**Associate Professor of Chemistry**  
B.S., Massachusetts Institute of Technology;  
Ph.D., University of California, Berkeley.

**Conni C. Cintas**, Ed.D. (2007)  
**Professor of Education**  
B.A., University of San Diego;  
M.Ed., University of San Diego;  
Ed.D., University of La Verne.

**William P. Clemmons**, Ph.D. (1996)  
**Professor of Music**  
B.M., University of Louisville;  
M.A., Queens College;  
Ph.D., City University of New York.

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# ***ACCREDITATION AND MEMBERSHIPS***

Point Loma Nazarene University is accredited by the Western Association of Schools and Colleges (WASC), for which it periodically completes a self-study that addresses recognized standards and principles of excellence.

**WASC may be contacted at 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, or by telephone at (510) 748-9001.**

In addition, Point Loma Nazarene University has gained professional and program accreditation from the following agencies:

*American Dietetic Association  
Association of Collegiate Business Schools and Programs  
California Board of Registered Nursing  
California Commission on Teacher Credentialing  
Commission on Accreditation of Athletic Training Education  
Commission on Collegiate Nursing Education  
National Association of Schools of Music*

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Point Loma Nazarene University and individual faculty members hold membership in the following organizations:

*Academy of Management  
African Studies Association  
Alpha Psi Omega, Theatre Honor Fraternity  
American Academy of Religion  
American Anthropological Association  
American Association for Higher Education  
American Association for the Advancement of Science  
American Association of Christian Counselors  
American Association of Colleges for Teacher Education  
American Association of Colleges of Nursing  
American Association of Family and Consumer Sciences  
American Association of Health, Physical Education, Recreation and Dance  
American Association of Presidents of Independent Colleges and Universities  
American Chemical Society  
American Choral Directors Association  
American College Health Association  
American College of Nurse-Midwives  
American College of Sports Medicine  
American College Personnel Association  
American Conference of Academic Deans  
American Council on Education  
American Counseling Association  
American Dietetic Association  
American Economic Association  
American Educational Research Association  
American Historical Association  
American Institute of Certified Public Accountants  
American Library Association  
American Marketing Association  
American Mathematical Society  
American Physical Society  
American Political Science Association  
American Psychological Association  
American School Counselors' Association  
American Scientific Affiliation  
American Sociological Association  
American Studies Association  
Associated Writing Programs  
Association for Christians in Student Development  
Association for Christians in the Mathematical Sciences  
Association for Institutional Research  
Association for Psychological Science  
Association for Supervision and Curriculum Development  
Association for Women in Mathematics*

Association for Women's Health and Neonatal Nurses  
 Association of American Colleges and Universities  
 Association of California Nurse Leaders  
 Association of California School Administrators  
 Association of Christian Economists  
 Association of Christian Librarians  
 Association of Christian Schools International  
 Association of Christian Schools International Administrators  
 Association of College and Research Libraries  
 Association of Computing Machinery  
 Association of Governing Boards of Universities and Colleges  
 Association of Independent California Colleges and Universities  
 Association of the United States Army  
 Broadcast Education Association  
 Bronte Society  
 California Academic and Research Libraries  
 California Association for Resource Specialists and Special Education Teachers  
 California Association of Bilingual Educators  
 California Association of Colleges for Teacher Education  
 California Association of Colleges of Nursing  
 California Association of Health, Physical Education, Recreation and Dance  
 California Association of Professors of Education Administration  
 California Association of Teachers of English  
 California Clinical Nurse Specialist Network  
 California College Health Nurses Association  
 California Council on Education of Teachers  
 California Council on Teacher Education  
 California Psychological Association  
 California Society of Certified Public Accountants  
 California Sociological Association  
 Catholic Biblical Association of America  
 Charles Wesley Society  
 Christian Association for Psychological Studies  
 Christian Business Faculty Association  
 Christian Holiness Partnership  
 Christian Library Consortium  
 Christians in the Visual Arts  
 College and University Personnel Association  
 College Music Society  
 Collegiate Media Advisors  
 Commission on Accreditation of Allied Health Education Programs  
 Committee on the Status of Women in the Economics Profession  
 Conference on Faith and History  
 Council for Christian Colleges and Universities  
 Council for Higher Education  
 Council for the Advancement and Support of Education  
 Council for Undergraduate Research  
 Council of Administrators of Family and Consumer Sciences  
 Council of Independent Colleges  
 Council on Social Work Education  
 Credential Counselors and Analysts of California  
 Direct Marketing Association  
 Family and Consumer Sciences Education Association  
 Golden State Athletic Conference  
 Institute of Management Accountants  
 International Association for Jazz Education  
 International Network for Social Network Analysis  
 International Reading Association  
 Learning Disabilities Association  
 Marian Association of Helpers  
 Mathematical Association of America  
 Modern Languages Association  
 Music Educators National Conference  
 Music Teachers National Association  
 NAFA: Association of International Educators  
 National Association for Education of Young Children  
 National Association for Research in Science Teaching

*National Association of Branch Campus Administrators*  
*National Association of Church Musicians*  
*National Association of Christians in Special Education*  
*National Association of Christian Social Workers*  
*National Association of Clinical Nurse Specialists*  
*National Association of Evangelicals*  
*National Association of Foreign Student Advisors*  
*National Association of Independent Colleges and Universities*  
*National Association of Intercollegiate Athletics*  
*National Association of Schools of Music*  
*National Association of Social Workers*  
*National Association of Student Personnel Administrators*  
*National Athletic Trainer's Association*  
*National Career Development Association*  
*National Council of Teachers of English*  
*National Organization of Scholars*  
*National Parliamentary Debate*  
*National Science Teachers Association*  
*National Society of Hispanic MBA's*  
*National Strength and Conditioning Association*  
*National Women's Studies Association*  
*Nazarene Association of Colleges for Teacher Education*  
*North American Association of Christians in Social Work*  
*North American Christian Foreign Language Association*  
*Nurses Serves Organization*  
*Nursing Christian Fellowship (Intervarsity)*  
*Pacific Sociological Association*  
*Psi Chi, Honor Society in Psychology*  
*Phi Delta Lambda, Alpha Chapter of the Nazarene Honor Society*  
*Phi Kappa Delta*  
*Phi Kappa Phi*  
*Phi Upsilon Omicron*  
*San Diego/Imperial County Libraries Disaster Response Network*  
*Shakespeare Association of America*  
*Sigma Theta Tau, International Honor Society for Nursing (Zeta Mu Chapter)*  
*Society for Applied Anthropology*  
*Society for Christian Ethics*  
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*Society for the Study of Psychology and Wesleyan Theology*  
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*Society of Biblical Literature*  
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*TASH: Equity, Opportunity, and Inclusion for People with Disabilities*  
*The Association of Departments of English*  
*The Association of Independent Liberal Arts Colleges for Teacher Education*  
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# *STATISTICS*

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