



## Naval Science

### (Navy Reserve Officers Training Corps)

For information on Naval ROTC courses, please see Military Studies in this catalog/schedule.

## Nursing

The following are the nursing education options and career paths for students at De Anza College. For specific program requirements, see Career and Curriculum Certificates and Degrees located elsewhere in this catalog.

Registered Nursing Program

L.V.N. Transition to R.N. Nursing Program

Continuing Education for Nurses

Refresher Program for Registered Nurses

Applications for the licensure programs (R.N., or L.V.N. Transition) are available after successfully completing the following: Nursing 50, the required prerequisites for the programs with a Grade point Average (GPA) of 3.0 or higher, and admission through the selection process for entrance. The curriculum of these programs is designed to prepare individuals for beginning professional nursing practice and to define and understand the legal scope of practice within each of the licensed nursing disciplines. The programs promote success in the ability to practice nursing effectively together as a professional team.

See The Department of Nursing Student Handbook for specific policies regarding admission, challenge, progression, and retention in the programs. The majority of courses are scheduled in the daytime. Generally, the nursing programs are not scheduled during the summer session. Costs of uniforms, books, malpractice insurance and miscellaneous supplies are estimated at \$4000 for the program. In addition, each student is responsible for his/her own transportation to the clinical agencies.

### Registered Nursing Program

Associated Degree Nursing Program is accredited by the California Board of Registered Nursing. The R.N. graduate is eligible to take the California State Board Examination for licensing (NCLEX - R.N.) Students are admitted to this program during the fall, winter, and spring quarters. The majority of courses are scheduled in the daytime. Generally, the R.N. Program is not scheduled in the summer session. The program, once admitted, (not including prerequisites) is six quarters in length.

### L.V.N. Transition to the Registered Nursing Program

(Current California L.V.N. license is required.) The L.V.N. Transition to the R.N. graduate is eligible to take the California State Board Examination for licensing (NCLEX - R.N.) Students are admitted throughout the year as advanced placements. The majority of courses are scheduled in the daytime. Generally, the program is not scheduled in the summer session. The program, once admitted, (not including prerequisites) is at least three quarters in length.

### Advanced Placement for Students with Prior Nursing Education

Students are admitted in advanced placement during the fall, winter, or spring quarter on a space available basis only. Placement depends on prior nursing education.

#### NURS 50 Career Opportunities in Nursing 2 Units

*Advisory: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163.*

*Two hours lecture.*

*Pass-No Pass (P-NP) course.*

Careers in the health field with emphasis on education and practice. Required course to obtain an application for De Anza's Nursing Programs except for Licensed Vocational Nurses.

#### NURS 54AL Fundamental Nursing (Non Acute/ Sub Acute Care Clinical) 5 Units

*Prerequisites: Nursing 50; Biology 26, 40A, 40B, 40C and 45; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Psychology 1 and 14; Speech 1 (or 10).*

*Corequisites: Nursing 54AL students must also enroll in Nursing 54AR and 54B.*

*Fifteen hours laboratory.*

*Pass-No Pass (P-NP) course.*

Clinical objectives will be met in the campus skill laboratory and in skilled and sub acute nursing facilities to apply theory concepts. Fundamental nursing care concepts will be introduced. Students will have ,ūhands-on,ū experiences with all basic concepts presented.

#### NURS 54AR Fundamental Nursing (Non Acute/Sub Acute Care) 4 Units

*Prerequisites: Nursing 50; Biology 26, 40A, 40B, 40C and 45; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Psychology 1 and 14; Speech 1 (or 10).*

*Corequisites: Nursing 54AR students must also enroll in Nursing 54AL and 54B.*

*Four hours lecture.*

Introduction to the foundation for entry into the field of nursing. Orem's model of self-care is used as the basis to study the health/illness continuum, the legal and ethical

issues, safety principles, and the process of coping related to nursing practice. Goal-directed therapeutic communication techniques, principles of medical and surgical asepsis, and safe administration of medications by non-parenteral routes will be introduced. The nursing process is also a basis for all client interactions. Beginning teaching/learning principles will be explored to assist the client toward self-care.

#### NURS 54B Pharmacology I 1 1/2 Units

*(Open to non-nursing students as well.)*

*Prerequisites: Nursing 50; Biology 26, 40A, 40B, 40C and 45; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Psychology 1 and 14; Speech 1 (or 10).*

*Corequisites: Nursing 54B students must also enroll in Nursing 54AL and 54AR, or Nursing 55AL and 55AR.*

*One and one-half hours lecture.*

Pharmacology I provides the basic foundation required for entry in the field of nursing. Legal/ethical issues and safety principles will be stressed throughout this course as an integral part of nursing practice. Beginning teaching/learning principles will be explored to assist the student to use effective techniques in self-care. The Nursing Process is used as a basis for all client interactions and Orem's model is integrated into this process.

#### NURS 54CL Acute Fundamentals/Medical Surgical I (Clinical) 5 Units

*Prerequisites: Nursing 54AL and 54AR; or 55AL and 55AR; and Nursing 54B, all courses with a grade of C or better.*

*Corequisites: Nursing 54CL students must also enroll in Nursing 54CR and 54D.*

*Fifteen hours laboratory.*

*Pass-No Pass (P-NP) course.*

Physical and psycho social, universal, developmental, and health deviation self-care requisites are addressed by utilization of the nursing process and Orem's model of self-care. Therapeutic communication techniques and teaching/learning principles are applied in assisting the medical/surgical client to move toward self-care. The student will be introduced to principles of safe administration of medications by parenteral routes, fluid and electrolyte theory application, and preparation and administration of intravenous infusions. Clinical assignments will focus on the perioperative client as well as medical health deviations discussed in theory class.

#### NURS 54CR Acute Fundamentals/Medical Surgical I 4 Units

*Prerequisites: Nursing 54AL and 54AR; or Nursing 55AL and 55AR;*

*Nursing 54B, all courses with a grade of C or better.*

*Corequisites: Nursing 54CR students must also enroll in Nursing 54CL and 54D.*

*Four hours lecture.*

Physical and psycho social, universal, developmental, and health deviation self-care requisites are addressed by utilization of the nursing process and Orem's model of self-care. The student will be introduced to principles of fluid and electrolyte theory, and safe administration of medication by parenteral and intravenous routes. The preoperative, intraoperative, and postoperative stages of the surgical patient will be discussed. A variety of medical-surgical health deviations will also be presented which has a more surgical emphasis. The student will learn gender, physiological, ethnicity, and age differences and similarities when discussing the health deviations and interventions.

#### NURS 54D Pharmacology II 1 1/2 Units

*(Open to non-nursing students with instructor approval.)*

*Prerequisites: Nursing 54AL and 54AR; or Nursing 55AL and 55AR; and Nursing 54B, all courses with a grade of C or better.*

*Corequisites: Nursing 54D students must also enroll in Nursing 54CL and 54CR.*

*One and one-half hours lecture.*

Pharmacology II provides students with a sound basis of pharmacology for entry into acute care nursing. Legal/ethical issues and safety principles will be stressed as an integral part of nursing practice. Teaching/learning principles will be expanded to assist the student in effective techniques in self care. Orem's model is used as a basis for all client interactions and is integrated into this process. The student will also incorporate principles of medical/surgical asepsis in the safe administration of medications by nonparenteral and parenteral routes with emphasis on parenteral routes.

#### NURS 54EL Perinatal Nursing (Clinical) 2 1/2 Units

*Prerequisites: Nursing 54CL, 54CR, and 54D, all courses with a grade of C or better.*

*Corequisites: Nursing 54EL students must also enroll in Nursing 54ER, 54FL, 54FR, 54GL, 54GR and 54HR.*

*Seven and one-half hours laboratory.*

*Pass-No Pass (P-NP) course.*

Clinical objectives will be achieved through student participation in nursing laboratory exercises, in acute hospital settings, and in selected community-based Women's Health Clinics. Assessment skills will be demonstrated by the instructor and practiced by the student before ,ūhands-on,ū implementation in the various clinical settings. Theory and clinical components are to be taken concurrently. Failure of either component requires both courses to be retaken.



**NURS 54ER Perinatal Nursing 2 Units**

*Prerequisites: Nursing 54CL, 54CR, and 54D, all courses with a grade of C or better.*

*Corequisites: Nursing 54ER students must also enroll in Nursing 54EL, 54FL, 54FR, 54GL, 54GR and 54HR.*

*Two hours lecture.*

Utilization of the Nursing Process and incorporation of Orem's model of self-care in meeting universal developmental health deviation self-care requisites of perinatal client and family. Focus is on the physical and psycho social needs of the perinatal client, including the needs of the family unit. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice. Theory and clinical components are to be taken concurrently. Failure of either component requires both courses to be retaken.

**NURS 54FL Pediatric Nursing (Clinical) 2 1/2 Units**

*Prerequisites: Nursing 54CL, 54CR, and 54D, all courses with a grade of C or better.*

*Corequisites: Nursing 54FL students must also enroll in Nursing 54EL, 54ER, 54FR, 54GL, 54GR and 54HR.*

*Seven and one-half hours laboratory.*

*Pass-No Pass (P-NP) course.*

Clinical objectives will be met in the campus skills laboratory, acute care facilities, and numerous community agencies to apply theory concepts. Theory and clinical must be taken concurrently. Failure of either requires both to be retaken. Critical thinking and problem solving skills will be utilized in the application of theoretical concepts with consideration for the Registered Nurse's scope of practice.

**NURS 54FR Pediatric Nursing 2 Units**

*Prerequisites: Nursing 54CL, 54CR, and 54D, all courses with a grade of C or better.*

*Corequisites: Nursing 54FR students must also enroll in Nursing 54EL, 54ER, 54FL, 54GL, 54GR and 54HR.*

*Two hours lecture.*

Introduction to the nursing care of children. Orem's model of self-care will be used as a basis to study the health/illness continuum as it applies to children and their families. The nursing process will be integrated throughout the course as a primary tool for delivering nursing care to children. Theory and clinical must be taken concurrently. Failure of either requires both to be retaken. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice.

**NURS 54GL Pharmacology III Laboratory 1/2 Unit**

*Prerequisites: Nursing 54CL, 54CR, and 54D, all courses with a grade of C or better.*

*Corequisites: Nursing 54GL students must also enroll in Nursing 54EL, 54ER, 54FL, 54FR, 54GR and 54HR.*

*One and one-half hours laboratory.*

*Pass-No Pass (P-NP) course.*

Pharmacology III Laboratory objectives will be met in the campus skills laboratory. The focus of the course is to provide the student pharmacology skill application with emphasis on maternal and child populations. Practice in venipuncture and blood withdrawal will also be provided. Concepts of advanced vascular access, chemotherapy and parenteral nutrition will be addressed.

**NURS 54GR Pharmacology III 1 1/2 Units**

*(Open to non-nursing students with instructor approval.)*

*Prerequisites: Nursing 54CL, 54CR, and 54D, all courses with a grade of C or better.*

*Corequisites: Nursing 54GR students must also enroll in Nursing 54EL, 54ER, 54FL, 54FR, 54GL and 54HR.*

*One and one-half hours lecture.*

Pharmacology III focuses on pharmacology related to the maternal and child population. Legal/ethical issues and safety principles will be stressed as an integral part of nursing practice. Teaching/learning principles with regard to medication administration will be included. Concepts on venipuncture will be presented.

**NURS 54HR Medical/Surgical Application I 2 Units**

*Prerequisite: Nursing 54CL, 54CR, and 54D.*

*Corequisites: Nursing 54HR students must also enroll in Nursing 54EL, 54ER, 54FL, 54FR, 54GL, and 54GR.*

*Two hours lecture.*

Health deviations presented are encountered across the life span. Emphasis will be on universal, developmental, and health deviation self-care requisites related to health deviations occurring in the perinatal and pediatric client.

**NURS 54IL Medical/Surgical II (Care of the Older Adult) - Clinical 5 Units**

*Prerequisites: Nursing 54EL, 54ER, 54FL, 54FR, 54GL, and 54GR, all courses with a grade of C or better.*

*Corequisites: Nursing 54IL students must also enroll in Nursing 54IR and 55C.*

*Fifteen hours laboratory.*

*Pass-No Pass (P-NP) course.*

Utilization of the nursing process within the framework of Orem's model of self-care in relation to the gerontological client and the client with chronic self-care deficits.

Emphasis is on the clinical nursing care of the older adult who is experiencing the normal process of aging as well as the older adult experiencing a health deviation. Clinical objectives are met through experiences in a variety of settings such as long term care nursing facilities, medical-surgical units in acute care settings, adult community centers, and simulated laboratory settings. This course and its theory component (Nursing 54IR) must be taken concurrently. Failure of either requires both to be retaken. Critical thinking and problem solving skills will be utilized in the application of theoretical concepts with consideration for the Registered Nurse's specific scope of practice.

**NURS 54IR Medical/Surgical II (Care of the Older Adult) 4 Units**

*Prerequisites: Nursing 54EL, 54ER, 54FL, 54FR, 54GL, and 54GR, all courses with a grade of C or better.*

*Corequisites: Nursing 54IR students must also enroll in Nursing 54IL and 55C.*

*Four hours lecture.*

Utilization of the nursing process within the framework of Orem's model of self-care in relation to the gerontological client and the client with chronic self-care deficits. Emphasis is on the study of the older adult who is experiencing the normal process of aging as well as the older adult experiencing a health deviation. Critical thinking and problem solving will be employed through group exercises and independent study with consideration for the Registered Nurse's scope of practice. This course and its clinical component (Nursing 54IL) must be taken concurrently. Failure of either requires both to be retaken.

**NURS 54JR Advanced Medical-Surgical Concepts 2 Units**

*Prerequisites: Nursing 54IL, 54IR, and 55C.*

*Corequisites: Nursing 54JR students must also enroll in Nursing 54K, 54KL, and 55L.*

*Two hours lecture.*

Health deviations presented are encountered in the adult population. Topics include self-care deficits related to air, water, food, activity and rest, solitude/social interaction, elimination, prevention of hazards, and normalcy. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice.

**NURS 54K Psychiatric/Mental Health Nursing (Theory) 4 Units**

*Prerequisites: Nursing 54IL, 54IR, and 55C, all courses with a grade of C or better.*

*Corequisite: Nursing 54K students must also enroll in Nursing 54JR, 54KL, and 55L.*

*Four hours lecture.*

Utilization of the Nursing Process in meeting client's self-care deficits with an emphasis on the biopsychosocial needs of individuals across the life span who experience acute and chronic psychopathology. Theories of psychiatric/mental health nursing will be taught in concert with nursing care of individuals undergoing treatment in a variety of behavioral healthcare settings. Theory and clinical components must be taken concurrently. Failure of either component requires both courses to be retaken.

**NURS 54KL Psychiatric/Mental Health Nursing (Clinical) 5 Units**

*Prerequisites: Nursing 54IL, 54IR, and 55C, all courses with a grade of C or better.*

*Corequisite: Nursing 54KL students must also enroll in Nursing 54JR, 54K, and 55L.*

*Fifteen hours laboratory.*

*Pass-No Pass (P-NP) course.*

Application of theories of psychiatric/mental health nursing. The nursing process is used in providing care for individuals undergoing treatment in a variety of behavioral health care settings including hospitals, clinics and community agencies. Clinical and theory (Nursing 54K) components must be taken concurrently. Failure of either component requires both courses to be retaken.

**NURS 54L Leadership/Management in Nursing 2 Units**

*Prerequisite: Nursing 54JR, 54K, 54KL, and 55L, all courses with a grade of C or better.*

*Corequisite: Nursing 54L students must also enroll in Nursing 54LL.*

*Two hours lecture.*

Leadership/Management in Nursing is a quarter long course designed to prepare the Registered Nursing student to function as a graduate nurse. Focus includes the managerial/leadership role, interdisciplinary practice, legal challenges of clinical practice, and trends within the nursing profession.

**NURS 54LL Leadership/Management in Nursing (Clinical) 5 Units**

*Prerequisite: Nursing 54JR, 54K, 54KL, and 55L, all courses with a grade of C or better.*

*Corequisite: Nursing 54LL students must also enroll in Nursing 54L.*

*Fifteen hours laboratory.*

*Pass-No Pass (P-NP) course.*

This is the clinical component to the Leadership/Management in Nursing course and is to be taken concurrently. This course, the Prelicensure Preceptorship, is designed to prepare the student to function as a graduate nurse. Students will provide nursing care for patients under the guidance of a registered nurse working in the community, supervised by the faculty liaison. The student will work on either the day, evening, or night shift, depending on the schedule of the assigned preceptor.



**NURS 55AL CNA Transition (Non-Acute/  
Sub Acute Care Clinical) 2 Units**

*Prerequisite: Nursing 50; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Biology 26, 40A, 40B, 40C and 45; Psychology 1 and 14; Speech 10; current California Nursing Assistant Certification.*

*Corequisite: Nursing 55AL students must also enroll on 54B and 55AR. Six hours laboratory.*

*Pass-No Pass (P-NP) course.*

A transition course which provides a higher level entry into the nursing program for the Certified Nursing Assistant who has basic bedside nursing skills but lacks additional nursing requirements. The nursing process and teaching/learning principles are applied along with administration of non-parenteral medications.

**NURS 55AR CNA Transition (Non Acute/Sub Acute Care) 3 Units**

*Prerequisite: Nursing 50; English Writing 1A or English as a Second Language 5; Mathematics 105 or 114, or satisfactory score on placement test; Biology 26, 40A, 40B, 40C and 45; Psychology 1 and 14; Speech 10; current California Nursing Assistant Certification.*

*Corequisite: Nursing 55AR students must also enroll in 54B and 55AL. Three hours lecture.*

A transition course which provides a higher level entry into the nursing program for the Certified Nursing Assistant who has basic bedside nursing skills but lacks additional nursing requirements. The nursing process incorporating Orem's model of self-care, and teaching/learning principles are presented along with concepts of non-parenteral medication administration.

**NURS 55C Critical Thinking in Nursing 2 Units**

*Prerequisites: Nursing 54EL, 54ER, 54FL, 54FR, 54GL, and 54GR, all courses with a grade of C or better.*

*Corequisites: Nursing 55C students must also enroll in Nursing 54IL and 54IR. Two hours lecture.*

Designed to assist the nurse in developing critical thinking skills to facilitate decision making and effective clinical judgment. The nursing process will be utilized as a mechanism in developing coherent and logical thinking through the use of scenarios, debates, group and written assignments. Critical thinking and problem solving skills will be employed through group exercises and independent study with consideration for the Registered Nurse's specific scope of practice.

**NURS 55L Advanced Medical-Surgical Clinical 2 1/2 Units**

*Prerequisite: Nursing 54IL, 54IR, and 55C, all courses with a grade of C or better.*

*Corequisites: Nursing 55L students must also enroll in Nursing 54JR, 54K, and 54KL.*

*Seven and one-half hours laboratory.*

*Pass-No Pass (P-NP) course.*

Application of concepts learned in the theory class will occur in acute care settings. Students will be working with clients demonstrating acute health deviations. The nursing process and Orem's conceptual model will be utilized in caring for unstable clients on a medical-surgical unit.

**NURS 56 Nursing Special Projects 1/2 Unit**

**NURS 56X 1 Unit**

**NURS 56Y 2 Units**

**NURS 56Z 3 Units**

*Prerequisite: Consent of Instructor.*

*Three hours laboratory for each unit of credit.*

*(Any combination of Nursing 56, 56X, 56Y, and 56Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)*

*Pass-No Pass (P-NP) course.*

*Selected topics in nursing theory and/or clinical experience.*

**NURS 100 Review of Nursing Concepts 1/2 Unit**

**NURS 100X 1 Unit**

**NURS 100Y 2 Units**

**NURS 100Z 3 Units**

*Credit course - Does not apply to De Anza Associate Degree.*

*Prerequisite: Licensed or graduate nurse.*

*Three hours laboratory for each unit of credit.*

*(Any combination of Nursing 100, 100X, 100Y, and 100Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)*

*Pass-No Pass (P-NP) course.*

Independent study course which is designed for the nurse who is seeking a review or update of information related to theoretical nursing concepts in the areas of gerontology, medical surgical, pediatric, perinatal, and psychiatric nursing. Critical thinking skills are employed in making nursing decisions, and effective clinical judgments.

**NURS 110A Coronary Care Nursing Concepts 3 1/2 Units**

*(Formerly Nursing 79A.)*

*Prerequisite: Professional nurse or nursing student.*

*Three and one-half hours lecture.*

Advanced concepts of coronary care nursing: cardiovascular anatomy and physiology, the diagnosis of arrhythmias and the comprehensive care of the patient with myocardial infarction or congestive heart failure, with consideration given to the psychosocial, cultural values and beliefs, spiritual and educational needs.

**NURS 110B Critical Cardiovascular Nursing Concepts 1 Unit**

*(Formerly Nursing 79G.)*

*Prerequisite: Professional nurse or nursing student.*

*One hour lecture.*

Critical care nursing: medical and surgical management and treatment for cardiovascular disease and valvular dysfunctions, and use of the intra-aortic balloon pump, arthrectomy, lasers, stents and bypass grafting.

**NURS 110C Critical Neurological Nursing Concepts 1 1/2 Units**

*(Formerly Nursing 79J.)*

*Prerequisite: Professional nurse or nursing student.*

*One and one-half hours lecture.*

Critical care nursing: related anatomy, physiology and pathophysiology for assessment, treatment and care for patients with critical neurological problems including neurological assessment, intracranial pressure measurement, and care of the cerebrovascular impaired patient.

**NURS 110D Critical Respiratory Nursing Concepts 1 1/2 Units**

*(Formerly Nursing 79K.)*

*Prerequisite: Professional nurse or nursing student.*

*One and one-half hours lecture.*

Critical care nursing: anatomy, physiology, and pathophysiology of the pulmonary system; arterial blood gas interpretation and pharmacological agents.

**NURS 110E Seminar On Liver Disease, Gastrointestinal Bleeding, and Disseminated Intravascular Clotting 1/2 Unit**

*(Formerly Nursing 79M.)*

*Prerequisite: Professional nurse or nursing student.*

*One-half hour lecture.*

Introduces the critical care nurse to the pathophysiology of liver disease, gastrointestinal bleeding and disseminated intravascular coagulation. The Nursing Process will emphasize the critical care planning, diagnoses, interventions and evaluations necessary to care for acutely ill clients. Current modalities of treatment will be described including: hepatic shunting, liver transplantation and liver assist devices. The social, psychological and cultural aspects of care for the client and family will be evaluated.

**NURS 110F Critical Endocrinology Concepts 1/2 Unit**

*(Formerly Nursing 79N.)*

*Prerequisite: Professional nurse or nursing student.*

*One-half hour lecture.*

Disorders of the pancreas, thyroid and adrenal glands with an emphasis on diabetic emergencies will be covered. The pathophysiology associated with these organs is included. Emphasis is placed on the development of critical thinking skills in the nursing care management.

**NURS 110G Critical Renal Nursing Concepts 1 Unit**

*(Formerly Nursing 79P.)*

*Prerequisite: Professional nurse or nursing student.*

*One hour lecture.*

Critical care nursing: renal concepts; assessment, care and management of patients with renal failure. Critical thinking skills will be used to employ the nursing process in the development of a comprehensive nursing care plan.

**NURS 110H Hemodynamic Monitoring 1 Unit**

*(Formerly Nursing 79Q.)*

*Prerequisite: Professional nurse or nursing student.*

*One hour lecture.*

Critical care nursing. Concepts and techniques for continuous bedside cardiopulmonary assessment with emphasis on cardiac waveforms and various pressure measurements. In addition, utilization of the nursing process will be integrated to prepare the nurse to competently care for the patient requiring hemodynamic management at the bedside.

**NURS 110I Seminar in Shock (Macroshock) 1/2 Unit**

*(Formerly Nursing 79R.)*

*Prerequisite: Professional nurse or nursing student.*

*One-half hour lecture.*

Utilization of the Nursing Process and all available resources in preparation of the nurse to competently care for the critically ill shock patient.

**NURS 110J Seminar on Shock (Multi-System Organ Dysfunction Syndrome) 1/2 Unit**

*(Formerly Nursing 79S.)*

*Prerequisite: Professional nurse or nursing student.*

*One-half hour lecture.*

Utilization of the Nursing Process and all available resources in preparation of the nurse to competently care for the critically ill shock patient who is experiencing multi-system organ dysfunction.



**NURS 110K Trauma Nursing 1 Unit**  
 (Formerly Nursing 77.)  
*Prerequisite: Professional nurse or nursing student.*  
*One hour lecture.*  
 (May be taken twice for credit.)  
 Trauma nursing: assessment, management, diagnostic procedures, nursing diagnosis and care of the trauma center patient.

**NURS 125C Advanced Medical Surgical Nursing Practicum II 2 1/2 Units**  
*Credit course - Does not apply to De Anza Associate Degree.*  
*Prerequisite: Admission to the RN Refresher Program.*  
*Seven and one-half hours laboratory.*  
 (May be taken six times for credit.)  
*Pass-No Pass (P-NP) course.*  
 A medical-surgical nursing practicum in acute or extended care settings.

**NURS 150 Nursing Laboratory Skills 1/2 Unit**  
**NURS 150W 1 Unit**  
**NURS 150X 1 1/2 Units**  
**NURS 150Y 2 Units**  
*Eighteen hours laboratory per quarter for each one-half unit of credit.*  
 (Any combination of Nursing 150, 150X, 150Y, and 150Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)  
*Pass-No Pass (P-NP) course.*  
 Nursing skills practice in campus laboratory setting.

**NURS 500 Nursing Laboratory Practice 0 Units**  
*Corequisite: Nursing 500 students must also enroll in nursing programs or allied health programs or skills courses.*  
*Hours determined by student attendance.*  
 (No limit on repeatability for 0 unit classes.)  
*No grade (NG) course.*  
 Supervised use of laboratory facilities.

## Nutrition

**NUTR 10 Contemporary Nutrition 4 Units**  
 (Formerly Nutrition 39.)  
 (See general education pages for the requirement this course meets.)  
*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Four hours lecture.*  
 Physiological, psychological and economic aspects of obtaining an adequate diet through the life cycle. Relationship of nutrients to health and physical fitness. Evaluation of current nutritional issues and controversies.  
 (CAN FCS 2)

**NUTR 62 Nutrition and Athletic Performance 2 Units**  
*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).*  
*Two hours lecture.*  
 Principles of sports nutrition. Suggested diets for strength training, endurance activities and weight control. Use of popular ergogenic aids.

**NUTR 62G Dieting (Sifting Fact from Fiction) 1/2 Unit**  
*Advisory: Nutrition 10 or 62.*  
*One-half hour lecture.*  
 Causes of obesity, evaluation of popular weight control diets and programs and effective methods of weight loss.

## Paralegal Program

**PARA 3 Concepts of Criminal Law (CP 2) 5 Units**  
*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).*  
 (Also listed as Administration of Justice 3 and Political Science 13. Student may enroll in only one department for credit.)  
*Four hours lecture, three hours directed research.*  
 Historical development, philosophy of law and constitutional provisions, definitions, classification of crime, and their application to the system of administration of justice; legal research, study of case law, methodology and concepts of law as a social force.

**PARA 11 Federal Courts and Constitutional Law 4 Units**  
*Advisories: English Writing 1A or English as a Second Language 5.*  
 (Also listed as Administration of Justice 11 and Political Science 11. Student may enroll in only one department for credit.)  
*Four hours lecture.*

Federal court procedure and the impact of U.S. Constitutional law on federal and state law. Read and analyze the Constitution. Effect of U.S. Supreme Court cases on current constitutional interpretation.

**PARA 18 Business Law I 5 Units**  
*Prerequisite: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).*  
*Advisory: Business 10.*  
 (Also listed as Business 18. Student may enroll in either department, but not both, for credit.)  
*Five hours lecture.*

The American legal system and laws applicable to business emphasizing contract and sales laws, the impact of the legal system on business, and ethical considerations in the business environment.

**PARA 52A Legal Aspects of Real Estate in California I 4 Units**  
*Advisory: Real Estate 50.*  
 (Also listed as Real Estate 52A. Student may enroll in either department, but not both, for credit.)  
*Four hours lecture.*

California real property laws with emphasis on their practical application. Sources of real estate law; classes of property; fixtures; easements; estates or interest in real property; contracts of sale; covenants; conditions; and restrictions.

**PARA 54 Youth and the Law 4 Units**  
*Advisory: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163.*  
 (Also listed as Sociology 54 and Administration of Justice 54. Student may enroll in only one department, for credit.)  
*Four hours lecture.*

The organization, functions, and jurisdiction of juvenile agencies; the processing and detention of juveniles; juvenile case disposition; juvenile statutes and court procedure.

**PARA 64 Paralegal Internship 1 Unit**  
**PARA 64X 2 Units**  
**PARA 64Y 3 Units**  
**PARA 64Z 4 Units**

*Advisories: Paralegal Studies 74A, 75, and 94; or the consent of the instructor.*  
*Four hours per week per unit of supervised internship in an authorized office or agency.*

(Any combination of Paralegal Studies 64, 64X, 64Y and 64Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)

Program of work experience and study in law, paralegal, or legal research under the supervision of the instructor and agency personnel.

**PARA 65 Current Paralegal Topics 1/2 Unit**  
**PARA 65W 1 Unit**  
**PARA 65X 2 Units**  
**PARA 65Y 3 Units**  
**PARA 65Z 4 Units**

*Advisories: English Writing 1A or English as a Second Language 5. Background or experience appropriate to topic or consent of instructor.*  
*One hour lecture for each unit of credit.*

(Any combination of Paralegal Studies 65, 65W, 65X, 65Y, and 65Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)

Current developments in the substantive law in an area of legal practice; current developments in procedural law in that area of legal practice; current developments in legal forms used in that area of legal practice; role of paralegal in substantive and procedural law in that area of legal practice.

**PARA 69 Administration of Justice Field Trips 3 Units**  
*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).*  
*Six hours lecture-laboratory.*  
 (May be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)

A survey of current conditions in the paralegal field or visits to adult or juvenile detention and correctional facilities in Northern California.

**PARA 74A Interviewing and Counseling 4 Units**  
*Advisory: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163.*  
 (Also listed as Administration of Justice 74A, Counseling 74A, and Psychology 74A. Student may enroll in only one department for credit.)  
*Four hours lecture.*

The philosophy, theories and principles involved in interpersonal and group relationships; techniques in social and human services; and interviewing and counseling for entry-level practitioners.



<b>PARA 75</b>	<b>Principles and Procedures of the Justice System (CP 6)</b>	<b>4 Units</b>	<b>PARA 92A</b>	<b>Partnerships and Corporations</b>	<b>4 Units</b>
<i>(Formerly Paralegal 2.)</i> <i>Advisory: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163.</i> <i>(Also listed as Administration of Justice 75, and Political Science 75. Student may enroll in only one department, for credit.)</i> <i>Four hours lecture.</i> Procedures followed by law enforcement and courts in criminal cases; constitutional principles governing those procedures.			<i>Prerequisite: Paralegal 94 or 95, or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> Substantive and procedural law of basic business organizations, including sole proprietorships, partnerships, corporations and limited liability companies and partnerships.		
<b>PARA 84</b>	<b>Trial Preparation</b>	<b>4 Units</b>	<b>PARA 92B</b>	<b>Corporate Securities Regulations</b>	<b>4 Units</b>
<i>Prerequisite: Paralegal 94 or Paralegal 95.</i> <i>Advisories: English Writing 1A or English as a Second Language 5; and Paralegal 97A</i> <i>Four hours lecture.</i> Role of paralegal in preparing a case for trial including pre-trial planning, evidence gathering and case analysis.			<i>Prerequisite: Paralegal 94 or Paralegal 95.</i> <i>Advisories: English Writing 1A or English as a Second Language 5; and Paralegal 92A.</i> <i>Four hours lecture.</i> Substantive laws and procedural rules and forms related to California and federal corporate securities regulations.		
<b>PARA 85</b>	<b>Intellectual Property Law</b>	<b>4 Units</b>	<b>PARA 93</b>	<b>Bankruptcy Law</b>	<b>4 Units</b>
<i>Prerequisite: Paralegal 94 or Paralegal 95.</i> <i>Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).</i> <i>Four hours lecture.</i> Overview of the law of intellectual property, including trade secrets, trademarks, patents and copyrights and examination of the role of the paralegal in this area.			<i>Prerequisite: Paralegal 94 or 95, or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> Substantive law of bankruptcy; legal rights of debtors and creditors, procedural rules and forms of bankruptcy.		
<b>PARA 86</b>	<b>Legal Analysis</b>	<b>4 Units</b>	<b>PARA 94</b>	<b>Introduction to California Law</b>	<b>4 Units</b>
<i>Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).</i> <i>Four hours lecture.</i> Principles of legal analysis with an emphasis on analysis of case law; detailed examination of written case opinions; methods of interpreting statutory law; development of legal arguments based on case law and statutory law.			<i>Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).</i> <i>Four hours lecture.</i> The legal structures and legal procedures existing with the state of California; examination of the roles and duties of legal personnel in California with an emphasis on the role and duty of paralegals.		
<b>PARA 87</b>	<b>Personal Injury and Tort Litigation</b>	<b>4 Units</b>	<b>PARA 95</b>	<b>Overview of American Law</b>	<b>4 Units</b>
<i>Prerequisite: Paralegal 94 or 95, or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> Substantive tort law emphasizing concepts applicable to automobile accident cases, product liability cases, premises liability cases and malpractice cases; insurance law affecting personal injury litigation; basic medical terminology in personal injury litigation; procedural rules and practices related to personal injury litigation in California with an emphasis on the role of the paralegal.			<i>Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).</i> <i>(Also listed as Political Science 95, and Administration of Justice 95. Student may enroll in only one department, for credit.)</i> <i>Four hours lecture.</i> Overview of the major substantive areas of American law: agency, contracts, constitutional law, corporations, criminal law, family law, property, torts, wills, and estates.		
<b>PARA 88</b>	<b>The Paralegal and Professional Responsibility</b>	<b>2 Units</b>	<b>PARA 96A</b>	<b>Introduction to Legal Research and Writing</b>	<b>4 Units</b>
<i>Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); and English as a Second Language 126.</i> <i>Two hours lecture.</i> Examination of the role of the paralegal in the legal system. Ethical rules and guidelines governing legal professionals.			<i>Prerequisite: Paralegal 94 or 95, or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> Organization and publication of American and California law; using print and on-line legal resources to find the law; using the law to analyze legal issues arising from factual disputes; writing a memorandum of law utilizing acceptable legal citation format.		
<b>PARA 89</b>	<b>Landlord Tenant Law</b>	<b>4 Units</b>	<b>PARA 96B</b>	<b>Advanced Legal Research and Writing</b>	<b>2 Units</b>
<i>Prerequisite: Paralegal 94 or 95, or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> California law relating to creation of landlord/tenant relationship; legal rights of landlords; legal rights of tenants; eviction proceedings.			<i>Prerequisites: Paralegal 94 or 95; Paralegal 96A.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Two hours lecture.</i> Legal research using Westlaw, Lexis and the Internet; drafting a memorandum of points and authorities.		
<b>PARA 90A</b>	<b>Legal Aspects of Evidence (CP 4)</b>	<b>4 Units</b>	<b>PARA 96C</b>	<b>Computer Assisted Legal Research and Writing</b>	<b>2 Units</b>
<i>Advisory: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163.</i> <i>(Also listed as Administration of Justice 90A. Student may enroll in either department, but not both, for credit.)</i> <i>Four hours lecture.</i> The origin, development, and content of the rules of evidence; kinds and degrees of evidence and rules governing admissibility of evidence.			<i>Prerequisites: Paralegal 94 or 95; Paralegal 96A; or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Two hours lecture.</i> Legal research using the on-line services such as LEXIS, Westlaw, Loislaw and the Internet; Drafting and preparing a legal memorandum using legal features of word-processing software.		
<b>PARA 91A</b>	<b>California Family Law</b>	<b>4 Units</b>	<b>PARA 97A</b>	<b>Civil Litigation Procedures</b>	<b>4 Units</b>
<i>Prerequisites: Paralegal 94 or 95, or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> Substantive and procedural aspects of family law practice in California, with emphasis on dissolution procedures.			<i>Prerequisite: Paralegal 94 or 95, or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> Substantive and procedural rules and forms for handling federal and California state civil cases through the pleading and motion phases of litigation.		
			<b>PARA 97B</b>	<b>Advanced Civil Litigation Procedures</b>	<b>4 Units</b>
			<i>Prerequisites: Paralegal 94 or 95; Paralegal 97A; or professional experience appropriate to the topic.</i> <i>Advisory: English Writing 1A or English as a Second Language 5.</i> <i>Four hours lecture.</i> Selected pretrial, discovery and post-trial procedures for paralegals; document preparation; judicial council form use; case analysis.		

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**PARA 98 Drafting Wills and Trusts 4 Units**  
*Prerequisite:* Paralegal 94 or 95, or professional experience appropriate to the topic.  
*Advisory:* English Writing 1A or English as a Second Language 5.  
 Four hours lecture.  
 Substantive, procedural and drafting principles of wills and trusts and estate planning; role of paralegal in drafting wills and trusts, inventorying estates, and collecting data.

**PARA 99 California Probate Law and Procedures 4 Units**  
*Prerequisite:* Paralegal 94 or 95, or professional experience appropriate to the topic.  
*Advisory:* English Writing 1A or English as a Second Language 5.  
 Four hours lecture.  
 California probate substantive law and procedures including state and federal estate tax requirements, conservatorships and community property death transfers.

## *Peace Officer Standards and Training*

**POST 53A Basic Police Academy 30 Units**  
*Prerequisite or Corequisite:* (1) Peace Officer Standards and Training approved pre-entry English and mathematical skills assessment exam provided by the academy; (2) medical clearance by licensed physician; (3) criminal history clearance pursuant to penal code.  
*Advisories:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.  
 Twenty nine hours lecture, thirty seven and one-half hours laboratory. Eight hundred hours for the quarter.  
 This 800 hour course of training is certified by the Commission on Peace Officer Standards and Training to meet the statutory basic training requirements. Course requires a significant commitment in time and dedication. Requires both academic and physical skills in addition to extra motivation to endure the intensive agenda.

**POST 53B Basic Police Academy Skills 18 Units**  
*Prerequisite or Corequisite:* (1) Peace Officer Standards and Training approved English skills assessment exam provided by academy; (2) medical clearance by licensed physician; (3) criminal history clearance pursuant to penal code.  
*Advisories:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.  
 Eleven hours lecture, twenty nine hours laboratory. Four hundred eighty hours for the quarter.  
 Course of training certified by the Commission on Peace Officer Standards and Training to meet the SKILLS COMPONENT of the statutory basic training requirements. Course requires a significant commitment in time and dedication. Requires physical skills in addition to extra motivation to endure the intensive agenda. Designed for students who have separately met the academic components of the Peace Officer Standards and Training (POST) learning domain and passed the POST certified proficiency test.

**POST 54A Basic Academy (Modular, Level III-- Part 2) 5 Units**  
*Prerequisite:* Current valid PC-832 Arrest Methods & PC-832 Firearms Certificates; POST approved pre-entry English skills assessment exam provided by academy; criminal history clearance as provided by the Penal Code.  
*Advisory:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).  
 Nine and one-half hours lecture, one and one-third hours laboratory. One hundred thirty two hours for the quarter.  
 This course combined with the required PC 832 certificate meets POST requirements for a Level III Reserve Police Officer. The Level III certificate is a prerequisite for Level II and I.

**POST 54B Basic Academy (Modular, Level II) 10 1/2 Units**  
*Prerequisites:* Current valid PC-832 Arrest Methods & PC-832 Firearms Certificates; completion of Level III, Parts I & II.  
*Advisory:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).  
 Seventeen hours lecture, six hours laboratory. Two hundred eighty hours total for the quarter.  
 This course combined with the required PC 832 certificates meet POST requirements for a Level II Reserve Police Officer. The Level II certificate is a prerequisite for Level I.

**POST 54C Basic Academy (Modular, Level I) 18 3/4**  
*Prerequisites:* Current valid PC-832 Arrest Methods & PC-832 Firearms Certificates; completion of Level III and Level II; POST approved comprehensive exam provided by academy; medical examination/clearance by a licensed physician.  
*Advisory:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).

Twenty one hours lecture, twenty one hours laboratory. Five hundred hours total for the quarter.  
 This course combined with the required PC 832 certificates meet POST requirements for a Level I Reserve Police Officer.

**POST 66 Reserve Academy 11 Units**  
*Advisories:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); English as a Second Language 126; Mathematics 200 or 210.  
 Twelve hours lecture, twelve hours lecture-laboratory. Two hundred ninety-six hours for the quarter.  
 An integrated course incorporating Levels I, II, and III into a single class format designed to prepare the student to meet the qualifications of a Level I, POST certified reserve officer. Academy structure and POST performance objective tracking will be followed.

**POST 67 Reserve Officer Training Level I 3 Units**  
*Advisories:* English Writing 100B and Reading 100, or English as a Second Language 24 and 72 (or English as a Second Language 4) and 126; Mathematics 200 or 210.  
 Six and two-thirds hours lecture. Eighty hours for the quarter.  
 Third module in the training sequence for potential police reserve officers. Department orientation, police community relations, law, evidence, patrol procedure, traffic and criminal investigation as required by State of California Peace Officer Standards and training for Level I reserve training certification.

**POST 68 Reserve Officer Training Level II 4 Units**  
*Advisories:* English Writing 100B and Reading 100, or English as a Second Language 24 and 72 (or English as a Second Language 4) and 126; Mathematics 200 or 210.  
 Four and one-half hours lecture, four and one-half hours lecture-laboratory. One hundred eight hours for the quarter.  
 Second module in the training sequence for potential police reserve officers. Professional orientation, law, communications, driver training theory, firearms, patrol procedures, traffic, custody, CPR/First Aid, arrest and control procedures as required by State of California Peace Officers standards and training for Level II reserve training certification.

**POST 69 Field Training Program 3 Units**  
**POST 69P 6 Units**  
**POST 69Q 9 Units**  
**POST 69R 12 Units**  
**POST 69S 15 Units**  
**POST 69T 18 Units**  
**POST 69U 21 Units**  
**POST 69V 24 Units**  
**POST 69W 27 Units**  
**POST 69X 30 Units**  
**POST 69Y 33 Units**  
**POST 69Z 36 Units**  
*Advisory:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).  
 80 to 960 hours laboratory for the quarter.  
 (May be repeated for credit.)  
 Pass-No Pass (P-NP) course.  
 A program certified to Law Enforcement Agencies in the State of California. The program is designed to certify the completion of specifications described in the "Field Training Officer Guide" from the Commission on Peace Officer Standards and Training. Students will be assigned in a patrol car, one-on-one with a certified Field Training Officer. The program introduces a newly assigned officer to the personnel procedures, policies and purposes of the individual law enforcement agency and provides the initial formal and informal training specific to the agency and the day-to-day duties of it's officers.

**POST 100 Correctional Officer Basic 6 Units**  
*Advisories:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.  
 Ten hours lecture, three and one-third hours laboratory. One hundred sixty hours for the quarter.  
 This core training course is designed to meet the State Board of Corrections regulations for entry level training of correctional officers for adult institutions. Presents the lecture and practical application skills and knowledge to work in local adult jail facilities.

**POST 101 Juvenile Counselor Core Course 6 Units**  
*Advisories:* English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.  
 Ten hours lecture, three and one-third hours laboratory. One hundred sixty hours for the quarter.  
 This course is designed to meet the California Board of Corrections requirements for entry level training of juvenile institutions staff.



**POST 102 Probation Officer Core Course 7 1/2 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Fourteen hours lecture, three and one-fourth hours laboratory. Two hundred eight hours for the quarter.*  
 Provides the trainee with the basic concepts, tools, skills, etc. necessary to perform the job of probation officer within the State of California and prepare the graduate for the job. Certified by the State Board of Corrections, Training and Standards for Corrections (STC). Testing on the various topics covered will be both written and practical in nature. This course includes 208 hours of training.

**POST 103 Supervisor's Update 3 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Two and one-half hours lecture, four hours laboratory. Eighty hours for the quarter.*  
 This 80 hour course includes values and ethics, role identification, leadership styles, assertive leadership, legal/liability issues, employee performance appraisal, counseling, discipline, employee relations, administrative support, press relations, planning and organizing, communications, report review, investigations, stress and the transition. This course will be updated regularly for currency according to Standards and Training for Corrections.

**POST 104 Laws of Arrest and Firearms (832 P.C.) 1 1/2 Units**  
*(Formerly Administration of Justice 79 and 150.)*  
*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).*  
*One hour lecture, two and one-half hours laboratory. Forty hours for the quarter.*  
 Principles, methods and laws of arrest as required by State of California Peace Officer Standards and Training.

**POST 104B PC 932 (Firearms) 1 Unit**  
*Prerequisite: Criminal history clearance as provided by Penal Code.*  
*Two-thirds hour lecture, one and one-third hour laboratory. Twenty four hours total for the quarter.*  
*(May be taken three times for credit.)*  
*Pass-No Pass (P-NP) course.*  
 This course is the basic POST certified 24-hour firearms training with qualification certificate upon completion.

**POST 105 Probation Annual Training 7 1/2 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Fourteen hours lecture, three and three-fourths hours laboratory. Two hundred eight hours for the quarter.*  
 This course fulfills the California State Board of Corrections annual training requirement for eligible staff to remain current and to upgrade knowledge and skills. Content reflects advisory board, state standards, and agency education and training objectives for probation officers, adult institutions, and juvenile institutions staff.

**POST 106N Special Topics in POST 1/4 Unit**  
**POST 106P 1/2 Unit**  
**POST 106Q 3/4 Unit**  
**POST 106R 1 Unit**  
**POST 106S 1 1/2 Units**  
**POST 106T 2 Units**  
**POST 106U 2 1/2 Units**  
**POST 106V 3 Units**  
**POST 106W 3 1/2 Units**  
**POST 106X 4 Units**  
**POST 106Y 4 1/2 Units**  
**POST 106Z 5 Units**

*Credit course - Does not apply to De Anza Associate Degree.*  
*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).*  
*Two hours lecture-laboratory for each unit of credit.*  
*(Any combination of Peace Officers and Standard Training 106N-Z may be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)*  
*Pass-No Pass (P-NP) course.*  
 In-service training curriculum for personnel attending annual updates, re-certifications, remediation, and assorted legal skills related seminars mandated by the Commission on Peace Officer Standards and Training on an ongoing basis.

**POST 107 Skills and Knowledge Module Training 1/4 Unit**  
**POST 107M 1/2 Unit**  
**POST 107N 3/4 Unit**  
**POST 107P 1 Unit**  
**POST 107Q 1 1/4 Units**  
**POST 107R 1 1/2 Units**  
**POST 107S 1 3/4 Units**  
**POST 107T 2 Units**  
**POST 107U 2 1/4 Units**  
**POST 107V 2 1/2 Units**  
**POST 107W 2 3/4 Units**  
**POST 107X 3 Units**  
**POST 107Y 3 1/4 Units**  
**POST 107Z 3 1/2 Units**

*Credit course - Does not apply to De Anza Associate Degree.*  
*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Two hours lecture-laboratory for each unit of credit.*  
*(Each module may be taken three times for credit, every two years.)*  
*Pass-No Pass (P-NP) course.*  
 In-service training curriculum for personnel attending annual updates, recertifications, remediation, and assorted legal skills related seminars.

**POST 110 Basic Public Safety Dispatch 4 1/2 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Two and one-half hours lecture, seven and one-half hours laboratory. One hundred twenty hours for the quarter.*  
 This course is designed to provide dispatchers with the necessary skills and knowledge to perform their job. Curriculum includes computer systems, familiarization, legal updates, communication techniques, etc. It may contain Peace Officer Standards and Training curriculum, as well as local training mandates.

**POST 111 Public Safety Dispatch (Update) 1 1/2 Units**  
**POST 111W 4 1/2 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*POST 111 is ten hours lecture, 30 hours laboratory (40 total hours) for the quarter. POST 111W is 30 hours lecture, 90 hours laboratory (120 hours total) for the quarter.*  
 This course is designed to provide experienced dispatchers with the necessary skills and knowledge to remain current in job skills and knowledge. Curriculum includes computer systems familiarization, legal updates, communication techniques, etc. It may contain Peace Officer Standards and Training curriculum as well as local training mandates.

**POST 112 Emergency Medical Dispatch 1 1/2 Units**  
*Prerequisite or Corequisite: Current CPR certification.*  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Two and one-half hours lecture, one hour laboratory. Forty hours for the quarter.*  
 This 40 hour course will supplement other dispatch courses and is designed to familiarize dispatchers with the overall emergency medical system, provide them with the skills to effectively conduct a medical interrogation and communicate pre-arrival instructions to a caller reporting a medical emergency.

**POST 113 Communication Training Officer 1 1/2 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*Two and one-half hours lecture, one hour laboratory. Forty hours for the quarter.*  
 This course is designed to educate communications trainers about their responsibilities and roles in training new dispatchers. The course includes topics such as role of the trainer, elements of instruction, legal aspects and liability, evaluations and documentation, critical incident stress, and practical exercises.

**POST 114 Basic Fire Dispatch 3 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*  
*One and two-thirds hours lecture, five hours laboratory. Eighty hours for the quarter.*  
 This 80 hour course is designed to provide basic fire dispatcher training for entry level and/or experienced dispatchers.



**POST 115 Fire Dispatch Update 1 1/2 Units**  
**POST 115W 3 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*POST 115 is 10 hours lecture, 30 hours laboratory (40 total hours) for the quarter. POST 115W is 20 hours lecture, 60 hours laboratory (80 total hours) for the quarter.*

Designed to provide experienced fire dispatchers with the skills and knowledge necessary to maintain job skills. It completes and updates requirements for basic fire dispatch course.

**POST 116 Non-Lethal Chemical Agents Training 1/3 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*Six hours lecture, two hours laboratory (eight total hours) for the quarter.* Includes types of non-lethal chemical agents, methods of dispersal and delivery, safety, first aid, tactics, use of the gas mask and applicable penal code sections. This course is a Peace Officers Standards and Training certified course which is designed to provide sufficient training for use of tear gas and other chemical agents.

**POST 117 Advanced Officer Training 3/4 Units**  
**POST 117W 1 1/2 Units**

*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*POST 117 is 20 hours lecture for the quarter. POST 117W is 40 hours lecture for the quarter.*

*(May be taken for credit once every two years.)*

Designed to provide a mechanism whereby agencies may insure that the necessary new skills required of police officers have been provided and that previously learned skills are maintained and reinforced. It will enable the agency to provide a means of correcting deficiencies while satisfying state teaching requirements. New information and changes in the criminal justice system affecting police officers and, when necessary, a review of previously acquired materials will be provided. This course satisfies advanced officer training requirements.

**POST 121 Community Service Officer 3 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*Six hours lecture, one hour laboratory. Eighty hours for the quarter.*

This 80 hour course provides basic information for newly hired community service officers. These employees provide a variety of law enforcement related services, freeing sworn officers for tasks requiring higher level skills and training. The course covers criminal law and procedures, patrol procedures, community relations, traffic enforcement and investigation, investigating procedures, first aid/CPR, report writing, and hazardous materials response.

**POST 122 Field Training Officer 1 1/2 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*Two and one-third hours lecture, one hour laboratory. Forty hours for the quarter.*

This course is primarily designed for police officers that have been or will be accepted into field training officer programs in their respective law enforcement agencies. This course has certification from the California Commission on Peace Officer Standards and Training and follows the guidelines and standards under 832.3 of the Penal Code.

**POST 123 Field Evidence Technician 3 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*Four hours lecture, two and one-half hours laboratory. Eighty hours for the quarter.*

This is an 80 hour in-service course which provides training for law enforcement investigators at a crime scene where evidence needs to be identified, processed, collected and/or safeguarded. The student will be trained in evidence photography, crime scene sketching and appropriate reporting.

**POST 124A Background Investigations 1 1/2 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*Three and one-third hours lecture. Forty hours for the quarter.*

A Peace Officer Standards and Training certified course designed to develop in law enforcement officers the skills to be an accomplished background investigator. This course includes the fundamentals of background investigation, interviewing, the use of psychological screening, polygraphs, legal aspects of background investigation, and verbal/nonverbal communication.

**POST 124B Drug Investigation (11550) 1 Unit**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*Two hours lecture. Twenty-four hours for the quarter.*

This is an 11550 Health and Safety Code course covering restricted dangerous drugs: opiates, cocaine, PCP, etc. This course is designed for law enforcement officers desiring to upgrade, refine, or develop an expertise in the field recognition, identification and apprehension of individuals under the influence of narcotics and dangerous drugs. Included is informant development and District Attorney legal update.

**POST 125 Police Officer Supervisor 3 Units**  
*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 200 or 210.*

*Six and one-third hours lecture, one-third hour laboratory. Eighty hours for the quarter.*

This course emphasizes the basic elements of supervision and how they may be applied to police work. Essentials of good leadership and understanding of the basic needs of human beings as well as ways to stimulate subordinates to better performance are the contents of the course. Designed for new sergeants emphasizing the basic elements of supervision, teacher training, conference leadership, and related law enforcement subjects as outlined by Peace Officer Standards and Training.

## Philosophy

**PHIL 1 Introduction to Philosophy (Knowledge and Reality) 4 Units**

*(See general education pages for the requirement this course meets.)*

*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4). Four hours lecture, one additional hour to be arranged.*

Examines fundamental issues in metaphysics and epistemology. Metaphysical issues will include the mind-body problem, personal identity, freedom and determinism, and the existence of God. Epistemological topics will include such issues as our knowledge of the external world, induction, other minds, truth, the nature of knowledge, and gender and ways of knowing.

*(CAN PHIL 2)*

**PHIL 2 Introduction to Philosophy (Morals and Politics) 4 Units**

*(See general education pages for the requirement this course meets.)*

*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4). Four hours lecture.*

Examines fundamental issues in moral and political philosophy. Issues in moral philosophy include utilitarianism, Kantian ethics, speciesism, abortion, morality and gender, and moral relativism. Possible topics in political philosophy include the grounds of political obligation, anarchism, political freedom, distributive justice, capitalism versus socialism, and punishment.

**PHIL 3 Critical Thinking and Writing 5 Units**

*(See general education pages for the requirement this course meets.)*

*Prerequisite: English Writing 1A.*

*Five hours lecture, one additional hour to be arranged.*

The function and use of formal and informal logic, argument, critical evaluation, and language in written composition.

**PHIL 4 Critical Thinking 4 Units**

*(See general education pages for the requirement this course meets.)*

*Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4). Four hours lecture.*

The function of formal and informal logic, argument, critical evaluation, and use of language in written composition.

**PHIL 5 Inductive Logic 4 Units**

*(See general education pages for the requirement this course meets.)*

*Advisories: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 101 or 112.*

*Four hours lecture.*

An introduction to the study of inductive reasoning. The emphasis will be on philosophical efforts to characterize good inductive reasoning, especially the reasoning used to support scientific theories and hypotheses. Closely related topics covered will include probability theory, and the problem of justifying induction.



**PHIL 7 Deductive Logic 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).  
Four hours lecture.  
Study of the concepts and methods of deductive logic, developing and using logical symbols, formal proof techniques, and focusing on sentential and predicate logic. (CAN PHIL 6)

**PHIL 8 Ethics 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).  
Four hours lecture.  
Systematic study of reflective choice in moral philosophy; the standards of right or wrong; readings in ethics on concepts of good, right, duty, egoism, altruism, freedom, personal and social responsibility, cultural and gender differences. (CAN PHIL 4)

**PHIL 9 Philosophy of Science 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4); Mathematics 101 or 112.  
Four hours lecture.  
Examines central issues in the philosophy of science. Issues will include the aims of science, scientific explanation, the testing and confirmation of theories, the nature of scientific theories, rationality and the development of science, the constructivist view of science, distinguishing science from non-science, and the applicability of the methods of the natural sciences to social phenomena.

**PHIL 14A Introduction to Eastern Philosophy (India) 4 Units**  
(Formerly Philosophy 14.)  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4). (Also listed as Humanities 14A. Student may enroll in either department, but not both, for credit.)  
Four hours lecture.  
A study of the development of philosophical thought in South Asia. The emphasis is directed primarily to the Vedas, Vedanta, and the impact of early Buddhism in India. Attention is given throughout to the influences of Eastern philosophy in modern life.

**PHIL 14B Introduction to Eastern Philosophy (China) 4 Units**  
(Formerly Philosophy 15.)  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4). (Also listed as Humanities 14B. Student may enroll in either department, but not both, for credit.)  
Four hours lecture.  
A study of the evolution of philosophical thought in China and related regions. Emphasis will be directed to the development of the various schools of Mahayana Buddhism. Related areas of study, such as Taoism and Confucianism, will also be included. Attention is given throughout to the influences of Eastern philosophy in modern life.

**PHIL 14C Introduction to Eastern Philosophy (Japan) 4 Units**  
(Formerly Philosophy 16.)  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4). (Also listed as Humanities 14C. Student may enroll in either department, but not both, for credit.)  
Four hours lecture.  
A study of the evolution of philosophical thought in Japan. The emphasis will be directed to the development of Zen Buddhism. Related areas of study, such as Shinto, will also be included. Attention is given throughout to the influences of Eastern philosophy in modern life.

**PHIL 17 Critical Consciousness and Social Action 4 Units**  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4). (Also listed as Intercultural Studies 17. Student may enroll in either department, but not both for credit.)  
Four hours lecture.  
Considers the philosophical basis and strategies of social action and relates these to general theories on morality and social change and to contemporary issues. The moral and political thought of Mahatma Gandhi, Martin Luther King, and Paulo Freire.

**PHIL 20A History of Western Philosophy From Thales to Aristotle 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 1A or English as a Second Language 5.  
Four hours lecture.  
An introduction to the major philosophers in the Western tradition from the pre-Socratics through Plato and Aristotle. An analysis of these philosophers' ideas about the nature of knowledge, what it means to be a human being, and the roots of the idea of philosophy as it is understood in the Western tradition. (CAN PHIL 8)

**PHIL 20B History of Western Philosophy from the Renaissance through Kant 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 1A or English as a Second Language 5.  
Four hours lecture.  
An introduction to the major philosophers of the Western tradition from the Renaissance through the early modern period, with a focus on thinkers such as Descartes, Hume, and Kant. An engagement with these thinkers' ideas about the nature of science, the relationship between reason and religion, and the relationship between mind and body.

**PHIL 20C History of Western Philosophy in the 19th and 20th Centuries 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 1A or English as a Second Language 5.  
Four hours lecture.  
An introduction to the major philosophers of the Western tradition in the 19th and 20th Centuries with an emphasis on major philosophers such as Hegel, Russell, Nietzsche, Sartre, DeBeauvoir, and Wittgenstein. An examination of questions about the relationship between language and thought, the nature of human existence, and the limits of philosophy.

**PHIL 24 Philosophy of Religion 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).  
Four hours lecture.  
A philosophical investigation of religious experience as expressed by several different human cultures from many different historical periods; an analysis of the emergence of modern western philosophy of religion and its major issues; and an analysis of current issues in contemporary philosophy of religion including such issues as religion and feminism, East-West attitudes toward philosophy and religion, religious fundamentalism and politics, and others.

**PHIL 30 Introduction to Existential Phenomenology 4 Units**  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).  
Four hours lecture.  
Examination of the problems of knowledge, reality, truth, and value in existential and phenomenological thinkers and their application to social, aesthetic, and religious issues.

**PHIL 49 Women and Philosophy 4 Units**  
(Formerly Philosophy 55.)  
(See general education pages for the requirement this course meets.)  
Advisory: English Writing 1A or English as a Second Language 5.  
(Also listed as Women's Studies 49. Student may enroll in either department, but not both, for credit.)  
Four hours lecture.  
Examination of feminist theory and philosophy produced by a diverse range of women and investigation of the ways that understandings of the relations between the sexes have influenced the work of philosophers from different cultures.

## Photography

**PHTG 1 Basic Photography 3 Units**  
Advisories: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163; Mathematics 200 or 210.  
Two hours lecture, three hours laboratory.  
Introduction to black and white photography. Overview of the 35mm camera's operating system. Basic understanding of film processing, printing and finishing. Development of critical thinking skills to analyze historical, cultural, conceptual, and practical aspects of a medium used worldwide. (CAN ART 18)



<b>PHTG 2</b>	<b>Intermediate Photography</b>	<b>3 Units</b>	<b>PHTG 55</b>	<b>Experimental Photography</b>	<b>3 Units</b>
<p><i>Prerequisite: Photography 1.</i>  <i>Advisories: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163; Mathematics 200 or 210.</i>  <b>Two hours lecture, three hours laboratory.</b>            Intermediate black and white photography. Overview of the medium format camera and continued use of the 35mm camera. Demonstration of basic 4x5 camera principles. Introduction to studio lighting and emphasis on studio practices. Continued development of critical thinking skills to analyze historical, cultural, conceptual, and practical aspects of a medium used worldwide.</p>			<p><i>Prerequisites: Photography 1, 2, and 54.</i>  <b>Two hours lecture, three hours laboratory.</b>  <i>(May be taken three times for credit.)</i>            Continuation of experimental and historical approaches to both camera and darkroom use in the creation of photographic images, including non-silver and alternative processes.</p>		
<b>PHTG 3</b>	<b>Advanced Photography</b>	<b>3 Units</b>	<b>PHTG 56A</b>	<b>Color Photography I</b>	<b>4 Units</b>
<p><i>(Formerly Photography 51.)</i>  <i>Prerequisite: Photography 2.</i>  <i>Advisories: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163; Mathematics 200 or 210.</i>  <b>Two hours lecture, three hours laboratory.</b>            Advanced black and white photography. Introduction to large format photography. Pre-visualization of image and the application of the Zone System including archival print processing. Process and print technically and well-conceived images as part of a final portfolio. Refined development of critical thinking skills to analyze historical, cultural, conceptual and practical aspects of a medium used worldwide.</p>			<p><i>Advisories: Photography 51 and Mathematics 101 or 112 or equivalent.</i>  <b>Two hours lecture, six hours laboratory.</b>            Negative-positive color systems. Professional procedures for basic color-printing, processing, and print evaluation. Contemporary styles in color photography.</p>		
<b>PHTG 7</b>	<b>Exploring Visual Expression</b>	<b>4 Units</b>	<b>PHTG 56B</b>	<b>Color Photography II</b>	<b>4 Units</b>
<p><i>(Formerly Photography 63.)</i>  <i>(See general education pages for the requirement this course meets.)</i>  <i>Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).</i>  <b>Four hours lecture, one additional hour to be arranged.</b>            A comprehensive introduction to the field of photography as a science, an art, and as a medium for visual communication. The development of critical thinking skills to analyze intellectual, philosophical, ethical and aesthetic concerns expressed by photographers worldwide. Basic understanding of light, color, composition and visual awareness. Instruction on the use of 33 mm cameras, lenses, film, and other creative controls of photography for personal expression.</p>			<p><i>Advisory: Photography 56A.</i>  <b>Two hours lecture, six hours laboratory.</b>            Reversal System for Color Photography. Film processing, dye-bleach printing, production and printing of inter negatives, silver masking, custom lab operation, permanence of color images.</p>		
<b>PHTG 20</b>	<b>History of Early Photography from Its Beginnings to 1925 and Its Impact on Social Change and Communication</b>	<b>4 Units</b>	<b>PHTG 57A</b>	<b>Commercial Photography I</b>	<b>3 Units</b>
<p><i>(See general education pages for the requirement this course meets.)</i>  <i>Advisory: English Writing 100B and Reading 100 (or Language Arts 100), or English as a Second Language 24 and 72 (or English as a Second Language 4).</i>  <b>Four hours lecture, one additional hour to be arranged.</b>            The development of amateur photography, major artistic styles, a comparison of photography and painting, drawing, and the other visual arts will also be explored. The course will also assess photography's impact on world communication, social change, and the interpretation and analysis of visual reality to 1925.</p>			<p><i>Advisories: Photography 51 and 56A.</i>  <b>Two hours lecture, three hours laboratory.</b>            Photographs for business and industry. Corrective camera techniques, portrait and product photography, use of studio lights to model form and texture, control of reflections.</p>		
<b>PHTG 21</b>	<b>Contemporary Trends in 20th Century Photography</b>	<b>4 Units</b>	<b>PHTG 57B</b>	<b>Commercial Photography II</b>	<b>3 Units</b>
<p><i>(See general education pages for the requirement this course meets.)</i>  <i>Advisory: English Writing 1A or English as a Second Language 5.</i>  <b>Four hours lecture, one additional hour to be arranged.</b>            A comprehensive introduction to the history of 20th Century photography, including major movements, photographers, styles and applications starting in 1925. Examination of photography's impact as a cultural, visual and social force worldwide during the 20th Century.</p>			<p><i>Advisories: Photography 51 and 56A.</i>  <b>Two hours lecture, three hours laboratory.</b>            Architectural and fashion photography. Commercial studio organization and operation. Business records, pricing, laws of ownership and privacy. Preparation of a portfolio for seeking employment.</p>		
<b>PHTG 52</b>	<b>Photography Production Lab</b>	<b>1 Unit</b>	<b>PHTG 58A</b>	<b>Beginning Digital Imaging</b>	<b>3 Units</b>
<b>PHTG 52X</b>		<b>2 Units</b>	<p><i>Prerequisite: Photography 1.</i>  <i>Advisory: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163.</i>  <b>Two hour lecture, three hours laboratory.</b>  <i>(Any combination of Photography 58A and 58B may be taken up to six times, not to exceed 18 units for the family of courses.)</i>            Digital imaging using the application Photoshop. Overview of Macintosh operating system. Basic understanding of image capture, input, storage, and output. Use of specifically photographic methods and controls to create and manage imagery in an all digital environment. The development of critical thinking skills to analyze diverse cultural, intellectual, philosophical, ethical and aesthetic concerns of the photographic medium as a part of new technologies.</p>		
<p><i>Corequisite: Photography 52 students must also enroll in a Photography Department course other than Photography 1, 20, 21. Photography 52 and 52X may not be taken concurrently.</i>  <b>Three hours laboratory per week for each unit of credit.</b>  <i>(Any combination of Photography 52 and 52X may be taken up to six times, not to exceed 18 units for the family of courses.)</i>            Supervised use of photographic studio and darkrooms to complete projects assigned in other photography courses.</p>			<b>PHTG 58B</b>	<b>Intermediate/Advanced Digital Imaging</b>	<b>3 Units</b>
<b>PHTG 53</b>	<b>High Contrast Photography</b>	<b>3 Units</b>	<p><i>Prerequisite: Photography 58A.</i>  <i>Advisory: English Writing 100A and Reading 201 (or Language Arts 200), or English as a Second Language 161, 162 and 163.</i>  <b>Two hours lecture, three hours laboratory.</b>  <i>(Any combination of Photography 58A and 58B may be taken up to six times, not to exceed 18 units for the family of courses.)</i>            Refinement of digital imaging skills using the application Photoshop. Learn montage, advanced layering, selecting and masking techniques. Understanding of color management, channels and optimization of the toolbox. Use of specifically photographic methods and controls to create and manage imagery in an all-digital environment. Development of critical thinking skills to analyze diverse cultural, intellectual, philosophical, ethical and aesthetic concerns of the digital photograph.</p>		
<p><i>Prerequisites: Photography 1, 2.</i>  <b>Two hours lecture, three hours laboratory.</b>  <i>(May be taken twice for credit.)</i>            Fundamental study of basic graphic arts materials and techniques with emphasis on the theory and application of various high contrast processes.</p>			<b>PHTG 59</b>	<b>Special Projects in Photography</b>	<b>2 Units</b>
<b>PHTG 54</b>	<b>Experimental Photography</b>	<b>3 Units</b>	<p><i>Prerequisite: Photography 51.</i>  <b>Six hours laboratory.</b>  <i>(May be taken up to six times, not to exceed 18 units, as long as the topics/projects are different each time.)</i>            Individual projects in creative, technical, or applied photography by arrangement with the instructor. A limited area is explored in depth. Six hours per week to be arranged by written contract.</p>		
<p><i>Prerequisites: Photography 1, 2.</i>  <i>Advisory: Photography 6.</i>  <b>Two hours lecture, three hours laboratory.</b>  <i>(May be taken three times for credit.)</i>            Experimental, historical, and current approaches of both camera and darkroom use in the creation of contemporary photographic images.</p>			<b>PHTG 60</b>	<b>The Photographic Fine Print I</b>	<b>3 Units</b>
			<p><i>Advisories: Photography 1 and 2.</i>  <b>Two hours lecture, three hours laboratory.</b>            Acquiring maximum quality printing skills by using problem-solving techniques with negatives to produce a cohesive body of photographs with a focused content.</p>		
			<b>PHTG 61</b>	<b>The Photographic Fine Print II</b>	<b>3 Units</b>
			<p><i>Prerequisites: Photography 1 and 2.</i>  <i>Advisory: Photography 53.</i>  <b>Two hours lecture, three hours laboratory.</b>            Construction of a maximum quality portfolio of photographs with a focused direction to be used for photographic employment application purposes.</p>		