



Academic Departments and Programs



Nursing

College of Health and Human Development

INTRODUCTION

The Bachelor of Science in Nursing is designed to provide students with knowledge, skills, and attitudes necessary for the performance of the professional nursing role and characteristics of the generally educated person. The program prepares a nursing generalist who can provide care within a framework of scientific and professional accountability, and can function independently in a variety of health care settings. The program provides students with the necessary foundation for graduate education and specialization and promotes and fosters commitment to lifelong learning for personal and professional growth.

The Master of Science in Nursing provides nurses with the foundation and capability to function independently in a variety of health care settings and provide care within a framework of scientific and professional accountability.

Student clinical placements in accredited agencies require cleared status on background checks. All programs are accredited by the Commission on Collegiate Nursing Education (CCNE).

LEARNING GOALS AND STUDENT LEARNING OUTCOMES

Bachelor of Science in Nursing

The following goals and learning outcomes have been established for students pursuing a bachelor's degree in Nursing:

Ethics

- Engages in ethical reasoning and actions to promote advocacy, collaboration, social justice and leadership as healthcare professionals

Professional Practice

- Demonstrates accountability for self and nursing practice, including continuous engagement in and in life-long learning

Evidence-Based Practice

- Improves patient health outcomes by accessing, analyzing and interpreting information (theoretical, research, other) at the individual/family and community level

Critical Thinking

- Uses a systematic approach to analyze real or potential problems for the purpose of developing, testing and evaluating innovative solutions within a variety of health care settings

Communication

- Uses communication theories/techniques and demonstrates communication/collaboration with colleagues, transdisciplinary groups, including the use of informatics, to promote relationships with individuals/families and communities

SCHOOL DIRECTOR

Cindy Greenberg

SCHOOL OFFICE/WEBSITE

Education Classroom Building 190

657-278-3336

<http://nursing.fullerton.edu/>

PROGRAMS OFFERED

Bachelor of Science in Nursing

Entry-Level BSN

RN to BSN

Master of Science in Nursing

Entry-Level MSN

Accelerated RN to Master's Degree Program (RN to MSN)

Concentrations in Nursing

Leadership, Nurse Anesthetist, Nurse

Educator, School Nursing, Women's

Health Care

FACULTY

Nancy Ahern, Sadeeka Al-Majid,

Jo-Anne Andre, Rebecca Cross,

Barbara Doyer, Maryanne Garon, Nina

Ghazae, Cynthia Grauvogl, Cindy

Greenberg, Barbara Haddad, Paula

Herberg, Judy Hervey, Sandra James,

MaryAnn Kelly, Judith Kerns, Christine

Latham, Ruth Mielke, Vanessa Miller,

Beth Moore, Marsha Orr, Rebecca

Otten, Karen Ringl, Sue Robertson,

Elaine Rutkowski, Dana Rutledge,

Nita Slater, B. J. Snell, Katherine Tong,

Stephanie Vaughn, Penny Weismuller,

Mary Wickman

Kaiser Permanente School of Anesthesia Faculty:

Sandy Bordi, Michael Boytim, Sass

Elisha, Jeremy Heiner, John Nagelhout,

Jennifer Thompson, Edward Waters

Manager of Care

- Designs empathetic and coordinated patient care based upon principles of quality and safety

Master of Science in Nursing

The following goals and learning outcomes have been established for students pursuing a master's degree in Nursing:

Ethics

- Evaluate ethical decision making from a personal and organizational perspective, develop an understanding of how these two perspectives may create conflict of interest, and act to resolve them

Professional Practice

- Integrate a wide range of theories and knowledge from nursing and other disciplines to develop a comprehensive and holistic approach, implement advanced roles, and continue life-long learning

Evidence Based Practice

- Access, analyze, and interpret information (theoretical, research, other) at the individual/family and community level to provide high quality health care, initiate change, and improve nursing practice and health care outcomes

Critical Thinking

- Use a systematic approach to identify, analyze and diagnose real or potential problems with a variety of health care settings, and develop, evaluate and test possible solutions based upon highest level of evidence available, allowing for innovative solutions to the problem

Communication

- Manage communication, including the uses of informatics, with clients, colleagues, and diverse groups to foster effective collaboration to promote optimal health outcomes in individuals/families/communities

BACHELOR OF SCIENCE IN NURSING (127, 123 UNITS)

The baccalaureate curriculum offers entry-level students and registered nurses with an associate degree in nursing (or its equivalent) an upper-division program leading to a Bachelor of Science degree with a major in nursing. Graduates are eligible for certification as public health nurses in the State of California.

The baccalaureate program is accredited by the Commission on Collegiate Nursing Education (CCNE).

ENTRY-LEVEL BACCALAUREATE PATHWAY (127 UNITS)

The entry-level baccalaureate (EL-BSN) curriculum offers students who are not registered nurses (RNs) a pathway to a Bachelor of Science degree with a major in nursing. Graduates are eligible for certification as public health nurses in the State of California. The EL-BSN program is approved by the California Board of Registered Nursing.

Admission Requirements

Meet requirements for admission to the university. Completion of the following prerequisites with a "C" (2.0) or better: Math, English, Critical Thinking, Speech/Communication, Anatomy and Physiology (with laboratory), Microbiology (with laboratory), and Chemistry: Inorganic, Organic, and Biochemistry (with laboratory). Sciences have a recency requirement of five years.

Admission Procedures

Admission to the EL-BSN pathway is a two-step process. The first step requires application to the university. Students are accepted into the nursing program once a year in the fall semester only. The university sets deadlines for new applications. For current deadlines, see the Admissions website at www.fullerton.edu/admissions.htm.

- Attend a mandatory information session (registration information is available at <http://nursing.fullerton.edu>)
- Submit a university application, available at www.csumentor.edu and an official transcript of all previous college work
- After completing prerequisite courses, submit a nursing application form to the School of Nursing Office (EC-190) with an official transcript of all previous college work (application available at <http://nursing.fullerton.edu>)
- Admission to the university as a pre-nursing student does not guarantee admission to the EL-BSN major (This program has impacted status which means that more applications are received than spaces available)
- Applications are screened using supplemental admission criteria including pre-requisite course completion, minimum GPA requirement, TEAS (Test of Essential Academic Skills) examination, application/volunteer work experience, and residency. Information about TEAS testing dates and times is available at <http://nursing.fullerton.edu>
- Once accepted into the program, students are required to have professional liability insurance, a clear criminal background check, current health insurance, current American Heart CPR certification for healthcare providers, and must meet the health requirements of the university and assigned clinical agencies

Requirements for Degree

Degree requirements consist of a specific combination of prerequisites, general education, and other nursing courses. The following courses are required for the EL-BSN nursing major: NURS 321, 321L, 322, 323, 324, 400, 402, 402L, 403, 403L, 404, 404L, 405, 405L, 406, 406L, 407, 407L, 410, 410L, 411, 411L, 450, 412L

RN TO BSN PATHWAY (123 UNITS)

Admission Requirements

1. Meet requirements for admission to the university as a transfer student for the BSN completion program;
2. completion of an associate degree in nursing or its equivalent;

3. current licensure as a registered nurse in California or eligibility for licensure;
4. completion of one college level course in each of the following: anatomy (with laboratory), physiology (with laboratory), chemistry (with laboratory), microbiology (with laboratory), psychology, and sociology or anthropology. A minimum grade of "C" (2.0) must be attained in each course; and
5. completion of one year of satisfactory work experience as a registered nurse is recommended.

Admission Procedures

Students are accepted into the nursing program twice each year, in the fall and spring semesters. The University sets deadlines for new applications. For current deadlines, see the Admissions website at <http://www.fullerton.edu/admissions.htm>.

- Submit a university application (available at www.csumentor.edu) and an official transcript of all previous college work to the Office of Admissions and Records
- Submit a nursing application form to the School of Nursing Office (EC-190) with a transcript copy of all previous college work and two letters of reference from current or previous employers or instructors
- Check with the School of Nursing website for application deadlines and required documents
- Once accepted into the program, students must have current California R.N. licensure, professional liability insurance, a clear criminal background check, current American Heart CPR certification for healthcare providers, and must meet the health requirements of the university and assigned clinical agencies

Requirements for the Degree

The 123 units consist of a specific combination of prerequisites, general education, nursing, and elective courses. NURS 302 is required as the first course.

The following courses are required for the nursing major: NURS 300, 302, 305, 305L, 307, 320, 353, 355, 355L, 357, 400, 402, 402L, 450, 452, and 452L Total: 44 units. Nine additional units of CSUF upper-division general electives are required to complete upper-division, in-residence units. A three-unit statistics course, with multivariate, inferential, parametric content, is included as a required course and meets upper-division G.E. requirements for the BSN degree.

All students must complete the university upper-division baccalaureate writing requirement, which includes the Examination in Writing Proficiency. NURS 305 and NURS 305L are approved as meeting the upper-division writing course requirement.

MASTER OF SCIENCE IN NURSING

The Master of Science degree in Nursing (MSN) prepares students for a specialty focus to expand their career options. The MSN program is designed to foster interdisciplinary collaborative skills

and independent functioning within a focused specialty area, called an MSN concentration. Current MSN concentrations are: Nursing Leadership, Nurse Anesthetist, School Nursing, Nurse Educator and Women's Health Care. Within the Women's Health Care concentration, students will choose an emphasis as either a nurse midwife or women's health care nurse practitioner. The Nursing Leadership, School Nursing and Women's Health Care concentrations are flexible, allowing for either full-time or part-time study. The Nurse Anesthetist concentration follows a set full-time schedule. High quality resources, both on and off campus, are available for the MSN concentrations.

Application Deadlines

The Graduate Nursing program accepts applications for the fall semester only.

University Application

The application period opens the previous Oct. 1, and closing date depends on enrollment across the campus. It is best to apply as soon as applications are open. Applications may be accessed online at: <http://www.csumentor.edu/AdmissionApp/>.

School of Nursing Application Deadlines

For the EL-MSN program, deadlines are posted in early Fall for the next application cycle. The Nurse Anesthetist concentration accepts applications Nov. 1-30. All other concentrations have a priority deadline of Dec. 1. Applications received after that date will be considered on a space available basis until the program is full or the university closes admissions.

Admission Requirements and Procedures

School of Nursing admission requirements and application procedures vary by program and concentration; each MSN concentration has a detailed information/application packet describing these. The packets guide applicants through both School of Nursing and university application procedures, and can be found on the school's website: <http://nursing.fullerton.edu>.

For those interested in the nurse anesthetist concentration, additional information (an online information session and print materials) please visit: <http://www.kpsan.org>.

NURSING LEADERSHIP CONCENTRATION (42 UNITS)

The Nursing Leadership concentration is offered as campus-based and online formats, utilizing distance methodologies. Community-based mentors are contracted to work with students in practicum settings. In consultation with an advisor, mentors and practicum sites are matched to students' individual interests and goals. The Nursing Leadership concentration includes a project or thesis, and is offered on a part-time or full-time schedule basis.

Core Requirements (13 units)

- NURS 501 Theoretical Perspectives for Nursing Practice (3)
- NURS 505A Nursing Research and Evaluation for Practice (3)
- NURS 505B Research Seminar and Evidence-Based Practice (3)

NURS 507 Advanced Decision Making: Nursing Issues Seminar (3)

NURS 507L Advanced Decision Making: Nursing Issues Lab (1)

Concentration Requirements (22 units)

NURS 508 Advanced Nursing: Vulnerable Populations (3)

NURS 508L Advanced Nursing: Vulnerable Populations Lab (1)

NURS 511 Theoretical Basis of Leadership and Organizations in Nursing (3)

NURS 513 Nursing Service Economics (3)

NURS 514 Nursing Service Leadership Practicum I (3)

NURS 515A,B Nursing Service Leadership Practicum II A,B (3,3)

Electives (6 units)

Two courses in areas supportive of student's focus of study, chosen in consultation with the graduate program adviser.

Thesis/Project Option (4 units)

NURS 597A,B Project (2,2)

OR NURS 598A,B Thesis (2,2)

Certificate in Instructional Design and Technology

Students in the MSN Nursing Leadership blended model, utilizing distance methodologies concentration, may elect three additional courses (9 units) and gain a certificate in Instructional Design and Technology. This certificate will be offered in collaboration with the Department of Education, requires a separate application and is tailored to prepare nursing leaders with basics in instructional design and technology, instructional approaches, and computer-based design principles.

IDT 520 Instructional Design Issues for Technology-Based Instruction (3)

IDT 525 Instructional Approaches in Learning and Cognition (3)

IDT 530 Planning, Designing, and Evaluating Technology-based Instruction (3)

ACCELERATED RN TO MASTER'S DEGREE PROGRAM (RN TO MSN)

Nursing Leadership Concentration

The School of Nursing offers the Accelerated RN to Master of Science in Nursing (RN to MSN) Program for students wishing to pursue a master's in nursing leadership. Although students may decide to apply to other concentrations toward the end of their BSN studies, that is an open competitive process and there are no guarantees of admission. Additionally, the added coursework in the other concentrations extends the course of study.

The RN to MSN Program is specifically for registered nurses wishing to advance their careers through an accelerated program of study combining undergraduate (BSN) and graduate (MSN) level courses leading ultimately to a Master of Science Degree in Nursing; Nursing Leadership concentration, and including eligibility for certification in public health nursing in the State of California. Three of

the undergraduate nursing courses (nine units total) – NURS 300, 400, 450 – are waived and replaced by their graduate-level counterparts – NURS 501, 505A, 507, 507L – as part of the accelerated program. Accelerated students will complete modified assignments in other nursing courses to ensure they possess the prerequisite knowledge and skills from the waived courses to progress through the program as well as be prepared to take the graduate courses. Course offerings allow for full-time or part-time study.

Admission Procedures

Applications for admission to the RN to MSN Program are accepted only for the fall semester. Admission to the program is contingent upon School of Nursing approval.

Requirements for Progression to the Master's program:

1. BSN completion program regulations are applicable (see previous page);
2. completion of all accelerated baccalaureate level course requirements: NURS 302, 305, 305L, 307, 320, 353, 355, 355L, 357, SOCI 303, NURS 402, 402L, 452, 452L, six additional units of upper-division General Education with a grade of "C" (2.0) or higher and NURS 501, 505A, 507, 507L, with a grade of "B"(3.0) or higher;
3. maintain a GPA of 3.0 or higher; and
4. upon completion of the above-listed BSN degree requirements, students apply to the University to enter the Master of Science in Nursing program and begin the University graduate courses beyond those taken as an undergraduate student. Students who enroll in the MSN through this accelerated program pay the same graduate level fees as all other master's students.

Requirements for Completion of the Master's Degree

The following courses are required to complete the program in Nursing Leadership: NURS 505B, 508, 508L, 511, 513, 514, 515A,B, and 597A,B or 598A,B and six elective units approved by the graduate adviser.

NURSING LEADERSHIP CONCENTRATION: EL-MSN CLINICAL PATHWAY

A pathway to the Master of Science Degree in Nursing, called the entry-level (EL-MSN) pathway, is available for students who are not registered nurses (RNs). Students progress through foundational nursing coursework, graduate coursework for the EL-MSN pathway, and then are awarded a Master of Science degree in Nursing. Once accepted to the EL-MSN pathway, students enroll in foundational nursing courses in the areas of Medical-Surgical, Maternal/Child, Mental Health/Psychiatric, Geriatric, and Community-based nursing. These courses provide the theoretical and clinical experiences necessary to qualify students for RN licensure and include the following: NURS 321, 321L, 322, 323, 324, 402, 402L, 403, 403L, 404, 404L, 405, 405L, 406, 406L, 407, 407L, 410, 410L, 411, and 411L. Following completion of nursing courses students are eligible to take the National Council Licensure Examination for

RNs (NCLEX-RN). Successful completion of the NCLEX provides students with the license required to practice professional nursing as a RN. Additional graduate courses (38 units) in the major complete the requirements for the MSN degree. Graduates are eligible for certification as public health nurses in the State of California.

Core Requirements (13 units)

NURS 501 Theoretical Perspectives for Nursing Practice (3)
NURS 505A Nursing Research and Evaluation for Practice (3)
NURS 505B Research Seminar and Evidence-Based Practice (3)
NURS 507 Advanced Decision Making: Nursing Issues Seminar (3)
NURS 507L Advanced Decision Making: Nursing Issues Lab (1)

Concentration Requirements (21 units)

NURS 508 Advanced Nursing: Vulnerable Populations (3)
NURS 508L Vulnerable Populations Lab (1)
NURS 511 Theoretical Basis of Leadership Organization (3)
NURS 513 Nursing Service Economics (3)
NURS 514 Nursing Services Administration Practicum I (3)
NURS 540 Advanced Pathophysiology for Nurses (2)
NURS 542 Advanced Health Assessment (2)
NURS 542L Advanced Health Assessment Lab (1)
NURS 552 Advanced Pharmacology (3)

Thesis/Project Option (4 units)

NURS 597 A, B Project (2,2)
OR NURS 598 A, B Thesis (2,2)

NURSE ANESTHETIST CONCENTRATION (71 UNITS)

In the Nurse Anesthetist concentration, Cal State Fullerton's School of Nursing has a strong partnership with the Kaiser Permanente School of Anesthesia. All nurse anesthetist specialty seminars, lectures and lab courses are held at Kaiser Permanente and affiliated clinical sites utilizing state-of-the-art facilities.

The Nurse Anesthetist concentration requires full-time study, including a project or comprehensive exam. Clinical hours are based on competency guidelines from the Kaiser Permanente School of Anesthesia.

Core Requirements (15 units)

NURS 501 Theoretical Perspectives for Nursing Practice (3)
NURS 505A Nursing Research and Evaluation for Practice (3)
NURS 505B Research Seminar and Evidence-Based Practice (3)
NURS 507 Advanced Decision Making: Nursing Issues Seminar (3)
NURS 507L Advanced Decision Making: Nursing Issues Lab (3)

Concentration Requirements (52 units)

NURS 580 Advanced Pharmacology for Anesthesia I (3)
NURS 581 Anesthesia Basic Principles and Health Assessment (3)

NURS 582 Anesthesia Advanced Principles (4)
NURS 584 Advanced Pharmacology for Anesthesia II (3)
NURS 585L Nurse Anesthesia Practicum I (2)
NURS 586 Pediatric and Obstetric Anesthesia (3)
NURS 587L Nurse Anesthesia Practicum II (5)
NURS 588 Advanced Physiology/Pathophysiology for Anesthesia I (4)
NURS 589L Nurse Anesthesia Practicum III (7)
NURS 590 Advanced Physiology/Pathophysiology for Anesthesia II (4)
NURS 591L Nurse Anesthesia Practicum IV (7)
NURS 593L Nurse Anesthesia Practicum V (7)

Thesis/Project/Comp Option (4 units)

NURS 596A,B Comprehensive Exam (2,2)
OR 597A,B Project (2,2)
OR NURS 598A,B Thesis (2,2)

NURSE EDUCATOR CONCENTRATION

The Nurse Educator concentration focuses on a synthesis of nursing and educational theory, research knowledge and instructional approaches to learning. Students obtain experience through supervised practice in utilizing theory and research in university, community college, institutional or community settings. Foundation or core courses in the MSN/Nurse Educator program address theoretical concepts, ethical and legal aspects of decision-making, use of evidence-based practice, instructional design, development and evaluation of nursing curricula, and insight into vulnerable population issues. All students complete a project or thesis at the end of their studies.

Clinical fieldwork in the concentration consists of supervised learning experiences working with preceptors in academic, institutional and community settings, either in academic areas, clinical education or community teaching programs. In order to experience the educator role, students are required to select a site where they have no direct reporting responsibility and to work under the supervision of a preceptor who also is not within a direct reporting relationship to the student in the workplace.

Core Requirements (13 units)

NURS 501 Theoretical Perspectives for Nursing Practice (3)
NURS 505A Nursing Research (3)
NURS 505B Seminar in Nursing Research Methods (3)
NURS 507/L Advanced Decision Making: Nursing Issues (3/1 lab)

Concentration Requirements (25 units)

NURS 508/L Advanced Nursing with Vulnerable Populations (3/1 lab)
NURS 510 Development and Evaluation of Nursing Curricula (3)
NURS 512 Instructional Design in Nursing Education (3)
NURS 516 Nurse Educator Practicum (3)
IDT 525 Instructional Approaches in Learning and Cognition (3)

Electives (9)

Thesis/Project/Comp Option (4 units)

NURS 597A,B Project (2,2)

OR NURS 598A,B Thesis (2,2)

SCHOOL NURSING CONCENTRATION

The School Nursing Concentration is part of the graduate program that prepares nurses to work in schools (pre-K through grade 12). The framework meets the requirements of the Commission of Collegiate Nursing Education (CCNE) accreditation guidelines and incorporates the National Association of School Nurses (NASN) Standards of Practice. It includes a credential in School Nurse Services (SNS) and the Special Teaching Authorization in Health (STAH) (both accredited by the California Commission on Teacher Credentialing). The program requires 24-58 total units, depending upon the student's prior degree(s) and credential objective.

Core Requirements

NURS 501 Theoretical Perspectives for Nursing Practice (3)

NURS 505A Nursing Research and Evaluation for Practice (3)

NURS 505B Research Seminar and Evidence-Based Practice (3)

NURS 507 Advanced Decision Making: Nursing Issues Seminar (3)

NURS 507L Advanced Decision Making: Nursing Issues Lab (1)

NURS 508 Advanced Nursing: Vulnerable Populations (3)

NURS 508L Advanced Nursing: Vulnerable Populations
Laboratory (1)

NURS 524 Advanced Health Assessment: Ambulatory Pediatrics (4)

NURS 526 Health Care of the Young Family (3)

NURS 529L Health Teaching Lab for School Nurses (1)

NURS 530 School Nurse Specialist I (3)

NURS 532 School Nurse Specialist II (3)

NURS 533L School Nurse Specialist Practicum (3)

NURS 534L Special Teaching Authorization in Health Practicum
– STAH (2)

Collateral Courses Required

EDSC 550 Instructional Strategies (3)

COUN 511 Pre-Practicum (3)

HCOM 461 Audiology and Audiometry (3)

HESC 455 Designing Health Education Curricula (3)

SPED 462 Practices and Procedures in Special Education (3)

Thesis/Project Option

NURS 597A, B Project (2,2)

OR NURS 598A, B Thesis (2,2)

WOMEN'S HEALTH CARE CONCENTRATION (54 UNITS)

The Women's Health Care concentration has two emphases: Nurse Midwifery and Women's Healthcare Nurse Practitioner. The Women's Health Care and the Family Nurse Practitioner concentration share some common advanced practice specialty core courses. In addition, WHC concentration courses are held at CSU, Fullerton and at clinical sites, with nurse midwives and nurse practitioners, throughout the region.

Nurse Midwifery Emphasis

Core Requirements (14 units)

NURS 501 Theoretical Perspectives for Nursing Practice (3)

NURS 505A Nursing Research and Evaluation for Practice (3)

NURS 505B Research Seminar and Evidence-Based Practice (3)

NURS 507 Advanced Decision Making: Nursing Issues Seminar (3)

NURS 507L Advanced Decision Making: Nursing Issues Lab (2)

Concentration Requirements (36 units)

NURS 508 Advanced Nursing: Vulnerable Populations (3)

NURS 508L Advanced Nursing: Vulnerable Populations Lab (2)

NURS 540 Advanced Pathophysiology: Clinical Implications for
Nurses (2)

NURS 542 Advanced Health Assessment (2)

NURS 542L Advance Health Assessment Lab (1)

NURS 544 Health Promotion/Disease Prevention (2)

NURS 546 Primary Care of Women I: Family Planning/
Gynecology (2)

NURS 548A Primary Care: Acute Problems I (2)

NURS 548L Advanced Practice Nurse Clinical Practicum II (3)

NURS 552 Pharmacology for Advanced Practice Nurses (3)

NURS 570 Basic Women's Health Assessment and Management I (2)

NURS 572 Basic Women's Health Assessment and Management II (2)

NURS 573A Internship in Basic Midwifery Practice (2)

NURS 574 Intermediate Women's Health Assessment and
Management I (2)

NURS 576 Intermediate Women's Health Assessment and
Management II (2)

NURS 577A Internship in Intermediate Nurse Midwifery Practice (2)

NURS 579A Advanced Women's Midwifery Internship (2)

Thesis/Project/Comp Option (4 units)

NURS 596A,B Comprehensive Exam (2,2)

OR NURS 597A,B Project (2,2)

OR NURS 598A,B Thesis (2,2)

Women's Health Care Nurse Practitioner Emphasis

Core Requirements (14 units)

- NURS 501 Theoretical Perspectives for Nursing Practice (3)
NURS 505A Nursing Research and Evaluation for Practice (3)
NURS 505B Seminar in Nursing Research (3)
NURS 507 Advanced Decision Making: Nursing Issues Seminar (3)
NURS 507L Advanced Decision Making: Nursing Issues Lab (2)
- #### *Concentration Requirements (36 units)*
- NURS 508 Advanced Nursing: Vulnerable Populations (3)
NURS 508L Advanced Nursing: Vulnerable Populations Lab (2)
NURS 540 Advanced Pathophysiology: Clinical Implications for Nurses (2)
NURS 542 Advanced Health Assessment (2)
NURS 542L Advance Health Assessment Lab (1)
NURS 544 Health Promotion/Disease Prevention (2)
NURS 546 Primary Care of Women I: Family Planning/Gynecology (2)
NURS 548A Primary Care: Acute Problems I (2)
NURS 548L Advanced Practice Nurse Clinical Practicum II (3)
NURS 552 Pharmacology for Advanced Practice Nurses (3)
NURS 570 Basic Women's Health Assessment and Management I (2)
NURS 573B Basic Women's Health Care Practicum (4)
NURS 574 Intermediate Women's Health Assessment and Management I (2)
NURS 577B Intermediate Women's Health Care Practicum (3)
NURS 579B Advanced Women's Health Care Practicum (3)

Thesis/Project/Comp Option (4 units)

- NURS 596A,B Comprehensive Exam (2,2)
OR NURS 597A,B Project (2,2)
OR NURS 598A,B Thesis (2,2)

NURSING COURSES

Courses are designated as NURS in the class schedule.

Note: All clinical nursing courses for the B.S. in Nursing require admission to the university and to the School of Nursing as a nursing major. The School of Nursing application, health care information listed under the "Bachelor of Science in Nursing" text above, and references are also required.

300 Nursing Theories: Basis for Professional Practice (3)

Prerequisite: admission to the B.S. in Nursing. Discussion and comparison of concepts and theories from nursing, humanities and science with emphasis on their significance to the practice of professional nursing. Philosophy and conceptual framework of the nursing program and use of theory in the nursing process.

302 Assessment and Planning for Nursing Scholarship (2)

Required as first course in the RN to BSN program. Comprehensive assessment of personal learning style, social support skills and cognitive and technical nursing skills of first semester BSN students. Initial development program portfolio, including an individualized learning plan that builds on assessment results and personal learning goals. Internet access required. Letter grade or Credit/No Credit.

305 Professional Nursing I (3)

Pre- or corequisites: junior standing, NURS 300, 302 and consent of instructor. NURS 305L must be taken concurrently. Professional nursing role, communication and the nursing process. Psycho-social concepts relative to health of the individual. Influence of culture, role, social support and values evaluated. Meets undergraduate writing requirement.

305L Professional Nursing I: Laboratory (2)

Pre- or corequisites: junior standing, NURS 300, 302 and consent of instructor. NURS 305 must be taken concurrently. Interaction and socialization into the professional role. Students utilize the nursing process and explore psycho-social-spiritual-cultural risks to health. Facilitates competence in critical thinking, evaluation and writing. Meets undergraduate writing requirement. One or more sections offered online. (6 hours seminar/lab per week)

306 Health and Safety in Early Childhood (3)

Prerequisites: nursing majors, RN license or NURS 307; child and adolescent studies majors, CAS 101. Preventive measures for childcare professionals to promote safe, healthy environment at home, play or group care. Prepares individuals who supervise and care for young children to recognize, differentiate and respond to common safety hazards, illnesses and injuries.

307 Health Promotion: Parent-Child Nursing (3)

Prerequisite: admission to the B.S. in Nursing. Theories and issues important in parent-child nursing. Specific nursing interventions useful in promoting health relative to developmental change. Topics include genetic counseling, parent-child bonding, sexuality, adaptation patterns from conception through adolescence and cultural determinants. One or more sections offered online.

320 The Process of Teaching in Nursing (2)

Prerequisites: NURS 300, 305, 305L. Nursing knowledge and skills in clinical teaching situations with individuals, families and groups. Theories and principles of learning, teaching strategies and methodologies, teaching resources and evaluation of instruction.

321 Health Assessment for Professional Practice (3)

Prerequisites: admission to prelicensure pathway to the bachelor's or master's program in Nursing; concurrent enrollment in NURS 321L. Health assessment across the lifespan. Basic knowledge and skills necessary to perform assessments, including interviewing, history taking and foundational physical assessment skills are acquired. Developmental and culturally competent assessment skills and ability to recognize deviations from normal.

321L Health Assessment for Professional Practice Laboratory (1)

Prerequisites: admission to prelicensure pathway to the bachelor's or master's program in Nursing; concurrent enrollment in NURS 321. Practice history taking, physical examination techniques and risk identification on peers during supervised campus laboratory sessions. Application of skills and techniques acquired to intervene and reduce risks and/or promote health with individual clients during clinical laboratory.

322 Concepts of Professional Nursing (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing. Professional nursing role within the health care environment, including nursing theory and interpersonal communication. Theory and evidence-based nursing practice. Influence of culture and professional values on the role of the professional nurse. Meets undergraduate writing requirements.

323 Integrated Pathophysiology and Pharmacology (5)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing. Normal physiology and anatomy, altered physiologic states and nursing management of selected pathophysiologic disorders and diseases. Core drug knowledge, pharmacotherapeutics, pharmacodynamics and pharmacokinetics. Drug classifications by categories affecting various body systems and disease states.

324 Cultural Concepts Across the Lifespan (2)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing. Developmental approach to providing culturally appropriate nursing care. Growth and development and sociocultural factors that influence the health of various cultural groups, and factors that impact the use of health care resources across the lifespan.

353 Alterations in Health Status: Applications in Nursing (4)

Prerequisite: admission to the B.S. in Nursing. Alterations in health status and their applications to nursing practice. Alterations at the cell and system levels, and potential resulting functional changes. Epidemiological approaches and clinical case studies are presented to support nursing assessments and interventions. One or more sections offered online.

355 Professional Nursing II (3)

Prerequisite: NURS 305, 305L. Corequisite: NURS 355L. Pre- or corequisite: NURS 353. Adult health assessment, including common variations found in children and older adults. Analyzes health data and identification of health risks of specific groups. Research findings used to support nursing interventions to reduce risk and promote health.

355L Professional Nursing II: Laboratory/Clinical (2)

Prerequisites: NURS 305, 305L. Corequisite: NURS 355. Pre- or corequisite: Nursing. Practice history taking, physical examination techniques and risk identification on peers in supervised on-campus setting. Apply skills and intervene to reduce risk and/or promote health with individual clients. (6 hours practicum per week)

357 Health Promotion: Adult-Aged Nursing (3)

Prerequisites: NURS 300, or 305 and 305L, or declared Gerontology minor. Developmental theories of adulthood and the aging process with emphasis on analysis of health behavior of adults. Normative transitions, conflicts of adult life and the nurse's role in health promotion throughout the adult life cycle are included. One or more sections offered online.

400 Professional Dimensions of Nursing (3)

Prerequisites: NURS 300, 305, 305L. Socioeconomic trends and issues affecting nursing and health care. Bioethics, health care legislation and roles of professional and community organizations. Nursing leadership tasks in relation to communication, group dynamics, values clarification and ethical decision-making. One or more sections offered online.

402 Community Health Nursing (3)

Prerequisites: all 300-level nursing courses. Corequisite: NURS 402L. Community health nursing roles in prevention and health promotion with culturally diverse families and populations in a variety of community settings. Identifying risk and using the nursing process with populations at risk. One or more sections offered online.

402L Community Health Nursing: Clinical (3)

Prerequisites: 300-level nursing courses. Corequisite: NURS 402. Apply community health theory in supervised clinical experiences with individuals, families and communities. Clinical experiences in public health settings, including official agencies and other community agencies. (9 hours practicum per week)

403 Foundations of Nursing Practice (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; concurrent enrollment in NURS 403L. Concepts of physiological integrity; psychosocial integrity, safe, effective care environments and health promotion/maintenance. Beginning competencies required for care of adult and older adult clients with acute and chronic health problems across a variety of practice settings.

403L Foundations of Nursing Practice Laboratory (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; concurrent enrollment in NURS 403. Provides opportunities to acquire basic nursing skills in simulated and actual clinical settings. Interpersonal communication, safety documentation and selected basic nursing interventions required for clients with acute and chronic health problems.

404 Mental Health Nursing (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L; concurrent enrollment in NURS 404L. Integrates theory from nursing, related fields, communication and critical thinking in providing nursing care for multicultural individuals, families, groups and specific populations with mental illness. Providing professional nursing care that promotes mental health and adaptation to mental illness.

404L Mental Health Nursing Laboratory (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L; concurrent enrollment in NURS 404. Develop interpersonal communication skills and therapeutic use of self. Develop role of nurse as provider, designer and coordinator of care for individuals, families and community groups with mental health care needs.

405 Management of Medical Surgical Adult and Older Adult Clients (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L; concurrent enrollment in NURS 405L. Nursing theory for care of adult and older adult clients with medical-surgical health alterations. Diagnostic and therapeutic nursing interventions relevant to medical-surgical health alterations. Nursing process and critical thinking to manage acute and chronic medical-surgical problems.

405L Management of Medical-Surgical Adult and Older Adult Clients Laboratory (4)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L; concurrent enrollment in NURS 405. Clinical experiences provide opportunities to practice advanced nursing skills in simulated and actual clinical settings. Emphasizes further development of the nursing role in providing and coordinating care for adult and older adult clients with acute and chronic medical-surgical health alterations.

406 Reproductive Health Nursing (2)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L; concurrent enrollment in NURS 406L. Nursing theory for the care of diverse and multicultural women, newborns and families. Integrating and applying theory from nursing and related fields, standards of clinical practice, evidence-based practice, communication and critical thinking with the nursing process.

406L Reproductive Health Nursing Laboratory (2)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L; concurrent enrollment in NURS 406. Integrating and applying the nursing process in providing care for multicultural women, neonates and their families. Developing the role of nurse as provider, designer and coordinator of care for women across the lifespan.

407 Child Health Nursing (2)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L; concurrent enrollment in NURS 407L. Integrating and applying nursing process in providing age-appropriate care and advocating for infants, children and adolescents. Collaboration with the child, family and other members of the health care team to promote and adapt to illness.

407L Child Health Nursing Laboratory (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L; concurrent enrollment in NURS 407. Applies the dimensions of health, health care and nursing in addressing the health care needs of infants, children and adolescents, with a focus on health promotion, risk reduction and disease prevention. Clinical experience occurs in pediatric and community health settings.

408L Nursing Externship (4)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L. Provides opportunities to gain additional clinical experience while employed in a clinical setting. Under the direct supervision of a registered nurse preceptor, the extern provides direct care to selected patients, consistent with the student's level of clinical experience. (1 hour seminar, 9 hours clinical externship)

410 Leadership/Management in Professional Nursing (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L, 406, 406L, 407, 407L; concurrent enrollment in NURS 410L. Integrating the leadership role with professional nursing. Theories of leadership, management and organizations; their application to health care agencies is explored. Importance of collaboration, accountability and advocacy in the leadership role. Meets upper-division writing requirement.

410L Leadership/Management in Professional Nursing Laboratory (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L, 406, 406L, 407, 407L; concurrent enrollment in NURS 410. Theories and principles of leadership and management are synthesized in a selected clinical area within the health care system. Decision making, critical thinking, client advocacy, collaboration, leadership and functioning as a team member within the health care setting. Meets upper-division writing requirement

411 Management of the Adult With Complex Health Alterations (2)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L, 406, 406L, 407, 407L; concurrent enrollment in NURS 411L. Nursing theory for the care of adult and older adult clients with complex health alterations. Diagnostic and therapeutic nursing interventions relevant to advanced medical-surgical health alterations. Emphasizes nursing process and critical thinking to manage and coordinate care.

411L Management of the Adult with Complex Health Alterations Laboratory (3)

Prerequisite: admission to prelicensure pathway to the bachelor's or master's program in Nursing; NURS 321, 321L, 403, 403L, 404, 404L, 405, 405L, 406, 406L, 407, 407L; concurrent enrollment in NURS 411. Provides opportunities to design and coordinate advanced medical-surgical nursing care for adult and older adult clients with complex health alterations. Applies concepts of advanced medical-surgical and critical care nursing. Critical thinking, organization, leadership and time management skills.

412L Nursing Preceptorship (4)

Prerequisites: NURS 321, 321L, 322, 323, 400, 400L, 402, 402L, 403, 403L, 404, 404L, 405, 405L, 406, 406L, 407, 407L, 410, 410L. Corequisites: NURS 411, 411L, 450, 450L. Supervised experience with focus on applying theory and nursing process for purpose of planning, implementing and evaluating care delivery for patients as individuals and cohorts.

450 Nursing Research (3)

Prerequisites: NURS 300, statistics course that includes inferential, parametric statistics. Historical, philosophical and ethical aspects of nursing research. Relationship between nursing research and professional accountability. Principles and methods of research process with emphasis on evaluating research for use in leadership and professional role.

452 Leadership and Management in Professional Nursing (3)

Prerequisites: NURS 400, 400L, 402, 402L, and successful completion of the English Writing Proficiency (EWP) Exam. Corequisite: NURS 452L. Pre- or corequisite: NURS 450. Theories of leadership/management, concepts of power, motivation, decision-making and change, and management skills related to the professional nursing role in the health care system.

452L Leadership and Management in Professional Nursing: Clinical (2)

Prerequisites: NURS 400, 402, 402L. Corequisite: NURS 452. Pre- or corequisite: NURS 450. Application of leadership/management theories and skills in student-selected and faculty approved clinical settings. (2 hours seminar and 4 hours field work per week)

499 Independent Study in Nursing (1-3)

Prerequisites: senior standing in nursing and/or consent of instructor. Individually supervised studies and/or projects.

501 Theoretical Perspectives for Nursing Practice (3)

Prerequisite: graduate status or consent of instructor. Study and critique of the organization and development of nursing knowledge. One or more sections offered online.

505A Nursing Research and Evaluation for Practice (3)

Prerequisite: graduate standing. Overview of research methodology, research problems, interpretation and utilization of research results, with emphasis on critique of qualitative and quantitative nursing research.

505B Seminar in Nursing Research (3)

Prerequisite: NURS 501, 505A. Concepts and issues related to evidence-based practice. Develop and refine the directed project/research proposal. Proposal includes problem/purpose statements, literature review, measurement tools, work plan, timeline, method and evaluation (analysis/synthesis) plan.

507 Advanced Decision Making: Nursing Issues Seminar (3)

Prerequisite: graduate standing. Corequisite: NURS 507L. Applies critical thinking and decision making theory to professional issues within the context of ethical/legal and public policy considerations and with multidisciplinary health teams. Students apply content to their specialty area in the lab (NURS 507L). One or more sections may be offered online.

507L Advanced Decision Making: Nursing Issues Lab (1-3)

Corequisite: NURS 507. Applies critical thinking and decision making theory to professional issues within the context of ethical/legal and public policy considerations and with multidisciplinary health teams. Students apply content to their specialty area in the lab (NURS 507L). One or more sections may be offered online.

508 Advanced Nursing: Vulnerable Populations (3)

Prerequisites: NURS 501, 505A. Corequisite: NURS 508L. Applies epidemiological model to analyze the health risk factors that place populations at risk for health conditions and plan nursing interventions to promote health and prevent disease. One or more sections offered online.

508L Advanced Nursing: Vulnerable Populations Laboratory (1-2)

Corequisite: NURS 508. Applies content from NURS 508 to a specific specialty concentration. Using appropriate models and theories to analyze health risk factors that place populations at risk for a variety of health conditions and to plan nursing interventions to promote health and prevent disease. Collaborative skills in working with a multi-disciplinary health team. One or more sections offered online.

510 Development and Evaluation of Nursing Curricula (3)

Prerequisites: admission to the MSN program and IDT 525. Major components of, and processes for curriculum development and program evaluation. Analyze curriculum and utilize program evaluation model to recommend curricular revisions. One or more sections offered online.

512 Instructional Design in Nursing Education (3)

Prerequisites: NURS 501, 510, IDT 525. Course design and instructional strategies to include teaching modalities, including use of simulation and evaluation of student learning. One or more sections offered online.

511 Theoretical Basis of Leadership and Organizations in Nursing (3)

Prerequisite: NURS 501, 505A. Theoretical bases for organizational context, structure and function. Models for leadership within a health care industry that deals with diverse client populations. One or more sections offered online.

513 Nursing Service Economics (3)

Prerequisite: admission to the Nursing Leadership concentration. Application of critical thinking and decision making theory to economic control techniques within the organizational context of complex health care systems. Reviews budgeting terminology and concepts in detail, as well as current trends and regulatory requirements for operations.

514 Nursing Service Leadership Practicum I (3)

Prerequisites: NURS 513. Corequisite: NURS 511. Supervised learning experiences in leadership in nursing. Application of organizational and nursing theories and identification of researchable problems in nursing leadership. One or more sections offered online. (1 hour seminar and 8 hours practicum per week.)

515A,B Nursing Service Leadership Practicum II A,B (3,3)

Prerequisite: NURS 514. Synthesis of theory and practice to develop and utilize techniques for strategic management in nursing service administration. Issues relevant to advanced clinical practice in nursing. (1 hour seminar and 8 hours practicum per week, each semester)

516 Nurse Educator Practicum (3)

Prerequisites: NURS 501, 505A,B, 510, 512, IDT 525. Applying theories and concepts in curriculum development, evaluation, instructional strategies and student evaluation in nursing education. Work with an experienced nurse educator in the academic or agency setting under the supervision of the instructor. One or sections offered online.

521 Issues in Health Care of the Aged (3)

Prerequisite: NURS 501, graduate status or consent of instructor. Interrelationships of various issues, trends and theories related to the aging and delivery and utilization of health care. Case studies of older adult to explore selected ethical theories and dilemmas in health care.

522 Implications for Nursing the Aged: Physiological Interventions (3)

Prerequisites: NURS 501, 505A (or corequisite) or consent of instructor. Normal aspects of aging with emphasis on common health deviations. Apply selected theories and research relevant to nursing care of the aged. Identification and management of alterations in health status of the aged.

523 Implications for Nursing the Aged: Psychosocial Interventions (3)

Prerequisite: NURS 521 or consent of instructor. Common psychosocial problems of older adults and nursing intervention strategies to promote and maintain optimal psychosocial functioning. Differentiate between healthy cognitive, affective and interpersonal functioning, and behavior that indicates actual or potential health deviation is the focus of fieldwork.

524 Advanced Health Assessment: Ambulatory Pediatrics (4)

Prerequisite: undergraduate course in Health Assessment and admission to the school nursing program. Knowledge/skills required to conduct a pediatric assessment appropriate to age of child/adolescent and nature of the visit. Includes collection, analysis and application of health/physical assessment data on children within the school environment.

525 Advanced Gerontological Nursing (6)

Prerequisites: NURS 522, 523. Synthesis of theory and research in the application to clinical problems of the well, frail and ill elderly. Nursing interventions that advocate for health care of the elderly. Fieldwork offers opportunity for innovative and diverse practice options.

526 Health Care for the Young Family (3)

Prerequisite: NURS 505A. Provides knowledge and skills needed to identify and provide health promotion/disease prevention information to school staff, parents and their children. Reviewing developmental/behavioral theories and assessment techniques and strategies for health lifestyles.

529L Health Teaching Lab for School Nurses (1)

Prerequisite: Corequisite EDSC 550. Field-based course that meets requirements for observation of health teaching in the classroom as stated in the Special Teaching Authorization in Health (STAH) standards. Students observe and assess health teaching strategies in a variety of classroom settings (preK-12). (3 hours lab per week)

530 School Nurse Specialist I (3)

Advanced theory and practice of school nursing with emphasis on health care provider role of the school nurse with children of varying ages, including those with special needs and learning disabilities.

532 School Nurse Specialist II (3)

Prerequisite: admission to graduate program. Advanced practice role of school nurses focusing on program level issues. Management, coordination, resource utilization, advocacy, health care policy and communication with school staff, educators, administrators, clients and families within school districts.

533L School Nurse Specialist Practicum (3)

Prerequisites: NURS 530, 532. Field study applying theory, research and clinical skills related to multifaceted role of the professional school nurse. Planning, coordinating and providing health care in school/community settings. Assessing and managing children's health care needs.

534L Special Teaching Authorization in Health (STAH) Practicum (2)

Pre/corequisites: HESC 455; EDSC 550; NURS 529L. Apply and evaluate theories and strategies of instruction, curriculum and learning while practicing in role of a health educator in a school/classroom setting with a master teacher. Meets the student teaching requirement for the STAH Credential.

540 Advanced Pathophysiology: Clinical Implications for Nurses (2)

Prerequisite: graduate standing. Principles of normal body functioning, pathophysiologic and psychological changes occurring with altered health across life span. Clinical case studies utilized to demonstrate the pathophysiologic basis for assessment and management of common health problems.

542 Advanced Health Assessment (2)

Prerequisite: graduate nursing standing. Application of theoretical concepts related to comprehensive health assessment of patients across the lifespan. Analyzing, synthesizing and applying comprehensive health assessment data, including the bio-psychosocial, development and environmental needs of patients and families.

542L Advanced Health Assessment Laboratory (1)

Corequisite: NURS 542. Clinical application of advanced health assessment skills and strategies necessary for advanced practice nursing role in a particular area of specialization. (3 hours practicum per week)

544 Health Promotion/Disease Prevention (2)

Prerequisites: graduate standing and consent of instructor. National clinical preventive services guidelines for health promotion, disease prevention, health assessment and screening pertinent to various age groups.

545L Advanced Practice Nurse Clinical Practicum I (2)

Prerequisites: NURS 542, 542L, 544. Clinical application of theory and research related to the advanced health assessment and health promotion across the lifespan. (6 hours practicum per week)

546 Primary Care of Women I: Family Planning/Gynecology (2)

Prerequisites: NURS 540, 542, 542L. Primary health care of women by advanced practice nurses from adolescence through adulthood, including assessment, diagnosis prevention, current research, management and education of common gynecologic and family planning health care needs.

548A,B Primary Care: Acute Problems I,II (2,2)

Prerequisites: NURS 540, 542, 542L. NURS 548A is prerequisite to 548B. Theory and research related to the most basic and common acute or episodic problems affecting patients and families across the lifespan. Health promotion, disease prevention, assessment, differential diagnosis, management and patient/family education and counseling related to these conditions. Concepts of quality health care, resource management and shared-decision making.

548L Advanced Practice Nurse Clinical Practicum II (3)

Corequisite: NURS 548. Continued clinical field study applying theory, research and developing clinical skills related to the provision of care to pediatric and adult patients and their families, including gynecology and family planning, in increasingly complex clinical situations. (9 hours practicum per week)

552 Advanced Pharmacology: Prescriptive Authority (3)

Prerequisite: graduate standing or consent of instructor. Advanced course of pharmacology and pharmacotherapeutic content and application relevant to the Advanced Practice Nurse.

554 Primary Care of Women II: Obstetric Health (2)

Corequisite: NURS 554L. Theory and research related to the obstetrical health care needs of women. Assessment, management and education/counseling needs of women during pregnancy. Social, physiological, legal and ethical issues associated with pre and postnatal care.

554L Advanced Practice Nurse Clinical Practicum III (3)

Corequisite: NURS 554. Clinical application of theory and research through clinical experiences in selected primary care settings provide students with competencies in assessment, diagnosis, management and education/counseling in selected populations. (9 hours practicum per week)

558 Primary Care of Pediatric Patients (2)

Corequisite: NURS 558L. Prerequisite: Second-year graduate standing. Theory and research-based management of common pediatric health problems encountered in primary care setting focusing on socioeconomic, political, cultural and ethical influences. Population based disease management models are covered.

558L Advanced Practice Nurse Clinical Practicum IV (2)

Corequisite: NURS 558. Clinical field study applying theory, research and developing clinical skills in selected populations within primary care settings. Developmental needs of clients in relation to family, social and cultural structure. (6 hours practicum per week)

560 Primary Care of Adult, Geriatric and Chronic Health Problems (3)

Corequisite: NURS 560L. Common health problems affecting adult and geriatric patients and their families. Theory and research related to comprehensive assessment, clinical decision-making and differential diagnosis, management and patient/family education of health problems in primary care settings.

560L Advanced Practice Nurse Clinical Practicum V (3)

Prerequisite: second-year graduate student. Corequisite: NURS 560. Clinical practicum applying theory, research and developing clinical skills related to the care of the family with special emphasis on acute and chronic illnesses with complex presentations in primary care settings. Assessment, diagnosis, management, patient/family education, lifestyle modification and counseling strategies. (9 hours practicum per week)

564 Common Procedures in Primary Care (2)

Prerequisite: consent of instructor. Introduces nurse practitioner students to the theoretical basis for common procedures performed in primary care clinical practice. Includes EKG interpretation, x-ray interpretation, minor surgery and orthopedic procedures. Faculty-supervised simulated practice sessions included. Course may be repeated once.

568L Advanced Practice Nurse Clinical Practicum VI (3)

Prerequisite: completion of all other FNP courses and consent of instructor. Culminating clinical experience for family nurse practitioner students and serves as a transition from the student role to the advanced practice nurse. (9 hours practicum per week.)

570 Basic Women's Health Assessment and Management I (2)

Prerequisite: graduate standing with Women's Health Concentration. Reviews theory, pathophysiology, diagnosis and management of ambulatory care for women during childbearing and postpartum/family planning periods in culturally diverse populations. Research findings within the framework of the normalcy of childbearing.

572 Basic Women's Health Assessment and Management II (2)

Prerequisite: graduate standing with Nurse Midwifery Specialty. Corequisite: NURS 570. Theory, pathophysiology, diagnosis and management of women during labor, birth and the immediate postpartum/newborn.

573A Internship in Basic Midwifery Practice (2)

Prerequisite: graduate standing with Nurse Midwifery specialty. Pre- or corequisite: NURS 570, 572. Apply basic midwifery knowledge in the clinical setting. Clinical internship of health promotion, diagnosis and management of low risk childbearing women and newborns emphasized. Includes clinical management of women needing gynecologic and primary care.

573B Basic Women's Health Care Practicum (4)

Prerequisite: graduate standing with Nurse Practitioner specialty. Pre- or corequisite: NURS 570. Apply basic Advanced Practice Nursing knowledge in the clinical setting. Clinical practicum of health promotion, diagnosis and management of low risk childbearing women emphasized. Includes clinical management of women needing gynecologic and primary care. (minimum 12 hours practicum per week)

574 Intermediate Women's Health Assessment and Management I (2)

Prerequisite: NURS 570. Theory, research, assessment, pathophysiology, diagnosis and management of complications related to ambulatory health care of women. Domestic violence. Evaluation of research findings.

576 Intermediate Women's Health Assessment and Management II (2)

Prerequisite: graduate standing with Nurse Midwifery Specialty; NURS 572. Analysis of theory, research, assessment, pathophysiology, diagnosis and management of complications related to health care of women and newborns through labor, birth and the newborn period. Co-management and collaborative management strategies.

577A Internship in Intermediate Nurse Midwifery Practice (2)

Prerequisite: NURS 570, 572 and 573A. Corequisite: NURS 574 and 576. Clinical application of knowledge in midwifery practice for childbearing women and newborns with moderate to high risk factors. Co-management and collaborative management. Clinical management of women needing gynecologic and primary care.

577B Intermediate Women's Health Care Practicum (3)

Prerequisite: NURS 573B. Corequisite: NURS 574. Clinical application of knowledge in Advanced Practice Nursing for care of women with moderate to high risk conditions in pregnancy. Co-management and collaborative management. Clinical management of women needing gynecologic and primary care. (Minimum 9 hours practicum per week)

579A Advanced Nurse Midwifery Internship (2)

Prerequisite: successful completion of all didactic and clinical courses related to the Nurse Midwifery specialty. This capstone course is the synthesis of clinical knowledge and skill for advanced practice in women's health. Residency incorporates full scope practice and primary care to prepare for independent practice as a nurse-midwife.

579B Advanced Women's Health Care Practicum (3)

Prerequisite: successful completion of all courses related to specialty. This capstone course is the synthesis of clinical knowledge and skill for advanced practice in women's health. Residency incorporates full scope practice and primary care to prepare for independent practice as a women's health care nurse practitioner. (Minimum 9 hours practicum per week)

580 Advanced Pharmacology for Anesthesia I (3)

Prerequisite: admission to the nurse anesthetist concentration. Scientific foundations of anesthesia practice. Advanced pharmacology content, integrated with principles of neuro-anatomy, biology, physiology, chemistry and physics serves as a basis for assessing and managing the patient undergoing anesthesia.

581 Anesthesia Basic Principles and Health Assessment (3)

Prerequisite: admission to the nurse anesthetist concentration. Basic anesthesia theories and applications prior to entry into clinical practice. Perioperative patient health assessment, airway management, anesthesia monitoring and treatment modalities.

582 Anesthesia Advanced Principles (4)

Prerequisite: NURS 580. Corequisite: NURS 584. Pre- or corequisite: NURS 505A. Selected scientific foundations of anesthesia practice, focusing on cardiopulmonary and renal systems.

584 Advanced Pharmacology for Anesthesia II (3)

Prerequisite: NURS 581. Corequisite: NURS 585L. Pre- or corequisite: NURS 505A. Scientific foundations of anesthesia practice. Advanced pharmacology content, integrated with principles of cardiopulmonary and renal anatomical, biological and physical principles serve as a basis for assessing and managing the patient undergoing anesthesia.

585L Nurse Anesthesia Practicum I (2)

Prerequisite: NURS 581. Corequisite: NURS 584. Preceptored clinical experience designed to provide clinical application of the foundational principles of anesthesia. (6 hours practicum per week)

586 Pediatric and Obstetric Anesthesia (3)

Prerequisites: NURS 584. Corequisite: NURS 587L. Advanced theory of anesthesia management for specialized patient populations, specifically, pediatrics and obstetrics. Emphasizes anesthesia principles that underlie competent operative planning, decision making and case management.

587L Nurse Anesthesia Practicum II (5)

Prerequisites: NURS 585L. Corequisite: NURS 586. Preceptored clinical experience provides clinical application of increasingly complex clinical situations. (15 hours practicum per week)

588 Advanced Physiology/Pathophysiology for Anesthesia I (4)

Incorporates pathophysiologic basis for anesthesia case management, including pulmonary and cardiothoracic care. Principles of regional anesthesia. Application of current scientific literature is reviewed and emphasized.

589L Nurse Anesthesia Practicum III (7)

Continuing preceptored clinical experience provides clinical application of increasingly complex clinical situations and clinical decision-making in the practice of anesthesia. (21 hours practicum per week)

590 Advanced Physiology/Pathophysiology for Anesthesia II (4)

Prerequisite: NURS 588. Corequisite: NURS 591L. Pathophysiologic basis for anesthesia management, including neurologic, endocrine and gastro-intestinal care. Integrates concepts of pharmacology related to anesthesia and application of current scientific research findings in these populations.

591L Nurse Anesthesia Practicum IV (7)

Prerequisite: NURS 589L. Corequisite: NURS 590. Preceptored clinical experience provides clinical application of increasingly complex clinical situations. (21 hours practicum per week)

593L Nurse Anesthesia Practicum V (7)

Prerequisite: NURS 591L. Corequisite: NURS 592. Culminating preceptored clinical experience provides clinical practice in all areas of anesthesia management. (21 hours practicum per week)

596A,B Comprehensive Clinical Practicum (1,1)

Prerequisites: NURS 505A,B and consent of instructor. Prerequisite for 596B is 596A. Low- to high-risk patient assessment and management through case study and skills lab competency. Outcome includes simulated patient evaluation/management and comprehensive examination demonstrating student's application of knowledge and skills. A full-year course over two semesters. (Minimum 3 hours per week per semester)

597A,B Project (1,1)

Prerequisites: NURS 505A,B and consent of instructor; Prerequisite for NURS 597B is 597A. Identification of specific issues/problems in degree concentration and development and completion of project.

598A,B Thesis (1,1)

Prerequisites: NURS 505A,B and consent of instructor. Prerequisite for NURS 598B is 598A. Individual research with conferences with instructor, culminating in a thesis.

599 Independent Graduate Study (1-3)

Prerequisite: graduate student status and consent of instructor. Independent inquiry resulting in oral or written report. May be repeated with different content for additional credit.



Philosophy

College of Humanities and Social Sciences

DEPARTMENT CHAIR

Heather Battaly

DEPARTMENT OFFICE/WEBSITE

Humanities 214

657-278-3611

<http://hss.fullerton.edu/philosophy>

PROGRAMS OFFERED

Bachelor of Arts in Philosophy

Concentration in Social, Moral and

Legal Philosophy for the Professions

Minor in Philosophy

FACULTY

Mitchell Avila, Heather Battaly,
Matthew Calarco, Amy Coplan, John
Davis, Brady Heiner, Andrew Howat,
Emily S. Lee, JeeLoo Liu, Ryan Nichols,
Shari Starrett

INTRODUCTION

Philosophy began when people first questioned the accounts poets and priests had handed down about the structure of the world and the meaning of human life. Since then philosophers have helped create and explore virtually every aspect of our cultural life, including science, religion, art and politics. To study philosophy, therefore, is to engage in a classic form of liberal education in which powers of reasoning and conceptual analysis are explicitly developed. The study of philosophy includes: (1) the development of critical thinking and writing skills; (2) the investigation of conceptual problems encountered in the course of reflecting about experience; (3) the assessment of assumptions underlying other sciences and arts; and (4) the exploration of intellectual and cultural history from a broad perspective. Philosophy is not a “high unit” major. It is possible for many students to obtain the benefits of a philosophically based liberal education while also majoring in another discipline. The Philosophy Department also encourages minors, which can be tailored to the student’s individual interests or other fields of study. Majoring or minoring in philosophy is an excellent way of preparing for law school and other careers that involve facility in reasoning, analysis and information processing.

LEARNING GOALS AND STUDENT LEARNING OUTCOMES

The following goals and learning outcomes have been established for students pursuing a degree in philosophy:

Critical thinking

- Demonstrate a thorough understanding of original texts
- Use sound arguments and strong reasoning to support assertions
- Make careful selection and presentation of evidence and argument to support assertions and (when applicable) include carefully constructed refutations of the opposing view

Critical writing

- Demonstrate good structure, succinct expression of ideas and superb writing skills

Knowledge

- Demonstrate knowledge of specific periods of historical philosophy, specific major currents of the 20th-21st century philosophical investigation and several methodologies employed by philosophers

Social/global awareness

- Exposure to issues of culture, ethnicity and gender
- Cultivate a global perspective

- Examine and critically assess normative standards governing social relations, practices and institutions, including a wide range of human activities dependent upon value judgments

BACHELOR OF ARTS IN PHILOSOPHY (120 UNITS)

The Bachelor of Arts in Philosophy requires 39 units in general philosophy or 39 units in the concentration. The general philosophy program requires the following:

Argumentation and Writing Requirement (3 units)

PHIL 315 Philosophical Argument and Writing (3)

Required Courses in the History of Philosophy Before 1900 (9 units)

PHIL 290 History of Philosophy: Greek Philosophy (3)

PHIL 300 History of Philosophy: Rationalism and Empiricism (3)

PHIL 301 History of Philosophy: Kant and the 19th Century (3)

Additional History of Philosophy Requirement (6 units)

Two of the following – PHIL 291, 323, 350, 379, 380, 382, 383

Other Course Requirements (9 units: 3 each from a, b and c)

- Ethics and Society – PHIL 343, 345, 377 or 410
- Metaphysics, Epistemology – PHIL 420, 430, 435, 440
- Any additional course listed in a. or b., or PHIL 368

Seminar Requirement (3 units)

PHIL 447T, 455, 460, 470, 480, 490

Electives (9 units)

Choose nine units of philosophy courses, no more than six units of lower-division, which have not been used to fulfill other requirements.

CONCENTRATION IN SOCIAL, MORAL AND LEGAL PHILOSOPHY FOR THE PROFESSIONS

This concentration prepares students for post-baccalaureate professional studies and eventually a career in their chosen field. Students who complete the Concentration in Social, Moral and Legal Philosophy for the Professions while earning their Bachelor of Arts in Philosophy should be equipped with the intellectual skills (i.e., critical reading and analysis skills) necessary in order to successfully apply to, enter and graduate from competitive professional graduate programs such as law, business and administration.

Argumentation and Writing Requirement (3 units)

PHIL 315 Philosophical Argument and Writing (3)

Pre-1900 History Sequence (9 units)

PHIL 290 Greek Philosophy (3)

PHIL 300 Rationalism and Empiricism (3)

PHIL 301 Kant and 19th Century (3)

Ethics, Social/Political Philosophy (6 units)

PHIL 345, 355, 382, 410

Applied Ethics, Social/Political Philosophy (3 units)

PHIL 312, 313, 314, 320, 377

Core Topics in Philosophy (6 units)

PHIL 303, 323, 348, 380, 381, 383, 420, 430, 440

Additional (6 units)

PHIL 405 Advanced Topics in Applied Legal Reasoning (3)

PHIL 493 Senior Internship in Ethics and Society (3)

Electives (6 units)

Six units of philosophy courses that have not been used to fulfill other requirements. No more than six lower-division units may count toward electives in the major.

MINOR IN PHILOSOPHY (21 UNITS)

At least 12 of the required units for the minor must be upper division. Up to nine units taken in fulfillment of general education requirements may be counted toward the minor. The Department of Philosophy offers two ways of pursuing the minor. Alternative B is especially appropriate for students preparing for professional degrees in law or medicine.

Alternative A: Among the 21 units, at least six from the following: PHIL 290, 291, 300, 301; and a seminar or three units of PHIL 499.

Alternative B: Among the 21 units, at least 15 from philosophy courses correlative to the student's major or intended post-baccalaureate field, as approved by the philosophy adviser.

RECOMMENDED COURSEWORK FOR PHILOSOPHY MAJORS

Students are advised to supplement their studies in philosophy with coursework offered in these fields and in fields closely related to their philosophical interests.

Students who are planning to attend graduate school in philosophy are urged to acquire proficiency in a foreign language and include in their programs as many of the following as possible:

PHIL 303, 345, 368, 375, 380, 410, 420, 430, 440, 455

Students interested in pursuing admission to law school are advised to include in their programs as many of the following as possible:

PHIL 312, 313, 314, 345, 355, 368, 410, 455

TRANSFER CREDIT

Work completed in philosophy at other institutions may be counted toward the major, subject to the rules of the university and the following departmental rules: (1) only seminars can fulfill the seminar requirement; (2) only upper-division work can fulfill upper-division requirements; (3) in no case can more than six units of lower-division work taken at another institution count toward

the major requirement of 39 units. Six units of philosophy taken at another university may be counted toward the minor.

PHILOSOPHY COURSES

Courses are designated as PHIL in the class schedule.

100 Introduction to Philosophy (3)

Nature, methods and some of the main problems of philosophy. Primarily for freshmen and sophomores. Not a prerequisite for advanced courses. One or more sections offered online.

101 Meaning, Purpose and the Good Life (3)

Introduction to Western and Eastern approaches to perennial topics in philosophy concerning human flourishing and the nature of persons. Questions considered include, "What is happiness?" "What is the good life?" "Does life have meaning and purpose?" and "What is a person?"

105 Critical Thinking (3)

Developing non-mathematical critical reasoning skills, including recognition of arguments, argument evaluation and construction of arguments.

106 Introduction to Logic (3)

Logical structure of language and correct reasoning: deduction, induction, scientific reasoning and informal fallacies.

110 Religions of the World (3)

(Same as CPRL 110)

120 Introduction to Ethics (3)

Problems of human conduct and moral evaluation: standards for moral assessment of conduct and persons; morality and its relation to mores, social demands and personal commitments.

290 History of Philosophy: Greek Philosophy (3)

Origins of Western philosophy and its development through Socrates, Plato and Aristotle.

291 History of Philosophy: Medieval Philosophy (3)

Hellenistic philosophy and such figures as Plotinus, Augustine, Thomas Aquinas, Duns Scotus and William of Ockham.

300 History of Philosophy: Rationalism and Empiricism (3)

Prerequisite: completion of General Education (G.E.) Category C.2. Rationalism of Descartes, Spinoza and Leibniz, and the empiricism of Locke, Berkeley and Hume.

301 History of Philosophy: Kant and the 19th Century (3)

Prerequisite: PHIL 300. Rationalism and empiricism as a background to Kant. Revolutionary aspects of Kant's critical philosophy. Subsequent trends in 19th century philosophy, emphasizing such figures as Hegel, Schopenhauer, Marx, Mill, Kierkegaard and Nietzsche.

302 Introduction to Women's Studies (3)

(Same as WMST 302)

303 Introduction to the Philosophy of Science (3)

Prerequisite: general education physical or biological science requirement. Logical and methodological features of scientific inquiry; nature of theories and interpretation of theoretical terms; scientific progress; impact of science on society and of society on science.

311 Aesthetics: Philosophy of Art and Beauty (3)

Prerequisite: completion of G.E. Category C.1 or C.2. Conditions and aims of art and of aesthetic experience.

312 Business and Professional Ethics (3)

Prerequisite: upper-division standing. Nature and limits of the moral rights and responsibilities of business and the professions (including law, medicine, science, engineering, journalism, management and teaching).

313 Environmental Ethics (3)

Prerequisite: completion of G.E. Category C.2 or D.1. Conceptual and moral foundations of environmental ethics, focusing on ecosystem and wildlife conservation policies, animal rights, a land ethic, competing policy analyses and obligations to future generations.

314 Medical Ethics (3)

Prerequisite: completion of G.E. Category C.2. Ethical issues raised by recent technical developments in medicine and of the moral rights and responsibilities of patients and health-care professionals.

315 Philosophical Argument and Writing (3)

Prerequisite: three units of philosophy. Philosophical concepts, distinctions and methods are used to teach philosophical and argumentative writing that is clear, critical, expressive and precise. Designed to satisfy the classroom portion of the upper-division writing requirement for philosophy majors.

316 Research Ethics (3)

Prerequisite: PHIL 120 or completion of the G.E. Category B.3. Ethical principles and problems implicit in the conduct of scientific research, with special attention to issues of scientific integrity, fraud, deception, data accuracy, authorship credit and use of research funds, especially when animal or human subjects are used.

320 Contemporary Moral Issues (3)

Prerequisite: completion of G.E. Category C.2. Applying ethical and social/political theories to contemporary moral problems. Topics selected from current issues in law, business, medicine, sexual morality and gender/multicultural studies, including such topics as abortion, racism, crime, punishment, welfare, domestic violence and pornography.

323 Existentialism (3)

Introduction to existentialist perspectives on freedom, meaning, responsibility, authenticity and self-deception. Typically includes discussion of Kierkegaard, Nietzsche, Heidegger and Sartre.

324 Existential Group (3)

How themes in the writings of existentialist philosophers pertain to the lifestyles, actions and feelings of the class participants.

325 Philosophy of Sex and Love (3)

Prerequisite: completion of G.E. Category C.2. Philosophical approaches to love, friendship, marriage and eroticism. Nature of love, relationship between sexuality and love, gender roles and gender equality. Investigation of ethical and legal controversies in sexuality, marriage and privacy.

333 Evolution and Creation (3)

Prerequisites: completion of G.E. Categories B.2 and C.2. Interdisciplinary study of evolutionary biology's impact on culture in context of religious doctrines of creation. Evolutionary theory and religious and philosophical reactions from Darwin to the present, including relevant educational and legal contexts.

341 Assumptions of Psychotherapy (3)

Prerequisites: completion of G.E. Categories C.2 and D.1. Philosophical concepts and assumptions pertinent to the theory of psychotherapy, such as the Cartesian, the mechanistic and the deterministic assumptions of Freud.

343 Philosophy of Feminism (3)

Prerequisite: three units of philosophy or three units of women's studies. Philosophical issues connected with "second-wave" U.S. feminism. Alternative feminist theories, goals and reconstruction of traditional areas of philosophy. (Same as WMST 343).

345 Social and Political Philosophy (3)

Prerequisite: three units of philosophy. Individualism, community, freedom, authority, justice, human rights and alienation, from the perspective of social and political theory.

348 Philosophy of Religion (3)

Role of philosophy in shaping theological doctrine, in critically evaluating religious experience, in arguing for or against the existence of God and in considering the problem of evil. (Same as CPRL 348)

349 Philosophy, Literature and Cinema (3)

Aesthetics of literature and film, emphasizing how storytelling deepens our imagination and understanding of identity, culture, society and values through use of word and image.

350 Asian Philosophy (3)

Prerequisite: completion of G.E. Category C.2. Asian philosophies such as Taoism, Confucianism and Buddhism (especially Zen): world views, conceptions of human nature and the good life. May also include applications to martial and non-martial arts. Comparisons with Western philosophies, religions and values.

352 Philosophy of Asian Martial Arts (3)

Prerequisite: three units of philosophy or appropriate prior instruction in the martial arts. Philosophical examination of Asian martial arts and how they relate to Taoism, Buddhism, Confucianism, Shinto and Zen. Samurai ideals compared to those of the warrior traditions of the Middle Ages and Homeric Greece.

354T Topics in Buddhism (3)

(Same as CPRL 354T)

355 Philosophy of Law (3)

Philosophical issues underlying the law, including the nature and justification of law, its relationship to morality and the limits of free speech, criminal punishment, legal responsibility and affirmative action.

368 First Course in Symbolic Logic (3)

Prerequisite: entry-level mathematics examination. Recognition and construction of correct deductions in the sentential logic and the first-order predicate calculus. (Same as MATH 368)

375 Introduction to the Philosophy of Language (3)

Prerequisite: six units of philosophy, six units of linguistics or three units of each. Philosophical issues about language, including topics such as meaning, reference, predication and truth. (Same as LING 375)

377 Philosophical Approaches to Race, Class and Gender (3)

Prerequisite: one upper-division philosophy course, or course focused on race, class, or gender. Philosophical and interdisciplinary analyses of race, class and gender. Class time divided between assessment of influential theories and writers and development of Internet and interactive research.

379 American Philosophy (3)

Prerequisite: completion of G.E. Category D.4. American philosophy, beginning with Whitman, Emerson and Thoreau on transcendentalism and nature philosophy, with particular emphasis on the pragmatism of Pierce, Dewey, James and recent developments of neo-pragmatists Quine and Rorty.

380 Analytic Philosophy: 1900 to 1950 (3)

Prerequisite: six units in philosophy. Rise and development of the analytic movement in 20th-century philosophy. Works of such philosophers as Moore, Russell, Wittgenstein and Carnap will be studied.

381 The Analytic Tradition: 1950 to the Present (3)

Prerequisite: six units of philosophy or equivalent. Character and development of post-war Anglo-American philosophy, including the works of such thinkers as the later Wittgenstein, Quine, Davidson, Rorty and Putnam.

382 Marx and Marxism (3)

Marx and his followers in philosophical perspective. Theories of human nature, society and intellectual activity; conceptual tools for the analysis of social phenomena; sources; and followers, both critical and dogmatic.

383 Postmodernism (3)

Prerequisite: PHIL 301 or 323. Such modern and post-modern movements as phenomenology, hermeneutics, critical theory, post-structuralism, deconstruction, the Frankfurt school and French feminism; influences of these movements on political, literary and psychoanalytic theory.

384 Philosophy of the Body (3)

Prerequisite: any lower-division philosophy course. Phenomenology and its implications for the female and male bodies, examining how correcting philosophy's bias towards the mind informs our understanding of social hierarchy, gender identity and exclusion from public life.

386 Philosophy of Biology (3)

Prerequisite: completion of G.E. requirements in Biological Science. Conceptual foundations of biological science and especially of evolutionary theory. Applicability of such concepts as natural law, theory reduction, emergence and teleology to the investigation of living things from the molecular to the ecological level.

399 Directed Study (1-3)

Prerequisite: approval of department. Supervised individual study as an elective. May be repeated for credit with different content. No more than three units may be taken with any one adviser in any one semester.

400 Ethical and Professional Issues in Human Services (3)

(Same as HUSR 400)

401 Knowledge in the Arts and Sciences (3)

(Same as LBST 401)

405 Advanced Topics in Applied Legal Reasoning (3)

Prerequisites: PHIL 105, 106 or 368. Advanced study of argumentation and critical thinking methods, and their application to applied topics in philosophy, including legal ethics and legal reasoning.

410 Ethical Theory (3)

Prerequisite: PHIL 290, 300 or 315. Major ethical theories as advanced by such authors as Aristotle, Kant, Mill and Rawls.

416 Advanced Research Ethics (3)

Prerequisite: PHIL 320. For graduate students engaged in research. Ethical principles and problems implicit in the conduct of research, with special attention to issues of scientific integrity, fraud, deception, data accuracy, authorship credit and use of research funds.

420 Metaphysics (3)

Prerequisite: PHIL 290, 300 or 315. Metaphysics and metaphysical issues such as reality, universals, space, time, substance, identity and difference, causality, permanence and change, freedom and determinism, minds and bodies.

430 Epistemology (3)

Prerequisite: PHIL 290, 300 or 315. Nature of knowledge, belief, certainty, truth, perception, and the a priori; examinations of skepticism, traditional responses to skepticism and the foundations of knowledge.

435 Advanced Topics in Philosophy of Language (3)

Prerequisite: PHIL 290, 300 or 375. Key problems in the philosophy of language such as the nature of language, function of language in communication, meaning and reference of proper names, and the connection between thought and language. Not available for graduate degree credit.

440 Philosophy of Mind (3)

Prerequisite: PHIL 290, 300 or 315. Concept of mind, and such related issues as the mind-body relation, behavior, consciousness, voluntary action, weakness of will and our knowledge of other minds.

447T Seminar in Selected Problems (3)

Prerequisite: PHIL 315 and six units of upper-level philosophy. Intensive study of one philosophical concern, such as an individual philosopher or topic. May be repeated with different content for additional credit.

448 Death, Aging and Meaning (3)

Prerequisite: PHIL 315 and six units of upper-level philosophy. Various thinkers regard comprehending one's own death as a means to making sense of one's life. Combines intellectual inquiry and personal exploration into assessing death, aging and living meaningfully.

455 Seminar in Values (3)

Prerequisite: PHIL 315 and six units of upper-level philosophy. Valuation or some important form of value: ethical, aesthetic, political. May be repeated with different content for additional credit.

470 Seminar in Metaphysics and Epistemology (3)

Prerequisite: PHIL 315 and six units of upper-level philosophy. Topics include metaphysics and epistemology such as reality, substance, mind, action, cause, knowledge and truth.

480 Seminar in the History of Philosophy (3)

Prerequisite: PHIL 315 and six units of upper-level philosophy. Covers some important work, figure, school or problem in the history of philosophy before 1900.

490 Seminar in Contemporary Philosophy (3)

Prerequisite: PHIL 315 and six units of upper-level philosophy. Issues raised by such 20th-century philosophers as Russell, Moore, Wittgenstein, Austin, Quine, Husserl, Heidegger, Merleau-Ponty or Foucault.

493 Senior Internship in Ethics and Society (3)

Prerequisite: six units of philosophy in ethics and/or social/political philosophy. Supervised internship in professional setting. Required course project on philosophical and ethical issues.

499 Independent Study (1-3)

Prerequisite: approval of department. Develop competency in research. May be repeated for credit. No more than three units may be taken with any one adviser in any one semester.

Physics

College of Natural Sciences and Mathematics

DEPARTMENT CHAIR

Jim Feagin

DEPARTMENT OFFICE/WEBSITE

McCarthy Hall 611

657-278-3366

<http://physics.fullerton.edu>

PROGRAMS OFFERED

Bachelor of Science in Physics

Emphasis in Business

Minor in Physics

Master of Science in Physics

FACULTY

Kwang-Ping Cheng, Greg Childers,
Jim Feagin, Heidi Fearn, Murtadha
Khakoo, Michael Loverude, Josh Smith,
Ionel Tifrea, Keith Wanser

INTRODUCTION

Physics is the natural science that deals with the properties and interactions of matter and radiation. As such, physics provides the fundamental basis for all other sciences, and for applied science fields such as engineering and the health sciences. Many physicists engage in research designed to expand the frontiers of physical knowledge; others engage in the application of physics concepts in industry and in private and government laboratories.

The physics major program can provide the education necessary for the student to continue studies at the graduate level that, in turn, lead to the master's and doctoral degrees. Alternatively, the physics major program can provide the education necessary for the student to work immediately upon graduation with the bachelor's degree, either in industry or government labs, in applied physics fields, or in teaching at the secondary school level. Our optional emphasis in business provides students with experience in starting or managing a technology-oriented business.

Students are encouraged to obtain research experience by working with faculty in their ongoing research efforts. Independent Study provides practical work experience that integrates classroom studies with the needs and methods of modern industrial science.

LEARNING GOALS AND STUDENT LEARNING OUTCOMES

The following goals and learning outcomes have been established for students pursuing a degree in Physics:

Content Knowledge

Students will demonstrate understanding of:

- Force, energy and momentum and apply this understanding to predict and describe motion
- Thermodynamics and the thermodynamic properties of materials
- Waves and wave propagation
- Electricity, magnetism, the relationship between electric and magnetic phenomena, and electromagnetic forces and waves
- Modern physics, including quantum theory, relativity and elementary particles

Investigation and Experimentation

Students will learn to:

- Ask scientific questions, formulate hypotheses, design and conduct experiments, and analyze data
- Collect, analyze and interpret data and information
- Use modern laboratory equipment including advanced computer hardware and software

- Use analytical, computational, graphical and advanced mathematical methods in problem-solving
- Apply mathematics to scientific investigation and experimentation for the purpose of quantifying results and drawing conclusions

Communication

Students will learn to:

- Communicate data, concepts, skills and processes to experts and non-experts in the field in logical and meaningful formats
- Communicate scientific observations, results and conclusions in clear, logical, and unbiased terms both verbally and in writing
- Use appropriate technology to communicate scientific results

Nature of Science

Students will learn to:

- Recognize that science is an active endeavor in which the acquisition of knowledge is based upon the collection and examination of data
- Recognize the synergistic nature of science and technology
- Experience and practice analyzing complex situations to make informed decisions and to participate in scientific problem solving
- Recognize their responsibility to increase scientific literacy so that the general population can understand current issues and appreciate their personal societal roles and responsibilities

BACHELOR OF SCIENCE IN PHYSICS (124 UNITS)

The Bachelor of Science in Physics requires 73 units in the major, including core courses, and upper-division physics, science and engineering electives. Each course in physics, mathematics, chemistry and English that is required for the major must be completed with grade of "C" (2.0) or better.

Formal academic advisement is required for all physics majors at least once every academic year.

Lower Division (32-34 units)

General Chemistry (8 units)

CHEM 120A, 125

Mathematics (12 units)

MATH 150A,B and 250A

Fundamental Physics (12 units)

PHYS 225, 226, 227 and 225L, 226L, 227L

Note: Students may take CHEM 120B in place of CHEM 125.

Upper Division (21 units)

PHYS 300 Survey of Mathematical Physics (3)

PHYS 310 Thermodynamics, Kinetic Theory and Statistical Physics (3)

PHYS 320 Classical Mechanics (4)

PHYS 330 Electromagnetic Theory (4)

PHYS 340 Modern Physics (4)

PHYS 380 Methods of Experimental Physics (3)

Upper-Division Physics Electives (14 units)

Must include one laboratory course.

For students completing a minor or second major in mathematics, another science, engineering or computer science, the upper-division physics elective requirement is 12 units.

Upper-Division Science and Engineering Electives (3 units)

Additional upper-division courses in mathematics, science, engineering and/or computer science approved by the department.

Upper-Division Writing Requirement (3 units)

One of the following:

ENGL 301, 360; BUAD 301 (for students pursuing the emphasis in business only); CHEM 340; MATH 380

EMPHASIS IN BUSINESS

Students who pursue the Emphasis in Business program do not take PHYS 227L and substitute ACCT 201A for CHEM 125 in lower-division major requirements, and complete the following 21 units in physics and business electives in place of the usual upper-division physics and science/engineering elective.

FIN 320 Business Finance (3)

MGMT 340 Organizational Behavior (3)

MGMT 465A New Venture Creation & Funding (3)

MGMT 465B New Venture Launch (3)

OR MGMT 461 Entrepreneurial Management (3)

MKTG 351 Principles of Marketing (3)

PHYS 481 Experimental Physics (3)

OR PHYS 482 Modern Optics Laboratory (3)

BUAD 301 Advanced Business Communication (3)

Note: BUAD 301 satisfies the upper-division writing requirement.

MINOR IN PHYSICS

Lower Division (12 units)

PHYS 225, 225L, 226, 226L, 227, 227L

Upper Division (9 units)

PHYS 380 Methods of Experimental Physics (3)

Six additional upper-division units in physics, selected in consultation with the academic adviser and approved by the department chair.

TEACHING CREDENTIAL

The Bachelor's Degree in Physics may be effectively combined with subject matter studies necessary for the Single Subject Teaching Credential in science. Undergraduates are encouraged to contact the Center for Careers in Teaching (657-278-7130, www.fullerton.edu/cct) and the Science Education Programs Office (657-278-2307,

<http://nsm.fullerton.edu/scied>). Postbaccalaureate and graduate students should contact the Science Education Programs Office (657-278-2307, <http://nsm.fullerton.edu/scied/>).

MASTER OF SCIENCE IN PHYSICS (30 UNITS)

Admission Requirements

Students must comply with all university admission requirements. Those seeking admission to the master's program in physics must have: (1) a degree from an accredited college or university with a major in physics or a closely related field (students with majors other than physics may be admitted with deficiencies); and (2) a grade-point average of 2.75 for upper-division courses in the physics major. For students with undergraduate degrees in engineering, mathematics or other physical sciences, a GPA of 3.0 in upper-division major courses is required. In addition to the GPA requirements, all applicants are required to: (1) take the physics portion of the Graduate Record Exam (GRE) either previously or within a year of application (the GRE requirement can be waived for physics majors who enter with a GPA of 3.6 or higher); (2) submit a one-page, 500-word maximum, typed statement of purpose, explaining the student's interest in taking a higher degree in physics; and (3) submit three letters of recommendation.

International student applicants are required to pass the Test of English as a Foreign Language (TOEFL) with a score of 213 for the paper test.

Required Core Course (12 units)

PHYS 510 Mathematical Physics (3)

PHYS 520 Analytical Mechanics (3)

PHYS 530A Electromagnetic Theory I (3)

PHYS 555A Quantum Physics I (3)

Additional 500-Level Requirements (6 units)

Plan A (comprehensive exam)

Choose two of the following:

PHYS 530B Electromagnetic Theory II (3)

PHYS 555B Quantum Physics II (3)

PHYS 516 Statistical Mechanics and Thermodynamics (3)

PHYS 554 Solid State Physics (3)

Plan B (PHYS 598 Thesis)

Choose one of the following:

PHYS 530B, 555B, 516 or 554,

Plus

PHYS 599 Independent Graduate Research (3)

Plan C (PHYS 597 Project)

Choose one of the following:

PHYS 530B, 555B, 516 or 554

Plus

PHYS 599 Independent Graduate Research (3)

Electives (8-12 units)

Electives are chosen in consultation with the graduate adviser. Electives may be chosen from any 400- or 500-level physics course with the exception of any courses which were used to satisfy baccalaureate degree requirements. In cases where the research objectives or career goals are interdisciplinary in nature, courses may be chosen in other fields (e.g., mathematics, chemistry, engineering, biology, geological science, science/teacher education).

Project, Thesis or Comprehensive Exam (0-4 units)

PHYS 597 Project (1-3)

OR PHYS 598 Thesis (1-6)

OR Comprehensive Exam

PHYSICS COURSES

Courses are designated as PHYS in the class schedule.

A grade of "C" (2.0) or better is required in all prerequisite courses. Prerequisite requirements with exception of the grade requirement may be waived by the instructor of the course if the instructor is satisfied that the student is qualified to undertake the course.

101 Survey of Physics (3)

Basic concepts of physics for the non-science major. Physical concepts in real-world contexts such as global warming. How our ideas about motion, energy, heat and temperature, light and color, electricity, and atoms form a framework for understanding the natural world.

101L Survey of Physics Laboratory (1)

Corequisite: PHYS 101. Experiments that demonstrate important concepts in astronomy and physics. For non-science majors.

102 Physical Science for Future Elementary Teachers (3)

Designed especially for the prospective elementary teacher, this activity-based course examines physical science concepts in real-world contexts such as global warming, kitchen science and the automobile. Lecture and laboratory is combined into a single unified learning experience. (Same as CHEM 102)

115 Introductory Physics (4)

Prerequisites: high school algebra, geometry and intermediate algebra. Development of problem solving skills in basic physics. For students with limited background in physics who plan to take additional physics courses. Does not fulfill physics requirements for majors or minors in the physical or biological sciences. (3 hours lecture, 1 hour recitation)

120 Introduction to Astronomy (3)

Prerequisite: high school algebra recommended. Celestial motion, the solar system, galactic structure, theories of the origin of the universe and the solar system.

211 Elementary Physics (3)

Corequisites: MATH 130 or 150A, PHYS 211L. Introduction to mechanics and thermodynamics. Designed for life and health science majors.

211L Elementary Physics: Laboratory (1)

Corequisite: enrollment in PHYS 211. Laboratory for PHYS 211. (3 hours laboratory). Instructional fee required.

212 Elementary Physics (3)

Prerequisite: PHYS 211 with a "C" (2.0) or better. Corequisite: PHYS 212L. Introduction to electricity and magnetism, wave motion and optics. Designed for life and health science majors.

212L Elementary Physics: Laboratory (1)

Corequisite: enrollment in PHYS 212. (3 hours laboratory). Laboratory for PHYS 212. Instructional fee required.

225 Fundamental Physics: Mechanics (3)

Prerequisite: MATH 150A. Corequisite: PHYS 225L. Classical Newtonian mechanics; linear and circular motion; energy; linear/angular momentum; systems of particles; rigid body motion; wave motion and sound.

225L Fundamental Physics: Laboratory (1)

Corequisite: enrollment in PHYS 225 (3 hours laboratory). Laboratory for PHYS 225. Instructional fee required.

226 Fundamental Physics: Electricity and Magnetism (3)

Prerequisites: MATH 150B, PHYS 225 or equivalent; concurrent enrollment in PHYS 226L. Electrostatics, electric potential, capacitance, dielectrics, electrical circuits, resistance, emf, electromagnetic induction, magnetism and magnetic materials, and introduction to Maxwell's equations.

226L Fundamental Physics: Laboratory (1)

Corequisite: enrollment in PHYS 226 (3 hours laboratory). Laboratory for PHYS 226. Instructional fee required.

227 Fundamental Physics: Waves, Optics, and Modern Physics (3 or 1)

Prerequisite: PHYS 226 with a "C" (2.0) or better, or equivalent. Corequisite: enrollment in PHYS 227L laboratory except for Biochemistry, Chemistry and Mechanical Engineering majors who may enroll for one unit credit (optics component). All others must enroll for three units credit. Geometrical and physical optics, wave phenomena; quantum physics, including the photoelectric effect, line spectra and the Bohr atom; the wave nature of matter, Schrodinger's equation and solutions; the Uncertainty Principle; special theory of relativity.

227L Fundamental Physics: Laboratory (1)

Corequisite: Enrollment in PHYS 227 (3 hours laboratory). Laboratory for PHYS 227. Instructional fee required.

300 Survey of Mathematical Physics (3)

Prerequisite: MATH 250A. Mathematical techniques required for upper-division physics courses, including differential vector operators, complex variables, partial and ordinary differential equations, special functions, Fourier transforms and series, matrices and operators, probability and statistics.

301 Energy and Sustainability (3)

Prerequisites: completion of general education requirement in physical science or earth and astronomical science. Basic physical principles applied to the generation and use of energy. Conventional and alternative energy sources. Environmental consequences of energy use, greenhouse effect, global warming. Energy conservation principles. One or more sections offered online.

310 Thermodynamics, Kinetic Theory, and Statistical Physics (3)

Prerequisites: PHYS 227. Laws of thermodynamics with physical, chemical and engineering applications; kinetic theory of gases. Introduction to statistical physics with reexamination of laws of thermodynamics.

315 Computational Physics (3)

Prerequisite: PHYS 227. Previous computing experience recommended. Basic numerical methods in physics. Applications may include curve fitting and minimization, numerical simulation of classical particles, waves and Fourier analysis, quantum square well, Monte Carlo methods and diffusion. Hands-on computing with high-level languages, graphics and symbolic mathematics. (1 hour lecture, 4 hours activity)

320 Classical Mechanics (4)

Prerequisites: PHYS 227, PHYS 300. Classical mechanics and associated mathematical and numerical techniques: Newtonian dynamics; Lagrangian and Hamiltonian dynamics.

330 Electromagnetic Theory (4)

Prerequisites: PHYS 227, 300. Applications of vector calculus and Maxwell's equations to the propagation of EM waves in dielectrics, plasmas, and conductors. Selected topics in radiation, diffraction, and Eigen function expansions of static and waveguide fields.

340 Modern Physics (4)

Prerequisites: PHYS 227, 300. Modern physical theories, their experimental foundations and applications: special relativity; quantum physics; introduction to solid state physics.

380 Methods of Experimental Physics (3)

Prerequisite: PHYS 226. Experiments using analog, digital, and integrated circuits, including filtering circuits, diodes, transistor amplifiers, operational amplifiers, triggers, and digital logic. Introduction to automated experimentation. (1 hour lecture, 6 hours laboratory). Instructional fee required.

411 Modern Optics (3)

Prerequisites: PHYS 300, 330 or 340. Wave propagation. Fourier optics, introduction to spatial filtering and image enhancement, lasers, analytical ray tracing, matrix methods in optics.

416 Thermal and Statistical Physics (3)

Prerequisites: PHYS 300, 310. Disciplines of thermodynamics statistical mechanics and kinetic theory (and their applications); their unifying microscopic foundation.

454 Introduction to the Solid State of Matter (3)

Prerequisites: PHYS 300, 340. Physical properties of matter in the solid state, as explained by atomic theory. Crystal structure, thermal, electric and magnetic properties of metals, semi-conductors, band theory and solid state devices.

455 Introduction to Quantum Physics (3)

Prerequisites: PHYS 300, 340. Concepts and theory of quantum physics. Early quantum theories, the Schroedinger equation, Eigenvalue equations, operators, commutation properties, applications to simple quantum systems, angular momentum.

460T Advanced Topics in Contemporary Physics (3)

Prerequisites: upper-division standing in physics and consent of instructor and department chair. Advanced lecture course covering a field of physics of current interest not covered in other courses, such as plasma physics, superconductivity, solid state devices, fiber optics and photonics, astrophysics, subatomic physics. May be repeated for credit with a different topic.

476 Atomic/Molecular Physics (3)

Prerequisite: PHYS 300, 340. Theory of atoms and small molecules including perturbation methods. Topics include the interaction of atoms and molecules with electric and magnetic fields and electromagnetic radiation, angular momentum coupling, anti-symmetrization, and the spectroscopy of atoms and simple diatomic methods.

481 Experimental Physics (3)

Prerequisite: PHYS 300, 380. Techniques and methods of experimental physics including: use of sensors, transducers, time series, power spectra, phase sensitive detection, computer interfacing and signal conditioning. Experiments cover several areas of physics. (1 hour lecture, 6 hours laboratory). Instructional fee required.

482 Modern Optics Laboratory (3)

Prerequisites: PHYS 340, 380, 411 recommended. Experiments in optics, including Fourier optics, holography, fiber optics, diffraction, interferometry, laser physics, light scattering and optical detection, including photon counting and photographic techniques. (1 hour lecture, 6 hours laboratory). Instructional fee required.

495 Internship (1-3)

Prerequisites: junior or senior standing in physics and consent of the chair. Professional physics work in industry or government to provide an in-depth experience. Written report required. May be repeated once for credit.

496 Student-to-Student Tutorials (1-3)

Prerequisites: upper-division standing and consent of chair. Learn through teaching, increase mastery of subject matter, develop awareness of teaching problems and competence in teaching techniques. Consult "Student-to-Student Tutorials" in this catalog for more complete course description.

499 Independent Study (1-3)

Prerequisite: approval of study plan by department chair and instructor. Topic in physics, selected in consultation with and completed under the supervision of the instructor. May be repeated for credit to a maximum of six units.

510 Mathematical Physics (3)

Prerequisite: PHYS 300. Advanced techniques in mathematical physics: calculus of variation, coordinate transformations, tensor analysis, special functions, series solutions of differential equations, orthogonal functions, partial differential equations, numerical techniques for the solution of differential equations, complex variables, integral transforms, probability, Monte Carlo methods.

516 Statistical Mechanics and Thermodynamics (3)

Prerequisite: PHYS 310 or equivalent upper-division thermodynamics, PHYS 510. PHYS 520 recommended. Fundamental principles of classical and quantum statistics. Non-interacting Boltzmann, Bose and Fermi systems. Superconductivity, BE condensation and phase transitions. Fluctuation and kinetic theory, interacting particles via Monte Carlo techniques. Laws of thermodynamics and applications.

520 Analytical Mechanics (3)

Prerequisites: PHYS 330, 510. Advanced techniques for solution of problems in classical mechanics: Lagrangian and Hamiltonian formulations of the equations of motion, variation techniques, conservation theorems, canonical transformations, Hamilton-Jacobi theory, numerical techniques, selected applications.

530A Electromagnetic Theory I (3)

Prerequisite: PHYS 330. Corequisite: PHYS 510. Classical electro-magnetic theory: boundary value problems in electrostatics, multipoles, electrostatics of macroscopic media, magnetostatics, time-varying fields, Maxwell's equations, plane electromagnetic waves and wave propagation.

530B Electromagnetic Theory II (3)

Prerequisites: PHYS 510, 530A. Advanced electromagnetic theory: wave guides and cavities, radiating systems, scattering, diffraction, relativistic effects, collisions between charged particles, radiation from moving charges, multipole fields, radiation damping, absorption and radiation by sound systems.

554 Solid State Physics (3)

Prerequisites: PHYS 510, 555A. Fundamental physics of matter in solid state systems. Crystal structure, metals (Drude theory, Sommerfeld theory, band structure, semiclassical model of electron dynamics, magnetic properties, phonons in metals); semiconductors and superconductors; experimental techniques.

555A Quantum Physics I (3)

Prerequisites: PHYS 340, PHYS 455 recommended. Corequisite: PHYS 510. Principles and techniques of modern quantum mechanics, applications to simple three-dimensional systems, properties of angular momentum.

555B Quantum Physics II (3)

Prerequisites: PHYS 510, 555A. Corequisite: PHYS 520. Advanced topics in quantum physics: scattering theory, electron spin, perturbation theory and applications, approximation methods for time dependent problems, systems of identical particles.

560T Advanced Topics in Contemporary Physics (3)

Prerequisites: PHYS 510 and consent of instructor. Current advances and research topics in physics, including atomic physics, quantum electrodynamics, fiber optics/ photonics. May be repeated once for credit with a different topic.

597 Project (1-3)

Planning, preparation, and completion of a project in partial fulfillment of the requirements for the master's degree. Credit to be obtained only upon formal completion of a project paper approved by the department graduate committee.

598 Thesis (1-6)

Planning, preparation and completion of an acceptable thesis in partial fulfillment of the requirements for the master's degree. Credit to be obtained only upon formal submission of thesis.

599 Independent Graduate Research (1-3)

Prerequisite: written approval of study plan by department committee and by instructor. Open only to graduate students and only with consent of a faculty member. May be repeated for credit.



Political Science

College of Humanities and Social Sciences

DIVISION OF POLITICS, ADMINISTRATION AND JUSTICE

DIVISION CHAIR

Raphael J. Sonenshein

DIVISION OFFICE

University Hall 511

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<http://hss.fullerton.edu/polisci>

PROGRAMS OFFERED

Bachelor of Arts in Political Science

Minor in International Politics

Minor in Law, Politics and Society

Minor in Political Science

Master of Arts in Political Science

FACULTY

Michelle Arsneault, Bert Buzan, Pam Fiber-Ostrow, Phillip Gianos, Sarah Hill, Matthew Jarvis, Myungjung Kwon, Don Matthewson, Alana Northrop, Valerie O'Regan, Paul Peretz, Mark Redhead, Choudhury Shamim, Alexei Shevchenko, Raphael Sonenshein, Scott Spitzer, Stephen Stambough, Yuan Ting, Justin Tucker

INTRODUCTION

Political science is the study of people's behavior as it relates to power and public organizations. The discipline is normally divided into six subfields: political philosophy, American politics, public administration, public law, comparative government and international politics.

A major in political science prepares students for law school, government employment on the local, state and national levels, foreign service, teaching, business, journalism, or leadership in civic and political activities.

LEARNING GOALS AND STUDENT LEARNING OUTCOMES

The following goals and learning outcomes have been established for students pursuing a degree in Political Science:

Knowledge

- Understand the relevance for politics and policy-making of formal political institutions, rules, and processes in the U.S. and cross-nationally
- Understand the relevance for politics and policy-making of non-institutional aspects of politics, including the roles of class, race, gender, religion, and political beliefs in the U.S. and cross-nationally
- Understand and use different theories and methods of studying politics including understanding the role of theory, both normative and empirical, in political analysis and argumentation
- Understand and use interdisciplinary knowledge important to the study of politics

Experience

- Be provided with the opportunity through internships to experience politics directly

Skills

- Demonstrate proficiency in the use of various tools of analysis, including library research, computer skills, and data analysis techniques
- Be able to think and write clearly, critically and intelligently about politics

BACHELOR OF ARTS IN POLITICAL SCIENCE (120 UNITS)

The Bachelor of Arts in Political Science requires 48 units in the major: 39 units in Political Science and 9 upper-division units in related disciplines such as American studies, anthropology, criminal justice, economics, geography, history, philosophy, psychology, sociology and statistics. POSC 100, a graduation requirement for all students, is not part of the major, but is a prerequisite to further work in political science. No more than 12 units total may be in the lower division.

Introductory Requirements (3 units)

POSC 200 Introduction to the Study of Politics (3)
OR POSC 201 Methods and Skills in Political Science (3)
OR department-approved substitute

Political Philosophy Requirement (3 units)

POSC 340 Political Philosophy (3)

Breadth Requirements (12 units)

Choose four from the following:

POSC 310 Political Behavior and Motivation (3)
OR POSC 315 Politics and Policy Making in America (3)
POSC 320 Introduction to Public Management and Policy (3)
POSC 330 Politics in Nation-States (3)
POSC 350 World Politics in the 21st Century (3)
OR POSC 352 American Foreign Policy (3)
POSC 375 Law, Politics and Society (3)

Research Methods Requirement (3 units)

Choose one of the following:

POSC 321 Research in Public Management (3)
POSC 376 Legal Tools for Political Research (3)
POSC 407 Polls, Statistics and Political Interpretation (3)

Related Fields (9 upper-division units)

Students must complete nine approved units in related disciplines. The department maintains a list of pre-approved courses that students can obtain from an adviser, the department office or their Titan Degree Audit (TDA). Students who wish to use other courses from related disciplines should obtain the approval of a department adviser.

Upper-Division Writing Requirement

Political Science majors fulfill the university's upper-division writing requirement by completing two upper-division classes specially approved for this purpose. Please check with the department office for a current list of qualifying classes.

Electives for the Major (18 units)

Choose six other courses in political science sufficient to achieve a total of 39 units. The upper-division writing requirement is normally fulfilled by choosing appropriate electives.

MINOR IN INTERNATIONAL POLITICS (18 UNITS)

The minor must include 12 units in political science. Twelve units must apply exclusively to the minor. POSC 100, 200, 330 and 350 are required. The remaining units must be taken from POSC 352 or 457, COMM 426, ECON 330, 335, HIST 480D and POSC 331, 431T, 434, 438, 451T, 456, 461, or 476. Students who wish to specialize in a specific geographical area are encouraged to investigate the possibility of taking related units in anthropology, economics, foreign languages, geography, history and literature, etc.

MINOR IN LAW POLITICS AND SOCIETY (18 UNITS)

Course requirements for the minor include POSC 375 and 15 units of electives. From the following list, students take at least one course from at least three different departments, and no more than three courses from any one department. All courses listed carry three semester units of credit: CRJU 330 or SOCI 413; CRJU 465, 485, 486; CHIC 360; HIST 480A, 480B; PHIL 355; POSC 472, 473, 474, 475, 476, 492; PSYC 317; SOCI 365. Twelve units must apply exclusively to the minor.

MINOR IN POLITICAL SCIENCE (18 UNITS)

The minor comprises political science courses, 12 of which are upper-division. POSC 100, a graduation requirement, counts toward the minor. Twelve units must apply exclusively to the minor.

MASTER OF ARTS IN POLITICAL SCIENCE (30 UNITS)

The degree is designed both to enlarge and deepen the competence of political science students. It is especially planned for the professional improvement and advancement of high school and community college teachers, government employees and military personnel. It also prepares students for entering a doctoral program in political science or for law school. The M.A. program provides training and preparation for journalists, special librarians and research staffers and for all people active in civic affairs and political life.

Admission to Graduate Standing – Conditionally Classified

University requirements include a baccalaureate from an accredited institution and a grade-point average of at least 2.5 in the last 60 semester units attempted.

In addition to the university requirements, acceptance into the M.A. in the political science program requires a grade-point average of 3.0 in the major field and in all political science courses. If the major is not in one of the social sciences, the GPA requirement also applies to upper-division social science courses taken. If a student's GPA does not meet these criteria, the student may appeal to the department's graduate committee for a waiver.

Normally, admission to the master's program requires that a student possess a bachelor's degree in political science, a minor in political science or a major in an allied social science field with a minimum of 15 units of political science courses. For those without such a background, the M.A. Coordinator may require the applicant to take a group of upper-division political science courses at the 300 and/or 400 level (not more than nine units of which will be at the 300 level) prior to admission to the program. This requirement is to assure that the student will be prepared for graduate-level work in the discipline of political science.

In addition to the above requirements, applicants need to submit a writing sample to the M.A. Political Science Coordinator.

Graduate Standing – Classified

A student admitted to conditionally classified status may apply for classified standing, which requires development of an approved study plan prior to completion of nine units. Refer to the "Graduate

Regulations” section of this catalog for further information on classified standing and general study plan requirements.

STUDY PLAN

Each candidate for a degree should, in consultation with the graduate adviser, arrange for the appointment of a graduate committee, composed of three faculty members, one of whom will serve as chair. This committee will approve the study plan, conduct the examination(s) and supervise the thesis if the student chooses that option.

Required Seminar Work in Political Science (15 units)

Students are required to take a minimum of one seminar each semester until completion of the entire sequence.

Scope and Theory of Political Science

POSC 540 Seminar Readings in Political Philosophy (3)

POSC 541 Seminar in Contemporary Political Theory (3)

American Politics/Public Affairs

POSC 511 Seminar in American Politics (3)

POSC 519 State and Local Government (3)

OR POSC 509 Administrative Organization and Process (3)

OR POSC 525 Seminar in Metropolitan Area Government (3)

OR POSC 528 Seminar in Public Administration and Policy (3)

Cross-National Politics

POSC 530 Seminar in Cross-National Politics (3)

OR POSC 551 Seminar in Theories of International Relations (3)

400- and 500-Level Elective Coursework (9-15 units)

Adviser-approved political science classes in a student’s chosen area of specialization. They may include, where appropriate, 599 Independent Graduate Research (6 units maximum).

No more than nine units taken prior to classified standing may be applied to a student’s study plan. No more than nine units taken at another institution may be transferred, and these must be approved by the adviser, committee and Office of Graduate Studies.

Culminating Experience (0-6 units)

POSC 597 Project (3-6)

OR POSC 598 Thesis (3-6)

OR Comprehensive Exam (0)

Research Skills

Each candidate must demonstrate one of the following:

1. a reading knowledge of a foreign language. Students must complete this requirement by passing an examination; or
2. proficiency in quantitative research skills, including data analysis and research design as demonstrated by successful completion of POSC 407 Polls, Statistics and Political Interpretation, or its equivalent.

Culminating Experience Requirements for the M.A. in Political Science

Students select one of the following three options to complete the program, after consulting with the program adviser.

1. A comprehensive written and oral exams in: (a) the scope and theory of political science; (b) American politics/public affairs; and (c) cross-national politics. All three sections must be successfully completed or the entire examination must be retaken. The examination has a written and an oral component. A student who does not pass the written portion is ineligible to take the oral component. The examinations may be retaken only once after an initial failure.
2. A thesis completed in accord with university regulations on theses, to include an oral defense. This option may be especially desirable for students planning on further graduate work at the doctoral level. Students selecting this option may take up to six units in thesis credit.
3. Completion and oral defense of a project, including a required oral defense and possible class presentations depending on the project topic. Students selecting this option may take up to six units of credit associated with completion of the project. The project option is intended for students interested in community college teaching or in working in practical politics.

For advisement and further information, consult the M.A. in Political Science adviser.

POLITICAL SCIENCE COURSES

Courses are designated as POSC in the class schedule.

POSC 100 or its equivalent is the prerequisite for all upper-division political science courses. Prerequisites may be waived only with consent of instructor.

100 American Government (3)

People, their politics, and power; contemporary issues, changing political styles and processes, institution and underlying values of the American political system. Satisfies state requirements in U.S. Constitution and California State and local government. One or more sections offered online.

200 Introduction to the Study of Politics (3)

Introduction to the study of politics in general, not simply American politics. Explores the many faces of politics all over the world, examining its relationship to morality, culture, economics, justice and international affairs both theoretically and practically.

201 Methods and Skills in Political Science (3)

Pre- or corequisite: POSC 100. Basic skills and methods for Political Science majors, including framing and clarifying research questions, using and assessing research resources, and the use and assessment of qualitative and quantitative methods of research.

298 Political Externship (3)

Politics for the non-major or beginning political science student. Work in campaigns or offices of elected public officials; supervision by faculty and cooperating agency; seminars and individual conferences. May be repeated once.

300 Contemporary Issues in California Government and Politics (3)

Prerequisite: POSC 100. Political process in state and local institutions; crisis in the cities, flight to the suburbs and race relations. Comparisons will be made with other states and their subdivisions. Satisfies state requirement in California state and local government.

309 Introduction to Metropolitan Politics (3)

Prerequisite: POSC 100. Inner city and suburbia. Political processes: power in the city, the urban-suburban relationship, political fragmentation and the national government in urban areas.

310 Political Behavior and Motivation (3)

Prerequisite: POSC 100. Analyzes issues and divisions in American politics. Focus on race, class, ideology and party.

312 Contemporary Issues in Conflict (3)

Prerequisite: POSC 100. Through opinionated debate and discussion between two professors with opposing viewpoints, explore current conflicts in federal and state elections, as well as other public issues. Open discussion encouraged.

315 Politics and Policy Making in America (3)

Prerequisites: POSC 100 and completion of General Education (G.E.) Category D.1. Federal domestic policy making. Structure, functions and relationships among American national institutions, including executive, legislative and judicial branches, media, political parties and pressure groups.

317 Black Politics (3)

(Same as AFRO 317)

320 Introduction to Public Management and Policy (3)

Prerequisites: POSC 100 and completion of G.E. Category D.1. Introduction to the field of public administration. Current trends and problems of public sector agencies in such areas as organization behavior, public budgeting, personnel, planning and policy making. Emphasized examples and cases from the Criminal Justice field. (Same as CRJU 320)

321 Research in Public Management (3)

Prerequisite: POSC 100 and POSC 320 (may be taken concurrently). Research concepts, computer applications and information management applied to public administration and policy analysis. Instructional fee.

322 Leadership for Public Service (3)

Prerequisites: POSC 100, 200 or other course that fulfills G.E. Category D.1. Conceptions of leadership as applied in governmental and nonprofit sectors. Types of leader; tools for leaders; leadership in public policy-making settings. Includes student project and extend leadership concepts; participation in CSUF Student Leadership Institute or similar activity. (Same as CRJU 322)

330 Politics in Nation-States (3)

Prerequisites: POSC 100 and completion of G.E. Category D.1. Compares patterns of political behavior and interaction in various political systems.

331 Third World Politics Through Literature (3)

Prerequisite: POSC 100. Comparative political life and circumstances of developing countries as depicted in their literature. In this literature we see the political problems, cultural underpinnings and governmental structures as they affect Third World peoples in their struggle to survive and grow.

340 Political Philosophy (3)

Prerequisites: POSC 100 and completion of the G.E. Category C.2. Major thinkers in the Western tradition of political philosophy from Plato to the present; the principal concepts and theories.

350 World Politics in the 21st Century (3)

Prerequisites: POSC 100. Political relationships among governments and other participants within the global system: internal and external factors influencing foreign policies of the great powers, their allies and minor powers; role of non-state actors such as the United Nations, multinational corporations and liberation movements.

352 American Foreign Policy (3)

Prerequisites: POSC 100 and completion of G.E. Category D.1. United States foreign policy since World War II. Institutions and bureaucracies of foreign policy decision making, military and national security policy, domestic sources of foreign policy.

361 Model United Nations (3)

Prerequisites: POSC 100 and prior MUN experience. A practical decision-making course where students participate in the national MUN conference in New York and others in California. Current politics in the UN and delegate preparation with emphasis on the art of lobbying, negotiation, bargaining and diplomacy.

375 Law, Politics and Society (3)

Prerequisites: POSC 100 and completion of G.E. Category D.1. Law as emergent from political processes, rooted within social norms and communities. Law as a feature of the modern state, a tool for seeking advantage, domination and/or liberation. An overview of legislative, judicial, administrative and other political processes that produce law.

376 Legal Tools for Political Research (3)

Prerequisites: POSC 100 and POSC 375 (may be taken concurrently). Research concepts, techniques and legal tools applied to an individual research project in public law. Useful pre-law course.

381 Religion and Politics in the United States (3)

(Same as CPRL 381)

403 Politics and Policy in Sacramento (3)

Prerequisites: POSC 100 and completion of G.E. Category D.1. Nature of policy making in California's state capital. Persistent policy themes and constraints; current issues in education policy. Required three-day trip to Sacramento for seminars and policy briefings. Class times prior to Sacramento visit may vary.

404 Capital Punishment (3)

(Same as CRJU 404)

405 Campaigns and Elections (3)

Prerequisite: POSC 100. Modern political campaigns in America focusing on new types of candidates and electoral organizations; money, media and consultants; and methods of predicting and interpreting election results.

407 Polls, Statistics and Political Interpretation (3)

Prerequisite: POSC 100. Quantitative research methods in political science. Introduction to research design and statistical measures employed in analyzing social science research data.

408 The Politics of Los Angeles (3)

Prerequisite: POSC 100. Politics in Los Angeles, with special attention to race, class, ethnicity and power. Comparative view places Los Angeles in big-city politics and in global perspective.

410 Political Parties (3)

Prerequisite: POSC 100. Structure and methods by which the political parties operate in the American political system with some comparisons to their structure and operation in other democratic societies.

411 Art of Administration (3)

Prerequisite: POSC 100. Public administration as "art" rather than "science." Administrative novels and other fictional literature, and other audio-visual media.

412 Practicing Politics (3)

Prerequisite: POSC 100. Politics as practiced and understood by practitioners of the art. A seminar that features guest lecturers and focuses on electoral politics.

413 U.S. Congress (3)

Prerequisite: POSC 100. Who gets elected to Congress, how it works and how it interacts with other institutions. Congressional elections, committees, parties, staff and how Congress responds to pressures and exerts influence.

416 Presidents and the Presidency (3)

Prerequisite: POSC 100. Presidential power, the resources on which that power is based and the limitations on the use of that power. Relations between the President and Congress, the bureaucracy, the press and the public.

417 Film and Politics (3)

Prerequisite: POSC 100. American politics from the 1920s to the present as seen through eyes of film-makers. Besides viewing films, students will read material relevant to films and write several papers linking film themes to the literature of American politics.

421 Government and the Economy (3)

Prerequisite: POSC 320 or any economics course. Regulation and deregulation of business. Industrial policy. Government taxes and expenditures. Emphasizes national government.

422 Human Resources Management (3)

Prerequisite: POSC 320. Civil service and the merit system; recruitment procedures and examinations; position classification, salary structures, retirement plans, in-service training, employee organizations and personnel supervision. Examples and cases from the Criminal Justice field emphasized. Emphasis on themes and topics from Criminal Justice. (Same as CRJU 422)

423 Gender Issues in Public Management (3)

Prerequisite: POSC 320. Disparities in public employment related to gender, including leadership, mentoring, recruitment, training, decision-making and discrimination. Attention to topics of current interest, including "sticky floors and glass ceilings," comparable worth and diversity.

427 Policy-Making: Urban/Metropolitan Issues (3)

Prerequisite: POSC 100. Policy issues and alternatives in urban and metropolitan problem areas, such as law enforcement, transportation, housing or poverty.

431T Government and Politics of a Selected Area (3)

Prerequisite: POSC 100. A systematic analysis of individual nation-states set against the backdrop of history, culture and economic circumstances in each case. May be repeated for credit.

434 The Asia-Pacific in World Affairs (3)

Prerequisite: POSC 100. Comparison of the politics of Japan and China illuminates both similarities and differences in the premises, processes and policies of these two Asian giants.

437 Latin American Politics (3)

Prerequisite: POSC 100. Systematic analysis of government and politics in selected Latin American states. Considers democratization, state structures, relation of politics to economics and alternative theories and approaches to comparative political analysis as applied to a region marked by ethnic and racial diversity.

438 Western European Democracies (3)

Prerequisite: POSC 100. Comparative study of the government and politics of Western European democracies, including their cooperation within the European Union. Domestic as well as foreign policies will be analyzed.

8442T Problems in Political Philosophy (3)

Prerequisite: POSC 340 or 341. Current issues and problems in political philosophy in the context of major global events and trends. See department for exact title and topics in a given semester. May be repeated for credit.

445 Globalization, Justice and Democracy (3)

Prerequisite: POSC 340. Examines changing conceptions of democracy and social justice controversies spawned by early 21st century forms of globalization.

446 Corruption, Ethics and Public Policy (3)

Prerequisite: POSC 100. Ethical problems that face persons in the public service. Focuses on practical decision-making.

448 Media and Politics (3)

Prerequisite: POSC 100. Structure and influence of the media in campaigns and government. Key topics include: the relationship between media and politicians; the use of campaign advertising; and the stature and limits of investigative journalism.

451T Problems in International Politics (3)

Prerequisite: POSC 100. Selected problems in contemporary world politics. Topics include international responses to terrorism, China in international affairs, U.S. grand strategy after the Cold War and 9/11. May be repeated for credit.

456 The National Security Establishment (3)

Prerequisite: POSC 100. Conflicting theories of national security, the functions of defense and intelligence bureaucracies in foreign and domestic policy making, problems of arms control and the dangers to democratic values and institutions posed by the technology of national security.

457 Politics of International Economics (3)

Prerequisite: POSC 100. Link between economics and international politics. Political economy of free trade and imperialism, of neo-colonialism and foreign aid.

460 The Chicano and Politics (3)

(Same as CHIC 460)

461 The United Nations and International Organizations (3)

Prerequisite: POSC 100. Structure, functions and political processes of the United Nations, various specialized organizations such as the World Bank and regional organizations such as the European Community.

471 Moot Court: Legal Practicum (3)

Prerequisite: POSC 375, 473, 474, CRJU 310A/B, 485 or POSC/CRJU 472; open to undergraduates only. Prepares students for competition. Legal research, writing, court strategies and oral argument; civil liberties law, cases and adjudication; appellate court review and amicus brief reading and writing.

472 The Judicial Process (3)

Prerequisite: CRJU 300 or POSC 375. Nature, functions and roles of courts. Roles of major participants in the American legal system, including judges, attorneys and citizens. Administration of justice as a system. (Same as CRJU 472)

473 Introduction to Constitutional Law (3)

Prerequisite: POSC 100. Role of the courts, presidency, Congress and states within the U.S. constitutional system. Topics include judicial review, presidential impoundment and impeachment, presidential foreign and military powers, regulation of the economy and public morals and congressional investigations.

474 Civil Liberties (3)

Prerequisite: POSC 100. Political analysis of case studies in constitutional rights and liberties with particular attention to relationships between the individual and government under the Bill of Rights and the 14th Amendment. Topics include economic regulation, criminal justice, privacy, gender and racial discrimination.

475 Administrative Law (3)

Prerequisite: POSC 100. Law as it affects public officials and agencies in their relations with private citizens and the business community. Case materials and regulatory practices.

476 International Law (3)

Prerequisite: POSC 100. Introduces the fundamentals or building blocks of international law and covers other selected topics that are traditionally identified as part of public international law.

478 Urban Planning Principles (3)

(Same as GEOG 478)

484 Urban Planning Methods (3)

(Same as GEOG 484)

485 Women and Politics (3)

Prerequisite: POSC 100. Changing political environment and women's role in elected, appointed and other public agencies; issues of particular concern to women, including family issues, comparable worth and other economic issues and political participation. Not applicable for graduate degree credit. (Same as WMST 485)

492 Prelaw Internship (3)

Prerequisite: POSC 100. Acquaints students with the legal profession. A supervised working commitment of eight hours weekly with an assigned individual or organization. May be repeated for up to 6 units. (Same as CRJU 492)

493 Teaching Internship (3)

Prerequisites: completion of 27 units of Political Science. Integrative overview of American government or of the discipline of Political Science. Classroom instructional activities in freshman and sophomore introductory classes under faculty supervision. Designed for students interested in teaching government/political science.

494 Honors Tutorial in Politics (1)

Prerequisites: POSC 100, senior standing and admission to Honors in Political Science. This is the core course for the Honors in Political Science program. Attendance at presentations by political scientists and critiques thereof. The culminating research for the Honors work will be presented in the tutorial.

497 Internship in Public Administration (3)

Prerequisites: POSC 320 or 509. Students work 12-20 hours per week as supervised interns in a public agency. Supervision by the faculty and cooperating agency. In addition, a weekly seminar.

498 Internship in Politics (3)

Prerequisites: POSC 100, political science concentration and consent of instructor. Students work 8-12 hours per week with elected officials or candidates for elective office. Individual supervision by the faculty and cooperating individuals. Interns meet with instructor by arrangement. May be repeated for credit.

499 Independent Study (1-3)

Prerequisite: open to advanced students in political science with consent of department chair.

501 Political Science Research Design (3)

Research design, including issues of measurement, design, sampling, experiments, qualitative and quantitative methodologies.

503 Aging and Public Policy (3)

(Same as GERO 503 and SOCI 503)

509 Administrative Organization and Process (3)

For graduate students in public administration who have not had an introductory course in public administration. Organizational theory and practice, decision-making, systems analysis, performance evaluation and administrative improvement.

511 Seminar in American Politics (3)

Prerequisite: consent of instructor. The political process in the United States.

514 Seminar in American Political Development (3)

Prerequisite: classified graduate standing. Read foundational literature in the field and study the development of America's political system, from the nation's founding through the present, employing diverse emphases and methods.

519 State and Local Government (3)

Structure, processes, functions and interrelationships of state and local governments in American society. State, county, municipal and special district government in California as compared with other states.

521 Seminar in Public Administration Theory (3)

Concepts, models and ideologies of public administration within the larger political system. Course restricted to students in their final six units of graduate work.

522 Seminar in Public Personnel Administration (3)

Topics in public personnel administration.

523 Administrative Research and Analysis (3)

Conceptual methods employed in administrative research and analysis: Organization and procedure of surveys, performance evaluation, social impact assessment, computer data analysis and report writing.

525 Seminar in Metropolitan Area Government (3)

Prerequisites: a course in basic statistics and POSC 320 or 509. Political and policy issues facing metropolitan America, and the capacity of governmental institutions to handle urban problems.

526 Administration and Systems Management (3)

Prerequisites: basic statistics and POCS 320, 309 or GERO 501 (pre- or corequisite). Management-oriented analysis of organizational behavior. Treatments of decision-making, leadership, communication, group dynamics and ethical aspects of organization. Application of theories of administration and systems management to public and volunteer programs and services for older adults, including residential institutions and community programs. (Same as GERO 526).

528 Seminar in Public Administration and Policy (3)

Interplay between public policy and program administration in federal government. Discussion of administrators' role in policy development, administrative discretion in implementing policy, use of political resources by administrators.

529 Seminar in Public Management Analysis (3)

Application of quantitative techniques to management and planning of public organizations. Topics include network analysis, capacity management, management information systems, productivity measurement, forecasting, cost-benefit analysis, simulation and marketing.

530 Seminar in Cross-National Politics (3)

Integration of international relations and comparative politics, emphasizing the interdependence of nations and non-state actors in the world political system.

540 Seminar Readings in Political Philosophy (3)

Foundations of contemporary political science through readings in the classics of political philosophy.

541 Seminar in Contemporary Political Theory (3)

Analysis of contemporary trends in the study of politics. Emphasizes behavioral political science, criticisms of it and current empirical approaches to the study of politics.

551 Seminar in Theories of International Relations (3)

Prerequisite: graduate student status. Introduction to theories of international relations, including theories of the balance of power, deterrence, arms races, alliances, international organizations, globalization and human rights.

560 Seminar in Administration of Justice (3)

Development and evaluation of judicial and police administration. Analyzes criminal justice policies, identification of researchable issues and examination of empirical research in the field. Unique properties of criminal justice management compared with public management generally.

571 Seminar in Public Finance (3)

Prerequisite: POSC 509. Surveys state and local budgeting and taxes. Local financial management and cost benefit analysis. Emphasizes local government in Southern California.

572 Seminar in Public Sector Human Resource Management (3)

Students who have taken POSC 422 for credit on study plan may not also take this course as part of study plan. Political and legal environments of public personnel management, the general and career civil services and political appointment system and introduces students to such personnel functions as selection, position classification, performance evaluation and compensation.

580 Emergency Management in Public Administration (3)

Comprehensive review of the state-of-the-art in prevention, warning, evacuation, rescue and recovery systems. Development of public policy relating to land use planning, recovery and issues of liability; intergovernmental relations and effective planning.

582 Organizational Development and Change (3)

Prerequisite: POSC 509 or 526. Perspectives and theories on organization change and development. Students will be introduced to a variety of concept skills and tools necessary to achieve organizational goals, deal with change and become a successful change agent. (Same as MGMT 582).

590T Selected Topics in Political Science (3)

Detailed examination of a selected new or developing area of political science. Emphasizes relevant literature and preparation and presentation of research papers. May be repeated for credit when covering a different topic.

597 Project (3-6)

Prerequisites: consent of instructor and graduate adviser. Culminating experience option for graduate students involving a significant undertaking focusing on applied work related to the student's interests, to be based on a combination of written work, creation of appropriate professional materials and presentations, to include a formal oral defense. May be repeated for maximum of 6 credit units.

598 Thesis (3-6)

Prerequisite: consent of instructor.

599 Independent Graduate Research (1-3)

Prerequisite: consent of department chair. To be taken only after or concurrent with the completion of the required 15 units of graduate seminars.