

moorpark college
catalog 1972-73

SIXTH ACADEMIC YEAR

MEMBER OF

The American Association of Junior Colleges
The California Junior College Association
The Western Association of Schools and Colleges

ACCREDITED BY

The Western Association of Schools and Colleges
The California State Department of Education

MAILING ADDRESS

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FALL SEMESTER CALENDER

August
28 Registration for evening
classes - 6:30 p.m.
September
1-8 Registration for fall
semester.
4 Holiday, Labor Day
8 Holiday, Admissions Day
9 Jewish New Year
15 Validation Day
18 INSTRUCTION BEGINS
October
23 Holiday, Veteran's Day
27 Last day to drop classes
without prejudice
November
13 Second 8-week
courses begin
23-24 Holiday, Thanksgiving
Day Recess
December
18 Holiday, Christmas &
New Year's recess begins
January
2 Classes Resume
24-31 Final Examinations
31 End of Fall Semester
February
2 Validation Day

SPRING SEMESTER CALENDER

February
5 INSTRUCTION BEGINS
12 Holiday, Lincoln's Birthday
19 Holiday, Washington's Birthday
March
16 Last day to drop classes
without prejudice
April
2 Second 8-week
courses begin
13 Last day to file intent
for graduation
16-20 Spring Vacation
23 Classes Resume
May
28 Holiday, Memorial Day
June
7-14 Final Examinations
14 End of Semester and end of
enrolled students for summer
and fall sessions
15 Commencement Exercises
18 INSTRUCTION BEGINS
SUMMER SESSION

INDEX

Academic Calendar - 1
Academic Policies - 5, 7
Accounting - 17
Accreditation - 1
Adaptive Physical Education - 45
Administration - 1
Administration of Justice - 9, 56
Admissions and Records - 1, 3
Advertising - 18
Advertising Design - 32
African History - 34
Afro-American Literature - 27
Agriculture - 10, 57
Agri-Business - 58
Agronomy - 10
Airline Hostess - 67
Algebra - 39
Anatomy - 15
Animal Husbandry - 10, 58
Anthropology - 12, 58
Apparel Selection and Grooming - 35
Applications - 3
Archery - 45
Art - 13, 59
Athletics - 44
Associate in Arts Degree - 7
Associated Students - 5
Badminton - 45
Ballet - 45
Band - 42
Baseball - 46
Basketball - 46
Behavioral Science - 15
Biology - 15
Biological Sciences - 15, 59
Bookkeeping - 17
Botany - 16
Bowling - 45
Broadcasting - 16, 60
Business - 17, 61
Business Data Processing - 17
Business Law - 18
Business Machines - 18
Business Management - 18
Calculus - 39
Calendar, Academic - 1
Career Development - 4
Career Resource Center - 4
Ceramics - 14
Charges - 4
Chemistry - 19, 62
Child Care - 21, 63
Choir - 41
Cinematography - 20
Clothing - 35
Commercial Art - 31, 32
Computers - 20, 63
Conversational Spanish - 52
Correctional Administration - 10, 56
Cooking - 34
Counseling - 4
Counseling Staff - 1
Creative Writing - 26
Credit by Examination Policy - 5
Credit-No credit - 6
Criminology - 9
Cultural Anthropology - 12, 58
Dance, Modern - 45
Data Processing - 20, 63
Dean's List - 6
Dental - 59
Dismissal - 7
Division Chairmen, Faculty - 74-78
Doctor - 4
Drafting - 23, 64
Dropping A Course - 5
Drawing - 14
Early Childhood Development - 21, 63
Economics - 22, 63
Education - 22
Education Opportunity Grants - 4
Electronics - 23, 64
Eligibility - 1, 3
Employment Service - 4
Engineering - 22
Engineering Technology - 22, 64
English - 25, 65
English/Second Language - 26
Entomology - 11
Environmental Science - 27
Environmental Technology - 27
Escrow - 28, 65
Expenses, Student - 4
Faculty - 74 - 78
Family Health, Home Nursing - 33, 35
Fees - 4
Financial Aid - 4
Finance - 18
Fire Science - 28, 65
First Aid - 33, 35
Food Preparation - 36, 68
Football - 46
Forensics - 53
Foreign Students - 2
Forestry - 11, 58
French - 29, 65
General Education Requirements - 8, 55
General Studies - 29
Geography - 29, 66
Geology - 30, 66
German - 30, 66
Glossary - 78
Golf - 45, 46
Governing Board - 1
Government Administration - 31
Grading Policies - 5
Graduation Requirements - 7
Grants - 4
Graphic Communications - 31, 66
Guidance - 4
Health Science - 33
Health Service - 4
History, College - 1
History - 33, 67
Home Economics - 34, 62, 67
Home Furnishings - 34
Horticulture - 11
Hotel & Restaurant Management - 36, 68
Housing - 5
Human Anatomy - 15
Humanities - 36
Immunization - 4
Income Tax - 18
Incomplete Grades - 5
Industrial Supervision - 61
Instructional Aide Program - 68
Insurance - 5
Journalism - 37, 68
Keypunch - 20
Landscape Horticulture - 12, 58
Late Registration - 3
Layout - 31
Law Enforcement - 9
Leadership - 38
Library Technology - 38, 68
Literature - 25
Literature, American Indian - 25
Loans - 4
Logic - 43
Man and the Arts - 37
Management - 18
Man in Society - 36
Mathematics - 39, 69
Mechanics - 25
Medicine - 60
Meteorology - 29, 48
Mexican-American Literature - 27
Mexican-American Studies - 40, 70
Microbiology - 15
Music - 41, 70
Natural Resources Technician - 11, 58
News Reporting - 37
Nurse - 4
Nursery School Education - 21, 63
Nutrition - 36
Objectives - 1
Officiating - 47
Orchestra - 42
Organic Chemistry - 19
Out-of-District Permits - 2
Painting - 14
Part-time Employment - 4
Personal Growth - 43, 70
Personnel Management - 19
Permits, Entrance - 1, 2
Permits, Transfer - 8
Philosophy, College - 1
Philosophy - 43, 70
Photography - 43
Physical Anthropology - 12, 58
Physical Education, Professional
Courses - 44, 47, 71
Physical Science - 48
Physical Therapy - 59
Physics - 47, 71
Physiology - 16
Piano - 42
Placement Tests - 3
Police Science - 9, 56
Policies, Academic - 5
Political Science - 49, 71
Printmaking - 14
Probation - 6, 57
Programming - 20, 63
Psychology - 49, 72
Quantitative Analysis - 19
Quantity Foods - 36
Radio-Television Writing - 17
RAP Sessions - 4
Reading - 50
Real Estate - 51, 72
Recreation - 51, 72
Registration - 3
Registration, Late - 3
Religion, Comparative - 43
Repeating a Course - 5
Reporting, News - 37
Restaurant - 36, 68
Retailing - 61
Salesmanship - 18
Scholarships - 4
Sculpture - 15
Secretarial - 17 - 62
Selective Service - 5
Shakespeare - 26
Shorthand - 18
Short Story - 26
Slide Rule - 40
Sports - 44, 47, 71
Social Science - 52
Social Welfare - 72
Sociology - 52, 73
Spanish - 41, 52, 73
Speech - 53, 73
State College General Education
Requirements - 55
Statistics - 39
Stenography - 62
Student Activities & Organizations - 5
Student Services & Procedures - 4
Students, Foreign - 2
Summer Stock - 54
Supervision - 18, 61
Surveying - 22
Tai Chi Chuan - 37
Tailoring - 35
Television - 16
Television Writing - 16
Tennis - 45
Testing, Placement - 3
Textbooks - 4
Textiles - 35
Theatre Arts - 54, 73
Track - 46
Transcripts, Entering Students - 3
Transfer Credit - 8
Transfer Requirements - 8
Transportation - 5
Trustees - 1
Tuition - 4
Typewriting - 17, 62
Turfgrass - 12
Urban Studies - 54
U.S. Culture & Society - 37
U.S. History - 33
Validation of Enrollment - 3
Varsity Sports - 46
Veterans - 5
Veterinary - 60
Voice - 41
Western Civilization - 33
Wild Animal Behavior - 15
Withdrawal from College - 5
Work-Study Opportunity - 4
Wrestling - 44
Zoology - 16

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THE PHILOSOPHY

The Ventura County Community College District is dedicated to meeting the needs of the residents of the District for education beyond the high school level. The education provided is to help each student realize his greatest potential by cultivating his cultural and vocational abilities, by preparing him to assume the responsibilities of citizenship in a free society, and by utilizing his resources to achieve a richer and more productive life.

The guiding philosophy of Moorpark College is based on an enduring belief that each man wants to realize his own potential; and that, armed with this powerful motivating force, he has the capacity to learn, and thus, to direct his own destiny. To make progress toward this major objective, it is required that each member of the college community:

Have access to information about his natural environment, and himself, about society, and about his heritage.

Be provided an opportunity to gain understanding of important issues, concepts, and relationships.

Enjoy freedom to inquire, to explore, to take issue, and to choose.

Develop a level of competency that gives him a chance to become self-sustaining and discerning.

HISTORY

On July 1, 1962, the Ventura County Community College District became a legal entity charged with the operation of a program of public community college education in Ventura County.

The people of Ventura County are served by two colleges, Moorpark and Ventura. Ventura College has been in operation since 1925, first as a part of the Ventura Union High School District, later, as a separate institution. Moorpark College was established by Board action on March 19, 1963, to serve primarily the rapidly growing communities of eastern Ventura County. The 134-acre hillside site for Moorpark College, located between Simi and Moorpark in eastern Ventura County, was selected early in 1963. Later that year the Moorpark College Advisory Committee was appointed by the Board and charged with making recommendations regarding finance, architecture, curriculum, and service. In April, 1964, this Committee reported to the Board, and plans were put into effect to bring the college into existence. In 1965, the master plan for developing the college was approved by the Board. This plan called for the construction of facilities in two phases, with the first phase completed in the fall of 1967 to accommodate 2,000 students. Eventual completion of the second phase will bring the plant capacity to 5,000 day students.

On July 1, 1966, the Board of Trustees appointed Dr. John J. Collins as Moorpark College's first president. During 1966-67, Dr. Collins and his staff completed the plans for staffing, curriculum, student services, and plant occupancy. Moorpark College opened its doors to students for the first time September 11, 1967. Over 2,500 day and evening students attended classes at the college during its first semester. The college held its first open house December 3, 1967 with over 3,000 persons in attendance.

Moorpark College was officially dedicated and Dr. John J. Collins inaugurated as first President at colorful ceremonies May 3, 1968. The Honorable Houston Fluornoy, Controller of the State of California, was the principal speaker.

In May, 1968, the college received its first formal accreditation visit and was recommended for full accreditation by the Western Association of Schools and Colleges. Course offerings and programs have expanded with each succeeding semester. In its fourth year of operation, the college added a new Applied Arts building which provides facilities for Law Enforcement, Home Economics, operation of a Nursery School and Graphic Arts. The building features a special forum which can be used for large class instruction, lectures, films, and dramatic presentations. Our latest addition is a building to house the Theatre Arts program, an art studio, general purpose classrooms and offices.

The college, has grown from less than 1200 day students in its first semester to over 4000 day students anticipated for the fall semester, 1972. An additional 3000 attend the college in the evening.

SPECIFIC OBJECTIVES

A. CURRICULUM

Consistent with the philosophy of providing educational opportunities, access to information, and the development of competencies, Moorpark College offers the following educational programs designed to meet the needs of those who choose to enroll.

1. General Education

Recognizing that man is more than a mere unit of production, and that students must learn to live as well as earn a living, Moorpark College emphasizes the values of general education. To this end, then, it is essential that a student develop a command of the written and spoken language; understand mathematics; have knowledge of the structure and function of the human body; develop an understanding of the history and political institutions of the United States; learn to appreciate beauty, form, and color; perceive his own roles and understand the society in which he lives, and become familiar with the elements of the scientific method.

2. Preparation for Transfer

Moorpark College provides programs and courses that satisfy the lower division requirements at four-year colleges and universities in general education and in a wide variety of pre-professional fields. Special care is exercised to see that these courses and programs are parallel with those offered at senior colleges, and that they do, in fact, transfer with full credit. Articulation with senior colleges is a joint responsibility of faculty and administration.

3. Vocational-Technical Education

Preparation for employment is an important and legitimate function of higher education. Moorpark College recognizes the changing nature of industrial society and, therefore, is committed to specific preparation as well as broad-gauge vocational-technical training that prepares for tomorrow as well as today. Vocational-technical programs are designed to provide entry-level skills, technical skills, technical knowledge that will permit employment mobility as changes occur, and general education that is the footing upon which specialized training is erected.

4. Developmental Programs

Moorpark College seeks to meet the needs of those who choose to enroll, but who are not fully prepared for the demands of college level instructional programs. Since the learning process takes place via the use of words and numbers, all students must develop command of the written and spoken language, as well as a degree of mastery of mathematical processes. Those who lack these skills will not find equal opportunity in the college classroom. Those students are, therefore, offered a well-programmed chance to improve, including developmental reading, vocabulary building, oral communication, basic mathematics, and logic.

B. CO-CURRICULUM

Moorpark College recognizes that students have many needs beyond those served by the formal curriculum. Students are viewed as full participants in the development of programs leading to effective self-government, cultural enrichment, intellectual stimulation, and social growth. These programs should reflect the purposes of the college and the diversity of student interests and needs. Students do not merely experience the climate of the campus; they help create it and in doing so, exercise their privileges and responsibilities as citizens.

C. GUIDANCE

To help implement the philosophy of the "open door," guidance services are provided to assist students in assessing their own capabilities, interests, and goals. Moorpark College is strongly committed to a policy of engaging students, counselor, faculty members, community resources, and necessary specialists in the very important task of helping students develop personal and vocational goals and values.

D. COUNSELING

At the counseling center, counselors are available daily to help students with their personal problems on a walk-in-no-appointment basis. Concerns and problems are held in the strictest confidence.

ADMISSIONS ELIGIBILITY

GENERAL Moorpark College admits all high school graduates or persons over 18 years of age who are capable of profiting from instruction.

SPECIAL Students disqualified from other institutions must schedule an appointment with the Dean of Students prior to admission.

OUT-OF-COUNTY California students with legal residence in one of the following community college districts must present a permit for attendance from that district before completing registration in classes at Moorpark College:

Antelope Valley Joint Community College District (Antelope Valley College)
Butte Community College District (Butte College)
Cabrillo Community College District (Cabrillo College)
Cerritos Junior College District (Cerritos College)
Compton Junior College District (Compton College)
Foothill Community College District (Foothill College, DeAnza College)
Fremont-Newark Community College District (Ohlone College)
Los Angeles Community College District (East Los Angeles College, Los Angeles City College, Los Angeles Harbor College, Los Angeles Pierce College, Los Angeles Southwest College, Los Angeles Trade-Tech College, Los Angeles Valley College, Northwest Valley College, West Los Angeles College)
Marin Junior College District (College of Marin)
Merced Community College District (Merced College)
Monterey Peninsula Community College District (Monterey Peninsula College)
Mt. San Jacinto Junior College District (Mt. San Jacinto College)
Redwoods Joint Community College District (College of the Redwoods)
Riverside Community College District (Riverside City College)
Saddleback Community College District (Saddleback College)
San Francisco Community School District (City College of San Francisco)
San Joaquin Delta Community College District (San Joaquin Delta College)
San Jose Community College District (San Jose City College)
San Mateo Junior College District (Canada College, College of San Mateo, Skyline College)
Santa Barbara Junior College District (Santa Barbara City College)
Santa Clarita Valley Community College District (College of the Canyons)
Shasta-Tehama-Trinity Joint Junior College District (Shasta College)
Siskiyou Joint Community College District (College of the Siskiyous)
Victor Valley Joint Junior College District (Victor Valley College)
West Hills Junior College District (West Hills College)
West Kern Junior College District (Taft College)
Yuba Community College District (Yuba College)

Students desiring to attend a community college listed above must obtain an application form in the Dean of Students' office at Moorpark College. After completing the application and having it reviewed by the Dean of Students, the student must file the application with the Ventura County Community College District at 71 Day Road, Ventura. If the permit is granted, it will be issued by the District office.

The list of colleges is subject to change. Please check with the Records Office after July 1 concerning out-of-county permits.

OUT-OF-STATE Out-of-state residents and foreign students are charged a tuition fee fixed each year by the California State Legislature. Students on active duty in the United States Armed Forces, and their dependents, are exempt from tuition fees. Students carrying six units or less are required to pay tuition fees under current policy.

FOREIGN STUDENTS

Foreign students desiring to attend Moorpark College must follow the procedure outlined below:

1. Submit a completed application for admission.
2. Provide evidence of proficiency in the use of the English language. Students are required to complete the Test of English as a Foreign Language (TOEFL) and achieve a score of at least 505. For information they should write:

Educational Testing Service
Box 899
Princeton, NJ 08540
3. State a specific objective.
4. Submit a letter of recommendation and transcripts from preparatory schools and colleges previously attended.
5. Submit a confidential statement of finance.
6. Submit a health statement from an American physician. This statement must include TB X-ray results.
7. Immigration Department form I-20A will be issued only after all other prerequisites for admission have been met.

Moorpark College attempts to select for admission only those foreign students who are above average in scholastic achievement and personal qualifications.



ADMISSIONS PROCEDURE

1. **APPLICATION FOR ADMISSION**--Application may be obtained by calling the Records Office (529-2321, extension 255), or by writing to that office. This form should be completed and returned as soon as possible.
2. **TRANSCRIPTS**--Request the high school last attended to forward an official transcript of all work completed to the Registrar, Moorpark College. Students who have previously attended college must request that all colleges attended forward official transcripts to the Registrar, Moorpark College.

Students transferring to Moorpark College from other colleges or universities are required to declare all previous college work evidenced by official transcript. Failure to provide complete information may result in dismissal from Moorpark College. Students transferring from accredited colleges will normally be granted credit for lower division courses which correspond to courses described in this catalog.

3. **PLACEMENT**--Placement of student in classes is based on high school transcript and the desire of the student. No placement test is required. If, however, there is no transcript available, or if the student has been out of high school for more than three years, he will need to take the placement test. These tests should not be misinterpreted as entrance examinations, they are used only to aid the counselor and student in placing the student in proper classes.

At the discretion of the institution, tests may be required for placement in courses.

Placement tests will be given during July and August on the Moorpark College campus. Specific information in regard to test dates can be obtained by calling the college, 529-2321, extension 219, or by writing to the Counseling Center, Moorpark College.

4. **COUNSELING INTERVIEW**--Each student will have the assistance of a counselor in planning his program of study. Preliminary thought should be given to the selection of a major and courses to gain the full benefit of the counseling conference. In planning a program, the student should consider abilities, skills, and personal qualities needed in selected vocational fields. Students who intend to transfer to another college at some future date should become aware of the requirements for transfer.

The normal program of study is 15½ to 17½ units. Thus, the average student will complete the requirements for the Associate in Arts degree within four semesters. First-semester freshmen are encouraged to limit themselves to a normal program. Students whose previous semester grade-point average was 3.25 or above, or who have a cumulative GPA of 3.00 or more in two or more semesters' work may take up to 19½ units. Those students who wish to enroll in more than 19½ units are asked to confer with the Dean of Students.

5. **REGISTRATION**--Students may register immediately after counseling interviews. Student body number (available from the Bookstore) is required before registration.
6. **POLIO AND MEASLES IMMUNIZATION**--Students under 21 years of age, enrolling at Moorpark College for the first time, and who have not attended a California school must show evidence of immunization for measles and polio at the time of registration.
7. **VALIDATION**--Students who have completed their registration process must validate their registration by securing their schedule of classes.
8. **LATE REGISTRATION**--Late registration severely handicaps the student in achieving college success and should be avoided whenever possible.

Ordinarily, a student may not register at Moorpark College after the second week of the semester. Exceptions will require approval of the Dean of Admissions and Records.

Adding a class is an official transaction which can only occur if the student is registered. Students may add classes to their schedules through the third week of the semester. The instructor's written permission is required for each class added. Instructor's permission and regular attendance do not constitute registration.



EXPENSES

There is no tuition fee for students who qualify as legal residents of California. The maximum nonresident tuition fee for the 1972-73 academic year is \$750.00 or \$375.00 per semester. Tuition fees are \$25.00 per unit to a maximum of \$375.00 per semester. Membership in the Associated Student Body is \$8.00 per semester. This entitles the student to free admission to all athletic events, college drama presentations, music programs, college film series, lectures, cultural events, and to accident insurance coverage.

Textbooks and supplies are available for purchase in the college bookstore located in the Campus Center. These items will cost approximately \$35.00 to \$60.00 per semester.

Transcripts of academic work taken at Moorpark College will be sent to any college or university, upon request of the student. Three requests for transcripts will be honored free of charge. For each additional request, there is a charge of one dollar.

FINANCIAL AID

Students who need funds for continuance of their education should apply for financial aid through their counselor or the Financial Aid Officer. To extend financial aid to the largest number of students, Moorpark College attempts to develop financial aid packages which combine grants, loans, and work-study. Students should be aware of deadline dates for applying for financial aid. These dates change from year to year, but information can be obtained by calling or visiting the financial aids office.

EDUCATIONAL OPPORTUNITY GRANT (EOG)

The Educational Opportunity Grant is a federal program. Students with exceptional financial need who attend MC may be eligible. A grant of this type ranges in amount from \$200 to \$800 per academic year, and can be no more than one-half the total assistance given to a student. The grant is not a loan and does not require repayment. In order to remain eligible, a student must maintain a fully-enrolled status and satisfactory grades.

NATIONAL DEFENSE STUDENT LOAN (NDSL)

The National Defense Student Loan Program provides loans up to \$1000 per year. These loans bear simple interest on the unpaid balance at the rate of 3 percent. Interest is not charged, nor repayment required, until 9 months from the date the borrower ceases to be a full or half-time student. Repayment of such a loan is scheduled over a 10-year period.

WORK STUDY PROGRAM (CWSP)

A limited number of qualified students may obtain employment through the work-study program. Students are limited to 15 hours per week while classes are in session; but at other times may work up to 40 hours per week. Average earnings during the nine-month academic year range from \$600-\$800. Employment is available on or off campus.

FEDERALLY INSURED LOAN

The Financial Aid Officer will assist students in obtaining funds under the Federally Insured Program. The educational loan comes directly from a bank or other commercial lender. These loans bear simple interest on the unpaid balance at the rate of 7 percent. Interest is not charged, nor repayment required, until 9 months from the date the borrower ceases to be a full or half-time student. Repayment of such a loan is scheduled over a 10-year period. The Federal Government, in cooperation with designated State agencies, private nonprofit agencies, and participating lenders, has designed two main features to enable students to borrow from participating lending institutions assisting payment of their educational costs. First, State or private agencies or the Federal Government guarantee the loan to the lender in case of death or default on the part of the student borrower. Second, the Federal Government assists eligible students with the interest payments on their loans.

LAW ENFORCEMENT EDUCATIONAL PROGRAM (LEEP)

Students who are enrolled in the Law Enforcement Program leading to a degree or a certificate are eligible for a loan under the Law Enforcement Educational Program if the institution is awarded funds from the federal government. Awards to institutions are made annually, and there is no guarantee that the institution will be awarded funds. If funds are available, announcements will be made to all Law Enforcement students.

SCHOLARSHIPS

All scholarship awards are made on a competitive basis; consideration is given to scholastic achievement, financial need, and academic promise. Eligibility for a scholarship is determined from the applicant's statement, official transcripts, and letters of recommendation. As scholarships become available for Moorpark College Students, announcements will be made in the COUNSELOR'S CORNER in the school newspaper.

EMPLOYMENT SERVICES

Students seeking part-time or permanent employment should apply at the Placement Office located in the Student Center. In the area of part-time employment, special emphasis is placed on locating work for which the student has been trained in order to relate his work experience to his vocational objectives. The placement service is available to current students, former students, and graduates.

Referrals for placement are made on the basis of qualities demonstrated by the student during his college attendance. Since employers rely upon the college to furnish them with information helpful in evaluating applicants, the office works in close cooperation with department heads and instructors. Application should be made in person at the Placement Office.

STUDENT SERVICES AND PROCEDURES

COUNSELING AND GUIDANCE

A variety of counseling services is provided at Moorpark College to assist students during their college career. Counselors are available to aid each student in making his own important decision by helping him examine his abilities, attitudes and values, and to evaluate his goals and make his own decisions concerning educational and career directions.

Specific Counseling services include personal counseling, group counseling, career development academic guidance, and information regarding graduation requirements and requirements for transfer to the state college and universities.

ACADEMIC GUIDANCE

Selection of classes and the planning of academic programs is primarily the student's responsibility. The counselor's role is that of a "resource person." A student is assigned a counselor and can drop in to see him at any time for a quick question or make an appointment for a longer session. The Counselor's office schedule is posted on his door. Feel free to consult him at any time. Pamphlets and booklets are also available to aid the student with his academic planning.

PERSONAL COUNSELING

The Counseling and Guidance Department realizes that students at sometime or other have problems and concerns that interfere with learning. The drop-in Center located in L-215 (upstairs in the Library Building) is designed to help student with these concerns. It allows an opportunity to discuss the problem or concern with a professional counselor in an informal and confidential atmosphere. A counselor is available Monday through Friday. Students should feel free to come in and consult with a counselor.

RAP SESSIONS

There is also an opportunity for students to join a RAP group which is designed to discuss problems and concerns in a group setting, usually with students who have similar concerns and problems. This very effective method of problem solving is done in an informal and confidential atmosphere. The groups are primarily unstructured and facilitated by a professional counselor. See the Personal Growth Section of the catalog for the descriptions of the many rap sessions available.

CAREER RESOURCE CENTER AND CAREER DEVELOPMENT

Many students are in the process of searching for career choice. The Counseling and Guidance Department operates a full service facility with such unique features as an up-to-date library of career information, a variety of audio visual aids designed for career exploration, informative speaker programs, timely films, and most important, career development counselors are available five days a week to aid students in the process of career development.

Career planning classes are also available which are designed to help students become aware of themselves and to become aware of the many careers available to them. The class is specifically designed to develop within the student a philosophy and procedure of selecting a career, to become aware of oneself, aware of careers and how the two factors are related. See the Personal Growth Section of this catalog for details regarding the career development class.

HEALTH SERVICES

Health services are available at the Health Center, which is located in the Administration Building, A-115. The college nurse is on duty daily to confer with students regarding health and illness problems. A doctor's services are available at specified hours with an appointment.

The following services are available free, or for a nominal fee, in the health center:

- First Aid
- Flu Vaccine (\$2.00)
- Gonorrhea test
- Health Counseling
- Hearing test
- Hemoglobin test
- Mono test
- Paps Smear (\$2.50)
- Physical Exam for E.O.P. students
- Physical Exam for team sports
- Pre-Scuba Diving Physicals
- Prenatal, natal, and post natal counseling
- Pre-entrance exams for transfer to other colleges
- Throat Culture for Streptococcus
- Pregnancy test
- Rheumatoid Arthritis test
- T.B. Tine test
- Tetanus Booster
- Urinalysis test
- V.D.R.I. test
- Vision test
- Weight control

INSURANCE

Your *A.S.B. card* entitles you to an accident policy which covers accidents on campus up to \$10,000. Also, all students with an *A.S.B. card* may purchase an Insurance policy on an individual basis. This policy covers sickness and accidents *off campus* - 24 hours a day - 7 days a week. Automobile and Motorcycle Insurance may be purchased at a reduced rate for all students having an *A.S.B. card*.

TRANSPORTATION

The Ventura County Community College District does not provide student transportation to and from Moorpark College. Car pool information is maintained on the bulletin board in the Student Center.

HOUSING

As a service to students seeking off-campus housing accommodations, the Housing Office, located in the Student Center, keeps an up-to-date file of rooms and apartments listed with the college by various householders and landlords. These listings describe in detail the facilities being offered, but do not imply that the College has approved the accommodations. Selection of housing, financial arrangements, and rules and regulations covering behavior are the responsibilities of the student and the landlord.

VETERANS

The Veterans Clerk in the Records Office maintains liaison with the Veterans Administration and the State Department of Veterans Affairs.

Students planning to enroll and obtain benefits under Public Law 89-358 should contact the Veterans Clerk prior to registration.

Veterans are encouraged to complete the required Veterans Administration forms through the Ventura County Veterans Affairs Office.

Moorpark College does not grant credit for military training but will evaluate transcripts of extension and USAFI courses completed while in the military service.

The college is approved for training of veterans under all applicable laws.

STUDENT ACTIVITIES AND ORGANIZATIONS

The Associated Student Body of Moorpark College is the student governing organization. This organization carries the major responsibilities for student government, campus organizations and the student activity program in general. The broad aims of this program are in close harmony with the objectives of the college in providing opportunities for personal development, group cooperation, the development of leadership, and the enrichment of college life.

Moorpark College has a planned program of cultural, professional, and recreational activities. All students are encouraged to participate in one or more activities, such as student government, dramatics, music, forensics, athletics, publications, or the club program. It is felt that students availing themselves of these opportunities receive a more complete and rewarding college experience.

SELECTIVE SERVICE

The Veterans Clerk in the Records Office is the liaison between the college and the Selective Service Administration. Those concerned with student deferments should contact the Veterans Clerk by October 1.

ACADEMIC POLICIES

GRADING SYSTEM

The quality of a student's work will be measured by a grading system as follows:

A-Excellent	4 grade points per unit
B-Good	3 grade points per unit
C-Average	2 grade points per unit
D-Minimum passing	1 grade point per unit
F-Failing	0 grade points per unit
I-Incomplete	0 grade points (no unit credit granted)
W-Withdraw	0 grade points (no unit credit granted)
CR-Credit	0 grade points (unit credit granted)
NC-No Credit	0 grade points (no unit credit granted)

INCOMPLETE GRADES

A grade of I (incomplete) is given to those students who fail to complete the required work of the course because of extenuating circumstances, e.g., missing the final examinations because of illness, or who have petitions granted to take late examinations.

At the time the instructor assigns the "I" grade he will also assign an alternate letter grade to be awarded the student in the event that the incomplete work is not completed. If the student makes up the work within one semester, the instructor will assign a new letter grade. After one semester, if the incomplete work is not made up, the alternate grade initially assigned for the course will take effect. Incomplete grades are not to be counted in computing grade point average.

WITHDRAWAL FROM COLLEGE

It is the student's responsibility to formally clear his record if he withdraws from college before the end of the semester. Grades at the time of withdrawal will be recorded according to the rules governing dropping of courses.

DROPPING A COURSE

The student may drop a course at any time during the semester. No grade check will be made during the first six weeks. Beginning with the seventh week, a student may be dropped with a "W" or with an "F", at the discretion of the instructor. The student dropping a course should notify his instructor and/or record the drop promptly in the Records Office.

REPEATED COURSES

A course in which a grade of "C" or better has been earned may not be repeated except as stated in the catalog course description or following a prolonged lapse of time between a prerequisite course and a subsequent course. A student must confer with the appropriate college administrative officer before repeating a course in which he has received a "C" or better letter grade. Any course in which a grade of "D" or "F" was earned may be repeated for the purpose of improving the recorded grade. The first grade may be lined through and omitted from the computation of cumulative grade point average. The second grade earned in such cases of repetition shall become the grade considered in computing the grade point average.

CREDIT BY EXAMINATION

Granting unit credit for a course by examination is based on the principle that previous experience, training, or instruction is the equivalent of a specific course taught in the college. If an examination indicates that the student possesses adequate equivalency and mastery of the subject, credit may be granted. The student's record shall show course identification and the number of units granted by examination; no letter grades shall be awarded. Each division of the college determines which of its courses for which credit by examination may be granted.

Exception to the above may be made when necessary to meet provisions of California state law or the rules and regulations of state agencies governing programs of the California Community Colleges.

For the purpose of this policy, a course shall mean an organized area of instruction of one semester's duration as described in the college catalog with units designated, and which is regularly offered on the schedule of classes. Regularly offered shall mean a frequency of not less than once in two years.

Credit by examination may be granted only to a student who is registered at the college and is in good standing.

The amount of unit credit granted by examination to an individual shall not count toward requirements of residency.

Moorpark College is authorized to grant credit by examination under the following conditions:

1. Students shall present written petitions for credit by examination. Approval may be granted by the Office of Instruction after consultation with and recommendation of appropriate staff members.
2. Course credit by examination shall not be permitted in the following areas:
 - a. Remedial courses
 - b. Courses where the materials have been satisfactorily completed at a previous school.

CREDIT-NO CREDIT

The student may enroll in specified courses under either the letter grading system or the "credit-no credit" grading system (except as indicated in the second paragraph). In both systems, the student participates in the course as a regular student. Under the "credit-no credit" system, if in the instructor's judgement the student satisfactorily completes the material (C grade or better), he will be assigned a "credit" grade for the course. If in the instructor's judgement, the student does not satisfactorily complete the course material, a "no-credit" grade will be assigned. A student may not enroll in more than 9½ units of "credit-no credit" courses in any one semester. Also, a student may not accumulate more than 20 units toward graduation under the "credit-no credit" system of grading.

All remedial courses, institutes, orientation courses and work experience courses will be under the "credit-no credit" system.

ADVICE TO STUDENTS CONCERNING CREDIT-NO CREDIT COURSES

In all cases students should complete course work in the area of their major on the letter grade basis. In addition, it is advisable that the student take the supporting courses which are affiliated with the student's major on a letter grade basis.

Enrollment in courses on a "credit-no credit" basis should only be attempted after consultation with the counselor to assure that the course work attempted will fit within the recommended patterns prescribed for the student's major by the anticipated transfer institution and this college's rules pertaining to the 9½ units per semester rule and the 20 units maximum rule for "credit-no credit" courses.

The student should discuss with each instructor the basis for earning credit in "credit-no credit" courses. The criteria for success in these courses is determined by the instructor.

DEAN'S LIST

Special recognition is accorded students who complete a program of 12 or more units with a 3.50 grade point average or higher during a semester. These students are placed on the Dean's List and given appropriate recognition on campus and in the community.

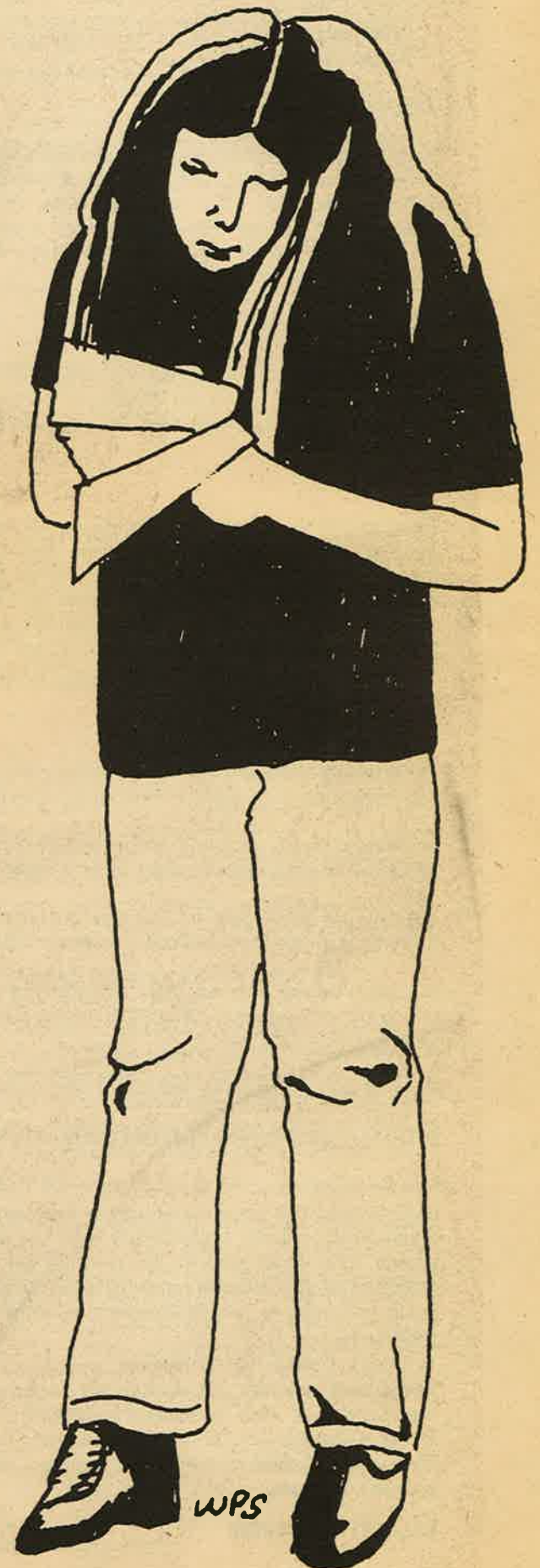
PROBATION-DISMISSAL POLICY

A. INTRODUCTION

Probation-dismissal principles and policies are designed to assist students to make progress toward realistic educational, vocational, and personal goals. Each student who chooses to enroll should be encouraged to take advantage of the opportunity to realize his full potential. Limitations regarding programs, courses, and unit loads are consistent with the philosophy of providing an opportunity to succeed. The following principles and policies are consistent with the provisions of the Education Code and Title 5 of the California Administrative Code.

B. PRINCIPLES GOVERNING THE ADMINISTRATION OF ADMISSION-PROBATION-DISMISSAL POLICIES

1. High school graduates or persons 18 years of age or older, capable of profiting from the educational programs offered, shall be admitted by the colleges of the District.
2. The admissions officer at each college shall have the responsibility of administering probation-dismissal policies.
3. Probation-dismissal policies, as applied to individual students, are to be administered in such a manner as to respect the integrity and privacy of the student.
4. A dismissed student who applies for readmission must make a written statement supporting his readmission. A student who is readmitted must, with the assistance of a counselor, undertake a thorough reassessment of his educational and vocational goals which shall be made a matter of record.





5. A student transferring to a Ventura County Community College District college from another college is subject to the same probation-dismissal policies as Ventura County Community College District students.
6. Admission to graded classes is conditional until complete transcripts have been received from previous schools and colleges attended.
7. A student subject to dismissal has the right of appeal for a review of his case.

C. RULES GOVERNING ACADEMIC PROBATION

1. A student placed on probation shall be provided individual counseling and guidance services, including regulation of his program according to subject matter prerequisites, aptitude and achievement.
2. A student will be placed on probation when his cumulative or semester grade averages fall below 2.00. Computations will be based on all college work attempted.
3. A student will be placed on probation when he has accumulated "no-credit" grades in at least one-half but not three-fourths of the units attempted under the "credit-no credit" system, or when, in the previous semester, he received "no-credit" grades in at least one-half but not three-fourths of the units attempted under the "credit-no credit" system.
4. A newly entering student who is not a high school graduate shall be placed on probation.
5. A newly entering student who is a high school graduate, but whose high school average for the last three years of high school attendance was less than 2.00 for all subjects attempted (excluding physical education and military sciences), shall be placed on probation.

D. RULES GOVERNING DISMISSAL

1. A student who does not meet District academic standards is subject to dismissal. Rules governing dismissal apply to any student who has attempted twelve (12) or more semester units or the equivalent.
2. A student shall be subject to dismissal when his grade averages for three consecutive semesters fall below 1.75. Computations will be based on all college work attempted.
3. A student shall be subject to dismissal when he has received "no-credit" grades in three-fourths or more of the units attempted under the "credit-no credit" system.
4. A student who, after two semesters of attendance, is deficient 20 grade points or more, shall be subject to dismissal.
5. A student dismissed under the above rules shall not be reinstated until a minimum of one semester (or two quarters) has elapsed after the dismissal.

E. EXCEPTIONS TO DISMISSAL

1. An exception to dismissal may be made in the event of extreme and unusual circumstances that can be documented by evidence provided by the student.
2. At each college of the District, a committee shall be established representing admissions, counseling, and instruction to rule on exceptions in the application of dismissal policies.

GRADUATION REQUIREMENTS FOR THE ASSOCIATE OF ARTS DEGREE

As authorized by the Education Code and Title 5 of the Administration Code of the State of California, the Ventura County Community College District Board of Trustees confers the Associate of Arts degree to students who meet the following requirements and who file a Notice of Intent to Graduate.

A. GENERAL REQUIREMENTS

1. Completion of sixty (60) semester units of college work in a curriculum described in the college catalog with a grade point average of not less than 2.00.
2. A 2.00 grade-point average in all work in residence which applies to the degree.
3. Completion of the last twelve (12) semester units in attendance at an institution of the Ventura County Community College District, or the completion of fifty-four (54) semester units in residence, if not in attendance at the time of qualifying for graduation.
4. Completion of a major consisting of at least twenty (20) semester units in a specified field of study.

5. Completion of not less than twenty-five (25) semester units in general education outside of the major field of study.

- B. GENERAL EDUCATION REQUIREMENTS** Semester Units
1. Social Science 6-9
(Including at least three units in American History & Institutions.)
 2. English/Speech 6
3 to 6 units as required in transfer major. Must include at least three (3) semester units in English composition.
 3. Natural Science/Mathematics 3-5
 4. Fine Arts 2
 5. Health Education 2
 6. Physical Education (4 semesters required) 2
- C.** In designated occupational curricula, the Associate of Arts degree may be conferred in the specific field of study, such as electronics, business, fire science, etc.
- D.** A student who meets the requirements for transfer to a four year college or university, and who has completed lower division subject requirements for entry into an upper division subject major, shall be deemed to have met the requirements of A-4 above.

TRANSFER INFORMATION

Students may complete their program of freshman and sophomore courses at Moorpark College prior to transferring to a senior institution. Admission practices to four-year institutions are continually in the process of change. Students should therefore exercise care in checking entrance requirements at the college to which they intend to transfer. Moorpark College students who maintain the scholarship indicated below may expect to make a satisfactory transfer to the institution of their choice.

TO STATE COLLEGES: Students eligible for the State college on the basis of their high school record may transfer to the State college at any time as long as their community college grade-point average is 2.0 or better.

Students who were ineligible for the State college on the basis of their high school record will be admitted to the State college upon completion of 60 units of community college work and a 2.0 grade-point average. Students may transfer a maximum of 70 community college units to State colleges.

TO THE UNIVERSITY OF CALIFORNIA: Students eligible for admission from high school will be admitted to the University at any time as long as their community college grade-point average is 2.00 or better. Students ineligible for admission because of high school subject deficiencies may establish eligibility by completing the required courses with a C or better, and completing a minimum of 12 college units with at least a 2.00 grade-point average. Students ineligible for admission from high school because of grade-point deficiency may establish eligibility by taking a minimum of 56 acceptable units with a grade-point average of 2.40 or better.

Students may transfer a maximum of 70 community college units to the University of California.

CERTIFICATES OF COMPLETION

Moorpark College awards Certificates of Completion to students who have successfully completed specified courses in certain occupationally-related subject areas. These Certificates are available to students in two classifications: Occupational and One-Year.

The Occupational Certificate for in-service students requires completion of a minimum of 21 units of course work, including 6 units of general education, by a student regularly employed in the field to which the subject-matter major is related.

The One-Year Certificate for pre-service students requires completion of a minimum of 30 units of course work, including 9 units of general education, by a student preparing for a related occupational field. For both of these certificates 6 units of required course work in the major must be taken at the college. The specific requirements for each certificate are shown in the respective curriculum patterns in the catalog.

YEAR COURSES - Courses requiring a year (two semesters) in which to complete the full offering are designated by number and letter. (Example, History 15A/B). The A section of the course is usually offered in the fall semester with the B section following in the spring. However, some year-sequence courses begin in the spring semester. For year-sequence classes, the "A" course is generally required as a prerequisite for the "B" course.

SEMESTER UNIT VALUES - The semester unit value of the course is shown by a number (or numbers in the case of year courses) following the title of the course. The semester unit is based on three hours of work-study; one lecture hour with two attendant hours of preparation or three hours of laboratory activity requiring special facilities or equipment. The standard credit allowance per semester for the course is stated in the description.

In order to meet specific needs in certain subject matter areas in the summer session and in the extended day program, the hours of instruction in some courses are changed and the credit changed proportionately. When an offering is changed from the hours and units as stated in the catalog, in the appropriate current class schedule the course will be identified by an "x" following the course number, i.e., HE 10x.

SCHEDULE OF COURSES - Courses listed are offered as a regular part of established curricula or when demand warrants. The current schedule should be consulted to determine the availability of specific courses.



ADMINISTRATION OF JUSTICE

LE 1 - INTRODUCTION TO LAW ENFORCEMENT 3 Units

Prerequisites: None.
3 hours lecture weekly.

The philosophy and history of law enforcement; overview of crime and police problems; organization and jurisdiction of local, state, and federal law enforcement agencies; survey of professional career opportunities and qualifications required.
Equivalent to PSA 101, CSCLA

LE 4 - CRIMINAL LAW 3 Units

Prerequisite: Recommend LE 1 concurrently.
3 hours lecture weekly.

The structure, definitions, and the most frequently used sections of the Penal Code and other criminal statutes.
Equivalent to PSA 126, CSCLA

LE 5 - INVESTIGATIVE REPORT WRITING 1 Unit

Prerequisite: Sheriff's Academy Recruit
3 hours lecture weekly (six weeks)

Covers fundamentals of basic report writing from spelling, sentence formation and punctuation to writing a paragraph, theme and technical report.

LE 7 - MINORITY GROUP POLITICS 3 Units

Prerequisites: None.
3 hours lecture weekly.

A study of the historical and contemporary political problems faced by religious, ethnic, sexual, low income, and racial minorities in America. The course is intended to study the environment America creates for the minority group member, the prejudice he faces, and the means he finds for overcoming the prejudice and becoming an equal participant in the political process. The political process is seen as an area in which majority-minority relations are studied and where negotiations and compromises are achieved in solving minority group problems. (Co-number: Pol Sci 7).

LE 8 - CRIMINAL EVIDENCE 3 Units

Prerequisite: LE 1, LE 4 or consent of instructor.
3 hours lecture weekly.

The kinds and degrees of evidence and the rules governing the admissibility of evidence in court.
Equivalent to PSA 221, CSCLA

LE 9A - FIREARMS 1 Unit

Prerequisite: LE 1 and LE 4 or consent of instructor
3 hours laboratory weekly.

The moral aspects, legal provisions, safety precautions and restrictions covering the use of firearms; firing of the side-arm and shotgun.
Equivalent to PSA 283, CSCLA

LE 10 - PATROL PROCEDURES 3 Units

Prerequisite: LE 1 and LE 4 or consent of instructor.
3 hours lecture weekly.

Responsibilities, techniques, and methods of police patrol.
Equivalent to PSA 238, CSCLA

LE 11 - CRIMINAL INVESTIGATION 3 Units

Prerequisite: LE 1, LE 4 and LE 15 or consent of instructor
3 hours lecture weekly.

Fundamentals of investigation; crime scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interviews and interrogations; follow-up and case preparation.
Equivalent to PSA 235, CSCLA

LE 12 - DEFENSIVE TACTICS ½ Unit

Prerequisites: LE 1 and LE 10 or consent of instructor
2 hours laboratory weekly.

Protection against persons armed with dangerous and deadly weapons; demonstration and drill in a limited number of holds and come-alongs; restraint of prisoners and the mentally ill; fundamental use of the baton. This Course fulfills PE requirement of Law Enforcement majors.
Equivalent to PSA 282, CSCLA

LE 13 - TRAFFIC CONTROL AND INVESTIGATION 3 Units

Prerequisites: LE 1, LE 4 and LE 15 or consent of instructor
3 hours lecture weekly.

Traffic law enforcement, regulation, and control; fundamentals of traffic accident investigation; California Vehicle Code.
Equivalent to PSA 236, CSCLA

LE 14 - JUVENILE PROCEDURE 3 Units

Prerequisites: LE 8, LE 10 and LE 15 or consent of instructor
3 hours lecture weekly.

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

LE 15 - ADMINISTRATION OF JUSTICE 3 Units

Prerequisites: None
3 hours lecture weekly.

Review of court systems; procedures from incident to final disposition; principles of constitutional, federal, state, and civil laws as they apply to and affect law enforcement.

LE 16 - ARREST, SEARCH, AND SEIZURE 3 Units

Prerequisites: LE 4, 8, and 15; or permission of instructor
3 hours lecture weekly.

Admissibility of evidence and confessions; recent judicial decisions interpreting civil rights; problems involving the reconciliation of individual rights and collective security and the prevention of criminality. Special emphasis on the Bill of Rights and major enforcement problems and constitution limitations in perspective.

LE 18 - NARCOTICS INVESTIGATION 3 Units

Prerequisite: Peace Officer or permission of coordinator.
3 hours lecture weekly.

The identification of marijuana, opiates, cocaine, dangerous drugs, hallucinogens and their paraphernalia. Principles of identifying and dealing with the "user". Laws and court decisions relating to the offender, fundamentals of arrest, search, report writing, and court testimony. The prevention and control of drug abuse as it relates to society.

LE 19 - VICE CONTROL 3 Units

Prerequisite: Peace officer or permission of coordinator
3 hours lecture weekly.

Detection, repression and control of vice, gambling, prostitution, liquor law and sex offender violations. Vice law and court procedures. The course is intended to provide knowledge and skill in the recognition, investigation and control of vice offenses.

LE 20 - POLICE ADMINISTRATION 3 Units

Prerequisites: Police Officer or permission of coordinator
3 hours lecture weekly.

Administrative, management and organization principles applicable to law enforcement agencies. Fundamentals of organization and management of patrol, traffic, detective, juvenile, vice, records and detention units. Personnel management, fiscal planning, manpower deployment, formulation of policies and regulations.

LE 21 - INTRODUCTION TO CRIMINALISTICS 3 Units

Prerequisites: Peace officer or permission of instructor
3 hours lecture weekly.

Collection, preservation, analysis and interpretation of physical evidence of various types including: fingerprints, footprints, tire tracks, tool marks, blood and glass; photographic techniques. Ultra-violet and infrared techniques. Firearms identification. Silicone rubber, plaster of paris and moulage casting of impressions.

LE 22A-B - DIRECTED STUDIES IN LAW ENFORCEMENT 1-3/1-3

Prerequisites: A course in the specific field and permission of the coordinator and Division Chairman
1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of law enforcement on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

LE 25 - RESCUE FIRST AID 2 Units

Prerequisites: Sheriff's Academy Recruit
6 hours lecture weekly - (six weeks)

The human body, emergency care of victims, child birth, artificial respiration, toxic gasses, chemicals and diseases, radioactive hazards, rescue problems and techniques. The prevention of shock, unconsciousness and poisons; treatment of fractures; administration of dressings and bandages; care and treatment of vehicular and other emergency related injuries. Successful completion of this course qualifies for the standard or advanced "American Red Cross First Aid to the Injured" Certificate.

LE 26 - BASIC TRAINING FOR THE EMERGENCY AMBULANCE TECHNICIAN 3 Units

Prerequisites: None
3 hours lecture weekly.

The course covers the techniques of emergency medical care presently considered to be within the responsibilities of ambulance attendants as well as all operational aspects of the job which he will be expected to perform.

LE 27 - CIVIL DUTIES AND PROCEDURES 3 Units

Prerequisite: Peace office or permission of coordinator
3 hours lecture weekly.

The duties, rights, and liabilities of marshals, civil deputies, peace officers and clerical personnel in civil law enforcement. Includes levies, service of civil process, third party claims, writs, sales and delivery actions.

LE 30 - ADVANCED OFFICER TRAINING 3 Units

Prerequisites: Employed peace officer and permission of Department Head
3 hours lecture weekly

A course of study designed to keep peace officers informed of new laws, recent court decisions, current enforcement procedures, new concepts in police technology, community-police relations, law enforcement ethics, and police integrity.

LE 49A-B - DIRECTED WORK EXPERIENCE IN LAW ENFORCEMENT 3 Units

Prerequisite: Consent of Coordinator
5 - 15 hours laboratory weekly

On-the-job training for students under the supervision of instructor and employer. An introduction to law enforcement policies, program practices, and procedures in the law enforcement field and related areas.

LE 50 - LAW ENFORCEMENT INSTITUTES 1-3 Units

Prerequisite: Criminal Justice Personnel or permission of Coordinator

A short term lecture series on specialized law enforcement technology designed for criminal justice personnel.

CORRECTIONAL ADMINISTRATION

Faculty: Jack Fleming, Coordinator

CA 1 - INTRODUCTION TO PROBATION, PAROLE & CORRECTIONS 3 Units

Prerequisites: None
3 hours lecture weekly.

An introduction to the legal and practical aspects, practices, and procedures of probation and parole including an analysis of both with emphasis on rehabilitation and classification methods in criminology.

CA 6 - INTERPERSONAL RELATIONS 3 Units

Prerequisites: CA 1 or taken concurrently
3 hours lecture weekly

Knowledge and skills leading to effectiveness in interpersonal relations and increased understanding of self and others, with emphasis on facilitating effective communication.

CA 7 - INTERVIEWING, COUNSELING AND TUTORING 3 Units

Prerequisites: CA 6 or taken concurrently
3 hours lecture weekly

Introduction to the principles and practices of interviewing, counseling and tutoring. An integral part of the two-year curriculum in correctional services, designed to answer the national need of the "new careers" on all academic levels in people-to-people services. These include counselor and group counselor aides, teacher aides, eligibility workers, social worker technicians, and other pre-professional positions.

CA 8 - TECHNIQUES OF GROUP COUNSELING 3 Units

Prerequisites: CA 6 or CA 7
3 hours lecture weekly

Techniques of counseling in groups with people of a variety of ages. Group exploration and sharing of feelings about problems presented. Recognition of unique and common problems, and participation in understanding and behavior change.

CA 22A-B - DIRECTED STUDIES IN CORRECTIONAL ADMINISTRATION 1-3 Units

Prerequisites: A course in the specific field and permission of the coordinator and Division Chairman

1-3 hours tutorial weekly
Designed for selected students who are interested in furthering their knowledge of correctional administration on an independent study basis. Assigned problems will involve library, laboratory and field work. Maximum of 6 units.

AGRICULTURE

AB 1 - INTRODUCTION TO AGRICULTURE BUSINESS 3 UNITS

Prerequisites: None
3 hours lecture weekly

Business principles as they apply to agriculture business enterprises in related agricultural areas that service and supply production agriculture, i.e., agricultural chemical sales and services, agricultural equipment sales and services, and others.

Equivalent to ABM 101, Cal Poly SLO

AB 2 - RECORD KEEPING 3 UNITS

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly

The study of basic record keeping procedures used in production agriculture. Required course for all *agriculture students*.

Agron 1 - INTRODUCTION TO AGRONOMY 3 UNITS

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly.

Plant structures and their functions; crop ecology and basic factors affecting crops and crop production. Identification of crops, seeds and weeds. Weed control in this locality. Seed production, including certified seed.

Equivalent to CP 131, Cal Poly SLO

Parallels Plant Science 1, UC Davis

Ag 10 - AGRICULTURE CONSTRUCTION AND MAINTENANCE 2 UNITS

Prerequisites: None
1 hour lecture, 3 hours laboratory weekly.

Construction techniques, materials, structural planning and maintenance of agricultural structures and equipment. Carpentry and masonry tools, hardware and materials as applied to construction and maintenance of various agricultural structures. Use of hand and power equipment.

Ag 21 - SOILS 3 UNITS

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly.

Physical, chemical, and biological properties of soils, the factors determining productivity; soil classification interpretation and evaluation of soil practices used in agriculture; laboratory work in soil sampling and testing, organic materials and microbiology, alkaline soils and reclamation; use of soil maps; soil and water experiments.

Equivalent to SS 121, Cal Poly SLO

Parallels Soil and Water Science 1, UC Davis

Ag 22A-B - DIRECTED STUDIES IN AGRICULTURE 1-3/1-3 UNITS

Prerequisites: A specific course in the field and consent of the instructor and Division Chairman

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of agriculture on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

Ag 49A-B - DIRECTED WORK EXPERIENCE IN AGRICULTURE 1-3 UNITS

Prerequisites: Consent of instructor and Division Chairman.
5-15 hours laboratory weekly.

On-the-job training for students under the supervision of instructor and employer. An introduction to agriculture policies, program practices, and procedures in specific fields. Maximum of 6 units.

AH 1 - INTRODUCTORY ANIMAL HUSBANDRY 3 UNITS

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly

Survey of livestock production in the community, state, nation and world. Study of anatomy and physiology, genetics, nutrition, livestock selection, management, and marketing of the breeds of beef, dairy, swine, sheep and poultry and their products.

Equivalent to AH 230, Cal Poly SLO

Parallels Animal Science 1, UC Davis

AH 2 - FEEDS AND FEEDING 3 UNITS

Prerequisite: AH 1
2 hours lecture, 3 hours laboratory weekly

Nutritional requirements of livestock. Balancing of feed rations. Costs of feed rations. (F)

Equivalent of AH 121, Cal Poly SLO

Parallels Animal Science 1, UC Davis

AH 3 - SELECTION - LIVESTOCK 3 UNITS

Prerequisite: Ah 1
2 hours lecture, 3 hours laboratory weekly.

Techniques and procedures used in livestock selection. (F,S)

AH 4 - LIVESTOCK MANAGEMENT 3 UNITS

Prerequisite: AH 1
2 hours lecture, 3 hours laboratory weekly.

The development of a total livestock management program applied to a basic economic unit in agriculture. Use of budgets, inventories, and cost accounting in livestock practices. (F)

AH 5 - HORSE HUSBANDRY I 3 UNITS

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly

Care of horse and equipment, use and nomenclature of animals and equipment, types of breeds and use, appreciation of riding animal and its relationship to the environment. Field trips to local equine centers. (F)

AH 6 - HORSE HUSBANDRY II**3 UNITS**

Prerequisites: AH 5

2 hours lecture, 3 hours laboratory weekly

Horse ranch management, breeding and care of the mare and foal, basic training techniques, outside speakers on disease and insect control, and above referenced topics. Field trips to local equine centers.

AH 7A/B - LECTURES IN HORSE HUSBANDRY**2-2 UNITS**

Prerequisites: None

2 hours lecture weekly

Lecture series based on the selection, health and care of riding horses. Lectures to be given by knowledgeable people in the particular areas of concern. Topics include quarter horse selection; arabian horse selection; saddle breeds and selection; thoroughbred selection; inoculations; safety; common diseases; feeds; and colt care.

Ent 1 - ECONOMIC ENTOMOLOGY**3 UNITS**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

Common insects that attack agricultural crops and stored products; basic taxonomy of the major orders; identification, life cycles, habits, hosts, economic importance, and control of the principal insects in agriculture; identification and evaluation of beneficial insects. Insect collection required. Equivalent to CP 311, Cal Poly SLO
Parallels Entomology 10, UC Davis

For 1 - INTRODUCTION TO FORESTRY**3 UNITS**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

An introduction to the occupations and professions in the general area of natural resources with emphasis on the general principles underlying the management of forests, parks, wild game and fisheries. Weekly field trips will take students to the local natural resources agencies.

Equivalent to NRM 102, Cal Poly SLO

Acceptable for credit at UC (all branches)

For 2 - NATURAL RESOURCES**3 UNITS**

Prerequisites: None

3 hours lecture weekly.

Economic and social values of our natural resources. History of man in relation to land use, human population in relation to resources; history of the conservation movement; present day conservation practices.

Equivalent to NRM 101, Cal Poly SLO

Acceptable for credit at UC (all branches)

For 3 - FOREST PROTECTION**3 UNITS**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly

Forest production, including principles of combustion, weather, fire control, topography, fuels, classes of fires and fire behavior. Fire prevention including fire suppression and fire equipment. Enemies of the forest, including disease, insects, fungi, animals, etc.
Acceptable for credit at Cal Poly SLO

For 4 - FISH AND GAME MANAGEMENT**3 UNITS**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

A study of fish culture including operation of facilities for production of sport and commercial fish; management, feeding, parasites and diseases. Management of species of small and large game mammals, their life histories, distribution, management and conservation.

Acceptable for credit at Cal Poly SLO

For 5 - PARK SITE DEVELOPMENT**3 UNITS**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

Construction of systems necessary to development of park sites--concrete block-wall, brick, watering systems and carpentry. Use of tools required. (Co-number Hort 5)

HORT 1 - INTRODUCTION TO HORTICULTURE**3 UNITS**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

The landscape industry in California; the wholesale grower, the jobs, the retail nursery, the garden center and other outlets for landscape plants and materials. A study of nursery location, organization and operation. Practice in production of ornamental plants.

Equivalent to OH 100, Cal Poly SLO

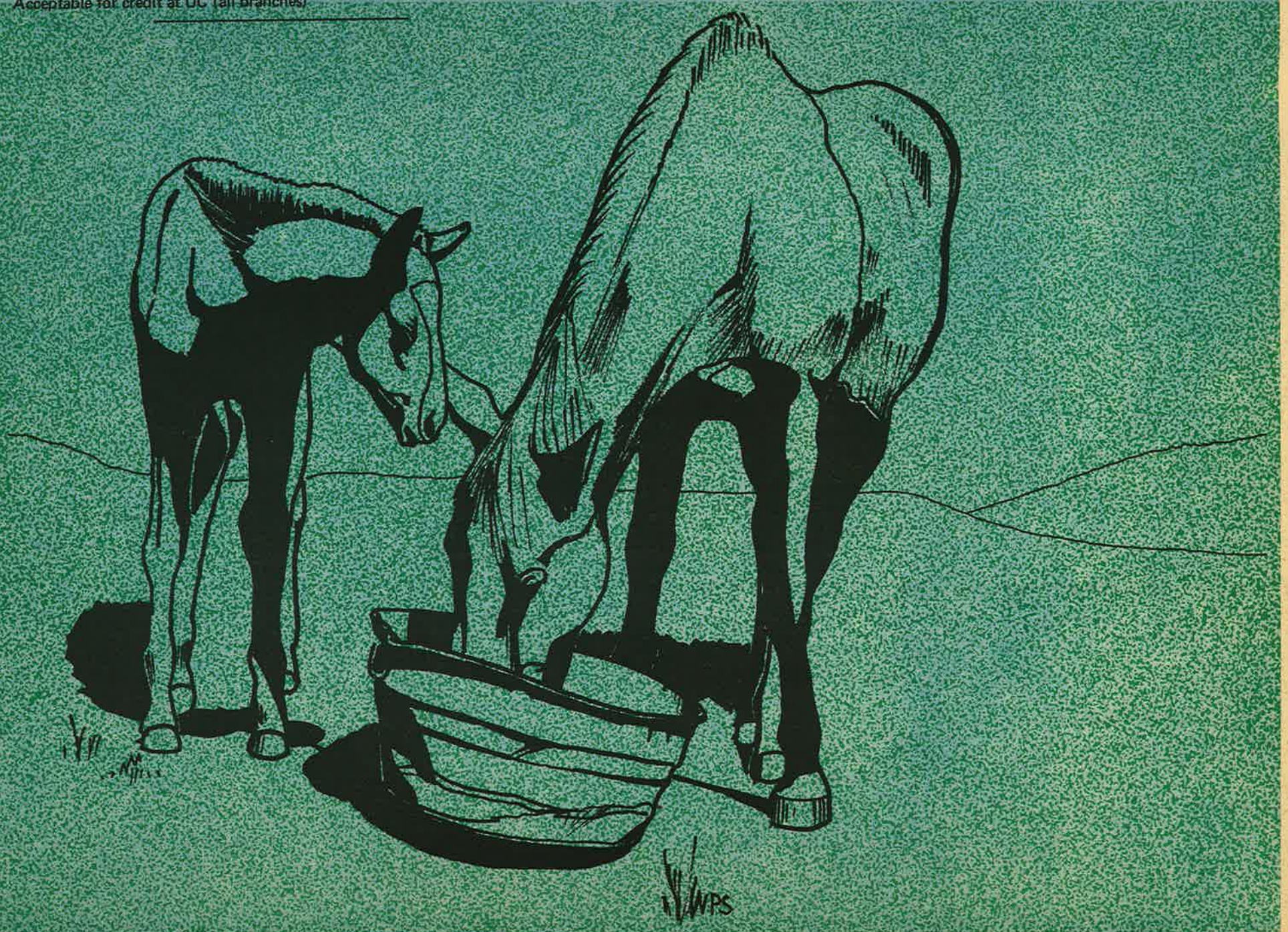
HORT 2 - PLANT STRUCTURE**3 UNITS**

Prerequisite: None

2 hours lecture, 3 hours laboratory weekly.

Introduction to plant structure with emphasis on roots, stems, leaves, flowers, fruits, seeds and inflorescences. Gross structure is emphasized rather than microscopic analysis and the objective is to prepare the student for courses in plant propagation and plant identification.

Acceptable for credit at Cal Poly SLO



HORT 3 - PLANT PROPAGATION 3 UNITS

Prerequisite: Hort 2 or consent of instructor
2 hours lecture, 3 hours laboratory weekly.

Production of ornamental trees, shrubs, vines and ground-covers by cuttings, budding, grafting, layerage, separation and division; lining out, balling, bare rooting, canning, growing of cutting material, growing liners; pruning and training espaliers, specimen plant production.
Equivalent to OH 233, Cal Poly SLO

HORT 4 - PLANT IDENTIFICATION 4 UNITS

Prerequisite: Hort 2 or Bio 2A or Bot 1
3 hours lecture, 3 hours laboratory weekly.

Identification, habits of growth, culture of native plants and landscape use of ornamental trees, shrubs, vines, annuals, herbaceous perennials including tropicals, subtropicals, and house plants.
Equivalent to OH 122, Cal Poly SLO

HORT 5 - LANDSCAPE CONSTRUCTION & MAINTENANCE 3 UNITS

Prerequisite: Hort 1
2 hours lecture, 3 hours laboratory weekly.

Pruning and maintenance of landscape shrubs and trees. Design and maintenance of landscape watering systems. Construction of concrete block, brick and wood walls and walks. (Co-Number For 5)
Equivalent to AE 121-122, Cal Poly SLO

HORT 6 - LANDSCAPE DESIGN 3 UNITS

Prerequisites: Hort 1, Hort 2, Hort 4
2 hours lecture, 3 hours laboratory weekly

Basic drafting techniques needed in landscape designing. Use of plant materials in the landscape design. Basic landscape design principles.
Acceptable for credit, Cal Poly SLO

HORT 7 - NURSERY PRACTICE 3 Units

Prerequisites: Hort 1, Hort 2
2 hours lecture, 3 hours laboratory weekly.

Forcing of flowering plants. Citrus and avocado propagation. Cost analysis of basic nursery practices. (S)
Equivalent to OH 121, Cal Poly SLO

HORT 23A - ORGANIC POLY CULTURE 3 UNITS

Prerequisites: None
1 hour lecture, 6 hours laboratory weekly

Involves the information necessary to plant and develop an organic garden. Study of soils, organic fertilizers, raised bed planting and other facets of organic gardening. (F)

HORT 23B - ORGANIC POLY CULTURE 3 UNITS

Prerequisites: Hort 23A and/or consent of instructor
1 hour lecture, 6 hours laboratory weekly

A continuation of Hort 23A and an introduction to warm season crops. The course deals with the use of structurally and genetically diverse plants and animals in setting up and maintaining a complex ecosystem for organic polyculture farming. (S)

LH 23 - LANDSCAPE GARDENING AND MANAGEMENT 3 UNITS

Prerequisite: None
3 hours lecture weekly

Planting and care of lawns, ground covers, flowers, trees and shrubs, including proper pruning and training; plant growth, weed, insect, and disease control; irrigation and fertilization principles; identification and uses of landscape plants; garden maintenance problems of landscape properties, with field laboratory in proper care and use of garden equipment. This is primarily an evening course.

Acceptable for credit at Cal Poly SLO
Parallels Env. Hort 10, UC Davis

LH 24 - LANDSCAPE DESIGN FOR HOMES 3 UNITS

Prerequisites: None
3 hours lecture weekly

Principles of landscape planning and design for residential properties, with emphasis on the location of lawns, trees, shrubs, walks, driveways, patios, planters, and other landscape structures for home and commercial landscaping; laboratory in practical drafting and landscaping design problems. This is primarily an evening course.
Equivalent to OH 223, Cal Poly SLO

LH 25A-B - TURFGRASS MANAGEMENT 3-3 UNITS

Prerequisites: None for 25A. 25A for 25B
3 hours lecture weekly

LH 25A - Study of turfgrass, including varieties, their selection and use in lawns, public parks, public institutions, playgrounds, athletic fields, golf courses, and bowling greens. Identification of turfgrass, establishment of turf areas, soil preparation, irrigation, fertilization and special management factors. This is primarily an evening course.

LH 25B - Study of the following topics: equipment used with turfgrass management; soil aeration and thatch control; drainage requirements and the use of wetting agents; sprinkler system design and operation; record keeping; personnel management; public relations. This is primarily an evening course.

Equivalent to OH 33, Cal Poly SLO

LH 26 - GARDEN INSECTS AND DISEASES AND THEIR CONTROL 3 UNITS

Prerequisites: None
3 hours lecture weekly

Study of the common garden insects and diseases. How to identify and how to control will be emphasized; also emphasis will be placed on biological controls where applicable. This course is designed for professional gardeners and home gardeners who desire a more thorough knowledge of the common garden insects and diseases found in Southern California. Primarily an evening course.

LH 27 - PLANT PROPAGATION 3 UNITS

Prerequisites: None
3 hours lecture weekly

Propagation of plant materials through seeds, cuttings, budding, grafting, division and air layering. An evening course primarily designed for homeowners.

ANTHROPOLOGY**Anth 1 - PHYSICAL ANTHROPOLOGY 3 UNITS**

Prerequisite: Satisfactory score on placement test.
3 hours lecture weekly.

Human biology and physical anthropology; facts and problems of human evolution; primatology; the origin and antiquity of man; fossil man; human variation; the biological background of culture; human biological-cultural adaptation. (F, S)

Equivalent to Anthro 203, SFVSC
Accepted for credit, UC (all branches)

Anth 2 - CULTURAL ANTHROPOLOGY 3 UNITS

Prerequisite: Satisfactory score on placement test.
3 hours lecture weekly.

An understanding of man and his society with reference to the development and change of cultures; basic concepts and methods for analyzing society and culture illustrated with materials drawn largely from non-western societies. (F,S)

Equivalent to Anthro 204, SFVSC
Accepted for credit, UC (all branches)

Anth 3 - ARCHEOLOGY 3 UNITS

Prerequisites: Satisfactory score on placement test
3 hours lecture weekly

Historical development, theory and techniques of archeology. The study of cultures of the past through the excavation and analysis of their cultural remains. Selected topics in the archeology of both the New and the Old World. (F)

Accepted for credit, UC (all branches)

Anth 4 - MEXICAN-AMERICAN CULTURE 3 UNITS

Prerequisites: Satisfactory score on placement test or consent of instructor
3 hours lecture weekly

The social and cultural heritage of the Mexican-American, emphasizing middle American Civilizations, and including the evolution of the Mexican-American from the Spanish conquest to present day America. The course is concerned with the contributions made by the Mexican-Americans to the United States, especially in the fine arts, literature, and orally transmitted heritage. (This course will count for elective credit in the Humanities area.) (F,S) (Co-numbered MAS 2)

Equivalent to Chicano Studies 100, SFVSC
Accepted for credit, UC (all branches)

Anth 5AB - ARCHEOLOGICAL FIELD METHODS 3-3 UNITS

Prerequisites: Anth 3 or concurrent enrollment in Anth 3
1 hour lecture and 6 hours laboratory weekly

A course in practical archeology for the student who desires to expand his existing knowledge of archeology field work. The emphasis in this course will be on actual site excavation and laboratory analysis.

Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

Anth 6 - FIELD STUDIES IN PHYSICAL ANTHROPOLOGY 3 UNITS

Prerequisites: Anth 1 and consent of instructor
2 hours lecture and 3 hours laboratory weekly

Training in field problems in physical anthropology. Studies will be made on skeletal populations excavated from the local area or on living populations. A course in practical physical anthropology.

Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

Anth 7 - PEOPLES AND CULTURES OF THE WORLD 3 UNITS

Prerequisites: Satisfactory score on placement test
3 hours lecture weekly

An in-depth study of selected peoples and cultures from major culture areas of all continents. Emphasis will be on traditional cultures and changes induced by contact with the greater world.

Anth 22AB - DIRECTED STUDIES IN ANTHROPOLOGY 1-3/1-3 UNITS

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman
1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of Anthropology on an independent study basis. Assigned problems will involve library, laboratory and field work. Maximum of 3 units. Accepted for credit, SFVSC; max. 3 units

ART

Art 1A - ART HISTORY 3 Units

Prerequisite: Satisfactory score on placement test.
3 hours lecture weekly.

Survey of the history of art of the western world from prehistoric times to the middle ages, including ancient, medieval, classic, early Christian and Byzantine. Emphasis on techniques in architecture, painting and sculpture as well as an examination of the key figures in art history.

Equivalent to Art 111A, SFVSC
Accepted for credit UC (all branches)

Art 1B - ART HISTORY 3 Units

Prerequisite: Satisfactory score on placement test.
3 hours lecture weekly.

Survey of the history of art of the western world from the middle ages to modern times; continued emphasis on techniques of producing art as well as an examination of the key figures in art history.

Equivalent to Art 111B, SFVSC
Accepted for credit, UC (all branches)

Art 2 - ART APPRECIATION 3 Units

Prerequisite: Satisfactory placement score
3 hours lecture weekly

A one-semester survey to acquaint the student with the major periods and styles of art of the western world and to develop understanding of the visual arts.

Recommended for general education requirement. (F,S)
Equivalent to Art 105, SFVSC
Accepted for credit, UC (all branches)

Art 3 - MODERN ART FORMS 3 Units

Prerequisite: Art 2
3 hours lecture weekly

Modern art forms builds upon the foundation of art appreciation to investigate many of the movements, events and personalities of twentieth-century painting, sculpture and architecture. Special emphasis is placed on current developments and exhibitions.

Accepted for credit, UC (all branches)
Accepted for credit, SFVSC

Art 4A-B-C - COLOR AND DESIGN 2-2-2 Units

Prerequisites: Art 4A for Art 4B; Art 4B for Art 4C
or permission of instructor

1 hour lecture, 3 hours studio weekly

Art 4A: A basic course providing background in the use of design principles; specific problems in line, shape, texture and form. Emphasis on color theory and its practical applications. (F)

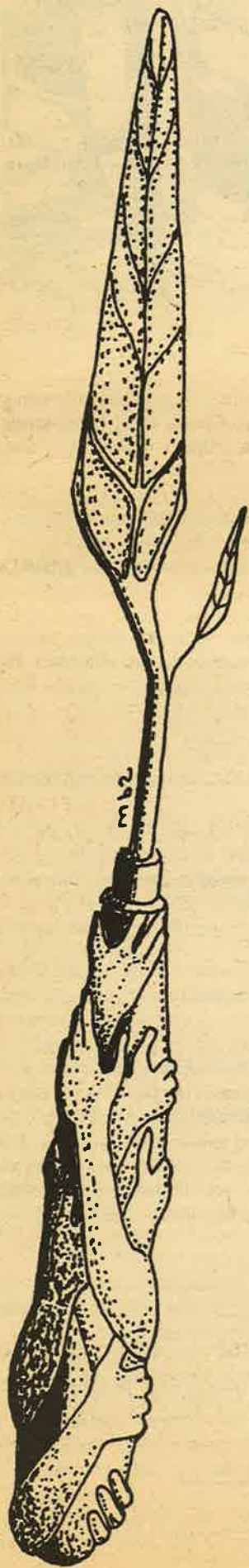
Equivalent to Art 140A, SFVSC
Accepted for credit, UC (all branches)

Art 4B: The study of color and design as it is used in the art of painting. Methods of employing these ingredients are also considered in many of the fields, including commercial usage. (S)

Equivalent to Art 140B, SFVSC
Accepted for credit, UC (all branches)

Art 4C: The use of various materials such as wood, metal, cardboard, plaster, weights to form aesthetic designs in actual space rather than simulated pictorial space. (F)

Equivalent to Art 240, SFVSC
Accepted for credit, UC (all branches)



Art 7 - APPLIED COLOR AND DESIGN

2 Units

Prerequisites: Consent of Instructor

6 hours laboratory weekly

Study of art forms with stress on an architectural form, interior design, crafts, etc.; creative art experience in various media. Not designed for art majors. (SUMMER ONLY)

Accepted for credit, UC (all branches)

Art 8A-B - BEGINNING CERAMICS

2-2 UNITS

Prerequisites: None for 8A; 8A for 8B

6 hours laboratory weekly

Practice in the technique of elementary clay construction including coil, slab method, and introduction to throwing on the potter's wheel; experimentation in sculptural forms and the development of glazes. \$15 fee for tools and clay.

8A-Equivalent to Art 267, SFVSC

Accepted for credit, UC (all branches)

8B-Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Art 9A-B - CERAMIC DESIGN

2-2 UNITS

Prerequisites: Art 8A, Art 8B and Art 4A

6 hours laboratory weekly

An advanced study in ceramics with emphasis on exploration of clay bodies, glaze materials, glaze calculations, firing, and independent projects. This course is designed to develop growth and individual creative expression.

Art 12A-B - DRAWING AND COMPOSITION

2 Units

Prerequisites: None for Art 12A; Art 12A for Art 12B

6 hours studio weekly.

Art 12A: The first semester emphasizes the drawing of basic forms such as still life and fundamental shapes.

Equivalent to ART 124A, SFVSC

Accepted for credit, UC (all branches)

Art 12B: Original problems and experimental design including the human figure. Particular emphasis upon the fundamental means of pictorial composition.

Equivalent to Art 124B, SFVSC

Accepted for credit, UC (all branches)



Art 13A-B - LIFE DRAWING

2-2 Units

Prerequisite: Art 12A for Art 13A; Art 13A for Art 13B or permission of instructor.

6 hours studio weekly

Art 13A: Drawing the human figure, beginning with skeletal structure, using many media including charcoal, pencil, pen and ink, conte crayon, and pastels. Emphasis on structure, proportion, form and composition; practice in the use of linear and tonal concepts. (F)

Equivalent to Art 230, SFVSC

Accepted for credit, UC (all branches)

Art 13B: Drawing the human figure from the live model; freedom of expression. (S)

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Art 15A-B - BEGINNING PRINTMAKING

2-2 UNITS

Prerequisites: Art 4A

6 hours studio weekly

Exploration of the printmaking media available to the artist. Work will include relief (wood block and linocut) as well as intaglio (etching, engraving, agatint, etc.)

Art 16A-B - PAINTING

2-2 Units

Prerequisites: Art 4B and Art 12B or consent of instructor;

Art 16A for Art 16B

6 hours studio weekly

Art 16A: An intermediate course pertaining to the nature of structural and expressive values in contemporary painting; practice in the building for form, control of pictorial order, and the uses of color and light. (F)

Equivalent to Art 227A, SFVSC

Accepted for credit, UC (all branches)

Art 16B: Emphasis on technical competence and individual concepts; experimentation with traditional and newer painting materials. (S)

Equivalent to Art 227B, SFVSC

Accepted for credit, UC (all branches)

Art 17 - LANDSCAPE PAINTING

2 Units

Prerequisites: Art 4A-B or Art 12A-B; or permission of instructor

6 hours studio weekly.

Painting from nature out of doors in various media, such as acrylics, oils, water color, and pastels.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Art 18 - WATER COLOR **2 UNITS**
Prerequisites: Art 4A, Art 12A
3 hours lecture weekly

An exploration of the water color medium, emphasizing the development of a personal fluid painting style in both abstract and realistic subject matter.

Art 19A-B - SCULPTURE **2-2 Units**
Prerequisites: None for 19A; 19A for 19B
6 hours studio weekly.

19A - A studio course in the fundamentals of sculpture, exploring historical and aesthetic aspects of sculpture in conjunction with practical project experience. Media: cardboard, clay, plaster, wood, wire, metal and plastics. Equivalent to Art 235, SFVSC

Accepted for credit, UC (all branches)

19B - Advanced problems in sculptural forms with emphasis on individual projects, evaluation, growth, and direction. Media: same as 19A and other media with consent of the instructor.

Accepted for credit, UC (all branches)

Art 22A-B - DIRECTED STUDIES IN ART **1-3/1-3 UNITS**

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman.

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of art on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units. (F,S)

Max 3 units credit, SFVSC

Maximum credit, one course, UC (all branches)

BEHAVIORAL SCIENCES

BSc 1 - INTRODUCTION TO THE BEHAVIORAL SCIENCES **6 UNITS**

Prerequisites: Satisfactory score on placement test

6 hours lecture weekly

An interdisciplinary approach to the study of the subject matter of psychology and sociology. A course designed to introduce the non-major student in psychology and sociology to these behavioral sciences in such a way as to compare and contrast the two disciplines. A course created to explore the motives, emotions, perceptions, attitudes, personality and intellectual development of the human being. (3 units Psych 2 and 3 units of Soc 1)

BSc 2 - INTERPERSONAL BEHAVIOR **6 UNITS**

Prerequisites: Behavioral Science 1; or Soc 1 or Psych 1A or 2

6 hours lecture weekly

A study of the overlapping portions of psychology and sociology which is concerned with describing, explaining and understanding human relationships, social adaptability, and the modification of the individual through interaction with others. Topics of study include small group formation, group dynamics, attitude formation and change, leadership, power, social perception, social determinants of personality, group processes in education and mental health and specific social problems. (3 units Psych 3 and 3 units Psych 5 or Soc 5).

BIOLOGICAL SCIENCES

An 1 - GENERAL HUMAN ANATOMY **4 Units**

Prerequisite: Bio 1 or Bio 2A or equivalent

2 hours lecture, 6 hours laboratory weekly

The functional anatomy of human organs and organ systems with some histological studies, using non-human mammals for dissection, but with emphasis on the human structure and demonstrations on cadaver.

Equivalent to Biology 211, 212, SFVSC

Accepted for credit, UC (all branches)

Micro 1 - PRINCIPLES OF MICROBIOLOGY **5 UNITS**

Prerequisites: Chem 12, and Bio 2A (concurrent enrollment is acceptable).

3 hours lecture, 6 hours laboratory weekly.

Bacteria, algae, fungi, Rickettsiae, viruses and protozoa; emphasis on bacterial morphology, anatomy, staining, classification, metabolism and growth, and effects of physical and chemical agents on bacteria; applied microbiology with some emphasis on pathogenic forms and immunity.

Equivalent to Biology 215, SFVSC

Accepted for credit, UC (all branches)

Biol 1 - PRINCIPLES OF BIOLOGY **4 Units**

Prerequisites: Satisfactory score on placement test

3 hours lecture, 3 hours laboratory weekly

Introductory biology for students not majoring in the natural sciences. Emphasis on basic concepts, especially genetics, evolution and ecology. Particular attention will be given to the implications of biological ideas in human affairs. (F).

Equivalent to Biol 100, SFVSC

Accepted for credit, UC (all branches)

Biol 2A-B - GENERAL BIOLOGY **4-4 Units**

Prerequisites: Satisfactory score on placement test. 2A for 2B.

Chem 1A is recommended and can be taken concurrently.

3 hours lecture and 3 hours laboratory weekly.

This is a full year course for those wishing two semesters of biology, and for the science and preprofessional majors.

Biol 2A - This general course emphasizes the cell and the organism, with particular attention to the structure and metabolism of the vertebrates and man.

Equivalent to Biology 150, 150L, SFVSC

Accepted for credit, UC (all branches)

Biol 2B - This course emphasizes the population and the community with special reference to ecosystems, biotic communities, heredity and evolution. (F,S)

Equivalent to Biology 151, 151L, SFVSC

Accepted for credit, UC (all branches)

Biol 3A-B - MARINE BIOLOGY **4-4 Units**

Prerequisites: Biol 1 or 2A for 3A, 3A for 3B

3 hours lecture, 3 hours laboratory weekly

Bio 3A: Lecture and laboratory course with emphasis upon physical oceanography and the invertebrate life forms in the marine environment.

Bio 3B: An ecological study of marine organisms with emphasis on the higher forms of marine life. A study of the vocational and avocational utilization of the oceans with emphasis on man's effect upon the marine environment.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Biol 4A - WILD ANIMAL BEHAVIOR **3 UNITS**

Prerequisites: One semester of Biology and one semester of Psychology. Consent of instructor.

2 hours lecture, 3 hours laboratory weekly

An introduction to wild animal behavior for those interested in working professionally in the field of wild animal training and research. Lectures will be held at Africa USA in Fillmore.

Biol 4B - WILD ANIMAL TRAINING **4 UNITS**

Prerequisites: Biol 4A and consent of the instructor

1 hour lecture, 9 hours laboratory weekly

Students will proceed with the application of techniques observed in Biol 4A. Each student will work with professional trainers in preparing animals for possible exhibition. Proper care of animals in all respects will be emphasized.

Biol 5A-B - ANIMAL TRAINING **4-4 UNITS**

Prerequisites: Biology 4A and consent of instructor

1 hour lecture, 9 hours laboratory weekly

Students will proceed with the application of techniques observed in Biol 4A. Each student will train an animal or animals for possible exhibition. Proper care of animal in all respects will be emphasized.

Biol 10 - SEASHORE LIFE **2 Units**

Prerequisites: None

1 hour lecture, 3 hours laboratory weekly

An overview of the marine environment of Southern California with the study of the distribution and zonation of common seashore plants and animals.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Biol 14 - NATURAL HISTORY OF THE CONEJO **3 UNITS**

Prerequisites: None

3 hours lecture - walking weekly

A study of the natural features, animals and plants of the Conejo Valley. The local ecological communities are visited and described. Some attention is given to cultivated areas. The course may be given in other areas from time to time with a change in the title to indicate the location of the study.

Biol 22A-B - DIRECTED STUDIES IN BIOLOGY **1-3/1-3 Units**

Prerequisite: A course in the specific field with a recommending

grade and consent of instructor and Division Chairman.

1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of biology on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

Accepted for credit, SFVSC - 3 units maximum

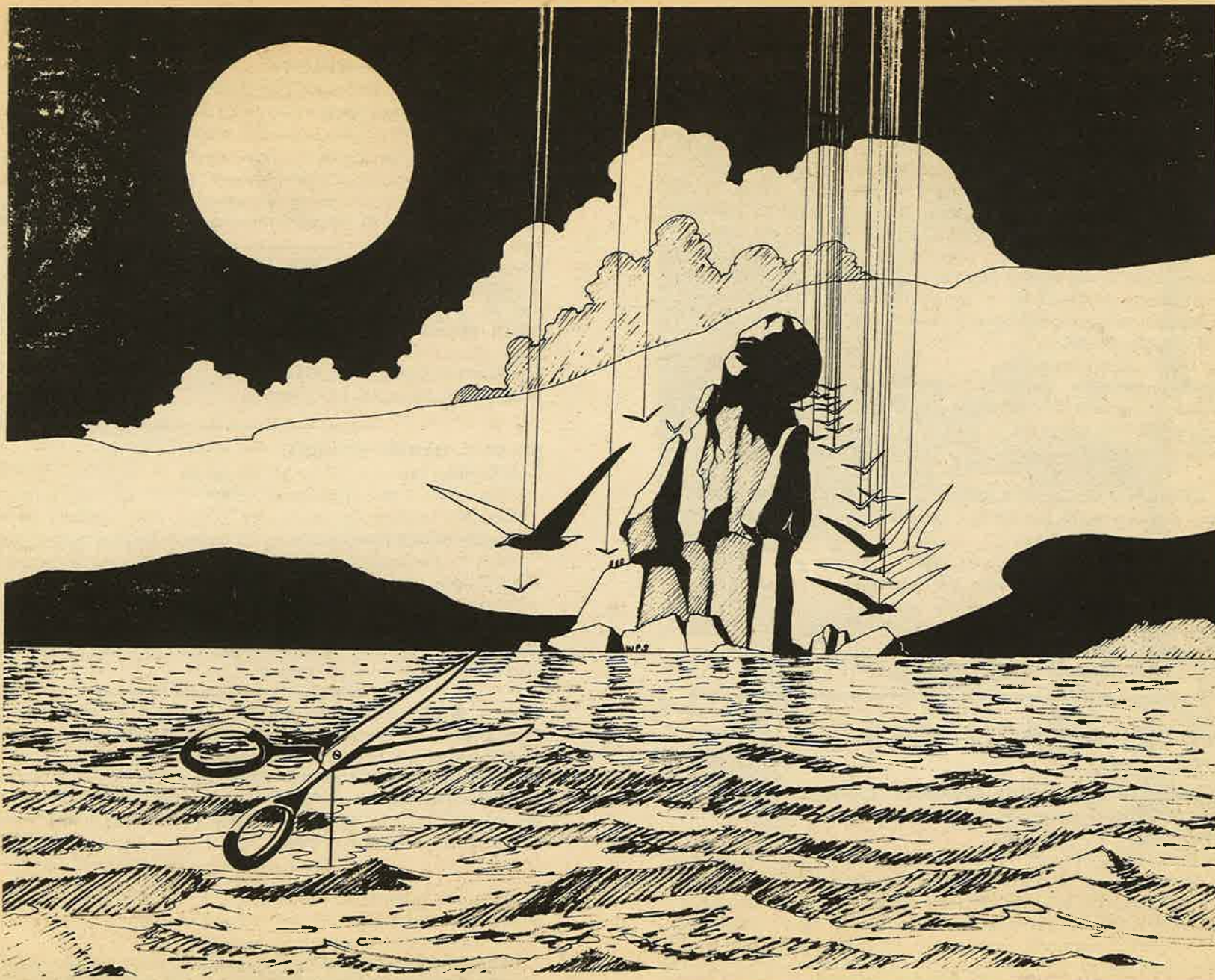
Accepted for credit, UC (all branches) - one course

Biol 49A-B - DIRECTED WORK EXPERIENCE IN BIOLOGY **1 - 3 UNITS**

Prerequisites: Consent of instructor and Division Chairman

5 - 15 hours laboratory weekly

On-the-job training for students under the supervision of instructor and employer. An introduction to methods, equipment and working conditions existing in specific fields of biology technology.



Bot 1 - GENERAL BOTANY

5 Units

Prerequisite: Satisfactory score on placement test.
3 hours lecture, 6 hours laboratory weekly.

Introductory study of morphology, anatomy and physiology of seed plants; emphasis on such biological principles as physical and chemical aspects of life, cellular organization, reproduction, and heredity. (F)

Accepted for Gen. Ed. Science, SFVSC
Accepted for credit, UC (all branches)

Bot 3A-B - PLANT IDENTIFICATION

2-2 UNITS

Prerequisites: One semester of Biology
1 hour lecture, 3 hours laboratory weekly

A field course in the identification of plants. The fall semester deals with trees and fall flowers. The spring semester deals with ferns and spring flowers. A basic part of the course concerns the principles of taxonomy. Local natural biotic communities are studied together with the horticultural species, both native and exotic.

Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

Phys 1 - INTRODUCTION TO HUMAN PHYSIOLOGY

4 Units

Prerequisites: Chem 12 or equivalent and Biol 2A
3 hours lecture, 3 hours laboratory weekly

Functioning of the human organism; consideration of organ systems and basic structure as necessary to understand the physiological principle involved; laboratory experiments and/or demonstrations to illustrate basic physiological principles, techniques and instruments.

Equivalent to Biology 281, 282, SFVSC
Accepted for credit, UC (all branches)

ZOO 3 - BIOLOGY OF THE VERTEBRATES

3 Units

Prerequisites: Biol 2A or consent of the instructor
2 hours lecture, 3 hours laboratory weekly

Studies of local vertebrates (excluding fishes) emphasizing basic ecological relations and natural history. Lab to include field trips, identification and experimentation in behavior and ecology.

Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

BROADCASTING

Broad 1 - MASS COMMUNICATIONS

3 UNITS

Prerequisites: None
3 hours lecture, 1 hour laboratory weekly

This course will acquaint the student with the origins, development and contemporary role of newspapers, magazines, cinema, radio, TV, and related fields such as advertising and public relations. Will survey the history and the application of mass communications. The course will also involve related critical and practical applications of this information. (Co-number Journ 1)

Broad 2 - BROADCAST STUDIO OPERATION

3 Units

Prerequisites: Broad 1 or concurrent with Broad 1
2 hours lecture, 3 hours laboratory

A technical theory course in basic television circuits, cameras, control board, video-tape recorders, lighting, microphones, and overall television station operation. Some practical experience in the various aspects of production, explanation of program patterns, studio procedures, use of equipment, production of programs and radio-television acting.

Accepted for credit, SFVSC

Broad 3 - TELEVISION PRODUCTION WORKSHOP

2 Units

Prerequisites: Broad 1 and 2
6 hours laboratory weekly

This course involves intermediate work in production, camera work, technical direction, lighting, etc. The creation of new program concepts and types is stressed. Each student is responsible for producing his own half-hour experimental TV program. (F)

Equivalent to RTV 140, SFVSC

Broad 4 - TELEVISION DIRECTING

2 Units

Prerequisites: Broad 1, 2, and 3
6 hours laboratory weekly

This course in telecasting involves advanced work in directing involving direction of special programs for video-taping. Creativity will be emphasized along with coordination of all aspects of production.

Accepted for credit, SFVSC

Broad 5 - RADIO-TELEVISION WRITING 2 Units

Prerequisites: English 1A or Humanities 1A or consent of instructor.
2 hours lecture weekly.

This course deals with the preparation and analysis of dramatic scripts, program formats, public service announcements, local news, commercials, continuity, discussion programs, special events, talks and interviews. Training is given in the fundamentals of script format, professional methods, and the ethics and restrictions involved in broadcasting media. (Co-number English 11). (S)

Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

Broad 6A-B - FCC LICENSE REVIEW 3.3 Units

Prerequisites: None
3 hours lecture weekly.

This course will review basic electronics especially pertaining to broadcasting to prepare the student for the series of Federal Communications Commission examinations eventually leading to the FCC First Class Radiotelephone Operator's License. (Co-number: ET 6A-B) (6A-F, 6B-S)
Accepted for credit, SFVSC

Broad 7 - RADIO PRODUCTION WORKSHOP 3 UNITS

Prerequisites: Broad 1 or concurrent enrollment
2 hours lecture, 3 hours laboratory weekly

Class offers integrated work in various radio broadcasting functions. Included are announcing, acting, disc jockeying, basic writing, program direction, program production, advertising, radio interviewing, and station operations.

Equivalent to RTV 130, SFVSC

Broad 8 - VOICE AND DICTION 3 UNITS

Prerequisites: None
3 hours lecture weekly

Individual speech improvement, instruction and practice in correct breathing, voice control and diction. The study of correct pronunciation, enunciation and voice production, including the study of dialects, foreign and regional. This course is designed for students in drama, forensics, broadcasting or education (CO-number Speech 3, ThA 3)

Equivalent to Drama 106, SFVSC

Broad 22A-B - DIRECTED STUDIES IN BROADCASTING 1-3/1-3 Units

Prerequisite: A course in the specific field and the consent of the instructor and Division Chairman
1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of broadcasting on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

BUSINESS

Bus 1A-B - ACCOUNTING PRINCIPLES 3-3 Units

Prerequisites: Satisfactory math score or completion of Bus 3 or equivalent. Grade of C or better in 1A for 1B.
3 hours lecture weekly

Basic principles of accounting as a foundation for advanced study, and as a vocational skill; the accounting cycle, voucher system; problems involved in accounting for notes, expenses, assets, payroll, and for sole proprietorship; partnership; corporation; or manufacturing enterprise; financial statement analysis. Primarily for business administration majors. (F,S)

Equivalent to Bus 220A-B, SFVSC
Accepted for credit, UC (all branches)

Bus 2 - ACCOUNTING - DATA PROCESSING LAB 1 UNIT

Prerequisite: Concurrent or prior enrollment in Bus 1A-1B
3 hours laboratory weekly

A lab course where students will have the opportunity to complete a realistic practice set using conventional means, and data processing techniques. The student will be exposed to solutions of accounting problems by use of current data processing techniques. One (1) semester required of all students enrolled in either Bus 1A or 1B

Bus 3 - APPLIED ACCOUNTING 3 Units

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly.

Fundamentals of double-entry bookkeeping theory and application; the bookkeeping cycle and its application to sole proprietorship in trading concerns and service enterprises, financial statements; accounting for notes and securities; banking and petty cash transactions. (F,S)

Not open to students who have passed Bus 1A

Bus 7 - CALCULATING MACHINES 3 UNITS

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly.

Development of skill in the operation of the familiar makes of rotary calculators with problems to emphasize the arithmetic of percentage and interest; operation of the 10-key adding machine by the "touch" method. Practice on the rotary calculators and electronic calculators in the solution of more advanced problems; operation of the key-driven calculator by the "touch" system. (F,S,S)

Equivalent to Bus 212, SFVSC

Bus 8 - PERSONAL TYPING 1½ Units

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly (8 weeks)

A personal typewriting course that consists of learning the mechanics of the typewriter and how to operate it. The students will attend daily class for 8 weeks and will learn basic typewriting skills. (F,S)

Bus 9A-B - BUSINESS LECTURES ½-½ Units

Prerequisites: None.
1 hour lecture weekly.

Two semesters required of all students in business, economics and data processing. A series of informative lectures by leaders in business, government and industry. (F,S)

Bus 11A - BEGINNING TYPEWRITING 3 Units

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly

Mastery of the keyboard, rhythmic writing; syllable, word and sentence practice; practice in simple business letters and tabulations; attainment of minimum speed of 35 words per minute. Manual machines. (F,S)

Equivalent to Bus 101, SFVSC

Bus 11B - INTERMEDIATE TYPEWRITING 3 Units

Prerequisite: Typing speed of 35 wpm, or C or better from a previous typing class.

2 hours lecture, 3 hours laboratory weekly.

Skill building in typing office problem materials to meet business production standards. Individual speed improvement requirements set. (F,S)

Bus 12A - ADVANCED TYPEWRITING 3 Units

Prerequisite: Grade of C or better in Bus 11B, or speed of 50 wpm.
2 hours lecture, 3 hours laboratory weekly.

Advanced typewriting using electric typewriters with emphasis on business forms, multiple-page manuscripts, and intensive speed and accuracy development. (F,S)

Equivalent to Bus 201, SFVSC

Bus 12B - PRODUCTION TYPEWRITING 3 Units

Prerequisite: Grade of C or better in Bus 12A, or speed of 60 wpm.
2 hours lecture, 3 hours laboratory weekly.

Emphasis of skill building on office-quality production materials. Individual speed improvement requirements set. Electric machines. (F,S)

Bus 14 - PROFESSIONAL SECRETARY

Units upon completion of one year program

1 year certificate program

Prerequisites: Typing of 50 wpm, Shorthand speed of 80 wpm
20 hours weekly

A two semester course for entering freshmen with previous secretarial training. Includes instruction in shorthand, typewriting, accounting, filing, secretarial practice, office machines, work experience, apparel selection and grooming and physical education. Specialization in legal, medical, technical, and educational secretary fields will be offered in the second semester.

Bus 15 - SECRETARIAL PROCEDURES 5 Units

Prerequisites: Minimum typing speed of 50 wpm. Shorthand is recommended students enrolling in this course.

3 hours lecture, 6 hours laboratory weekly.

Instruction and practice in performing various office duties including methods of handling of mail, arranging itineraries, procuring office supplies, using the telephone, and improving human relations. Theory and practice in the selection and operation of dictation and transcribing machines, duplicating machines, copying machines, and proportional spacing typewriters. Field trips. (S)

Bus 16 - OFFICE MACHINES 3 Units

Prerequisite: Bus 11A or equivalent
2 hours lecture, 3 hours laboratory weekly

Course provides students with instruction in the operation of the following equipment: spirit duplicators, mimeographs, dry copiers, collator, proportional spacing typewriter, mimeoscope, and thermofax. (F)
Accepted for credit, SFVSC

- Bus 19 – RECORDS MANAGEMENT** 2 Units
Prerequisites: None
1 hour lecture and 3 hours laboratory weekly
In this course the student will develop a sound foundation in the methods and systems of storing and retrieving information; plus gain insight into related management functions. (F)
-
- Bus 20A - BEGINNING SHORTHAND** 4 Units
Prerequisite: Bus 11A or typing speed of 40 wpm.
4 hours lecture, 1 hour laboratory weekly.
Basic principles of reading and writing shorthand. Thorough study of Gregg theory, Diamond Jubilee Series. Students should attain a minimum speed of 60 wpm. Extensive dictation of practice material. (F,S)
Equivalent to Bus 1-02, SFVSC
-
- Bus 20B - INTERMEDIATE SHORTHAND** 4 Units
Prerequisites: Grade of C or better in Bus 20A, or one year of high school shorthand, and typing speed of 50 wpm.
4 hours lecture, 1 hour laboratory weekly.
Course comprises intensive review of shorthand principles, building dictation speed with unpracticed material. Students should attain a minimum speed of 80 wpm. (F,S)
-
- Bus 21 - SPEED BUILDING AND TRANSCRIPTION** 5 Units
Prerequisites: Two semesters of college shorthand (with grades of C or better) or 2 years of high school shorthand and one semester of college shorthand
5 hours lecture, 1 hour laboratory weekly
Increased speed on sustained dictation developed through the use of expert shortcuts and methods. Further development of accuracy in taking dictation to meet office standards. Specialization in vocabularies for medical and legal offices. Students should attain a minimum speed of 120 wpm. (F,S)
-
- Bus 22A-B - DIRECTED STUDIES IN BUSINESS** 1-3/1-3 Units
Prerequisites: A course in the specific field and the consent of the instructor and division chairman.
1-3 hours tutorial weekly.
Designed for selected students who are interested in furthering their knowledge of business on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.
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- Bus 23 - REFRESHER SHORTHAND** 1 Unit
Prerequisites: Previous training in shorthand
2 hours lecture, 1 hour laboratory weekly (for 8 weeks)
This course is designed as a quick, yet thorough, review of Gregg Shorthand for those who have previously studied the system. Students *must* have had a complete course in Gregg. Course reviews all basic theory and transcription principles. Student may register for 2 eight-week sessions if beneficial. (F,S)
-
- Bus 30 – INTRODUCTION TO BUSINESS PRINCIPLES** 3 Units
Prerequisites: None.
3 hours lecture weekly.
Purpose, organization and terminology of business, including such topics as management, insurance, budgeting and accounting, business law, organization, marketing and data processing. (F,S)
-
- Bus 31 – BUSINESS ORGANIZATION AND MANAGEMENT** 3 Units
Prerequisite: None
3 hours lecture weekly
Basic functions of a business organization and manager's responsibilities in planning organizing, directing, controlling, coordinating and executing the organizational objectives. (F,S)
-
- Bus 32 - SMALL BUSINESS MANAGEMENT** 1½-3 Units
Prerequisites: None.
3 hours lecture weekly (8-16 weeks)
The role of the small businessman in the American economy, training in performing the various functions of business including setting up, staffing and organizing, advertising, selling, budgeting, and personnel for retail stores, service firms and industrial organizations. (F,S)
-
- Bus 33A - BUSINESS LAW I** 3 Units
Prerequisite: Satisfactory score on placement test
3 hours lecture weekly
Fundamental principles of law as they relate to business transactions. Origins of legal system, law of contracts, enforceable agreements, real and personal property law, bailments, securities, transactions, court system; case approach emphasized. (F,S)
Equivalent to Bus 280, SFVSC
-
- Bus 33B - BUSINESS LAW II** 3 Units
Prerequisite: Satisfactory score on placement test
3 hours lecture weekly
Principles of law as applied to employer-employee relationships, agency-legal relationships; rights and liabilities of parties, business organizations, and negotiable instruments; case approach emphasized. (S)
Accepted for credit, SFVSC
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- Bus 34 - INCOME TAX LAW** 2 Units
Prerequisites: None
2 hours lecture weekly
This course is designed to help students to understand principles of tax laws, court decisions, and administrative rulings as they apply to individual income taxes and preparation of returns. California income tax law is also discussed. (F)
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- Bus 35 – SALESMANSHIP** 3 Units
Prerequisites: None
3 hours lecture weekly.
Elements of effective salesmanship; sales personality, development of the sales plan, securing prospects, counseling buyers, the demonstration, handling objections, self-management, and public relations.
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- Bus 36 - RETAIL MERCHANDISING** 3 Units
Prerequisites: None
3 hours lecture weekly
Merchandise control and budgeting, location, equipment, advertising, discount stores, shifts in consumption patterns, credits and collections, and store services.
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- Bus 37 – MARKETING** 3 Units
Prerequisites: None
3 hours lecture weekly.
Marketing management from the viewpoint of the manager who researches and plans the product, organizes his staff, and controls the sales, advertising, and channels of distribution; case problem approach emphasized.
-
- Bus 38 – ADVERTISING** 3 Units
Prerequisites: None
3 hours lecture weekly.
Introduction to the field of advertising. Media, budgeting, market research, layout, copywriting, advertising agencies. Student receives actual practice in the planning of an advertising campaign.
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- Bus 39 – BUSINESS COMMUNICATIONS** 3 Units
Prerequisites: None.
3 hours lecture weekly.
Student is given training in the development of business letters and reports; persuasion and training in correct English usage in oral and written business communication.
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- Bus 40 – PERSONAL FINANCE** 3 Units
Prerequisites: None
3 hours lecture weekly.
Basic course designed to improve student's management of personal financial affairs. Problem solving and practical experience in the development of an individual's budgets, investments, insurance, loans, taxes, social security, etc.
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- Bus 42 - ECONOMICS OF ENTERPRISE** 3 Units
Prerequisites: None
3 hours lecture weekly
This course explores important concepts of business and economics by applying them to today's events in the world, the U.S. and Ventura County. Ideas about profits, supply and demand, money, insurance, costs, pricing, and management will be examined. Emphasis will be placed on the practical use of these concepts in one's everyday life. This class might be called "Econcepts of Business." (Co-numbered Econ 42).
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- Bus 44 - BUSINESS MATH** 3 Units
Prerequisite: MATH 9B or equivalent (may be taken concurrently)
3 hours lecture weekly
A review of fundamental arithmetic and algebraic processes with application to business problems. Fractions, decimals, skills in areas of mark-up, discounts, interest, installment debt and other business practices are presented. NOTE - this meets the college math requirement. (F,S)
(Co-number: Math 44)
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- Bus 49A-B - DIRECTED WORK EXPERIENCE IN BUSINESS** 1-3 Units
Prerequisite: Consent of instructor and Division Chairman.
5-15 hours laboratory weekly.
On-the-job training for students under the supervision of instructor and employer. An introduction to business policies, program practices, and procedures in specific business and/or government fields. Maximum of 6 units.
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- Bus 50 – ELEMENTS OF SUPERVISION** 3 Units
Prerequisites: None.
3 hours lecture weekly.
A basic course covering in general terms the total responsibilities of a supervisor; organization, duties and responsibilities, human relations, grievances, training, rating promotion, quality and quantity control.

Bus 51 – PERSONNEL MANAGEMENT**3 Units**

Prerequisites: Bus 50 or consent of instructor.
3 hours lecture weekly.

Personnel management as a staff function in the process of manpower administration in the organization. Policies and methods of obtaining and developing an efficient work force, including manpower planning, recruitment, selection, placement, training, management development, performance, evaluation, compensation practices, safety, benefits, and administration.

Bus 52 – LABOR MANAGEMENT RELATIONS**3 Units**

Prerequisite: Bus 50, Bus 51 or consent of instructor.
3 hours lecture weekly.

History and development of the labor movement, development of labor legislation – the National Labor Relations Acts, the Wagner Act, the Taft-Hartley Act; supervisor's responsibility for good labor relations, union contract and grievance procedure.

Bus 53 – COST AND JOB CONTROL FOR SUPERVISORS**3 Units**

Prerequisite: Bus 50 or consent of instructor.
3 hours lecture weekly.

Determination of costs in industry; cost control and related factors, materials, waste, salvage, quality control, quantity control, control of time, supervisor's responsibility for costs. Determination of job methods control and improvements; basic principles of work simplification including time and motion study techniques.

CHEMISTRY

Chem 1A - GENERAL CHEMISTRY**5 Units**

Prerequisites: High School Chemistry, or Chem 12, and Math 3 or equivalent

3 hours lecture, 6 hours laboratory weekly

This course is required of all majors in chemistry and most other fields of science and technology, and is also transferable as a laboratory science course or general education requirement for majors in any field.

Lecture: This course will describe matter in terms of composition and structure from the viewpoint of the atomic theory, atom structure and atom bonding. Properties of matter will be considered from a kinetic molecular theory, gas laws, colligative properties, and nuclear chemistry.

Laboratory: Some basic arts and techniques of Experimental Investigation will be explored. Spectroscopy, Gravimetric Volumetric Analysis, Stoichiometry solutions, Qualitative Analysis.

Equivalent to Chem 101, SFVSC

Accepted for credit, UC (all branches)

Chem 1B - GENERAL CHEMISTRY**5 Units**

Prerequisite: Chem 1A

3 hours lecture, 6 hours laboratory weekly

Lecture: Molecular interactions, reaction dynamics, thermochemistry, and thermodynamics, chemical, physical and solution equilibrium electro-chemistry. Why and how chemical reactions occur. Systematic descriptive chemistry.

Laboratory: Volumetric and gravimetric analysis Kinetic, electro-chemical determinations, calorimetry, equilibrium, acid-base reactions. (F,S)

Equivalent to Chem 102, SFVSC

Accepted for credit, UC (all branches)

Chem 1Ae - GENERAL CHEMISTRY FOR ENGINEERING**4 Units**

Prerequisites: High school Chemistry or Chem 12 or equivalent. Math 3 or equivalent.

3 hours lecture, 3 hours laboratory weekly

This course is required of all engineering majors. The lecture is continuous with 1A. The laboratory is designed for engineering students only.

Lecture: This course will describe matter in terms of composition and structure from the viewpoint of the atomic theory, atom structure and atom bonding. Properties of matter will be considered from a kinetic molecular theory, gas laws, colligative properties, and nuclear chemistry.

Laboratory: Volumetric analysis, stoichiometry. Use of the balance, error analysis, properties of various chlorine, sulfur and nitrogen oxidation states.

Equivalent to Chem 101, SFVSC

Accepted for credit, UC (all branches)

Chem 1Be - GENERAL CHEMISTRY FOR ENGINEERING**4 Units**

Prerequisites: Chem 1Ae

3 hours lecture, 3 hours laboratory weekly.

Lecture: Molecular interactions, reaction dynamics, thermochemistry, and thermo-dynamics, chemical, physical and solution equilibrium, electro-chemistry. Why and how chemical reactions occur. Systematic descriptive chemistry.

Laboratory: Volumetric and gravimetric analysis, reaction rate experiments, electrochemical determinations, calorimetry, qualitative analysis.

Equivalent to Chem 102, SFVSC

Accepted for credit, UC (all branches)

Chem 5 - QUANTITATIVE ANALYSIS**4 Units**

Prerequisites: Grade of C or better in Chem 1A-B or equivalent or consent of instructor

2 hours lecture, 6 hours laboratory weekly

The course will consider analytical chemical techniques. The emphasis will be in instrumental analytical procedures. The analysis will be Gravimetric, Volumetric, Potentiometric and Spectrophotometric. (F)

Equivalent to Chem 211, SFVSC

Accepted for credit, UC (all branches)

Chem 7A-B - ORGANIC CHEMISTRY**5-5 Units**

Prerequisites: Grade of C or better in Chem 1A-B or consent of instructor

3 hours lecture, 6 hours laboratory weekly.

A thorough study of organic chemistry. Emphasis is placed on application of modern principles to a study of the structure, reactivity and synthesis of aliphatic and aromatic compounds. Techniques, preparation and identification of organic chemicals using modern instrumental methods.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Chem 10A - DESCRIPTIVE CHEMISTRY**1 Unit**

Prerequisites: Consent of instructor

16 hours lecture

A description of the basic principles of chemistry and science. Emphasis will be placed on structure of the atom as it relates to bonding and chemical reactions.

Chem 10B - DESCRIPTIVE CHEMISTRY**1 Unit**

Prerequisites: Chem 10A or consent of instructor

16 hours lecture

A description of the basic principles of chemistry. Emphasis will be placed on the oxidation of materials including chemical rates and heats of reaction.

Chem 10C - DESCRIPTIVE CHEMISTRY 1 Unit

Prerequisites: Chem 10B, 10A or consent of instructor
16 hours lecture

A description of the basic principles of chemistry. Emphasis will be placed on the structure and reactivity of dangerous chemicals. Included will be radioactive materials, explosives and flammable materials.

Chem 12 - ELEMENTARY CHEMISTRY I 4 Units

Prerequisite: Math 1 recommended
3 hours lecture, 3 hours laboratory weekly.

A course designed for non-science majors, emphasizing principles of inorganic chemistry, structure of atoms and molecules, periodic table and chemical calculations. This course fulfills prerequisite requirements for Chem 1A.

Equivalent to Chem 103, SFVSC

Chem 13 - ELEMENTARY CHEMISTRY II 4 Units

Prerequisite: Chem 12
3 hours lecture, 3 hours laboratory weekly.

A continuation of Chem 12. A course emphasizing properties of solution, chemical equilibrium, acids and bases, and reaction Kinetics. The laboratory experiences are designed for practical applications in Home Economics, Agriculture and Environmental Chemistry.

Equivalent to Chem 104, SFVSC

Chem 22A-B - DIRECTED STUDIES IN CHEMISTRY 1-3 Units

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman
1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of chemistry on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

3 unit maximum credit, SFVSC

1 course accepted, UC (all branches)

CINEMATOGRAPHY

Cine 1 - HISTORY OF THE MOTION PICTURE 3 Units

Prerequisites: None
2 hours lecture, 3 hours laboratory weekly

An historical and critical survey, with examples of the motion picture both as a developing art form and as a medium of mass communication.

Cine 2AB - ART AND TECHNIQUES OF FILM 3-3 Units

Prerequisites: Suggested - Journ 1/Broad 1, Photo 1A and Cine 1

3 hours lecture weekly

A basic course presenting techniques of motion picture photography, script writing, and film production. Several areas are covered including documentary, educational, and expressive modes. Productions in both super 8 and 16 mm.

DATA PROCESSING

***DP 1 - INTRODUCTION TO DATA PROCESSING** 3 Units

Prerequisites: None. (For Data Processing majors only.)
3 hours lecture weekly.

Basic methods, techniques and systems of data processing, development of data processing functions as applied in manual, mechanical, electro-mechanical and electronic data processing systems. (F,S)

Equivalent to DP 211, Cal Poly Pomona

Accepted for credit at UC (all branches)

Accepted for credit, SFVSC

***DP 4A - COMPUTER PROGRAMMING I** 3 Units

Prerequisite: DP 1 and 2 years of high school algebra or Math 7 with a grade of C or better.

2 hours lecture, 3 hours laboratory weekly.

Familiarization with basic digital computer programming concepts; absolute machine language programming system and symbolic programming system; laboratory experience in actual operation and programming.

Equivalent to DP 231, Cal Poly Pomona

Equivalent to Bus 224, SFVSC

***DP 4B - COMPUTER PROGRAMMING II** 3 Units

Prerequisite: DP 4A
2 hours lecture, 3 hours laboratory weekly.

A study of automatic programming systems and their applications to the solution of business data processing problems; disc concepts, FORTRAN and COBOL. (F,S)

Accepted for credit at Cal Poly Pomona

Accepted for credit at UC (all branches)

Equivalent to Bus 222, 223, SFVSC

***DP 5 - COMPUTER PROGRAMMING BAL** 3 Units

Prerequisites: DP 1, DP 4A and DP 4B or approval of the instructor. High School Algebra or Math 7 desirable

2 hours lecture, 3 hours laboratory weekly.

Familiarization with programming for the third generation "byte" computers stressing the IBM/360 series. Laboratory experience in actual programming using Assembly language.

Accepted for credit at Cal Poly Pomona

Accepted for credit, SFVSC

***DP 6 - DATA PROCESSING SYSTEMS** 3 Units

Prerequisite: DP 1, or consent of instructor.

3 hours lecture weekly.

Data processing systems and procedures, analysis of various existing business data processing principles. Required of most business and economics departments for non-data and data systems concepts. (S)

Equivalent to DP 222, Cal Poly Pomona

Accepted for credit, SFVSC

DP 7A - COMPUTER PROGRAMMING RPG 1½ Units

Prerequisites: DP 1 or approval of the instructor

3 hours lecture weekly for 8 weeks

Basic computer programming concepts and development techniques. Laboratory development and problem solution using IBM Report Program Generator.

DP 7B - GENERAL PURPOSE SIMULATIVE SYSTEM 1½ Units

Prerequisites: DP 1 and at least one semester of computer programming

3 hours lecture weekly for 8 weeks

Familiarization with concepts and techniques of using a computer for the operation of simulation models.

DP 8A - OPERATING SYSTEMS 1½ Units

Prerequisites: DP 1 and at least one semester of computer programming

3 hours lecture weekly for 8 weeks

Concepts, techniques and use of operating systems. Methods of coding and maintenance of operating systems for computers with multi-processing capabilities.

DP 8B - DATA MANAGEMENT 1½ Units

Prerequisites: DP 1 and at least one semester of computer programming.

3 hours lecture weekly for 8 weeks

Familiarization with concepts and techniques of data files construction, management and control.

DP 10 - DATA PROCESSING METHODS FOR BUSINESS 2 Units

Prerequisite: None.

2 hours lecture weekly.

An introductory course covering the history, development and application of data processing principles. Required of most business and economics departments for non-data processing majors. Not open to students who have completed DP 1.

Accepted for credit, SFVSC

***DP 11 - KEYPUNCH OPERATION** 1 Unit

Prerequisite: High school typing or equivalent or consent of instructor.

1 hour lecture, 3 hours laboratory (8 weeks)

The basic operation principles of the IBM 029 keypunch with laboratory experience on the equipment. (F,S)

***DP 18 - COMPUTER PROGRAMMING - FORTRAN** 3 Units

Prerequisite: Math 3 or one and one-half years of high school algebra

2 hours lecture, 3 hours laboratory weekly

Familiarization with basic digital computer programming concepts. Designed to introduce physical science, life science, social science, business, engineering and mathematics students to the computer in problem solving, emphasizing the use of FORTRAN language. (F,S) (co-number Math 18)

Equivalent to Bus 223, SFVSC

Accepted for credit, UC (all branches)

***DP 20 - INTRODUCTION TO NUMERICAL METHODS** 2 Units

Prerequisites: Math 18/DP 18 and Math 16

OR Math 18/DP 18 and Math 25A

3 hours lecture weekly

Error Analysis/power series calculation of functions; roots of equations; nonlinear simultaneous equations; matrices, determinants, and linear simultaneous equations; numerical integration; interpolation and curve fitting. These numerical methods will be practically applied on the IBM 360 using FORTRAN IV. (Co-number Math 20)

DP 22A-B - DIRECTED STUDIES IN DATA PROCESSING 1-3/1-3 Units

Prerequisite: Advanced standing and consent of instructor and Division Chairman.

1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of Data Processing on an independent study basis. Assigned work can involve the programming of a complete data processing application under the direction and guidance of an instructor. (Maximum of 6 units)

* A total of 12 units elective credit in Data Processing at SFVSC.

EARLY CHILDHOOD DEVELOPMENT

ECD 2A-B - DIRECTED STUDIES IN EARLY CHILDHOOD DEVELOPMENT 1-3/1-3 Units

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman.

1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of Early Childhood Development on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

ECD 30A - CHILD GROWTH & DEVELOPMENT I 3 Units

Prerequisites: None

3 hours lecture weekly

A study in depth of the social, emotional and physical development of the normal child in relation to the home and the early years of school; special attention to prenatal and infant development.

Accepted for credit, SFVSC

ECD 30B - CHILD GROWTH AND DEVELOPMENT II 3 Units

Prerequisites: ECD 30A

3 hours lecture weekly

Knowledge and understanding of how the social, intellectual, physical and emotional growth of the baby and young child affects the child from infancy to adolescence; emphasis on the relationship of early childhood development to the child's later functioning academically, psychologically and socially in school, with his peers, and in his family.

ECD 31A - GROWTH & DEVELOPMENT OF THE EXCEPTIONAL CHILD I 3 Units

Prerequisites: ECD 30A

3 hours lecture weekly

The social, emotional, and physical development of the exceptional child in relation to the home, community, hospital and nursery school. Special attention to the child's motor, speech, perceptual and psychological development.

ECD 31B - GROWTH & DEVELOPMENT OF THE EXCEPTIONAL CHILD II 3 Units

Prerequisites: ECD 30A and ECD 31A or consent of instructor

3 hours lecture weekly

Identifying and understanding children with special learning disabilities such as hyperactive, highly gifted, mentally retarded, and those with communication or perceptual difficulties. To assist potential teachers and parents in planning and implementing programs and curriculum for these children at school and at home.

ECD 38 - OBSERVATION IN THE NURSERY SCHOOL 3 Units

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly

An introduction to child growth and development and working with young children in the nursery school setting. Students will observe children's activities in the nursery school (with guidance) and then will participate in the actual program with limited assignments.

Accepted for credit at SFVSC

ECD 39A - SUPERVISED PARTICIPATION IN THE NURSERY SCHOOL 3 Units

Prerequisites: ECD 30 and ECD 38 or permission of instructor

2 hours lecture, 3 hours laboratory weekly

Training in nursery school procedures and practices for students who will be teaching young children or those who are now employed in nursery schools, Head Start Centers, and day-care facilities. Students will gain practical experience while actually working with the young children in the nursery school setting.

ECD 39B - SUPERVISED PARTICIPATION IN THE NURSERY SCHOOL 3 Units

Prerequisites: ECD 39A or permission of instructor

2 hours lecture, 3 hours laboratory weekly

Extended training in observation, participation and planning of the nursery education experiences of young children in community nursery school settings; i.e., child care facility, private and church programs, Head Start and special education in addition to the campus laboratory experience.

ECD 40 - CHILD, FAMILY AND COMMUNITY 3 Units

Prerequisites: None

3 hours lecture weekly

Pattern of child-rearing in contemporary society. Interaction of family and community. Significance of personal and social values in family life and community action. Individual and social resources for family health and welfare and improving child development.

Accepted for Credit SFVSC

ECD 41 - NURSERY SCHOOL PROGRAMS 3 Units

Prerequisites: ECD 49

3 hours lecture weekly

A survey of philosophies and programs in the field of Nursery Education. Experience in planning a curriculum for a nursery school program. Special emphasis provided for selection and arrangement of equipment and materials to furnish a rich environment for the mental and physical growth of nursery school children.

Accepted for credit at SFVSC

ECD 42 - NURSERY SCHOOL ADMINISTRATION AND SUPERVISION 3 Units

Prerequisites: ECD 40 and ECD 41 or consent of instructor

3 hours lecture weekly

Origin of nursery school movement in California. Types and essentials of nursery schools, including licensing, legislation standards, daily routines, teacher responsibility, and public relations. This course will include principles and practices of communication skills for the teacher and administrator with other staff members in the Nursery School and between the school and the home.

ECD 43 - PARENT AND TEACHER COMMUNICATIONS AND CONFERRING 3 Units

Prerequisites: ECD 40

3 hours lecture weekly

A course to increase knowledge and effectiveness in parent-teacher conferencing with an emphasis on techniques that facilitate skillful communication. Understanding parental and teacher goals and expectations in relationship to the young child.

ECD 49A-B - DIRECTED WORK EXPERIENCE IN EARLY CHILDHOOD DEVELOPMENT 1-3/1-3 Units

Prerequisites: Consent of instructor and Division Chairman

5-15 hours laboratory weekly

On the job training for students under the supervision of instructor and employer. An introduction to program, policies and procedures in the specific fields. Maximum of 12 units.

ECD 50 - EARLY CHILDHOOD INSTITUTE 1-3 Units

Prerequisites: None

A short term lecture-workshop series designed primarily for a nursery school personnel in the teaching and administrative roles. This course will provide opportunity to gain understanding and skills in the areas of communication with children, parents, staff, and community agencies.

ECD 51 - MUSIC IN THE NURSERY SCHOOL 3 Units

Prerequisites: None

3 hours lecture weekly

Designed to help teachers in understanding the growth and development of children in relation to music at home and at school. Also to help prospective teachers of young children gain skill in conducting a music program in the Nursery School. In particular, emphasis will be placed on skill, construction and playing of simple musical instruments, creative rhythm, and composing songs.

ECD 52 - ART IN THE NURSERY SCHOOL 3 Units

Prerequisites: None

3 hours lecture weekly

To provide opportunities for teachers to learn how to help their children in the field of art. To help teachers in understanding the growth and development of children in relation to creative experience both at home and at school. The development of practical materials in the creative arts and an understanding of the individual child to his own creative expression.

ECD 53 - SCIENCE IN THE NURSERY SCHOOL 3 Units

Prerequisites: None

3 hours lecture weekly

To provide opportunities for teachers to learn how to help their children in the field of science. To help teachers in understanding the growth development of children in relation to science both at home and at school; the development of practical materials in a science area.

ECD 54 - LITERATURE IN THE NURSERY SCHOOLS 3 Units

Prerequisites: None

3 hours lecture weekly

Exploration of various experiences appropriate to the development of young children including picture books, flannel graphs, poetry, puppetry, records, television, dramatic play. Emphasis on developing language concepts and skills.

ECD 55 - CREATIVE MOVEMENT ACTIVITIES FOR CHILDREN 3 Units

Prerequisites: None

3 hours lecture weekly

A presentation of methods and materials which parents and teachers of pre-school and early elementary aged children can utilize in encouraging and directing creative movement experiences in the school, home, or various organizations (YMCA, church). (Co-numbered PE 97)

ECONOMICS**Econ 1A-B - PRINCIPLES OF ECONOMICS 3-3 Units**

Prerequisite: Satisfactory score on placement test; Econ 1A for Econ 1B

3 hours lecture weekly.

First semester - Functioning of a mixed enterprise system, business organization, labor organization and problems, the economic role of government, national income determination, monetary and fiscal policies, money and banking.

Second semester - Price system, functional distribution of income, international trade and finance, comparative economic systems, economic growth and development. (F,S)

Equivalent to Econ 150, 160, SFVSC

Accepted for credit, UC (all branches)

Econ 10 - THE AMERICAN ECONOMY 3 Units

Prerequisites: None

3 hours lecture weekly.

A survey of the American economy with emphasis on the development, functioning, and significance of economic institutions of concern to citizens. The monetary system, consumer-producer relationships, the role of government and fiscal policy, business cycle, international funds, and unemployment are examined in detail.

Accepted for credit, SFVSC

Econ 22A-B - DIRECTED STUDIES IN ECONOMICS 1-3/1-3 Units

Prerequisites: A course in the specific field and consent of the instructor and Division Chairman.

1-3 hours tutorial weekly.

Designed for the curious and responsible student who has already demonstrated sufficient proficiency in economics. Intent is to permit, by means of independent study, the student's further pursuit of economics. Maximum of 6 units.

Maximum credit, 1 course, UC (all branches)

Econ 42 - ECONOMICS OF ENTERPRISE 3 Units

Prerequisites: None

3 hours lecture weekly

This course explores important concepts of business and economics by applying them to today's events in the world, the U.S. and Ventura County. Ideas about profits, supply and demand, money, insurance, costs, pricing, and management will be examined. Emphasis will be placed on the practical use of these concepts in one's everyday life. This class might be called "Econcepts of Business." (Co-numbered Bus 42)

EDUCATION**Ed 1A-B - INSTRUCTIONAL SKILLS 3-3 Units**

Prerequisite: Satisfactory score on placement test.

3 hours lecture weekly.

A survey of the educational methods and materials which an instructional aide will encounter in a public elementary or secondary school classroom. Content would emphasize programmed instruction, auto-tutoring, audio-visual equipment, elementary grammar and spelling, arithmetic, chalkboard techniques, and mechanical reading aids.

ED 7 - INSTRUCTIONAL MATERIALS LABORATORY 2 Units

Prerequisites: Teaching Credential or consent of instructor

1 hour lecture, 3 hours laboratory weekly

A comprehensive laboratory course for the purpose of developing instructional materials for the classroom. Materials covered are charts, posters, slides, filmstrips, overhead transparencies, slide-tape, presentations, photocopies and thermal master.

Ed 10 - INTRODUCTION TO EDUCATION 3 Units

Prerequisites: None

3 hours lecture weekly

An introduction to a career in teaching and the issues and problems involved at all levels of American Education. Includes such areas as the historical, social, philosophical and psychological foundations and organization of education, and examines the contribution of teachers to the profession, students, and the community.

Ed 22A-B - DIRECTED STUDIES IN EDUCATION 1-3/1-3 Units

Prerequisites: Consent of instructor and division chairman

1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of education on an independent study basis. Assigned problems will involve library and field work. Maximum of 6 units.

Ed 49A-B - DIRECTED WORK EXPERIENCE IN INSTRUCTION & TUTORING 1-3 Units

Prerequisites: Consent of instructor and/or appropriate coordinator

5-15 hours lab weekly.

On-the-job training for students under the supervision of an instructor or an education coordinator. The student will gain practical experience in the application of instructional practices and tutoring methods as used in specific teaching situations in the field. Maximum of 6 units.

**ENGINEERING /
ENGINEERING TECHNOLOGY****Engr 1 - THE ENGINEERING PROFESSION ½ Unit**

Prerequisite: None

1 hour lecture weekly (8 weeks)

A study of the engineering profession; its requirements, opportunities, and responsibilities. Presentations by members of the engineering profession. (F)

Accepted for credit, UC (all branches)

Accepted for credit, Cal Poly SLO

Engr 4 - ENGINEERING GRAPHICS WITH DESCRIPTIVE GEOMETRY 4 Units

Prerequisite: Major in Engineering or consent of instructor

2 hours lecture, 6 hours laboratory weekly.

Introduction to elementary design, including experimental design of a structure, machine, circuit, or process. Graphic computations and analysis, including graphic calculus and nomography. Preparation of working drawings. Descriptive geometry.

Engr 4 with Engr 1 equivalent to Engr 107, SFVSC

Accepted for credit UC (all branches)

Equivalent to ET 344, Cal Poly SLO

Engr 6 - COMPUTER SOLUTIONS TO ENGINEERING PROBLEMS 3 Units

Prerequisite: Math 25A

3 hours lecture weekly

The use of digital computers in the solution of engineering problems; programming and programming languages. Emphasis will be placed on the solution of engineering problems using the FORTRAN and PL 1 programming languages.

Accepted for credit, UC (all branches)

Equivalent to Engr 200, SFVSC

Engr 8A - SURVEYING 3 Units

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly

Affords the student the opportunity to make engineering measurements. The student studies in detail these three areas of land measurement - horizontal, angular and elevation. The theory of random errors, the probability curve and the theory of least squares is explained and applied.

Accepted for credit, SFVSC

Engr 8B - ADVANCED SURVEYING 3 Units

Prerequisites: Engr 8A

2 hours lecture, 3 hours laboratory weekly

Lectures, laboratory instruction on vertical control, precise leveling; horizontal control; triangulation, trilateration, traverse; electronic distance measurements; least square adjustment of control survey observations; state coordinate system; astronomical observations for azimuth and latitude.

Engr 12 - ENGINEERING STATICS AND STRENGTH OF MATERIALS 4 Units

Prerequisites: Math 25A

4 hours lecture weekly

Vector algebra, equivalent force systems, free body diagrams and equilibrium, structural mechanics, behavior of deformable solids, stress and strain tension, compression, flexure, torsion, beams, columns, statically indeterminate problems, multi-axial stresses, theories of strength.

Equivalent to Engr 240, SFVSC

Accepted for credit, SFVSC

Engr 15 - INTRODUCTION TO CIRCUIT ANALYSIS 3 Units

Prerequisite: Math 25C, Ph 4C (Can be concurrent enrollment.)

3 hours lecture weekly.

Introduction to the analysis of electrical circuits, basic network elements; circuit analysis theorems; natural and forced response of simple circuits; steady state sinusoidal analysis.

Equivalent to either EI 213 or EE 133, Cal Poly SLO

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engr 18 - ENGINEERING MATERIALS 3 Units

Prerequisite: Chem 1Be, Ph 4B

3 hours lecture weekly

Application of basic principles to the selection and use of engineering materials; analysis of the internal structures of materials and dependence of properties upon these structures; the study of the behavior of materials in service.

Equivalent to either WM 306 or WM 335, Cal Poly SLO

Accepted for credit UC (all branches)

Equivalent to Engr 227 if 227L is taken after transfer, SFVSC

Engr 45 - SLIDE RULE 1 Unit

Prerequisites: Math 2 or equivalent.

1 hour lecture weekly

Use of all 33 scales of a Log Log Decitrig Slide Rule; mathematical principles involved in the construction and use of the various scales. (Co-Number Math 45).

ET 1 - ENGINEERING TECHNOLOGY ½ Unit

Prerequisites: None

1 hour weekly (8 weeks)

An introductory course describing the requirements, opportunities, and responsibilities of technicians in the various fields of engineering and technology. Members of the profession will speak. (F)

Accepted for credit, Cal Poly SLO

ET 2 - MECHANICAL DRAFTING 3 Units

Prerequisites: None.

2 hours lecture, 3 hours laboratory weekly.

An introduction to drafting and graphic practice. Use and care of drafting equipment and instruments; lettering, theory of orthographic projection, pictorial drawings, sketches, working drawings. Prerequisite to all drafting and design courses. Designed to satisfy general education fine arts requirement. (F)

Equivalent to ET 131, Cal Poly SLO

ET 3 - GRAPHICS AND ENGINEERING SKETCHING 3 Units

Prerequisite: ET 2 or consent of instructor.

2 hours lecture, 3 hours laboratory weekly

Advanced orthographic projection: auxiliaries, sections, dimensioning, working drawings, charts, scales, perspective drawings, and freehand sketching.

Equivalent to either ET 142 or ET 151, Cal Poly SLO

ET 6AB - BASIC ELECTRONICS FOR FCC LICENSING 3-3 Units

Prerequisites: ET 20B or ET 23B (can be concurrent) or Broad 2.

3 hours lecture weekly.

Basic electronics circuits pertaining to radio and television broadcasting. Intended to prepare the student for the series of Federal Communications Commission examinations eventually leading to the first radio telephone operators license. (Co-number: Broadcasting 6A-6B)

ET 10AB - ELECTRONICS DRAFTING 3-3 Units

Prerequisites: Mechanical Drafting or consent of instructor.

ET 10A for 10B

2 hours lecture, 3 hours laboratory weekly

ET 10A - Review of basic drafting as applied to electronics. Practice and development of skills in drawing symbols, block diagrams and schematic diagrams. Students will have an opportunity to redesign circuit diagrams.

ET 10B - Practice and development of advanced drafting work such as printed circuits, wiring diagrams, mechanical construction and special diagrams.

Equivalent to either EE 146 or EL 146, Cal Poly SLO

ET 14 - TECHNICAL ILLUSTRATION 3 Units

Prerequisites: ET 2 or consent of instructor.

2 hours lecture, 3 hours laboratory weekly.

Preparation of technical illustrations to meet the standards of industry; drawings from blueprints, technical orders and freehand sketches; technical aspects of preparing work for reproduction; axonometric and perspective projection.

Equivalent to IT 245, Cal Poly SLO

ET 15 – CIVIL ENGINEERING DRAFTING

3 Units

Prerequisites: ET 2 or equivalent or consent of instructor.
2 hours lecture, 3 hours laboratory weekly.

Computations and procedures peculiar to construction engineering office activities; maps and land descriptions; highway design procedures; water supply and sewer design; quantities and estimates; structures.
Accepted for credit, Cal Poly SLO

***ET 16 – RESIDENTIAL CONSTRUCTION DRAFTING**

3 Units

Prerequisites: ET 2 or equivalent or consent of instructor.
2 hours lecture, 3 hours laboratory weekly.

Design and drafting of residential construction with consideration given to cost, location, client needs, and available materials. Preparation of complete working drawings. Includes field trips to construction sites. Appropriate codes are studied.

***ET 17 – COMMERCIAL CONSTRUCTION DRAFTING**

3 Units

Prerequisites: ET 2 or equivalent or consent of instructor.
2 hours lecture, 3 hours laboratory weekly.

Design and drafting of commercial construction with consideration given to cost, location, client needs, and available materials. Preparation of complete working drawings. Includes field trips to construction sites. Appropriate codes are studied.

* ET 16 and 17 are equivalent to Arch 231-32 at Cal Poly, SLO upon review of the student's portfolio.

ET 20A - PRINCIPLES OF ELECTRONICS I

5 Units

Prerequisites: Math 2 and 3 (concurrent) or Math 7 (concurrent)
4 hours lecture - 3 hours laboratory weekly.

Passive circuit theory electronic laws; Ohm's law; Kirchoff's laws; circuit theorems, circuit solution techniques. Passive components; resistors, capacitors, inductors; equivalent circuits; DC and AC circuits. Frequency response; passive filters. Laboratory emphasizes the study of practical theory study. Equivalent to either EL 111 and EI 151 combined, or IT 131 and IT 132 combined, Cal Poly SLO

ET 20B – PRINCIPLES OF ELECTRONICS II

5 Units

Prerequisites: ET 20A
4 hours lecture, 3 hours laboratory weekly.

Active electronic circuits. Comparison of linear and nonlinear systems. Gain; frequency response; principles of feedback. Solid state and vacuum devices. Device application; small signal amplifiers; power amplifiers; oscillators; special purpose applications. Laboratory emphasizes application of active circuit theory.

Equivalent to either ET 231, or EL 112-152 combined, or IT 133, Cal Poly SLO



ET 20C – PULSE AND DIGITAL CIRCUITS

5 Units

Prerequisites: ET 20B
4 hours lecture, 3 hours laboratory weekly

Analysis of pulse circuits; transient AC circuits; waveshaping circuits; switching circuits and oscillators; flip-flops; logic circuits; memory; Boolean Algebra. Laboratory will emphasize physical design and operation of pulse circuits.

Equivalent to ET 232, Cal Poly SLO

ET 20 D - ELECTRONIC SYSTEMS

5 Units

Prerequisite: ET 20C
4 hours lecture, 3 hours laboratory weekly.

Principles of electronics systems. Communications systems; amplitude modulation; frequency modulation; pulse modulation; transmission and reception of radio signals. Control systems. Digital and analog computers. Power systems. Lab emphasizes applications of the above techniques plus the interconnection of simple circuits into electronic systems.

Accepted for Credit, Cal Poly SLO

ET 22A-B - DIRECTED STUDIES IN TECHNOLOGY

1-3/1-3 Units

Prerequisite: A course in the specific field and the consent of the instructor and division chairman
1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of technology on an independent study basis. Assigned problems will involve library, laboratory and field. Maximum of 6 units.

Accepted for credit Cal Poly SLO

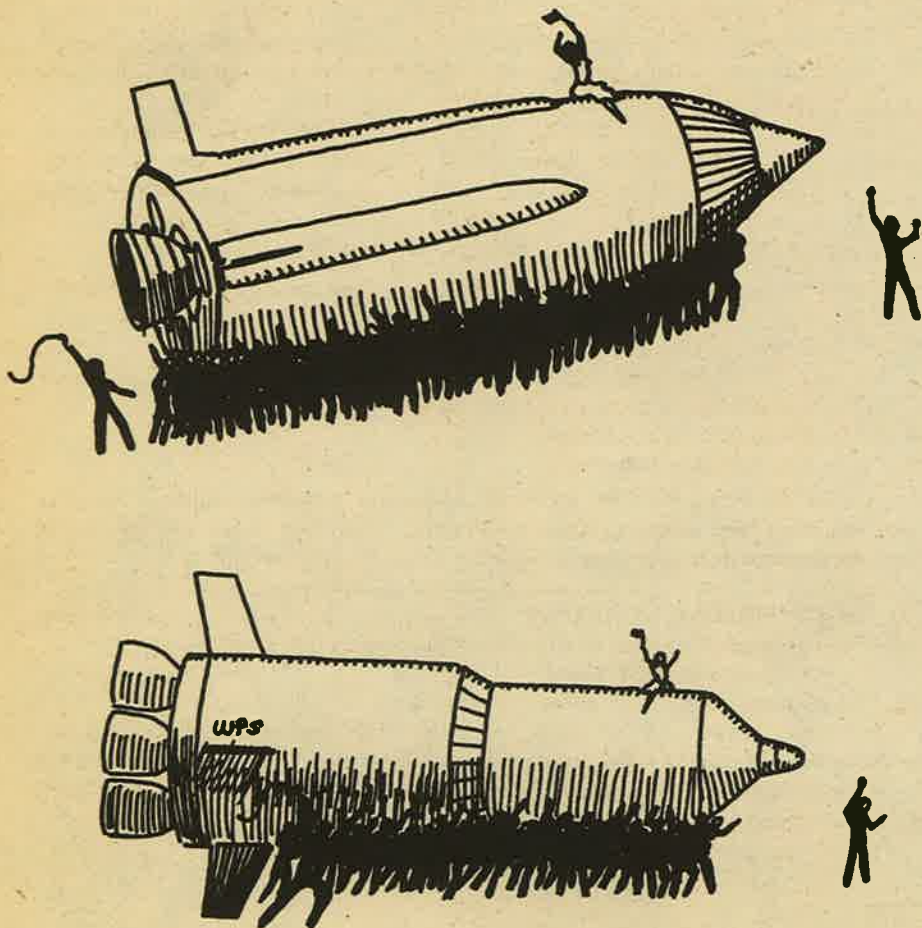
ET 28 - ELECTRONIC MEASUREMENTS

3 Units

Prerequisites: ET 20B (or concurrent enrollment)
2 hours lecture, 3 hours laboratory weekly

Theory and practice of the testing of electronic circuits. Laboratory tests equipment. Gain; frequency response; frequency measurement; time measurement; component and circuit evaluation; calibration of electronic test equipment. Lab emphasizes the use of electronic measuring equipment and the design of measurement schemes to accomplish specified tasks.

Equivalent to ET 132, Cal Poly SLO



ET 30 - TECHNICAL MATERIALS**3 Units**

Prerequisites: None.

3 hours lecture weekly

Introduction to the properties of materials including physical properties, limitation, design considerations, and measurement procedures.

Accepted for Credit, Cal Poly SLO

ET 31 - MECHANICS**3 Units**

Prerequisite: Math 2 or concurrent enrollment

3 hours lecture weekly

A non-calculus course relating to the principles of plane statics and dynamics and their application to engineering problems; force systems, equilibrium conditions, force analysis of structures, friction, fluid statics, kinematics in plane motion.

Accepted for Credit, Cal Poly SLO.

ET 32 - STRENGTH OF MATERIALS**3 Units**

Prerequisite: ET 31

3 hours lecture weekly.

Principles of applied mechanics of materials, utilizing basic mathematics in stress-strain concepts, beam analysis, joints and connections, and stress analysis.

Accepted for Credit, Cal Poly SLO

ET 34 - HYDRAULICS**3 Units**

Prerequisite: Math 2 or concurrent enrollment.

3 hours lecture weekly

An introduction to the principles of hydrology and hydraulics with application of these principles to the design of engineering structures.

Accepted for Credit, Cal Poly SLO

**ET 49A-B - DIRECTED WORK EXPERIENCE
IN ELECTRONICS****1-3 Units**

Prerequisite: Consent of instructor and division chairman

5-15 hours laboratory weekly.

On-the-job training for students under the supervision of instructor and employer. An introduction to methods, equipment and working conditions existing in specific fields of electronics technology.

ENGLISH**Engl 1 - LITERATURE AND WRITTEN EXPRESSION****1½ Units**

Prerequisites: Satisfactory placement score

3 hours lecture weekly for eight weeks

The objective of these English courses is to do the following:

1. To explore and analyze literature
2. To improve skills of self-expression and composition

The structure of these English courses gives the student these options:

1. The student may choose from any of the courses listed
2. The student may take a different instructor for each eight-week segment

Listed below are the current English 1 courses. Two English 1 courses are equivalent to the traditional English 1A course (3 units); four English 1 courses are equivalent to the traditional English 1A and 1B courses (6 units.)

All courses listed are not offered each semester.

Accepted for Credit, SFVSC

Accepted for Credit, UC (all branches)

- | | |
|-----|-------------------------------------------------|
| 1-A | Composition/Poetry |
| 1-B | Composition/Short Story |
| 1-C | Composition/Novel |
| 1-D | Composition/Drama |
| 1-E | Composition/Essay |
| 1-F | Composition/English Focus; The following genre: |

Rites of Passage - Deals with the literature of birth, puberty, and death now and in the past

Existentialism in Literature - Explores themes and topics as expressed in modern American and European literature.

Satire - Looks at the art of comic ridicule from examples both past and present.

Modern Poetry - Scrutinizes current trends in poetry and traces antecedents.

Christian Literature - Studies the Bible and other related works as truth, fact, and allegory. the Bible and other related works as truth, fact, and allegory.

Shakespeare - Studies a selection of Shakespeare's major works and relates them to the present.

Utopian Literature - Samples the ideals and hopeful plans of a select group of dreamers.

Of Men and the Sea - Explores man's relationship with the sea as represented in various plays, stories, and poems.

Mythology - Studies myth and its connection with man and society in major literature works.

Cinema - Explores examples of the cinematic art which you talk about, write about and mirror.

Comedy - Captures Flastaff, Natty Bumppo, Lenny Bruce and others as best it can.

Literature of American Indian - Studies the American Indian both past and present through his own scripture, fiction, poetry and song.

Literature of Risk - Grapples with man and woman facing marriage, patriotism, duty, death, and other rituals of life.

Contemporary American Jewish Prose Fiction - Examines the relationship between form and meaning in the prose fiction of contemporary writers such as Bernard Malamud, Philip Roth, Saul Bellow, I.B. Singer, and Bruce J. Friedman.

Recent American Fiction - Deals with literature of the Sixties, by men like Mailer, Updike, Roth, Cleaver, and Albee.

Literature of the American West - Deals with the energies, idealisms, viciousness and generosity found in stories, poems, and novels about the settling of the west.

Literature of Rural America - Studies in short works of fiction by Mark Twain, Sinclair Lewis, Sherwood Anderson, Willa Cather, William Faulkner and others. The life style, attitudes and values of small towns in America.

French Literature - Samples from 19th and 20th Century French fiction in English translation, Flaubert, Camus, Sartre, Genet and others.

French Philosophers - Explores the basic works in English translation of important French philosophers such as Voltaire, Rousseau, Camus and Sartre.

Latin-American Literature - Latin-American literature in English translations. Readings will include such works as The Conquest of New Spain, The Labyrinth of Solitude, and The Underdogs.

Spanish Literature - Spanish literature in English translations. Readings will include such works as Don Quixote, Blood Wedding, Rebellion of the Masses, and Platero and I.

Modern German Literature in translation - A study of short stories, dramas, and poetry from 1900-1945 German literature in English translation. Selections from Nietzsche, Hauptmann, Hofmannsthal, Hesse, Kafka, Rilke, T. Mann, Brecht, and others.

Post War German Literature in translation - A study of selected German literature since 1945. Dramas, short stories, and poetry by such authors as Zuckmayer, Frisch, Durrenmatt, Borchert, Grass, Boll, Slezak, and others will be analyzed and discussed.

Experimental Film - Viewing and analysis of student made and experimental films.

Poetry Workshop - Form and style in poetic writing, with emphasis on student creativity.

Creative Writing - Form and Style in short fiction and poetic creation, with emphasis on student writing.

Blues Literature - A treatment of tragic poetry and detailed examination of renowned Blues singers from the past to B.B. King.

Beatles Literature - A detailed examination of the poetic lyrics of songs written by the Beatles.

Soviet Russia - Study of fiction and poetry of 'Soviet realist' writing.

Literature of the 60's - The writings of American authors of the generation of the 60's.

Institutions in Literature - The literature of prisons, schools, mental hospitals, and others. Social, political and economic institutions as manifested in fiction and poetry.

Sports Literature - Stories, poems, novels and non-fiction writing on competitive sports, sea-travel, and other individual and team endeavors.

California Literature - The writings of Bret Hart, Mark Twain and others of California vintage.

Film-Making - Students will make a short 8mm film.

NOTE: Humanities 6 and Humanities 5A and 5B also offer English 1 credit (See page 37.)

Engl 2 - PREPARATORY ENGLISH**3 Units**

Prerequisite: Required of all students needing further work in written expression.

3 hours lecture weekly

Emphasis on English grammar, spelling, vocabulary building, sentence structure, and diction; frequent practice in writing short themes and in reading and analyzing selected essays. (Evenings and Summer only.)

Engl 3 - WRITING WORKSHOP**5 Units**

Prerequisites: Required of all students needing further work in written expression

4 hours lecture, 3 hours laboratory weekly.

Intensive practice in written expression with emphasis on major problems such as developing ideas, organization, and clarity of statement. Students will be expected to write regularly. Work will be evaluated on an individual basis.

Engl 4A-B - ENGLISH AS A SECOND LANGUAGE **3-3 Units**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly

Identifies areas of weakness in speech, writing, reading, vocabulary, spelling for students for whom English is not the principle language. Strengthens these areas so that the student will be capable of communicating well in English. Some emphasis will also be placed on American customs. Accepted for credit, UC (all branches)

Engl 10A - CREATIVE WRITING **3 Units**

Prerequisite: English 1 or consent of instructor

3 hours lecture weekly

A writing workshop designed to concentrate on the techniques of writing fiction; practice in writing original works; discussion and analysis of students' writings.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Engl 10B - CREATIVE WRITING **3 Units**

Prerequisites: English 1 or consent of instructor

3 hours lecture weekly

A writing workshop designed to concentrate on the techniques of writing poetry; practice in writing original works; discussion and analysis of students' writings.

Engl 11 - RADIO-TELEVISION WRITING **2 Units**

Prerequisite: Engl 1 or consent of instructor

2 hours lecture weekly.

This course deals with the preparation and analysis of dramatic scripts, program formats, public service announcements, local news, commercials, continuity, discussion programs, special events, talks and interviews. Training is given in the fundamentals of script format, professional methods, and the ethics and restrictions involved in the broadcasting medias. (Co-number Broad 5.)

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 13 - MAJOR AMERICAN WRITERS **3 Units**

Prerequisite: Engl 1

3 hours lecture weekly.

Reading from the works of Emerson to Le Roi Jones, including Thoreau, Whitman, Twain, Crane, Faulkner, Hemingway, and selected modern poets.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 15A-B - SURVEY OF ENGLISH LITERATURE **3-3 Units**

Prerequisite: Engl 1 as required by transfer institution.

3 hours lecture weekly.

First semester—English literature in its cultural framework from Anglo-Saxon times to the Romantic Period.

Second semester—English literature in its cultural framework from the rise of Romanticism to the present.

Accepted for credit, UC (all branches)

Equivalent to Engl 258-259, SFVSC

Engl 17 - SHAKESPEARE **3 Units**

Prerequisite: Engl 1

3 hours lecture weekly.

A survey of twelve plays, including romantic comedies, chronicles, tragedies, "dark" comedies, and romances; lectures; critical papers; and class discussions.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 18 - THE MODERN AMERICAN NOVEL **3 Units**

Prerequisites: Engl 1

3 hours lecture weekly.

An analysis of structure and meaning in the works of Dreiser, Hemingway, Dos Passos, Faulkner, Lewis, Wolfe, Bellow, Ellison, Malamud, and I.B. Singer. Written and oral presentations will supplement lectures and classroom discussions.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 19 - INTRODUCTION TO SHORT STORY **3 Units**

Prerequisite: Eligibility for English 1

3 hours lecture weekly.

The form and meaning of short-stories through intensive analysis of structure and meaning in selected American, British and continental examples.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 21 - CONTEMPORARY NOVELS **3 Units**

Prerequisites: English 1

3 hours lecture weekly

Reading and analysis of post-World War II novels, American and foreign, selected in view of their popularity as well as their innovative importance and literary quality.

Engl 22A-B - DIRECTED STUDIES IN ENGLISH **1-3/1-3 Units**

Prerequisite: A course in the specific field and the consent of the instructor and division chairman.

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of English on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

Maximum credit 3 units, SFVSC

Engl 25 - PLAYWRITING **3 Units**

Prerequisites: None

3 hours lecture weekly

Designed for the student to develop his skills in writing for the theatre with a possible opportunity of production. (Co-numbered ThA 25)

Accepted for credit, UC (all branches)

Engl 27 - CONTEMPORARY FRENCH LITERATURE IN TRANSLATION **3 Units**

Prerequisites: None

3 hours lecture weekly

Readings in contemporary French literature (Camus, Satre, Ionesco, Proust). (Co-number, French 4)

Engl 28 - HISPANIC CULTURE AND CIVILIZATION **3 Units**

Prerequisites: One year college Spanish or reading

ability in Spanish

3 hours lecture weekly

Reading and discussion in Spanish of the civilization and culture of the Spanish speaking countries, emphasizing one or two countries each semester. (Co-number, Span 4)

Engl 30 - MASTERPIECES OF WORLD LITERATURE **3 Units**

Prerequisite: Engl 1

3 hours lecture weekly.

A survey of representative authors from the time of Homer to the Renaissance, with intensive study of selected Greek, Roman, Medieval, and Renaissance masterpieces.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 31 - MASTERPIECES OF WORLD LITERATURE **3 Units**

Prerequisite: Engl 1

3 hours lecture weekly.

A survey of major literature from the Renaissance to the present, including such authors as Locke, Moliere, Rousseau, Goethe, Emerson, Tolstoi, Ibsen, and Mann.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 35A - SURVEY OF AMERICAN LITERATURE **3 Units**

Prerequisite: Engl 1

3 hours lecture weekly.

Significant American writers from the early seventeenth century to 1800, with emphasis on the intrinsic political, social, and intellectual trends of the periods they represent.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 35B - SURVEY OF AMERICAN LITERATURE **3 Units**

Prerequisite: Engl 1

3 hours lecture weekly.

Significant American writers from 1800 to the present, with emphasis on the intrinsic political, social, and intellectual trends of the periods they represent.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Engl 39 A-B - MAJOR CIVILIZATIONS THROUGH DRAMA **3-3 Units**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly

The tribal age, the age of cities, and the development of modern history to be recreated through research and produced in plays. A sense of history to be developed out of creative experiences based on historical study of the Greek, the Roman, Medieval, and the modern.

Engl 40 - WRITING RESEARCH PAPERS **1½ Unit**

Prerequisite: Consent of instructor

3 hours lecture weekly (8 weeks)

Instruction will be given on all phases of preparing a research paper, Such problems as selecting framing and narrowing a topic, sequencing and outlining, data collection and presentation, bibliography preparation, documentation, argument and logic will be discussed and explored. Students will be expected to complete a research paper during the course.

**Engl 45 - MEXICAN-AMERICAN LITERATURE
IN ENGLISH****3 Units**

Prerequisite: Satisfactory score on placement test or consent of instructor.
3 hours lecture weekly.

Critical analysis in seminar form of Mexican-American literature. Concern is to present a point of view from the artistic eyes of the Mexican-American. Discussions will emphasize a cross cultural examination of poetry, prose, fiction and non-fictional works. The class will have an opportunity to experience and discuss pertinent ideas and feelings which best lend realism to the literature in question.

Equivalent to Mex-Amer. 201, SFVSC
Accepted for credit, UC (all branches)

Engl 46 - AFRO-AMERICAN LITERATURE**3 Units**

Prerequisite: None
3 hours lecture weekly.

Critical analysis in seminar form of Afro-American literature. Concern is to present a point of view from the artistic eyes of the Afro-American. Selected major figures from both the 19th and 20th centuries will be covered, with emphasis given to the most recent authors. The class will have an opportunity to experience and discuss pertinent ideas and feelings which best lend realism to the literature in question.

Equivalent to Afro-American 230, SFVSC
Accepted for credit, UC (all branches)

Engl 47 - MAGAZINE EDITING**3 Units**

Prerequisites: Engl 1 or consent of instructor
2 hours lecture, 3 hours laboratory weekly

This is a course in the analysis, development, composing and layout of magazines or similar publications. Emphasis is given to coordinating feature stories and related articles with attractive pictorial displays. Instruction is also given in the graphic arts as related to the magazine production. (Co-numbered Journ 11A-B)

ENGLISH TUTORIAL PROGRAM**Engl 48A-B COMMUNICATION SKILLS PRACTICUM****1-3 Units**

Prerequisites: Permission of instructor
6 - 18 hours weekly

During the first year, on-the-job training without financial compensation in the Communication Skills Center as an instructor's aide, under the continuous direction and supervision of a college English/Reading instructor. Prior to enrollment in the course, the student must meet with the instructor for approval and assignment to this class and must pass a basic proficiency test in Communication Skills.

**Engl 49A-B DIRECTED WORK EXPERIENCE IN
COMMUNICATION SKILLS****1-3 Units**

Prerequisites: Engl 48A or B and permission of instructor
5 - 15 hours weekly

During the second year, after successful completion of the previous units, on-the-job training in the Communication Skills Learning Center as an instructor's aide, under the continuous direction and supervision of a college English/Reading instructor. Prior to enrollment in the course, the student must meet with an English or Reading instructor for approval and assignment to this class.

ENVIRONMENTAL SCIENCE

Faculty: Byron Edde, Robert Miller, Jack Reynolds,
Eugene Berg

Env Sci 1 - ENVIRONMENTAL SCIENCE I**4 Units**

Prerequisites: Satisfactory score on placement test
3 hours lecture, 3 hours laboratory weekly.

A discussion of current problems relating to physical and biological science with emphasis on those problems that deal with man and his environment, including such topics as energy resources, food, populations, pesticides, water, air and weather. Students will work with equipment used in fields of pollution. (Physical Science credit)

Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

Env Sci 2 - ENVIRONMENTAL SCIENCE II**4 Units**

Prerequisites: Satisfactory score on placement test
3 hours lecture, 3 hours laboratory weekly.

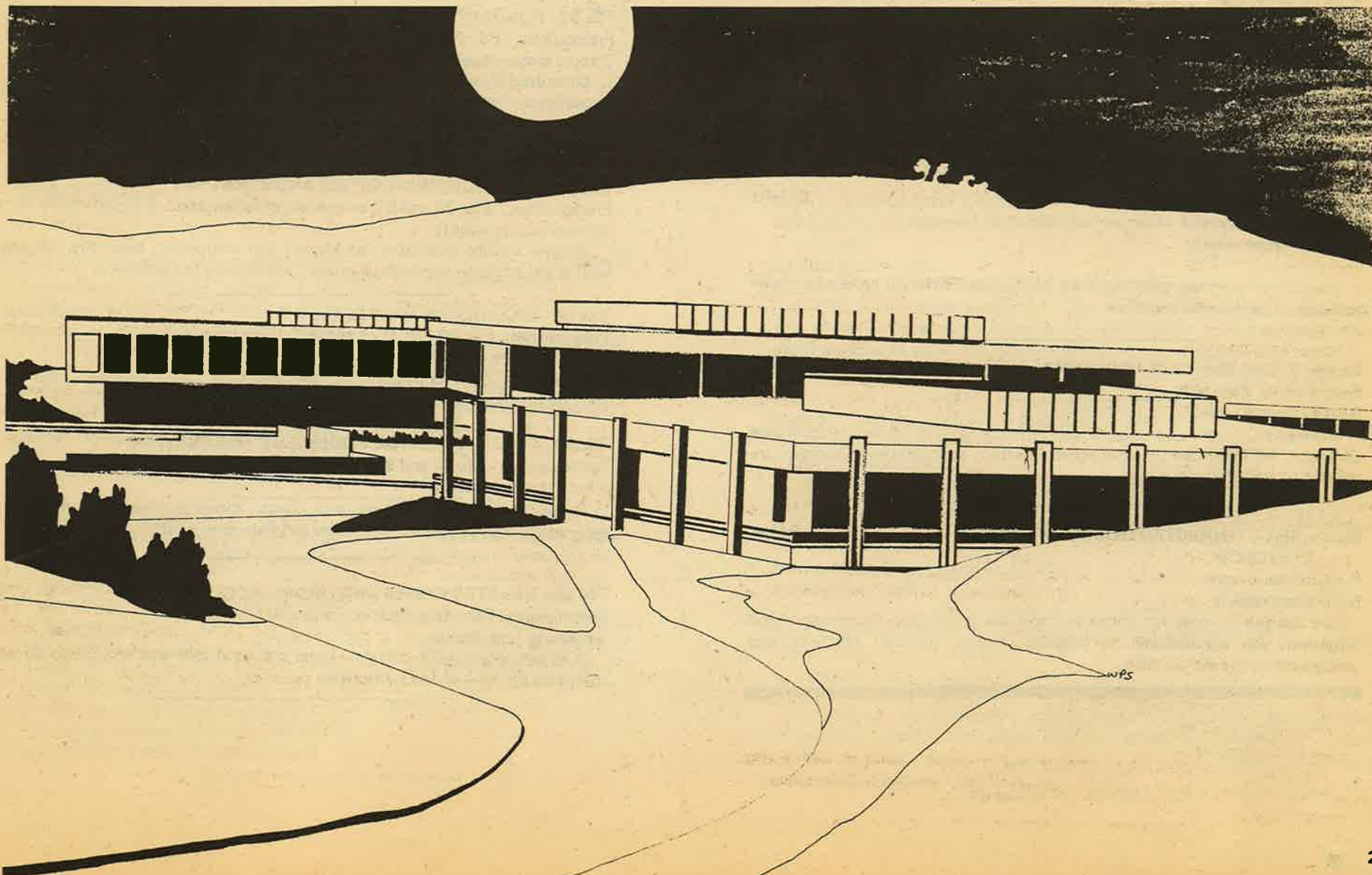
Relationship between man and his environment in an industrialized culture. Emphasis is upon the biological principles involved in human ecology. Living systems/energy use; man's effect upon the land, noise impact on organism response, conservation, recreation and niche needs are main topics.

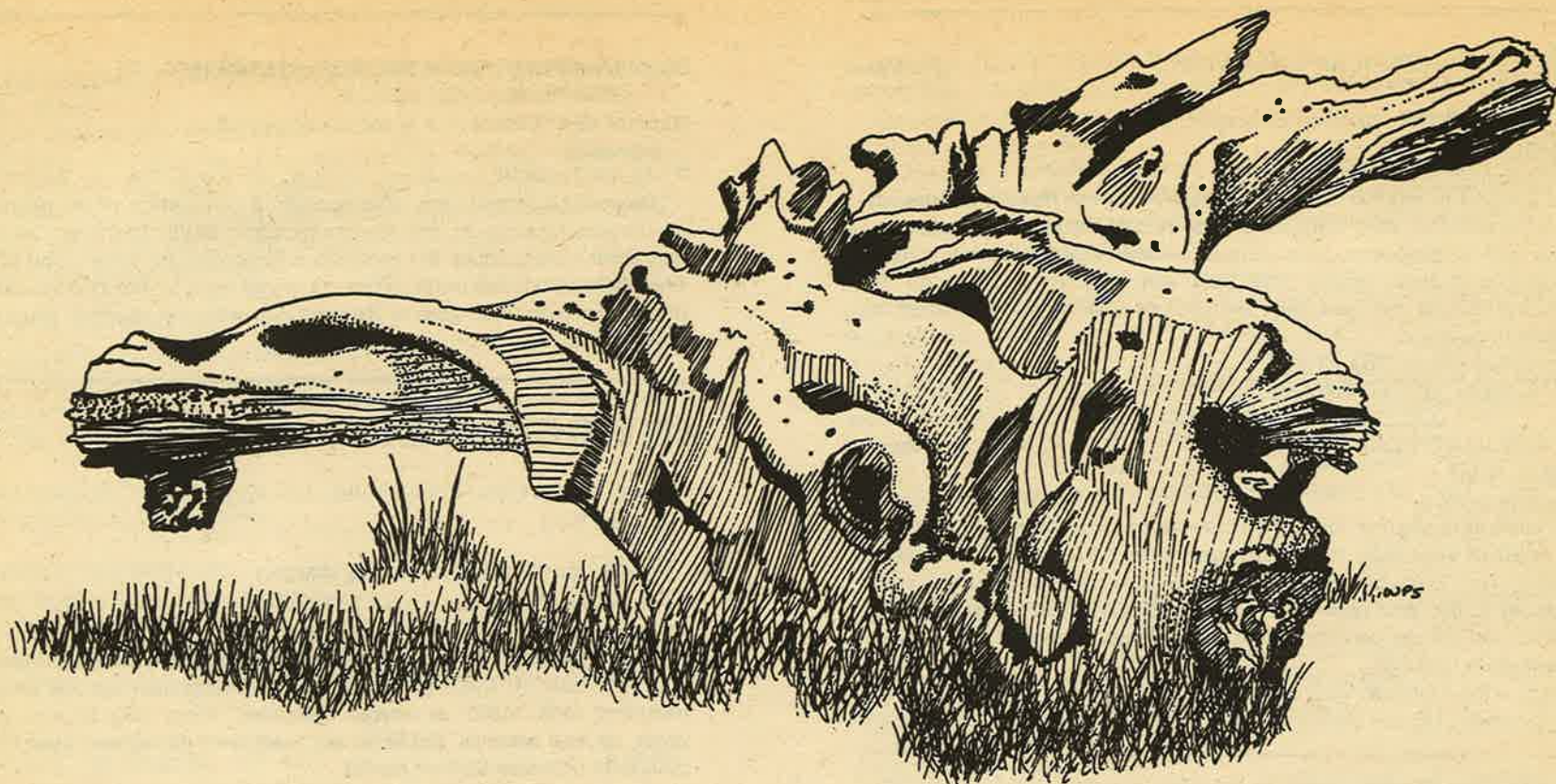
Equivalent to Biol 220, SFVSC
Accepted for Credit, UC (all branches)

ENVIRONMENTAL TECHNOLOGY**Env Sci 10 - INTRODUCTION TO ENVIRONMENTAL SCIENCE****4 Units**

Prerequisites: None
3 hours lecture, 3 hours laboratory weekly

A discussion of current environmental problems facing the world today with special emphasis on populations, food production and pollution, including air, water, solid, refuse, thermal and noise pollution.





Env Tech 10A - WATER DISTRIBUTION SYSTEMS

3 Units

Prerequisites: None
3 hours lecture weekly

Introduction to water distribution systems. Water sources and quality; definitions; water system characteristics; operational mathematics; pipe installation and maintenance; meters; pumps and motors; safety; public relations. Prepares student for American Water Works Association Grade IV examination.

Env Tech 10B - WATER DISTRIBUTION SYSTEMS II

3 Units

Prerequisites: Env Tech 10A or AWWA Grade IV Certificate
3 hours lecture weekly

Intermediate water distribution systems; designed to prepare the student for the AWWA Grade III Distribution Systems Operator's examination.

ESCROW

Escrow 1 - PRINCIPLES OF ESCROW

3 Units

Prerequisites: None
3 hours lecture weekly

A basic course in the Methods and Techniques of escrow procedure for various types of business transactions with emphasis on real estate. This course is designed to introduce the student to the field of escrow.

Escrow 2 - ESCROW PRACTICES

3 Units

Prerequisites: Escrow 1 or consent of instructor
3 hours lecture weekly

An advanced course covering more unusual and different types of escrows and evaluating possible solutions.

Escrow 3 - ESCROW CASE PROBLEMS

3 Units

Prerequisites: Escrow 2
3 hours lecture weekly

Further study of more unusual and difficult types of escrows. Actual case problems are presented and discussed. Conflicts and disputes in escrows are studied.

Escrow 49A-B - DIRECTED WORK EXPERIENCE IN ESCROW

1-3Units

Prerequisites: None
5-15 hours weekly

On the job training for students under the supervision of instructor and employer. An introduction to business policies, program practices, and procedures in the escrow field.

FIRE SCIENCE

FSc 90 - INTRODUCTION TO FIRE PROTECTION

3 Units

Prerequisites: None.
3 hours lecture weekly.

Philosophy and history of fire protection, history of loss of life and property by fire; organization and function of local, county, state, federal, and private fire protection agencies; survey of professional career opportunities.

FSc 91 - INTRODUCTION TO FIRE SUPPRESSION

3 Units

Prerequisites: None.
3 hours lecture weekly.

Characteristics of behavior of fire; fire hazard properties of ordinary materials; extinguishing agents; fire suppression organization and equipment; basic fire fighting tactics; public relations as affected by fire suppression.

FSc 92 - FUNDAMENTALS OF FIRE PREVENTION

3 Units

Prerequisite: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

Organization and function of the fire prevention organization; inspection; surveying and mapping procedures; recognition of fire hazards; engineering a solution of the hazard; enforcement of the solution; public relations as affected by fire prevention.

FSc 93 - FIRE FIGHTING TACTICS AND STRATEGY

3 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

Review of fire chemistry, equipment and manpower, basic fire fighting tactics and strategy; methods of attack; preplanning fire problems.

FSc 94 - HAZARDOUS MATERIALS I

3 Units

Prerequisites: FSc 90 and 91 or consent of instructor
3 hours lecture weekly.

Review of basic chemistry, storage, handling, laws, standards, and fire fighting practices pertaining to hazardous solids, liquids and gases.

FSc 95 - FIRE PROTECTION EQUIPMENT AND SYSTEMS

3 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

Portable fire extinguishing equipment; sprinkler systems; protection systems for special hazards; fire alarm and detection systems.

FSc 96 - RELATED CODES AND ORDINANCES

3 Units

Prerequisite: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

Familiarization with national, state, and local laws and ordinances which influence the field of fire prevention.

FSc 97 - FIRE HYDRAULICS 3 Units

Prerequisites: FSc 90 and 91 or consent of instructor.
3 hours lecture weekly.

Review of basic mathematics; hydraulic laws and formulas as applied to the fire service; application of formulas and mental calculation to hydraulic problems; water supply problems; underwriters requirements for pumps.

FSc 98 - BUILDING CONSTRUCTION FOR FIRE PROTECTION 3 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

Fundamental building construction and design; fire protection features; special considerations.

FSc 99 - FIRE COMPANY ORGANIZATION AND PROCEDURE 3 Units

Prerequisites: FSc 90 and 91 or consent of instructor.
3 hours lecture weekly.

Review of fire department organization; fire company organization; the company officer; personnel administration; communications; fire equipment; maintenance; training; fire prevention; fire fighting company; fire fighting capability; records and reports.

FSc 100 - FIRE APPARATUS AND EQUIPMENT 3 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

Driving laws; driving technique; construction and operation of pumping engines, ladder trucks, aerial platforms, specialized equipment; apparatus maintenance.

FSc 101 - RESCUE PRACTICES 3 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

The human body, emergency care of victims, childbirth, artificial respiration, toxic gases, chemicals and diseases, radioactive hazards, rescue problems and techniques.

FSc 102 - HAZARDOUS MATERIALS II 3 Units

Prerequisites: FSc 90, 91 and 94, or consent of instructor.
3 hours lecture weekly.

A second semester course in hazardous materials covering storage, handling, laws, standards, and fire fighting practices with emphasis on fire fighting and control at the company officer level.

FSc 103 - FIRE INVESTIGATION I 3 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
3 hours lecture weekly.

Introduction to arson and incendiarism, arson laws, and types of incendiary fires; methods of determining fire cause, recognizing and preserving evidence, interviewing and detaining witnesses; procedures in handling juvenile court procedure and giving court testimony.

FSc 49A-B DIRECTED WORK EXPERIENCE 1-3 Units

Prerequisite: Consent of Coordinator
5-15 hours laboratory weekly

On the job training for students under the supervision of instructor and employer. An introduction to fire department policies, program practices, and procedures in the fire service field and related areas.

FRENCH**Fr 1A-B - ELEMENTARY FRENCH** 4-4 Units

Prerequisite: For Fr 1A, consent of counselor; for Fr 1B, Fr 1A or 2 years of high school French with grades of C or better.

5 hours lecture, 1 hour laboratory weekly.

Intensive study of the French Language and culture; special emphasis will be given to the skills and knowledge necessary for speaking and writing French and the unique nature of the people and their history; the language laboratory will be used extensively in the class and students will be expected to arrange an additional hour of language lab time each week.

Equivalent to French 101 and 102, SFVSC
Accepted for credit, UC (all branches)

Fr 2A-B - INTERMEDIATE FRENCH 4-4 Units

Prerequisite: For Fr 2A, Fr 1B or 3 years of high school French with grades of C or better; for Fr 2B, Fr 2A or 4 years of high school French with an equivalent fluency.

5 hours lecture, 1 hour laboratory weekly

Further study of spoken and written French and of French culture; development of ability to read with greater ease by study and discussion in French of representative literary works; continued emphasis on oral and written expression. All students will be expected to spend an additional hour of study per week in the language laboratory. (Fr 2A - F, Fr 2B - S)

Equivalent to French 201 and 202, SFVSC
Accepted for credit, UC (all branches)

Fr 4 - CONTEMPORARY FRENCH LITERATURE IN TRANSLATION 3 Units

Prerequisites: None
3 hours lecture weekly

Readings in contemporary French literature (Camus, Sartre, Ionesco, Proust). (Co-Number Engl 27)

Fr 22A-B - DIRECTED STUDIES IN FRENCH 1-3/1-3 Units

Prerequisites: A course in the specific field and consent of instructor and Division Chairman

1-3 hours lecture weekly (tutorial)

Designed for selected students who are interested in furthering their knowledge of French on an independent basis. Assigned problems will involve library and field work. Maximum of 6 units.

Maximum credit, one course, UC (all branches)

Maximum 3 units credit, SFVSC

(See English 1 offerings for courses covering French literature in English translation)

GENERAL STUDIES**Gen St 1 - THE ART OF INVESTIGATION** 3 Units

Prerequisites: Satisfactory score on placement test.
3 hours lecture weekly.

An interdisciplinary course intended to introduce students to the various investigative techniques employed by natural and social scientists and the arts. Students are provided with an opportunity to gain a working familiarity with some of the characteristic methodologies employed by investigators in these fields.

Accepted for credit, UC (all branches)

GEOGRAPHY**Geog 1 - ELEMENTS OF PHYSICAL GEOGRAPHY** 3 Units

Prerequisite: Satisfactory score on placement test
3 hours lecture weekly.

A study of the physical elements of geography, hydrography, land forms, vegetation, and climate; their interrelationships, pattern of distribution on a world scale, and the mutual relationships which exist between man and his physical environment, including ecology and its social ramifications. Map reading and interpretation emphasized. Field trips will be required. (F)

Equivalent to Geog 101, SFVSC

Accepted for credit, UC (all branches)

Geog 2 - ELEMENTS OF CULTURAL GEOGRAPHY 3 Units

Prerequisite: Satisfactory score on placement test.
3 hours lecture weekly.

Introduction to the broad field of geography—its objectives, principal divisions, basic principles, and applications to present-day world problems, understanding human society in relation to the earth environment with emphasis on the cultural elements; geographic analysis of the major world regions. Field trips will be required. (F)

Equivalent to Geography 150, SFVSC

Accepted for credit, UC (all branches)

Geog 3 - GEOGRAPHY OF WORLD AFFAIRS 3 Units

Prerequisites: Satisfactory score on placement test or consent of instructor

3 hours lecture weekly.

A survey of world geography emphasizing the regions, people, and economic activities characteristic of the major political areas of the world. This course is designed for students who desire to improve their understanding of how world affairs are affected by the way man occupies the earth.

Equivalent to Geog 181, SFVSC

Geog 5 - INTRODUCTION TO METEOROLOGY 3 Units

Prerequisite: None

3 hours lecture weekly.

Introduction to meteorological phenomena; energy, atmospheric circulation, precipitation, interrelationships between land, sea and atmosphere. Introduction to meteorological instrumentation and reporting. Interpretation of data. (Co-number Phys Sci 5)

Equivalent to Geography 103, SFVSC

Accepted for credit, UC (all branches)

Geog 6 - INTRODUCTION TO METEOROLOGY LABORATORY 1 Unit

Prerequisites: Phy Sc 5/Geog 5

Concurrent or consent of instructor

3 hours laboratory weekly

Laboratory to accompany Geog 5. Introduction to Meteorological observation; cloud identification, instrumentation; interpretation of weather charts and data; weather system identification and analysis. Field trips required. (Co-number Phy Sci 6)

Geog 9 - ENVIRONMENTAL DESIGN: URBAN GEOGRAPHY 3 Units

Prerequisites: Satisfactory score on placement test; a course in Political Science or Sociology

3 hours lecture weekly

A social science elective, general education course. Study and analysis of the process of urbanization. Population patterns, regional analysis, general land use patterns, and their inter-relationships as well as their correlations with the physical and cultural elements will be included. Emphasis will be on the principles and techniques of land-use planning in urban areas.

Equivalent to Urban Studies 250, SFVSC

Accepted for credit, UC 9

Accepted for credit, UC (all branches)

Geog 10 - GEOGRAPHY OF CALIFORNIA 3 Units

Prerequisites: None

3 hours lecture weekly.

An examination of the inter-relationships between the physical and cultural elements of geography as they occur in California's diversity of landscapes. Special attention will be given to the local region. Field trips will be required.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Geog 11 - TRAVEL GEOGRAPHY 3 Units

Prerequisites: None

3 hours lecture weekly.

An examination of the various regions of the world in terms of their attractions, both natural and cultural, for travelers. Attention will be given to both well-known and little-known attractions. Context organization will be based on student interests and experiences. (S) Not designed for transfer.

Geog 13 - TWENTIETH CENTURY WORLD GEOGRAPHY 3 Units

Prerequisites: None

3 hours lecture weekly.

Exploration of the world in the last third of the 20th Century. Emphasis on the where of what is happening in the world, people and events. Not designed for transfer. (F)

Geog 22 A-B - DIRECTED STUDIES IN GEOGRAPHY 1-3/1-3 Units

Prerequisites: A course in the specific field with a recommending grad and consent of instructor and Division Chairman.

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of geography on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units. Maximum credit allowed 3 units, SFVSC

GEOLOGY

Geol 2 - PHYSICAL GEOLOGY 3 Units

Prerequisites: None

3 hours lecture weekly

Materials and structure of the earth; origin and development of land forms; principles and processes of Geology including erosion and sedimentation; volcanic, glacial and earthquake activity; introduction to oceanography. Field trips. For lab take Geo 2L (optional) (F,S)

Equivalent to Geology 101, SFVSC

Accepted for credit, UC (all branches)

Geol 2L - PHYSICAL GEOLOGY LABORATORY 1 Unit

Prerequisite: Geol 2 or concurrent

3 hours lecture - laboratory weekly.

Identification of common minerals and rocks. Introduction to topographic, aerial and geologic maps. (Not open to students who have taken Geol 31) (F,S)

Equivalent to Geology 101L, SFVSC

Accepted for credit, UC (all branches)

Geol 3 - HISTORICAL GEOLOGY 3 Units

Prerequisites: None

3 hours lecture weekly.

Geologic history of the earth and evolution of life as revealed in the fossil record, with emphasis on the North American continent; origin of the universe and continental drift theories; elementary problems in paleontology, stratigraphy, structure and geologic mapping. Field trips. (F,S - alternate semesters)

Equivalent to Geology 102, SFVSC

Accepted for credit, UC (all branches)

Geol 15 - MINERALOGY AND CRYSTALLOGRAPHY 3 Units

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

Introduction to crystal systems; identification of 100 common metallic and non-metallic minerals and ores by physical methods; mineral occurrence, association and genesis. Introduction to petrographic microscopy. (F - alternate years)

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Geol 16 - PETROLOGY 3 Units

Prerequisites: Mineralogy and 3 additional units in Geology

2 hours lecture, 3 hours laboratory weekly.

Origin, occurrence and identification of 100 common igneous, sedimentary and metamorphic rocks in hand and field specimens. Introduction to thin-section microscopy. Field trips. (S - alternate years)

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Geol 21 - GEOLOGY OF CALIFORNIA 3 Units

Prerequisites: A previous course in Geology

3 hours lecture weekly.

Study of the geomorphic provinces of California, including topograph, structure, geologic history, lithology and mineral resources. Field project required. Field trips. (F,S - alternate semesters)

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Geol 22A-B - DIRECTED STUDIES IN GEOLOGY 1-3/1-3 Units

Prerequisites: Consent of instructor and Division Chairman

1-3 hours tutorial weekly.

Directed studies for Geology majors and minors. Maximum of six units.

3 units maximum accepted, SFVSC

3 units maximum accepted, UC (all branches)

Geol 31 - ROCKS, MINERALS AND MAPS 2 Units

Prerequisites: None

2 hours lecture, 1 hour laboratory weekly.

Identification, classification, origin and occurrence of common rocks and minerals in hand and field specimens; The use and interpretation of topographic, aerial and geologic maps. All day field trips. (F,S)

Accepted for credit SFVSC

Accepted for credit, UC (all branches)

Geol 33 - INTRODUCTION TO GEOLOGIC MAPPING 2 Units

Prerequisites: 4 units of Geology, including Geol 2L

1 hour lecture, 3 hours field & laboratory weekly

Introduction to methods used in Geologic Mapping, including use of Brunton Pocket Transit, Alidade, Plane Table, etc. Each team of students will prepare a geologic map and geologic report of a limited area in the Moorpark Vicinity. (S - alternate years)

Accepted for credit, UC (All branches)

Geol 41 - GEOLOGY OF THE NATIONAL PARKS AND MONUMENTS 3 Units

Prerequisites: None

3 hours lecture weekly.

Survey of the physical and historical geology of the national parks and monuments with emphasis on western America. Written report required. Field trips. Not open to students who have had Geol. 2. (F, S - alternate semesters)

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Geol 51 - WESTERN FIELD GEOLOGY 1-3 Units

Prerequisites: A previous course in geology and/or consent of instructor

Lecture and Field trip - variable

Field studies and discussion of geologic processes as exemplified at various localities. Time and place to be announced.

GERMAN

Ger 1A-B - ELEMENTARY GERMAN 4-4 Units

Prerequisite: For Ger 1A, consent of counselor; for Ger 1B, Ger 1A or 2 years of high school German or an equivalent fluency

5 hours lecture, 1 hour laboratory weekly

Intensive study of the German Language and culture; special emphasis will be given to the skills and knowledge necessary for speaking and writing German and the unique nature of the people and their history; the language laboratory will be used extensively in the class and students will be expected to arrange an additional hour of language lab time each week.

Equivalent to German 101 and 102, SFVSC

Accepted for credit, UC (all branches)

Ger 2A-B - INTERMEDIATE GERMAN 4-4 Units
Prerequisite: For Ger 2A, Ger 1B or 3 years of high school German with grades of C or better or equivalent fluency; for Ger 2B, Ger 2A or 4 years of high school German
5 hours lecture, 1 hour laboratory weekly
Further study of spoken and written German and of German culture; development of ability to read with greater ease by study and discussion in German of representative literary works; continued emphasis on oral and written expression. All students will be expected to spend an additional hour per week of study in the language laboratory.
Equivalent to German 201 and 202, SFVSC
Accepted for credit, UC (all branches)

Ger 22A-B - DIRECTED STUDIES IN GERMAN 1-3/1-3 Units
Prerequisite: A course in the specific field and consent of the instructor and Division Chairman
1-3 hours lecture weekly (tutorial)
Designed for selected students who are interested in furthering their knowledge of German on an independent study basis. Assigned problems will involve library and field work. Maximum of 6 units. (F,S)
3 units maximum allowed, SFVSC
1 course maximum, UC (all branches)
(See English 1 offerings for courses covering German literature in English Translation.)

GOVERNMENT ADMINISTRATION

GA 20 - INTRODUCTION TO GOVERNMENT ADMINISTRATION 3 Units
Prerequisites: None
3 hours lecture weekly
An introduction to the elements, principles, and trends in public administration; government and the administrative processes as a means of accomplishing public goals.

GA 21 - GOVERNMENT PERSONNEL ADMINISTRATION 3 Units
Prerequisites: GA 20 or consent of department head
3 hours lecture weekly
Study of principles and practices of personnel management; the procurement, development, maintenance, and use of an effective work force.

GA 22A-B - DIRECTED STUDIES IN GOVERNMENT ADMINISTRATION 1-3/1-3 Units
Prerequisites: A course in the specific field and permission of coordinator and Division Chairman
1-3 hours tutorial weekly
Designed for selected students who are interested in furthering their knowledge of government administration on an independent study basis. Assigned problems will involve library, laboratory and field work. Maximum of 6 units.

GA 23 - ELEMENTS OF GOVERNMENT FINANCE 3 Units
Prerequisites: None
3 hours lecture weekly
A non-technical introduction to the elements of public finance; the fiscal processes of financing public improvements in an equitable and efficient manner without loss of growth.

GA 24 - PLANNING, PROGRAMMING, BUDGETING SYSTEMS 3 Units
Prerequisites: GA 20 and 23
3 hours lecture weekly
An explanation of a systems approach designed to accommodate the multiple functions of budgeting in public service.

GRAPHIC COMMUNICATIONS

GC 1A - INTRODUCTION TO GRAPHIC COMMUNICATIONS 3 Units
Prerequisites: None
3 hours lecture weekly.
An orientation to the concepts in Graphic Communications with an overview of printing practices, design, layout, composition, press work, binding, process camera, and related items. Accepted for Credit, Cal Poly SLO

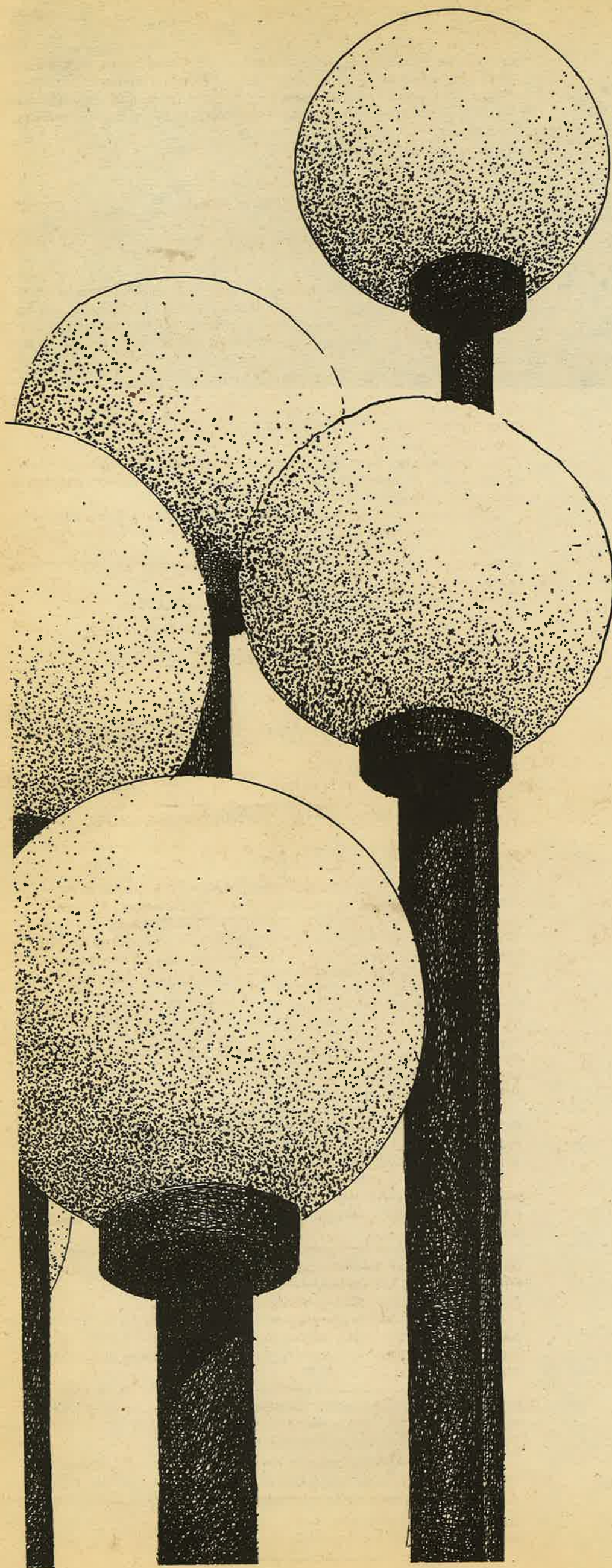
GC 2 - DUPLICATING PROCESSES 2 Units
Prerequisites: Satisfactory score on placement test.
6 hours lab weekly.
Characteristics and operation of duplicators, including spirit, stencil, scanner, offset duplicators, thermofax, ozalid reproduction and dry copying. Practice in the use of multi-color duplication, and the preparation of overhead transparencies.

GC 4 - LAYOUT AND DESIGN TECHNIQUES 3 Units
Prerequisites: None
2 hours lecture, 3 hours laboratory weekly.
Fundamentals of layout and design for graphic reproduction including the principles of design, and the techniques of layout and paste-up. Preparation of line and tone copy for offset reproduction. Designing roughs and visuals and preparation of single and multi-color mechanicals for use in commercial and publication printing. Study of the point system, type identification and copy markup systems. (Conumbered Journ 7)
Accepted for Credit, Cal Poly SLO

GC 5A-B - COPY PREPARATION AND COMPOSING SYSTEMS 3,3 Units
Prerequisites: GC 1, Buş 11B, and consent of instructor
2 hours lecture, 3 hours laboratory weekly.
Practical work in the operation of the IBM MT/SC cold-type setting machine, plus work with Varsity, composer and Headliner systems. Specific instruction is given in newspaper, textbook, magazine, and other commercial composing work.

GC 6A - PROCESS CAMERA 3 Units
Prerequisites: GC 1 or consent of instructor
2 hours lecture, 3 hours laboratory weekly.
Characteristics of photographic materials for the graphic arts. Theory and practice in the use of gallery camera for the production of line and half-tone negatives, densitometry, sensitometry. Applications for special process screens. Accepted for credit, Cal Poly SLO

GC 6B - ADVANCED PROCESS CAMERA 3 Units
Prerequisites: GC 6A, or consent of instructor
2 hours lecture, 3 hours laboratory weekly.
Advanced theory and practice of the Gallery camera for the production of half-tone negatives, especially duotones and tritones, rescreening, advanced densitometry and sensitometry, introduction to retouching, dot etching and color separation photography.
Accepted for credit, Cal Poly SLO



GC 7 - STRIPPING AND PLATE MAKING **3 Units**

Prerequisites: GC 6A, or consent of instructor
2 hours lecture, 3 hours laboratory weekly.

Planning for lithographic press plates. Ruling, scribing, opaquing, and retouching negatives, preparation of supports for stripping, layout and assembly of stripped flats. Selection, care and making of pre-sensitized and deep etch lithographic plates. Proofing techniques.
Accepted for Credit, Cal Poly SLO

GC 8A - LITHOGRAPHY **3 Units**

Prerequisites: GC 1 or consent of instructor
2 hours lecture, 3 hours laboratory weekly.

Theory and practice in the use of single-color sheet-fed off-set presses. Sheet feeders, printing units, inking units, dampening units and deliveries. characteristics of paper and inks for offset photography.

GC 8B - ADVANCED LITHOGRAPHY **3 Units**

Prerequisites: GC 8A, or consent of instructor
2 hours lecture, 3 hours laboratory weekly.

Survey of single and multi-color sheet-fed offset presses. Emphasis in process color printing and precision control of inking and dampening. Practice in quality control.
Accepted for credit, Cal Poly SLO

GC 9 - GRAPHIC COMMUNICATIONS LABORATORY **1-2 Units**

Prerequisites: Consent of instructor
3-6 hours laboratory weekly.

Practice in production of offset printing, planning, typesetting, copy preparation, camera, preparation of plates, presswork, bindery and finishing. Major emphasis on printing estimates.
Accepted for Credit, Cal Poly SLO

GC 11A - SILK SCREEN PRINTING PROCESSES **2 Units**

Prerequisites: GC 1 or consent of instructor
1 hour lecture, 3 hours laboratory weekly

Silk screen process reproduction methods with applications to industry and communications. Includes paper, tusche and glue, knife-cut and photographic stencils, printing mediums, surfaces, and industrial applications such as printed circuits and packaging.

GC 11B - ADVANCED SILK SCREEN PRINTING PROCESSES **2 Units**

Prerequisites: GC 11A or consent of instructor
1 hour lecture, 3 hours laboratory weekly

Advanced techniques of silk screen printing with emphasis on individual experiences. Exploration of production procedures. Creative, artistic utilization of the various screen stencils.

GC 20A - COMMERCIAL DESIGN **3 Units**

Prerequisites: Eligibility for English 1 or consent of instructor

2 hours lecture, 3 hours laboratory weekly.

Emphasis on typographic design and experimental media as they affect Graphic Communications. Includes logotype concepts, letterheads, poster design, book jackets, magazine and book layouts.
Accepted for Credit, Cal Poly SLO

GC 21 - LETTERING AND TYPOGRAPHY **2 Units**

Prerequisites: Eligibility for English 1 or consent of instructor

1 hour lecture, 3 hours laboratory weekly.

Basic lettering with pen and brush, constructed letters in Gothic, Roman, Italic, Script, Text and Modern Type faces. Emphasis on essentials underlying character form and distribution on the pages for layouts.
Accepted for Credit, Cal Poly SLO

GC 22A-B - DIRECTED STUDIES IN GRAPHIC COMMUNICATIONS **1-3/1-3 Units**

Prerequisites: A course in the specific field and the consent of division chairman
1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of graphic communications on an independent study basis. Assigned problems will involve library, laboratory and field. Maximum of 6 units.

GC 23A - ADVERTISING DESIGN **2 Units**

Prerequisites: Eligibility for English 1 or consent of instructor

1 hour lecture, 3 hours laboratory weekly.

Experiences in rendering, lettering, type specifications and figure indication which lead into advertisement layouts and their translation into pasteup and camera-ready art. Comprehensive presentations; flat ads; packaging; point-of-sale displays; development of a photographic unit.

GC 24A - PERSPECTIVE AND RENDERING 2 Units
 Prerequisites: Eligibility for English 1 or consent of instructor
 1 hour lecture, 3 hours laboratory weekly.
 Study of one-, two-, and three-point black and white perspective drawing of objects; shading; free-hand sketching; and rendering. Media shall include pen and pencil.

GC 49 A-B - DIRECTED WORK EXPERIENCE IN GRAPHIC COMMUNICATIONS 1-3 Units
 Prerequisites: Consent of instructor
 5 - 15 hours laboratory weekly
 On-the-job training for students under the supervision of instructor and employer in the field of Graphic Communications.

HEALTH SCIENCE

HS 1 - HEALTH AND SOCIETY 2 Units
 Prerequisites: None
 2 hours lecture weekly.
 Consideration of the nature and function of health in our social pattern. An analysis of major health problems designed to contribute to the student's understanding of his role as an individual and as a contributing member of the community's efforts to implement the advances of medicine and the health sciences.
 Equivalent to Health 120, SFVSC

HS 4 - FAMILY HEALTH AND HOME NURSING 3 Units
 Prerequisites: None
 3 hours lecture weekly.
 This course consists of studying recent national trends in family health, identification and treatment of common diseases in the home; equipment, foods, and first aid methods for treating diseases, drug use, accidents and conditions involving handicapped individuals and pregnancy; and methods of preventative care against diseases in families. (Co-number: HE 26).
 Accepted for credit, SFVSC

HS 5 - SAFETY AND FIRST AID 2 Units
 Prerequisites: None
 2 hours lecture weekly.
 The development of positive attitudes toward safety and the application of the concepts of "What constitutes safe living," the prevention of shock, unconsciousness, poisons, fractures, dressings and bandages, care and treatment of athletic injuries. Successful completion of this course qualifies for the standard or the advanced "American Red Cross First Aid to the Injured" certificate.
 Equivalent to Health 160, SFVSC

HS 6 - THE TRAINER & ATHLETIC INJURIES 2 Units
 Prerequisites: None
 1 hour lecture, 3 hours laboratory weekly
 An introductory course in the basic concepts and skills of the Athletic Trainer. Training room practice, medical aspects of Athletic Training, athletic therapy modalities, strength, conditioning and rehabilitation and diagnostic techniques. Practical experience is provided in taping and for the prevention and care of the athletically injured.

HISTORY

Hist 1A - AN INTRODUCTION TO WESTERN CIVILIZATION* 3 Units
 Prerequisites: Satisfactory score on placement test.
 3 hours lecture weekly.
 A survey of important events and developments in western civilization from prehistory through the sixteenth century; readings and discussions on important ideas, institutions, and contributions. (F)
 *This course may be counted for Social Science or Humanities State College General Education requirements.
 Equivalent to History 150, SFVSC
 Accepted for credit UC (all branches)

Hist 1B - AN INTRODUCTION TO WESTERN CIVILIZATION* 3 Units
 Prerequisite: Satisfactory score on placement test.
 3 hours lecture weekly.
 A survey of important events and developments in western civilization from the seventeenth century to modern times; continued readings and discussions on important ideas and institutions. (F)
 *This course may be counted for Social Science or Humanities State College General Education elective credit.
 Equivalent to History 151, SFVSC
 Accepted for credit UC (all branches)

Hist 3 - AFRO-AMERICAN HISTORY 3 Units
 Prerequisites: None
 3 hours lecture weekly.
 Analysis of the history of the Negro in the United States, with special emphasis on contemporary implications on historical events. This course points out the major roles played and contributions made both collectively as a people and as specific individuals in the development of the United States of America.
 Accepted for credit, SFVSC
 Accepted for credit, UC (all branches)

Hist 4 - HISTORY OF THE MEXICAN PEOPLE IN THE SOUTHWEST 3 Units
 Prerequisites: Satisfactory score on placement test or consent of instructor
 3 hours lecture weekly.
 A survey of the history of the Mejjicano from the pre-Columbian period to the present. Emphasis will be on the Mexican settlement of the region and the contributions of the Mejjicano to the development of the five Southwestern states (Arizona, California, Colorado, New Mexico and Texas). (F,S) (Co-numbered MAS 4)
 Accepted for credit, UC (all branches)

Hist 5 - UNITED STATES HISTORY 3 Units
 Prerequisites: Satisfactory score on placement test.
 3 hours lecture weekly.
 Introduction to important problems, persons, and developments of the major periods of American history; thematic, problematic, and interpretative rather than factual approach.
 This course, which satisfies graduation requirements in U.S. history, is not open to students electing Hist 7A-7B; a student may not earn credit in both Hist 5 and Hist 7A-7B. (F)
 Accepted for credit, SFVSC
 Accepted for credit, UC (all branches)

Hist 7A - SOCIAL AND POLITICAL HISTORY OF THE UNITED STATES 3 Units
 Prerequisite: Satisfactory score on placement test
 3 hours lecture weekly.
 Survey of the creation and development of American Society to 1865. Analysis of the impact of both individuals and groups; evaluation of issues of religion, race, reform, revolution, responsive government, sectionalism, and expansion. (F,S)
 Equivalent to History 270, SFVSC
 Accepted for credit, UC (all branches)

Hist 7B - SOCIAL AND POLITICAL HISTORY OF THE UNITED STATES* 3 Units
 Prerequisite: Satisfactory score on placement test.
 3 hours lecture weekly.
 Political and social adjustment following the Civil War, growth of the West, emergence of America as an industrial and world power, Progressivism, developments of the Twenties and New Deal, World War II, the Truman, Eisenhower, and Kennedy years. The year sequence is required for history majors and recommended for other students who want a thorough survey of the political and social development of the United States; either semester may be taken independently. (F, S)
 Equivalent to History 271, SFVSC
 Accepted for credit, UC (all branches)

Hist 8 - HISTORY OF CALIFORNIA 3 Units
 Prerequisites: Satisfactory score on placement test.
 3 hours lecture weekly.
 A survey of the Indian, Spanish, Mexican, and American periods of California with consideration of political and cultural developments.
 Accepted for credit, SFVSC
 Accepted for credit, UC (all branches)

***Hist 9A - HISTORY OF THE AMERICAS** 3 Units
 Prerequisites: Satisfactory score on placement test or consent of instructor
 3 hours lecture weekly.
 A study of Spanish, Portuguese, French and English conquest, exploration and colonization of the new world, and the main developments in Colonial life in each area up to independence. (F)
 Accepted for credit, UC (all branches)

***Hist 9B - HISTORY OF THE AMERICAS** 3 Units
 Prerequisites: Satisfactory score on placement test or consent of instructor.
 3 hours lecture weekly.
 A study of the comparative development of the American nations since independence, considering their constitutions, leadership, religions, relations with each other, and their adjustment to the principle of democracy. (S)
 Accepted for credit, UC (all branches)
 *Hist 9A and Hist 9B combined are equivalent to History 161, SFVSC

Hist 10A-B – AFRICAN HISTORY**3-3 Units**

Prerequisite: Satisfactory score on placement test or consent of instructor.

3 hours lecture weekly.

A survey of African history with attention given to social and economic as well as political aspects of the development of indigenous cultures and the colonial experience.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Hist 15A-B – INTRODUCTION TO THE HISTORY OF ASIA**3-3 Units**

Prerequisite: Satisfactory score on placement test.

3 hours lecture weekly.

Survey of the countries and cultures of Asia and their contact with the Occident; first semester emphasis on the nineteenth century, and second semester emphasis on the twentieth century.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Hist 22AB – DIRECTED STUDIES IN HISTORY**1-3 Units**

Prerequisite: A course in the specific field with a recommending grade and consent of instructor and Division Chairman.

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of history on an independent study basis. Assigned problems will involve library and field work.

3 units maximum credit, SFVSC

Maximum credit, one course, UC (all branches)

HOME ECONOMICS**HE 3 – HOME MANAGEMENT****2 Units**

Prerequisites: None

2 hours lecture weekly.

A study of management and efficient use of time, energy, and materials within the home. Designed to enable the student to plan utilization of resources in terms of goals of families and their individual members. (F)

HE 4 - HOUSEHOLD EQUIPMENT MANAGEMENT LABORATORY 1 Unit

Prerequisites: None

3 hours laboratory weekly.

Selection, use, care and maintenance of materials, surfaces, and mechanical equipment used in the home. Emphasis on selection and experimental testing of equipment and materials.

Accepted for credit, SFVSC

HE 5 - INTERIOR DECORATING**3 Units**

Prerequisites: None. Art 4A is recommended.

3 hours lecture weekly.

Principles and elements of design and color as applied to home interiors. Materials, organization, and arrangement as related to living needs. Offers basic preparation for students who plan to seek employment in the field of interior design. Field trips will be required. (S)

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

HE 10 - NUTRITION**3 Units**

Prerequisites: None

3 hours lecture weekly

A study of foods in relation to body needs with emphasis on better health through improved eating habits. Designed to enable students to plan diets for family members of all ages. (F,S)

Equivalent to HE 207, SFVSC

Accepted for credit, UC (all branches)

HE 11 – FOOD PREPARATION**3 Units**

Prerequisites: HE 10 (or concurrent)

2 hours lecture, 3 hours laboratory weekly.

Selection and preparation of standard food products. Use of imagination is stressed. Students will gain experience in different kitchen environments such as: gourmet, bachelor, young homemakers, apartment and family.

Equivalent to HE 208, SFVSC

HE 14 – BACHELOR FOODS**3 Units**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

Manly pursuits into the field of food preparation. Creativity, space-age cooking, use of "special" ingredients, and barbecue cooking stressed. Practical meal preparation as well as gourmet cooking. Available to male students only.

HE 15 – COOKING CREATIVELY**3 Units**

Prerequisites: Food preparation course in high school or college recommended.

2 hours lecture, 3 hours laboratory weekly.

Use of imagination in preparation of foods and in meal planning. Use of special ingredients stressed, such as cooking with wine, herbs and spices. Experience in dinner preparation from hors d'oeuvre through desserts.



HE 16 – FOREIGN FOOD COOKERY**3 Units**

Prerequisites: Food preparation course in high school or college recommended.

2 hours lecture, 3 hours laboratory weekly.

Techniques and concepts involved in preparation of foods characteristic of foreign countries. Students will gain experience in preparation of foods characteristic of Mexico, Italy, France, Spain, Germany, China, and Japan.

HE 22A-B - DIRECTED STUDIES IN HOME ECONOMICS**1-3/1-3 Units**

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman.

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of home economics on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

3 units maximum, SFVSC

HE 26 – FAMILY HEALTH AND HOME NURSING**3 Units**

Prerequisites: None

3 hours lecture weekly.

This course consists of studying recent national trends in family health, identification and treatment of common diseases in the home; equipment, foods and first aid methods for treating diseases, drug use, accidents and conditions involving handicapped individuals and pregnancy; and methods of preventive care against diseases in families. (Co-number: HS 4)

HE 30 - APPAREL SELECTION AND GROOMING**3 Units**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly

Applications of the principles of design and color harmonies in selection of clothing. Wardrobe and personal grooming and analysis is coordinated pertaining to individual skeletal structure, personality and individual requirements. Exercise and physical movement analysis are integrated into the course with students receiving physical education credit.

Equivalent to HE 170, SFVSC

HE 31 - TEXTILES**2 Units**

Prerequisites: None

2 hours lecture weekly.

A study of textile fibers, their construction, characteristics, finishes, uses and care. Designed to give a basic knowledge of textiles which will help the student in selecting and caring for textiles. (F,S)

Equivalent to HE 161, SFVSC

Accepted for credit, UC (all branches)



HE 32 – CLOTHING CONSTRUCTION**3 Units**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

Psychological, sociological aspects of clothing, clothing construction with emphasis on the commercial pattern, relationship of fabric to design, care of clothing, construction techniques and basic fitting. (F)

Equivalent to HE 162, SFVSC

Accepted for credit, UC (all branches)

HE 35 - FLAT PATTERN DESIGN**3 Units**

Prerequisites: HE 32 or consent of instructor, HE 31

(May be taken concurrently)

2 hours lecture, 3 hours laboratory weekly.

Principles and techniques of constructing the basic pattern, original design and construction of a garment using flat pattern methods. Designed to enable the student to create original patterns and garments of appropriate fabrics.

Accepted for credit, UC (all branches)

HE 36 - ADVANCED PATTERN DESIGN**3 Units**

Prerequisites: HE 35 or consent of instructor

2 hours lecture, 3 hours laboratory weekly.

Designing patterns of any style quickly and accurately. Stress on development of creative ability and quality craftsmanship.

HE 37 – TAILORING**3 Units**

Prerequisite: HE 32 or consent of instructor

2 hours lecture, 3 hours laboratory weekly.

Selection and construction of garments requiring tailoring techniques. Designed to enable the student to select and construct tailored garments of high quality.

HE 39 - CREATIVE STITCHERY**3 Units**

Prerequisites: None

1 hour lecture, 3 hours laboratory weekly

The course would stimulate the creativity of women to design and make handcrafted items for their homes and family and teach the skills required for making and designing these items. Included will be projects in burlap stitchery, needlepoint, patchwork, quilting, doll making, doll clothes tips, crewel stitchery, macrame, crocheting, and decoupage.

HE 49A-B - DIRECTED WORK EXPERIENCE IN HOME ECONOMICS 1-3/1-3 Units

Prerequisites: Consent of instructor and Division Chairman
5 - 15 hours laboratory weekly

On-the-job training for students under the supervision of instructor and employer. An introduction to policies, program practices, and procedures in specific fields. Maximum of 6 units.

HE 51A-B-C - INSTITUTE IN CONSUMER EDUCATION 1-1-1 Units

Prerequisites: None

16 hours lecture each unit

Three short-term lecture series in Consumer education with stresses on (51A) Clothing and Textiles, (51B) Foods, and (51C) Household goods. Designed for homemakers on restricted incomes.

HOTEL AND RESTAURANT

H&R 1 - HOTEL & RESTAURANT ORIENTATION 1 Unit

Prerequisites: None

1 hour lecture weekly.

A lecture course on the organization and job potential of various types of food service establishments. An understanding of the education and experience required of the job positions available from top management down to kitchen helpers.

H&R 10A-B - QUANTITY FOOD PREPARATION 4-4 Units

Prerequisites: None

1 hour lecture, 9 hours laboratory weekly

10A - Basic first course for students interested in quantity food preparation. Provides an introduction to the proper handling of kitchen tools and equipment; also experience in preparing light foods for the public.

10B - Advanced principles and application of quantity food preparation and service in hotels and restaurants; personnel organization and supervision.

H&R 11 - RESTAURANT OPERATIONS 3 Units

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

Principles and practice of operating a restaurant. Covers such areas as location, organization, capital, equipment standards and labor. Experience is given in operating different areas in the cafeteria.

H&R 12 - MENU PLANNING 1 Unit

Prerequisite: None

1 hour lecture weekly.

Examines the basic principles of menu making. Consideration is given to all phases of menu planning, merchandising and control. Factors affecting the planning of a menu will be discussed, including types of operation, seasons of the year, clientele, equipment, and personnel available. (F)

H&R 14 - FOOD PURCHASING 3 Units

Prerequisites: H&R 11, 10A and 10B

3 hours lecture weekly.

This course provides training in the duties, organization, and policies of the purchasing function in a hotel and restaurant establishment. Instruction is given in the proper techniques for purchasing of foods, food standards and appropriate legislation, comparative and competitive buying of meats, staples, vegetables and canned and frozen foods.

H&R 15 - HOTEL AND RESTAURANT SANITATION 1 Unit

Prerequisites: None

1 hour lecture weekly.

This course provides training in the safe and sanitary operation of a food service establishment. In particular, emphasis will be placed on costs, organization, personnel practices, and public regulations concerning sanitation, hygiene, safety, inspection, and grading.

H&R 16 - BEGINNING BAKING 1 Unit

Prerequisites: None

3 hours laboratory weekly.

This course provides instruction to students in the methods and procedures involved in preparing, baking, and decorating a variety of bakery products, including breads, cakes and pastry.

H&R 17 - INSTITUTIONAL FOOD SERVICE 3 Units

Prerequisite: H&R 11

1 hour lecture, 6 hours laboratory weekly.

Principles of operating an Institutional Food Service, a lecture-laboratory situation teaching organization, administration, policies, financing and controls. (S)

H&R 18 - FOOD & BEVERAGE COST CONTROL 3 Units

Prerequisites: H&R 11, H&R 10A and 10B

3 hours lecture weekly.

The basic principles and procedures of effective food and beverage cost control. Sufficient information to enable the students to gain a firm understanding of these principles so he can adapt them to any food and beverage operation.

H&R 19 - FOOD AND BEVERAGE MANAGEMENT AND SERVICES 3 Units

Prerequisites: H&R 10A, 10B and 11

3 hours lecture weekly.

The material in this course is designed to familiarize the student with principles and procedures that have been proven in actual operations. Sufficient background information will be provided to help the student obtain a good grasp of these so that he may apply them most readily to present and future situations.

H&R 22A-B - DIRECTED STUDIES IN HOTEL AND RESTAURANT MANAGEMENT 1-3/1-3 Units

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman.

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of Hotel and Restaurant Management on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

H&R 49A-B - DIRECTED WORK EXPERIENCE IN HOTEL AND RESTAURANT MANAGEMENT 1-3 Units

Prerequisite: Consent of instructor and Division Chairman

5-15 hours laboratory weekly.

On-the-job training for students under the supervision of instructor and employer. An introduction to Hotel and Restaurant Management policies, programs, practices, procedures and operations. Maximum of 6 units. (F,S)

HUMANITIES

Hum 1A-B - MAN IN SOCIETY 6-6 Units

Staff: Taylor Klose, Team Leader; John Davie, James Hannon,

Maxine Tallman

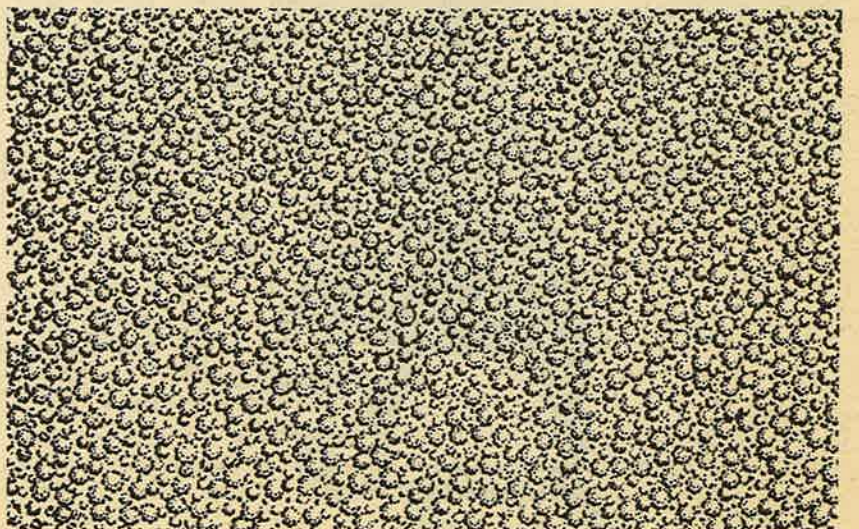
Prerequisite: None

5 hours lecture, 3 hours laboratory weekly.

A general education course designed to increase the student's understanding of the key issues in the social sciences, literature, and the arts. This course is intended to help the student become more aware of his heritage and of the world in which he lives, to make him better able to master his freedom and responsibility in a democratic society, and to improve his skills in oral and written communication.

The class meets for two large group hour-and-a-half presentations consisting of a series of lectures, illustrated talks, films, slide presentations and panel discussions. Each large group presentation is followed by a small discussion section. In conjunction with the discussion section, the student completes 51 hours of laboratory work per semester. This is made up by attendance at plays, lectures, films, political and social events. A field trip is required. Tutorials are scheduled with the faculty members and listening experiences will be scheduled in the Audio-Visual section.

Humanities 1A-B fulfills the A.A. degree graduation requirements in American Institutions, Fine Arts, and English Composition. Acceptable as General Education elective if student successfully completes, in addition, English 1 and a basic course in Social Sciences.



Journ 7 - LAYOUT & DESIGN TECHNIQUES**3 Units**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

Fundamentals of layout and design for graphic reproduction including the principles of design, and the techniques of layout and paste-up. Preparation of line and tone copy for offset reproduction. Designing roughs and visuals and preparation of single and multi-color mechanicals for use in commercial and publication printing. Study of the point system, type identification and copy markup systems. (Co-number GC 4)

Journ 8 - BASIC PHOTO-JOURNALISM**3 Units**

Prerequisites: Photo 1A, or suitable portfolio and consent of instructor

2 hours lecture, 3 hours laboratory weekly

Aspects of photography as applied to mass communication—broadcast and print journalism. Concentration on the translation of ideas to images for reproduction in magazines, newspapers and book illustrations. Special effects and the utilization of camera and light as creative tools. Basic motion picture techniques. (Co-number Photo 8)

Journ 10A-B - NEWSPAPER PRODUCTION*3-3 Units**

Prerequisites: Journ 1, Journ 2 or consent of instructor

2 hours lecture, 3 hours laboratory weekly

This is a course in the concept, development, layout and composition of newspapers. Particular emphasis is given to the practical aspects of all phases of newspaper production. Instruction is also given in the graphic arts. Equivalent to Journ 196, SFVSC

Journ 11A-B - MAGAZINE EDITING**3-3 Units**

Prerequisites: Journ 1, Journ 2 or consent of instructor

2 hours lecture, 3 hours laboratory weekly

This is a course in the analysis, development, composing and layout of magazines or similar publications. Emphasis is given to coordinating feature stories and related articles with attractive pictorial displays. Instruction is also given in the graphic arts as related to the magazine production. (Co-number Engl 47)

Journ 22A-B - DIRECTED STUDIES IN JOURNALISM*1-3/1-3 Units**

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman.

1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of journalism on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units. (F,S)

*A maximum of 5 units from these courses will be accepted for credit at SFVSC

LEADERSHIP**Ldr 1A - PRINCIPLES OF LEADERSHIP****1 Unit**

Prerequisites: None.

1 hour lecture, 1 hour practicum weekly.

The development of effective group leadership through an understanding of the basic tenets of parliamentary procedure. Practical application of parliamentary procedure in the group situation will be emphasized.

Accepted for credit SFVSC

Ldr 1B - PRINCIPLES OF LEADERSHIP**1 Unit**

Prerequisites: None.

1 hour lecture, 1 hour practicum weekly.

The identification of effective leadership and its development; leadership as it relates to the rights and responsibilities of the individual; effective leadership through the understanding of group dynamics.

Accepted for credit SFVSC

LIBRARY TECHNOLOGY**LT 1 - INTRODUCTION TO LIBRARY TECHNOLOGY****3 Units**

Prerequisite: None

3 hours lecture weekly

For students desiring to develop skills in the use of libraries. Includes a study of library tools such as indexes, bibliographies, encyclopedias, dictionaries; arrangement and use of card catalogs, book catalogs; history of libraries, books and printing. (F, S)

LT 2 - LIBRARY CIRCULATION PROCEDURES**3 Units**

Prerequisite: LT 1 or consent of instructor

2 hours lecture, 3 hours laboratory weekly

A study of all aspects of library circulation work, including loaning of materials, processing of returned materials, shelving, shelf-reading, preparation of books and periodicals for binding, fine collection and record keeping, putting books on reserve, and other loan procedures and services. (S)

LT 3 - ADVANCED LIBRARY CLERICAL TECHNIQUES 3 Units

Prerequisite: LT 1 and LT 2 or consent of instructor
2 hours lecture, 3 hours laboratory weekly
Study of procedures and techniques in book ordering, book preparation for the shelves, and elementary cataloging and classification. (F)

LT 4 - AUDIO-VISUAL CLERICAL TECHNIQUES 3 Units

Prerequisite: None
2 hours lecture, 3 hours laboratory weekly
Study of the functions of audio-visual equipment and materials and their use; procedures used in purchasing, renting and scheduling of films, slides, transparencies, and other audio-visual items. (S)

LT 5 - AUDIO-VISUAL FOR THE LIBRARY 2 Units

Prerequisites: None
2 hours lecture weekly
Study of the functions of audio-visual equipment and materials and their use; procedures used in the purchasing, rental and scheduling of films, slides, transparencies, tapes, recording and other audio-visual items. Not open to students completing LT 4.

LT 6 - CHILDREN'S LITERATURE 3 Units

Prerequisites: None
3 hours lecture weekly
Study of the books, periodicals, and other library materials suitable for children of the elementary school age. Reference books suitable for the lower grades, picture books, fiction, non-fiction, folk tales, story telling, books made into films and other materials will be examined in depth. (F,S)

LT 48 - LIBRARY INTERNSHIP 2-3 Units

Prerequisites: LT 1 or equivalent and consent of instructor
1 hour lecture, 3-6 hours laboratory weekly
Supervised work in an approved library. (F,S)

MATHEMATICS

Math 1A-B - ELEMENTARY ALGEBRA 3-2 Units

Prerequisites: Math 9C or high school general math
5 hours lecture weekly.
Student will simultaneously enroll in both Math 1A and 1B.
Math 1A - The real numbers, its properties and operation, linear equations and inequalities, linear systems, and operations with polynomials.
Math 1B - Techniques of factoring, roots and radicals, more rational numbers and rational expressions and the quadratic equation.

Math 2 - FUNDAMENTALS OF GEOMETRY 3 Units

Prerequisites: Math 1B or one year of high school algebra;
3 hours lecture weekly.
Selected topics including lines, parallel and perpendicular lines, properties of triangles, congruence and similarity of triangles, polygons, circles, coordinate systems, planes, surfaces and areas, spheres, cylinders, volumes, 3-dimensional coordinate systems, elementary triangle trigonometry. (F,S)

Math 3 - INTERMEDIATE ALGEBRA 4 Units

Prerequisite: Math 1B (Math 2 may be taken concurrently) or one year of high school algebra
4 hours lecture weekly.
Real numbers, fundamental operations, factoring, fractions, linear equations and inequalities, exponents and radicals, functions and graphs, quadratic equations, sequences and series, exponential and logarithmic functions, probability. Equivalent to second year high school algebra. (F,S)
Accepted for credit, SFVSC

Math 7 - COLLEGE ALGEBRA AND TRIGONOMETRY 5 Units

Prerequisites: Math 2 and Math 3 or plane geometry and one and one-half year of high school algebra.
5 hours lecture weekly.
An integrated course in college algebra and trigonometry designed to prepare the student for calculus with analytic geometry. Real number systems, sets, inequalities, systems of equation and inequalities, matrices and determinants, functions and relations, circular functions, trigonometric functions and applications, inverse relations, complex numbers, exponential and logarithmic functions, theory of equations, sequences and series, mathematical induction and binomial theorem. (F,S)
Equivalent to Math 105, SFVSC
Maximum of 3 units, UC (all branches)

Math 9A-B-C - FUNDAMENTALS OF MATH 1-1-1Units

Prerequisite: None
3 hours lecture weekly
Student will enroll simultaneously in 9A, 9B, and 9C.
Math 9A - Review of addition, subtraction, multiplication and division of whole numbers, prime numbers, and prime factors, introduction to exponential-notation, operations with fractions and mixed numbers, use of fractions in ratio and proportion.
Math 9B - Decimal fractions, operations with decimal fractions, relation to common fractions, rounding off, scientific notation. Measurement -- units of length, area and volume -- metric and English systems. Percent, commission, discount, taxes, solution of business problems.
Math 9C - Weights and measures, more about metric system, area and volume. Changing from English to metric units and vice-versa. Techniques for problem solving, emphasis in business, and practical problems. Operations with integers. Introduction to algebra.

Math 10 - PRINCIPLES OF MATHEMATICS 3 Units

Prerequisites: Math 1 and Math 2 or plane geometry and one year high school algebra. (Math 2 may be taken concurrently)
3 hours lecture weekly.
Language of sets; systems of numeration; the nature of numbers and the fundamentals of operations; the domain of integers; the fields of rational, real and complex numbers. Will satisfy credential requirements for elementary and junior high teachers and/or general education option under basic studies. Not open to students majoring in the physical sciences or mathematics. (F)
Equivalent to Math 210, SFVSC
Accepted for credit, UC (all branches)

Math 12 - COLLEGE ALGEBRA WITH BUSINESS APPLICATIONS 3 Units

Prerequisites: Math 2 and Math 3 or plane geometry and one and one-half years of high school algebra.
3 hours lecture weekly.
Topics from college algebra and calculus with applications to problems in business and economics. Review of real number systems and simple algebra, set notation and simple manipulations, linear, quadratic, exponential and logarithmic functions, equations, inequalities, solutions of linear systems, operational vector and matrix algebra, introduction to differential and integral calculus, permutations, combinations and probability.
Equivalent to Math 103, SFVSC
Accepted for credit, UC (all branches)

Math 14 - FINITE MATHEMATICS 3 Units

Prerequisites: Math 12 or Math 7 or plane geometry and two years of high school algebra.
3 hours lecture weekly.
For students of managerial, social, or behavioral sciences. Laws of deductive reasoning, the algebra of sets, partitions and counting, probability, the algebra of vectors and matrices, applications to linear programming and the behavioral sciences.
Equivalent to Math 260, SFVSC
Accepted for credit, UC (all branches)

Math 15 - INTRODUCTORY STATISTICS 4 Units

Prerequisite: Math 3 or one and one-half years of high school algebra
4 hours lecture weekly
The Nature of Statistical Methods. The description of sample data, probability, theoretical frequency distributions, sampling, estimation, testing hypothesis, correlation, regression, special topics.
Equivalent to Math 140, SFVSC
Accepted for credit, UC (all branches)

Math 16A - APPLIED CALCULUS I 3 Units

Prerequisites: Math 7 or Math 12 or two years of high school algebra
3 hours lecture weekly
This is the first semester of a short course in calculus. Topics include: algebra review; elements of analytic geometry; functions of one variable; graphing; limits; continuity; sequence; techniques of differentiation; the differential; maxima and minima; application to social science, biological science, economics, business administration, architecture and technology; introduction to integration.
Equivalent to Math 225A, SFVSC
Accepted for credit, UC (all branches)

Math 16B - APPLIED CALCULUS II 3 Units

Prerequisites: Math 16A or Math 25A or one year of high school calculus
3 hours lecture weekly.
A continuation of Math 16A. Topics include: definite, indefinite and improper integrals; logarithmic and exponential functions; trigonometric functions; techniques of integration; calculus in high dimension; introduction to differential equation; applications to social science, biological science, economics, business administration, architecture and technology.
Equivalent to Math 255B at SFVSC
Accepted for credit, UC (all branches)

Mus 13D - VOICE IN OPERA WORKSHOP 2 Units
Prerequisite: Mus 13C or consent of instructor
1 hour lecture, 3 hours rehearsal weekly.

The study of song literature taken from the musical theatre. The course work will consist of the studying and performing of opera and musical plays in excerpt or as a complete production. Class designed for singers with proven ability with interest in drama.

Mus 14 - MEN'S GLEE CLUB 2 Units
Prerequisites: Consent of instructor
1 hour lecture, 3 hours laboratory weekly.

The study of proper vocal technique. The study and performance of choral music for the male voice.

***Mus 15 - ORCHESTRA** 1 Unit
Prerequisite: Consent of instructor.
3 hours rehearsal weekly.

Preparation and performance of orchestral repertoire.
Equivalent to Music 182, SFVSC

***Mus 18 - STAGE BAND** 1 Unit
Prerequisite: Competence with a musical instrument
3 hours rehearsal weekly.

Reading, preparation and performance of music arranged for studio band. Rehearsal for and performance at scheduled concerts is required.
Equivalent to Music 180, SFVSC

***Mus 19 - CONCERT BAND** 1 Unit
Prerequisite: Competence with a musical instrument
3 hours rehearsal weekly.

Rehearsal and performance of representative concert band literature.

***Mus 21 - BRASS ENSEMBLE** 1 Unit
Prerequisite: Competence with a musical instrument
3 hours rehearsal weekly

Study and performance of standard and modern compositions and arrangements for brass ensemble.
Equivalent to Music 287, SFVSC

Mus 22A-B - DIRECTED STUDIES IN MUSIC 1-3/1-3 Units
Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman
1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of music on an independent study basis. Assigned problems will involve library, laboratory and field work. Maximum of 6 units.
Maximum of 3 units, SFVSC

***Mus 23 - WOODWIND AND STRING ENSEMBLE** 1 Unit
Prerequisite: Competence with a musical instrument
3 hours rehearsal weekly.

Study and performance of standard and modern woodwind and string literature. Attendance at rehearsals and performances is required.

Mus 24A-B-C-D - PIANO 2-2-2-2 Units
Prerequisite: None for Mus 24A, 24A for 24B, 24B for 24C, 24C for 24D.

1 hour lecture, 3 hours rehearsal weekly.

24A - Fundamentals of piano playing, note reading, finger drills, scales and simple piano literature.

Equivalent to Music 132A, SFVSC

24B - Piano studies and techniques for steps two and three; continuation of scales and keyboard techniques.

Equivalent to Music 132B, SFVSC

24C - Piano studies and literature for students for fourth and fifth steps; scales and keyboard techniques.

Equivalent to Music 232A, SFVSC

24D - Emphasis on keyboard harmony and techniques; harmonization of melodies with different style accompaniments, transposition, improvisation of various forms, modulation, playing by ear, scales, chords, reading choral scores.

Equivalent to Music 232B, SFVSC

***Mus 26 - RECORDER ENSEMBLE** 1 Unit
Prerequisite: Consent of instructor
3 hours rehearsal weekly

The study and performance of music literature for a recorder flute ensemble of soprano, alto, tenor, and bass instruments. Combinations may include recorders, voices, harpsichord, or other early instruments.

Mus 27 - CHORAL CONDUCTING 2 Units
Prerequisites: Equivalent of Mus 1, Mus 2 or by permission of instructor

2 hours lecture, 1 hour laboratory weekly.

Basic conducting techniques; exploration of choral literature including style, performance, interpretation; conducting singing groups utilizing the research and techniques. (F,S) EVENINGS ONLY

Mus 28 - INSTRUMENTAL CONDUCTING 2 Units
Prerequisites: Equivalent of Mus 1, Mus 2 or by permission of instructor

2 hours lecture, 1 hour laboratory weekly.

Basic conducting techniques of various instrumental organizations; exploration of instrumental literature, including style, performance, interpretation. (F,S) EVENINGS ONLY

Mus 29 - INTRO TO AMERICAN FOLK MUSIC 3 Units
Prerequisites: None
3 hours lecture weekly

A survey of American folk and traditional music, from early America to the present. Emphasis on listening to and analysis of different types of folk music, such as regional music, music of minorities, protest music, ballads, country music, etc. Study of various folk instruments, live performances, films and recordings.

Mus 32 - BEGINNING GUITAR 1 Unit
Prerequisites: None
3 hours laboratory weekly (8 weeks)

Theory and practice of the Guitar.

*Course may be repeated for credit up to four times.

PERSONAL GROWTH

PG 1 - RAP FOCUS ½ Unit

Prerequisites: None

3 hours seminar weekly (8 weeks)

Each semester different RAP sessions are offered with a variety of topics. The topic for a specific RAP session is usually listed in the class schedule.

PG 2 - CAREER DEVELOPMENT 1½ Units

Prerequisites: None

3 hours lecture weekly (8 weeks)

A course designed to assist a student in becoming more aware of himself in relationship to making an intelligent career choice. This will involve self-appraisal through testing and counseling, career exploration and the identification of tentative career possibilities. The relationship between personal and educational requirements versus employment and job requirements will be discussed.

PHILOSOPHY

Phil 1A-B - INTRODUCTION TO PHILOSOPHY 3-3 Units

Prerequisite: Satisfactory score on placement test.

3 hours lecture weekly.

Philosophy 1A-B consists in a broad survey of the various problems and positions of philosophy. In Philosophy 1A an attempt is made to clarify the nature of the philosophic enterprise and to focus attention upon some of the central issues of epistemology, metaphysics, and political philosophy. Philosophy 1B deals mainly with the problems of moral philosophy, but also involves the study of related views concerning the nature of man, society, and the universe. Together these courses are designed to provide the student with an understanding of a number of arguments and insights that should prove to be helpful in the task of constructing an adequate philosophy of life. The two courses are independent and may be taken concurrently.

Equivalent to Phil 150, 160, SFVSC

Accepted for credit, UC (all branches)

Phil 2 - INTRODUCTION TO LOGIC 3 Units

Prerequisite: Satisfactory score on placement test.

3 hours lecture weekly.

Logic involves a study of the patterns of deductive and inductive thought. The purpose of the course is to encourage the student to master the techniques required to engage in clear, consistent, and cogent reasoning. An attempt is made to review immediate, syllogistic, and extended forms of deductive inference as well as arguments by analogy, inductive generalizations, and scientific hypotheses. The emphasis of the course is practical rather than theoretical; attention is directed towards an application of logical techniques in the solution of every-day problems and in the appraisal of the kinds of arguments that we daily encounter.

Equivalent to Phil 100, SFVSC

Accepted for credit, UC (all branches)

Phil 3 - COMPARATIVE RELIGIONS 3 Units

Prerequisite: Satisfactory score on placement test

3 hours lecture weekly

Philosophy 3 consists of a systematic study of the major religions of the world. Hinduism, Buddhism, Jainism, Taoism, Confucianism, Zen, Zoroastrianism, Judaism, Christianity, and Islam are among the positions reviewed. In each instance an attempt is made to learn to view the religion from the standpoint of its proponents. The purpose is to promote a broader understanding of the main similarities and differences which these outlooks exhibit, and to acquire an appreciation of their historical connections.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Phil 10 - CONTEMPORARY BLACK THOUGHT 3 Units

Prerequisites: Satisfactory score on placement test

3 hours lecture weekly.

Philosophy 10 consists in a careful review of the ideas advanced by a number of the more influential Black writers in this century. The purpose is to promote an increased understanding of the problems and issues with which they are concerned, and to investigate the solutions which they have proposed. An attempt will be made to consider a variety of viewpoints while concentrating attention on the more philosophical aspects of each position. The authors studied will include: Fanon, Baldwin, King, Malcolm X, Carmichael, Hamilton, and Cleaver.

Accepted for credit, SFVSC

Phil 11 - PSYCHOLOGY OF RELIGION - EAST AND WEST 3 Units

Prerequisites: Satisfactory score on placement test

3 hours lecture weekly

Discussion of the more provocative emphasis to be found, correlatively, in the Upanishads, Tao te Ching, Bhagavad-Gita, Dhammapada, and Old and New Testaments. An inquiry into the philosophy of essential religion.

Phil 12 - RELIGION, VALUES, & PEAK EXPERIENCES 3 Units

Prerequisites: Satisfactory score on placement test

3 hours lecture weekly

The title of the late Abraham H. Maslow's widely distributed work serves as a focus of inquiry for this course. Maslow's pioneering endeavors in "Third Force Psychology" will be examined as well as his rise from an obscure researcher to the President of the American Psychological Association. An account will be given of crucial shifts made in metaphysical and psychological emphasis as a result of the work of such men.

Phil 22A-B - DIRECTED STUDIES IN PHILOSOPHY 1-3/1-3 Units

Prerequisites: A course in the specific field with a

recommending grade and consent of instructor and Division

Chairman

1 - 3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of philosophy on an independent study basis. Assigned problems will involve writing and research.

Maximum 3 units credit, SFVSC

PHOTOGRAPHY

Photo 1A - BEGINNING PHOTOGRAPHY 3 Units

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

A beginning course in photographic theory. Emphasis on photography as a means of creative expression, including a study of the basic principles of camera operation, exposure, developing and printing, basic color techniques. Equivalent to Art 250, SFVSC

Photo 1B - BEGINNING PHOTOGRAPHY 3 Units

Prerequisites: Photo 1A or consent of instructor on presentation of portfolio

2 hours lecture, 3 hours laboratory weekly

An extension of the techniques learned in Photo 1A, with further study of equipment and methods. 35 mm techniques and processes will be explored in depth.

Photo 3 - BASIC COLOR 3 Units

Prerequisites: Photo 1A, 1B or consent of instructor

2 hours lecture, 3 hours laboratory weekly

The principles of color photography, the use of correction filters... processing of transparency materials--with emphasis on creative use of special effects achieved by unique lighting, films and camera techniques directed toward a more expressive visual statement. Experimental approach encouraged.

Photo 4 - ADVANCED PHOTOGRAPHY 2 Units

Prerequisites: Photo 1A-B or equivalent

1 hour lecture, 3 hours laboratory weekly.

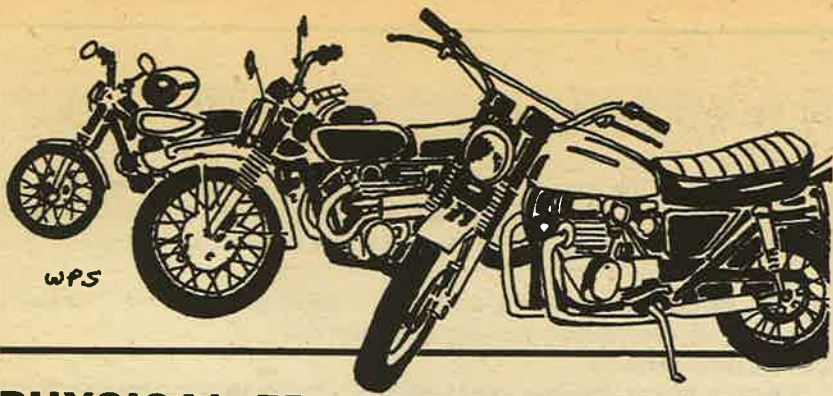
An extension of the techniques learned in Photo 1, with further study of equipment and methods; emphasis on composition and experimental approaches to design elements and principles.

Photo 8 - BASIC PHOTO-JOURNALISM 3 Units

Prerequisites: Photo 1A, or suitable portfolio and consent of instructor

2 hours lecture, 3 hours laboratory weekly.

Aspects of photography as applied to mass communication -- broadcast and print journalism. Concentration on the translation of ideas to images for reproduction in magazines, newspapers and book illustrations. Special effects and the utilization of camera and light as creative tools. Basic motion picture techniques. (Co-number Journ 8)



PHYSICAL EDUCATION

BEGINNING MEN'S ACTIVITIES

PE 1 - BEGINNING BODY CONDITIONING 1 Unit

Prerequisites: None
3 hours activity weekly

A course designed to increase the understanding of the principles of fitness and the development and maintenance of a high level of efficiency.

PE 2A-B - BEGINNING GYMNASTICS 1-1 Unit

Prerequisite: None
3 hours activity weekly.

PE 2A: Fall Semester--Emphasis on body balance, tumbling, trampoline, and introduction to apparatus.

PE 2B: Spring Semester--Emphasis on the development of proficiency in the elementary skills of apparatus.

PE 3A-B - BEGINNING TEAM SPORTS 1 Unit

Prerequisites: None
3 hours activity weekly

Techniques, strategies, rules of team sports in season, with opportunity to participate in the intramural program.

PE 3A - Fall Semester--flag football, volleyball, basketball.

PE 3B - Spring Semester--basketball, soccer, rugby, softball.

PE 4 - BEGINNING WRESTLING 1 Unit

Prerequisites: None
3 hours activity weekly

Introduction of wrestling as an educational medium which gives the student opportunity for self-expression. The student is taught takedowns, rides, escapes and falls.

PE 6 - BEGINNING RUGBY 1 Unit

Prerequisites: None
3 hours activity weekly

Development of skill in playing rugby. The course covers rules and the fundamental skills of passing, running, kicking, and tackling. Offensive and defensive strategy is also included in the course.

PE 7 - BEGINNING SOCCER 1 Unit

Prerequisites: None
3 hours activity weekly

Development of skills in playing the game of soccer, including the rules, techniques and strategy of playing the game.

BEGINNING WOMEN'S ACTIVITIES

PE 10 - SELF-DEFENSE & BODY MECHANICS 1½ Units

Prerequisites: None
1 hour lecture, 2 hours activity weekly

A course designed to increase the knowledge and understanding of the use of the body in its defense. Also involves the principles of fitness and body movements and the development and maintenance of a high level of efficiency.

PE 11A - BEGINNING GYMNASTICS - APPARATUS 1 Unit

Prerequisites: None
3 hours activity weekly

Development of proficiency in elementary skills of tumbling and gymnastics with emphasis on safety, basic understanding, and appreciation. Also emphasis on Body Balance, Tumbling, Trampoline and introduction to apparatus.

PE 11B - TUMBLING - FLOOR EXERCISE 1 Unit

Prerequisites: None
3 hours activity weekly

Development of proficiency in elementary skills of tumbling and gymnastics with principles of fitness and the development and maintenance of a high level of efficiency. Emphasis on the development of proficiency in the elementary skills of apparatus.

PE 12A - BEGINNING TEAM SPORTS 1 Unit

Prerequisites: None
3 hours activity weekly

Techniques, strategies, rules of team sports in season, with opportunity to participate in the intramural program. Emphasis on flag football, volleyball, and basketball.

PE 13A - WRA VARSITY VOLLEYBALL FOR WOMEN 2 Units

Prerequisites: None
1 hour lecture, 3 hours activity weekly

Open to women interested in competitive volleyball and competing in a junior college league. Instruction given in techniques, strategies and rules.

PE 13B - WRA VARSITY TRACK & FIELD FOR WOMEN 2 Units

Prerequisites: None
1 hour lecture, 3 hours activity weekly

Open to women interested in competing in track and field events at the junior college level. Instruction in techniques and rules.

PE 14 - DYNAMIC FITNESS 1 Unit

Prerequisites: None
3 hours activity weekly

A course designed in conditioning exercises to improve body form and function. Corrective and therapeutic exercises selected to fill specific needs.

BEGINNING COEDUCATIONAL ACTIVITIES

PE 20 - WATER SURVIVAL - BEGINNING SWIMMERS 1½ Units

Prerequisites: None
1 hour lecture, 2 hours activity weekly

This course is designed to teach basic swimming techniques for the beginning swimmer. Emphasis will be placed on the basic strokes, emergency procedures, and recreational type activities. This course will also provide for improved cardiovascular fitness and weight control.

PE 21 - SWIMMING FOR FITNESS-INTERMEDIATE AND ADVANCED SWIMMERS 1½ Units

Prerequisites: Basic swimming ability
1 hour lecture, 2 hours activity weekly

This course is designed to improve swimming techniques of swimmers. Emphasis will be placed on endurance training for improved cardiovascular fitness and weight control. Attention will also be given to survival techniques and emergency procedures.

PE 22A-B - DIRECTED STUDIES IN P.E. 1-3 Units

Prerequisite: A course in the specific field and the consent of the instructor and Division Chairman
1 - 3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of physical education on an independent study basis. Assigned problems will involve library, laboratory, and field.
Maximum of 6 Units

PE 23 - BACKPACKING & OUTDOOR SURVIVAL 2 Units

Prerequisites: Physical fitness level for mountain hiking and adequate backpacking equipment for participation.
1 hour lecture, 3 hours activity weekly

Introduction to backpacking, equipment, clothing, food and recipes, menus and food lists, cooking, safety and survival, on the trail, in camp, ecology, preparation and participation in backpacking trips required.

PE 25 - SKIN DIVING 1½ Units

Prerequisites: Pass pre-swimming test, medical examination and release or waiver form signed by parents
1 hour lecture, 2 hours laboratory weekly

A basic program in skin diving that will prepare the student to progress into Scuba Diving and to develop the necessary knowledge and skills for safe diving. Emphasis is placed on educating the student in safe water practice, marine life and characteristics of all types of water bodies, for example currents and tides, as well as proper selection and maintenance of equipment. A physical examination and a swimming test are required for enrollment in this course.

PE 26 - YOGA AND THE INTEGRATED SELF 2 Units

Prerequisites: None
1½ hours lecture, 1½ hours activity weekly

Techniques for physical, emotional and mental development. Relaxation, observation, detachment, concentration and understanding of yogic principles are included.

PE 27 - COED SOFTBALL 1 Unit
Prerequisites: Good Health
3 hours activity weekly
Coeducational instruction and participation in the basic skills and strategy of slow pitch softball.

PE 28 - INTRODUCTION TO KARATE 1 Unit
Prerequisites: None
3 hours activity weekly
A course designed to teach the basic art of self-defense and insight into the meaning and origin of Karate.

PE 29 - JUDO 1 Unit
Prerequisites: None
3 hours activity weekly
Development of skill in the elementary fundamentals and techniques of judo. The course covers the rules and a brief history of the sport.

PE 30 - ARCHERY 1 Unit
Prerequisites: None
3 hours activity weekly
Development of skill in archery, including rules, etiquette, safety factors, and techniques.

PE 31 - BEGINNING BADMINTON 1 Unit
Prerequisites: None
3 hours activity weekly
Development of skill in playing badminton, including rules, etiquette, and techniques.

PE 32 - BOWLING 1 Unit
Prerequisites: None
3 hours activity weekly
Development of skill in bowling, including rules, etiquette, safety features, and techniques. Class is conducted off campus at Simi Bowl.

PE 33 - GOLF 1 Unit
Prerequisites: None
3 hours activity weekly
Development of skill in playing golf. The course covers etiquette, rules, and techniques. NOTE: The evening sections of golf meet only 2 hours and receive ½ unit.

PE 34 - TENNIS 1 Unit
Prerequisites: None
3 hours activity weekly
Development of skill in playing tennis. The course covers beginning skills, etiquette, rules and techniques of play.

PE 35 - SAILING 1½ Unit
Prerequisites: None
1 hour lecture, 2 hours activity weekly
An introduction to the theory and techniques involved in sailing small sloop rigged boats. An introduction to racing rules and tactics will also be included.

PE 36 - BEGINNING MODERN DANCE 1 Unit
Prerequisites: None
3 hours activity weekly
Development of proficiency of modern dance technique, skills and development of an understanding and appreciation of modern dance as an art form.

PE 37 - FOLK & SQUARE DANCE—ETHNIC DANCE 1 Unit
Prerequisites: None
3 hours activity weekly
Development of Ethnic dance skills, understanding and appreciation. Experiences in Folk, Square and Round dancing.

PE 38 - ADAPTIVE PHYSICAL EDUCATION 1 Unit
Prerequisites: None
3 hours activity weekly
A special course designed to meet the needs of students who are unable to participate in regular physical education activity classes. Students will be classified by the college physician as to the type of physical activity in which they may participate. Each student is given individual attention in terms of adapted and recreational activities suited to his/her needs. May be repeated for credit.

PE 39A - BEGINNING BALLET 1 Unit
Prerequisites: None
3 hours activity weekly
An introduction to basic ballet techniques. Classes will include exercise at the barre to develop flexibility, strength, control, and resilience and center practice of simple Port des Bras. Adage and Allegro combinations.

PE 40 - BEGINNING VOLLEYBALL 1 Unit
Prerequisites: None
3 hours activity weekly
Development of basic skills in playing volleyball including rules, techniques of playing power volleyball.

PE 41 - BEGINNING MODERN JAZZ 1 Unit
Prerequisites: None
3 hours activity weekly
Development of proficiency in jazz technique and skills and development of an understanding and appreciation of jazz as a dance form.

PE 44 - JOGGING FOR FITNESS 1 Unit
Prerequisites: None
3 hours activity weekly
This course is designed to help the individual improve his physical health and general well being. The course is open to all students. Emphasis will be placed on endurance training with a gradual increase of running. Special attention will be given to cardiovascular fitness and weight control.

PE 45 - INTRODUCTION TO YOGA 1 Unit
Prerequisites: None
3 hours activity weekly
Hatha Yoga, an eastern approach to physical well-being that includes relaxation techniques, specific therapy for body control, good health, and some techniques for mental and emotional control. Background of Hatha Yoga and diet will also be covered.

PE 46 - BEGINNING RACKET SPORTS 1 Unit
Prerequisites: None
3 hours activity weekly
A special course to combine beginning tennis and badminton skills into one class. Rules, techniques and skills of the games are taught.

PE 47 - BEGINNING SKIING 1½ Units
Prerequisites: None
1 hour lecture, 2 hours activity weekly
This course will cover the GLM dry land ski instruction. The course will also cover the purchasing, care and repair of ski equipment and clothing.

PE 48 - FAMILY FITNESS 1 Unit
Prerequisites: Physical examination
3 hours activity weekly
A course designed in conditioning and endurance exercises to improve body form and appearance. The class is conducted on a coeducational basis and is designed for those families eligible for college enrollment.

INTERMEDIATE ACTIVITIES

PE 50 - INTERMEDIATE BODY CONDITIONING (MEN) 1 Unit
Prerequisites: PE 1
3 hours activity weekly
Advanced techniques and skills of the principles of fitness and the development and maintenance of a high level of efficiency.

PE 51 - INTERMEDIATE BADMINTON (CO-ED) 1½ Units
Prerequisites: PE 31 or Intermediate Skills Test
1 hour lecture, 2 hours activity weekly
Advanced techniques and strategies in badminton including participation in competitive tournaments and ladders.

PE 52 - INTERMEDIATE WRESTLING (MEN) 1 Unit
Prerequisites: PE 4
3 hours activity weekly
A continuation of beginning wrestling (PE 4) which will include advanced techniques and take-downs, rides, escapes and falls. Advanced instruction given concerning pinning combinations and strategies, and tactics.

PE 53 - INTERMEDIATE GOLF (CO-ED) 1 Unit
Prerequisites: PE 33 or consent of instructor
3 hours activity weekly.
Advanced techniques and skills development with special emphasis on links play. Students are assigned play on local courses at their own expense. NOTE: The evening sections of golf meet only 2 hours and receive ½ unit.

PE 54A - INTERMEDIATE TENNIS 1 Unit
Prerequisites: PE 34 or a skills test by instructor
1 hour lecture, 2 hours activity weekly
Development of higher proficiency and performance of tennis skills with special emphasis on game strategy and techniques.

PE 54B - ADVANCED TENNIS 1½ Units
Prerequisites: Beginning and Intermediate tennis or consent of instructor
1 hour lecture, 2 hours activity weekly
Advanced techniques and theory of playing tennis - strategy of tournament playing.

PE 55 - INTERMEDIATE BASEBALL (MEN) 1 Unit
Prerequisites: None
3 hours activity weekly
Fall class in which advanced techniques and strategies of baseball are developed. A high degree of skill is emphasized during actual games.

PE 56 - INTERMEDIATE MODERN DANCE 1½ Units
Prerequisites: PE 36 or consent of instructor
1 hour lecture, 2 hours activity weekly
A continuing study of modern dance with technique emphasis upon combination of basic skills. Study of the dance phrase with integration of the elements of rhythm, design, dynamics, and motivation change.

PE 57 - INTERMEDIATE BASKETBALL (MEN) 1 Unit
Prerequisite: Basketball experience - understanding of rules
3 hours activity weekly
Advanced techniques and strategies in basketball. A continuing development of a high degree of skill is emphasized.

PE 58 - INTERMEDIATE FOOTBALL 1 Unit
Prerequisites: Advanced football ability
3 hours activity weekly
Development of advanced skills in football and the theory behind the different styles of play.

PE 59 - INTERMEDIATE TRACK (CO-ED) 1½ Units
Prerequisites: Consent of instructor
1 hour lecture, 2 hours activity weekly
Advanced technique and strategies in track and field. A continuing development of a high degree of skill is emphasized in the preparation for a competitive season. Special attention will be given to the research of the skills needed for the proficiency in the sport. This is a requirement for varsity track candidates.

PE 60 - INTERMEDIATE VOLLEYBALL 1 Unit
Prerequisites: Playing ability in volleyball
3 hours activity weekly
Advanced techniques and strategies in playing power volleyball at the six, four and two man levels. A continuing development of high level skills is emphasized.

PE 61 - INTERMEDIATE COED GYMNASTICS 1 Unit
Prerequisites: Men - PE 24A-B; Women - PE 11A-B
3 hours activity weekly
Development of fundamental skills in tumbling, free exercise and apparatus for those already trained in the elementary gymnastic skills.

PE 63 - INTERMEDIATE SOCCER 1 Unit
Prerequisites: PE 7
3 hours activity weekly
Advanced techniques and skills in the game of soccer.

PE 64 - INTERMEDIATE JOGGING 1 Unit
Prerequisites: PE 44
3 hours activity weekly
This course will develop one's cardiovascular system and take a closer examination of training methods.

***PE 65 - SKIN AND SCUBA DIVING** 2 Units
Prerequisites: PE 25 (After '72 fall semester) or pass pre-swimming test, medical examination and release or waiver signed by parents.
2 hours lecture, 3 hours laboratory weekly.
A basic program in skin and scuba diving that will develop the necessary knowledge and skills for safe diving in Southern California. The class will emphasize the marine environment, equipment selection and maintenance, diving physics and physiology and accident prevention. A physical examination and a swimming test are required for enrollment in this course.

*Beginning with the 1973 spring semester, PE 65 will be Scuba Diving only.

PE 66 - INTERMEDIATE RUGBY 1 Unit
Prerequisites: PE 6
3 hours activity weekly
Advanced development of the skills in playing rugby. The course covers advanced skills in passing, kicking, and offensive and defensive strategy.

PE 67 - INTERMEDIATE ARCHERY 1 Unit
Prerequisites: PE 30 or consent of instructor
3 hours activity weekly
A continuing study of archery with emphasis upon advanced skills.

PE 68 - INTERMEDIATE BOWLING 1 Unit
Prerequisites: PE 32
3 hours activity weekly
Advanced techniques and strategies in bowling and participation in competitive events.

PE 70 - VARSITY BASEBALL (MEN) 2 Units
Prerequisites: Meet the requirements for athletic eligibility in the Western State Conference and/or coach's permission.
10 hours activity weekly
Varsity sports are highly competitive and require an advanced degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 215, SFVSC

PE 71 - VARSITY BASKETBALL 2 Units
Prerequisites: Meet the requirements for athletic eligibility in the Western State Conference
10 hours activity weekly
Varsity sport highly competitive and requiring advance degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 201, SFVSC

PE 72 - VARSITY CROSS COUNTRY 2 Units
Prerequisites: Permission of instructor
10 hours activity weekly
Varsity sports are highly competitive and require an advanced degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 203, SFVSC

PE 73 - INTERCOLLEGIATE FOOTBALL (MEN) 2 Units
Prerequisites: Meet requirements for athletic eligibility in Western State Conference
3 hours lecture, 10 hours activity weekly
Varsity sport highly competitive and requiring high degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 200, SFVSC

PE 74 - VARSITY GOLF (MEN) 2 Units
Prerequisites: Meet the requirements for athletic eligibility in the Western State Conference and/or coach's permission.
10 hours activity weekly
Varsity sports are highly competitive and require an advanced degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 210, SFVSC

PE 75 - VARSITY TENNIS 2 Units
Prerequisites: Meet the requirements for athletic eligibility in the Western State Conference and/or coach's permission.
10 hours activity weekly
Varsity sports are highly competitive and require an advanced degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 211, SFVSC

PE 76 - VARSITY TRACK 2 Units
Prerequisites: Successful completion of PE 59 and meet Western State Conference eligibility requirements.
10 hours activity weekly
Varsity sports are highly competitive and require an advanced degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 214, SFVSC

PE 77 - VARSITY WRESTLING 2 Units
Prerequisites: Meet requirements for athletic eligibility in the Western State Conference.
10 hours activity weekly.
Varsity sports are highly competitive and require an advanced degree of skill. Students engaged in varsity sports should expect to compete against other institutions, travel, and put in additional hours beyond the normal activity load. Varsity sports meet the P.E. activity requirement.
Equivalent to PE 204, SFVSC

PROFESSIONAL COURSES

- PE 80 - MEN'S PROFESSIONAL ACTIVITIES I** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program
1 hour lecture, 3 hours laboratory weekly.
Development of skills, safety habits, appreciation and knowledge of rules,
strategy, and background of the following activities: rugby, soccer, speedball,
trampoline, tumbling.
Equivalent to PE 180, SFVSC
Accepted for credit, UC (all branches)
-
- PE 81 - WOMEN'S PROFESSIONAL ACTIVITIES I** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program
1 hour lecture, 3 hours laboratory weekly
An orientation to the field of physical education and development of
skills, safety habits, appreciation and knowledge of rules, strategy, and
background of the following activities: body mechanics, calisthenics and
gymnastics, trampoline and tumbling.
Equivalent to PE 182, SFVSC
Accepted for credit, UC (all branches)
-
- PE 82 - MEN'S PROFESSIONAL ACTIVITIES II** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program.
1 hour lecture, 3 hours laboratory weekly.
Development of skills, safety habits, appreciation and knowledge of rules,
strategy, and background of the following activities: Gymnastics, handball,
weight training, wrestling.
Equivalent to PE 181, SFVSC
Accepted for credit, UC (all branches)
-
- PE 83 - WOMEN'S PROFESSIONAL ACTIVITIES II** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program.
1 hour lecture, 3 hours laboratory weekly
Development of skills, safety habits, appreciation and knowledge of rules,
strategy and background of the following activities: Marching, tennis,
badminton, archery and track and field.
Accepted for credit, SFVSC
Accepted for credit, UC (all branches)
-
- PE 84 - MEN'S PROFESSIONAL ACTIVITIES III** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program
1 hour lecture, 3 hours laboratory weekly
Development of skills, safety habits, appreciation and knowledge of rules,
strategy and background of the following activities: archery, badminton,
basketball, golf, lead-up games, volleyball.
Equivalent to PE 280, SFVSC
Accepted for credit, UC (all branches)
-
- PE 85 - WOMEN'S PROFESSIONAL ACTIVITIES III** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program
1 hour lecture, 3 hours laboratory weekly
An orientation to the field of dance in physical education and develop-
ment in skills, appreciation and knowledge of modern dance and basic dance
forms including background information. (F)
Accepted for credit, SFVSC
Accepted for credit, UC (all branches)
-
- PE 86 - MEN'S PROFESSIONAL ACTIVITIES** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program
1 hour lecture, 3 hours laboratory weekly
Development of skills, safety habits, appreciation and knowledge of rules,
strategy, and background of the following activities: baseball, football,
softball, tennis, track and field.
Equivalent to PE 281, SFVSC
Accepted for credit, UC (all branches)
-
- PE 87 - WOMEN'S PROFESSIONAL ACTIVITIES IV** 2 Units
Prerequisites: Consent of instructor and/or enrolled in P.E. major/
minor program
1 hour lecture, 3 hours laboratory weekly
Orientation to field of physical education and development of skills, safety
habits, appreciation and knowledge of rules, strategy, and background of the
following activities: volleyball, softball, soccer and field hockey.
Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

- PE 89A-B - DANCE PRODUCTION (COED)** 1-2 Units
Prerequisites: Beginning and Intermediate Modern Dance and/or
consent of instructor.
1 hour lecture, 1-3 hours laboratory weekly
Practical experience in the many phases of dance concert and demonst-
ration, i.e., choreography, staging, make-up, costumizing, set designing and
construction, lighting, and publicity.
Accepted for credit, UC (all branches)
-
- PE 90 - INTRODUCTION TO PHYSICAL EDUCATION (COED)** 2 Units
Prerequisites: None
2 hours lecture weekly
A general survey of the field of Physical Education; exploration of the
aims, objectives, scope and contemporary values of Physical Education,
project and field work required. (F)
Accepted for credit, UC (all branches)
-
- PE 91A-B - SPORTS OFFICIATING (MEN)** 2-2 Units
Prerequisites: None
2 hours lecture weekly
Instruction and laboratory experience in sports officiating for men. Pro-
ficiency ratings required to successfully complete the course PE 91A during
the fall semester - football, basketball, soccer, wrestling; PE 91B during the
spring semester - track, baseball, rugby, volleyball.
Accepted for credit, UC (all branches)
-
- PE 93A-B - WOMEN'S SPORTS OFFICIATING** 2-2 Units
Prerequisites: Consent of instructor and enrolled in P.E. major/minor
program.
1 hour lecture, 3 hours laboratory weekly
Instruction and laboratory experience in sports officiating for women.
93A - Fall semester - Individual sports
93B - Fall semester - Team Sports.
Offered alternate fall semesters.
Equivalent to PE 288 and 289, SFVSC
Accepted for credit, UC (all branches)
-
- PE 94 - BASKETBALL THEORY** 2 Units
Prerequisites: Advanced basketball ability
1 hour lecture, 3 hours activity weekly
Development of advanced skills in basketball and the theory behind
different styles of play. Including studying of films, drills, rules and
techniques of coaching.
-
- PE 95 - FOOTBALL THEORY** 2 Units
Prerequisites: Advanced football ability
1 hour lecture, 3 hours activity weekly.
Development of advanced skills in football and the theory behind the
different styles of play, including studies of films, drills, rules and techniques
of coaching.
-
- PE 96 - BASEBALL THEORY** 2 Units
Prerequisites: Advanced baseball ability
1 hour lecture, 3 hours activity weekly
Development of advanced skills in baseball and the theory behind the
methods and styles of play. Class members will participate in summer baseball
program with lab assignments and will have weekly lectures including films
and guest lecturers to facilitate instruction.
-
- PE 97 - CREATIVE MOVEMENT ACTIVITIES FOR CHILDREN** 3 Units
Prerequisites: None
2 hours lecture, 3 hours activity weekly
A presentation of methods and materials which parents and teachers of
pre-school and early elementary-aged children can utilize in encouraging and
directing creative movement experiences, in the school, home, or various
organizations. (Co-number ECD 55)
Accepted for credit, UC (all branches)
-
- ## PHYSICS
- Ph 2A-B - GENERAL PHYSICS** 4-4 Units
Prerequisites: High School mathematics through trigonometry or Math 7
(may be taken concurrently); Ph 2A for Ph 2B
3 hours lecture and 3 hours laboratory weekly
First semester—An introduction to mechanics, heat, sound and optics. A
descriptive course with some quantitative work. Demonstration lectures and
solution of problems. A course designed to meet the needs of medical, dental,
optometry, and liberal arts students. The role of the laboratory is defined and
basic arts of planning, execution, analysis and synthesis in experimentation is
practiced. (F)
Equivalent to Physics 100A, SFVSC
Second semester—An introduction to electricity, atomic, nuclear and
relativistic physics. Demonstrations, lectures, assignment of problems, and
laboratory experiments. A continuation of Ph 2A (S)
Equivalent to Physics 100B, SFVSC
Phys 2A-2B accepted for credit, UC (all branches)

Ph 3 - THE ARTS OF EXPERIMENTAL INVESTIGATION 1 Unit
Corequisite: Concurrent enrollment in Ph 10
3 hours laboratory weekly.

A laboratory course to accompany Physics 10. The role of the laboratory in solving problems is defined and basic arts of planning, execution, analysis and synthesis in experimentation is practiced. Basic measurement skills of time, mass, lengths and charge are required. (F,S)
Accepted for credit, UC (all branches)

***Ph 4A - MECHANICS OF SOLIDS** 3 Units
Prerequisites: High school physics or Physics 10 with laboratory or equivalent, Math 25A, (taken concurrently).
2 hours lecture, 3 hours laboratory weekly.

An introductory study of statistics and dynamics of particles and rigid bodies. This course uses analytical techniques such as calculus and vector analysis where needed and is intended for majors in physics, engineering, chemistry, and mathematics. Relativistic mechanics is introduced. Basic lab techniques and skills are emphasized. (F)
Accepted for credit, UC (all branches)

***Ph 4B - MECHANICS OF FLUIDS, HEAT AND SOUND** 3 Units
Prerequisites: Successful completion of Ph 4A or equivalent. Math 25B must be taken concurrently or have been completed.
2 hours lecture, 3 hours laboratory weekly.

An introduction to hydrostatics, hydrodynamics, thermodynamics processes and systems, mechanical waves. Some basic exercises in lab and some real problems. (S)
Accepted for credit, UC (all branches)

***Ph 4C - ELECTRICITY AND MAGNETISM** 3 Units
Prerequisites: Successful completion of Ph 4B or equivalent and Math 25B.
2 hours lecture, 3 hours laboratory weekly.

An introduction to electricity and magnetism. Emphasis is placed on an understanding of field theory and the applications of the calculus. Topics covered include: Coulombs' Law, Gauss' Law, Farady's Law, Ohm's Law, AC and DC circuits, and laboratory employs AC and DC circuits to include oscilloscopes and other modern laboratory equipment. (F)
Accepted for credit, UC (all branches)

***Ph 4D - OPTICS AND MODERN PHYSICS** 3 Units
Prerequisites: Successful completion of Ph 4C, its equivalent or permission of instructor and successful completion of Math 25C.
2 hours lecture, 3 hours laboratory weekly.

An introduction to geometrical and physical optics, atomic and nuclear physics. Selected topics in quantum mechanics are discussed at elementary level. The solution of problems in vector calculus and differential equations is demonstrated. Three hours of laboratory work each week in optics, atomic and nuclear physics. Some neutron activation analysis.
Accepted for credit UC (all branches)

*Combination of Physics 4A,B,C,D, is equivalent to Physics 220A,B,C, SFVSC

Ph 10 - DESCRIPTIVE PHYSICS 3 Units
Prerequisite: Math 1 or equivalent
3 hours lecture weekly (3 hours lab recommended, but not required)

Primarily a non-mathematical description of the basic principles of physics, using discussions, lecture-demonstrations, oral and written reports.
Accepted for credit, UC (all branches)
With Ph 3, equivalent to Ph 160, SFVSC

PH 11A-B - TECHNICAL PHYSICS 4.4 Units
Prerequisites: High School algebra with grade of C or higher or Math 3.
3 hours lecture, 3 hours laboratory weekly.

Mechanics, heat, electricity, magnetism, sound light, and atomic energy with emphasis on technical applications in industry. A rigorous but non-calculus course in basic applied physics. Required of all technical majors. (F)

Ph 12A - APPLIED PHYSICS 1 Unit
Prerequisites: Consent of instructor and/or high school algebra
16 hours lecture for 1 unit

A description of the basic principles of physics and science. The emphasis will be on the study of mechanics to include motion, forces, work and energy. The principle mode of learning will be lecture-demonstrations, discussions, problem solving and simple directed experiments.

Ph 12B - APPLIED PHYSICS 1 Unit
Prerequisites: Physics 12A or consent of instructor
16 hours lecture for 1 unit

A description of the basic principles of physics. The emphasis will be on properties of materials, temperature, heat and optics. The principle modes of learning will be lecture-demonstrations, discussions, problem solving and simple directed experiments.

Ph 12C - APPLIED PHYSICS 1 Unit
Prerequisites: 12A, 12B or consent of instructor
16 hours lecture for 1 unit

A description of the basic principles of physics. The emphasis will be upon electricity and magnetism. The principle modes of learning will be lecture-demonstration, problem solving and simple directed experiments.

Ph 22A-B - DIRECTED STUDIES IN PHYSICS 1-3/1-3 Units
Prerequisites: A course in the specific field with a recommending grade and consent of instructor and Division Chairman.
1-3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge of physics on an independent study basis. Assigned problems will involve library, laboratory, and field work. (F,S)
Maximum of 3 units accepted for credit, SFVSC

PHYSICAL SCIENCE

Phys Sci 1 - INTRODUCTION TO PHYSICAL SCIENCE 3 Units
Prerequisite: Math 1 or equivalent recommended.
2 hours lecture, 3 hours laboratory weekly

Experimental approach to the nature of the physical world, emphasizing the basic principles of Chemistry and Physics and the ways in which these principles affect matter. Representative topics to be investigated include properties of matter, mixtures and their separations, radioactivity, atomic and molecular theories, and energy.
Equivalent to Physical Science 150, SFVSC
Accepted for credit, UC (all branches)

Phys Sci 5 - INTRODUCTION TO METEOROLOGY 3 Units
Prerequisite: None
3 hours lecture weekly

Introduction to meteorological phenomena; energy, atmospheric circulation, precipitation. Interrelationships between land, sea and atmosphere. Introduction to meteorological instrumentation and reporting. Interpretation of data. (Co-number Geog. 5)
Accepted for credit, UC (all branches)

Phys Sci 6 - INTRODUCTION TO METEOROLOGY LABORATORY 1 Unit
Prerequisites: Phys Sci 5/Geog 5 concurrent or consent of instructor
3 hours laboratory weekly

Laboratory to accompany Phys Sci 5. Introduction to Meteorological observation; cloud identification, instrumentation; interpretation of weather charts and data; weather system identification and analysis. Field trips required. (Co-number Geog 6)

Phys Sci 10 - SKY AND TELESCOPE 2 Units
Prerequisites: None
2 hours lecture weekly

A general interest-education course that will survey some major consideration in intergalactic space such as birth and death of stars, dimensions of the Universe and the destiny of the Universe. Field trips, evening star studies and contemporary literature will provide background for the in-class discussions.
Accepted for credit, UC (all branches)

Phys Sci 20 - SMALL COMPUTER APPLICATIONS IN SCIENCE AND ENGINEERING 2 Units
Prerequisites: Working knowledge of Algebra and Trigonometry
1 hour lecture and 3 hours laboratory weekly

Instruction in small computer arithmetic and techniques of problem solving with a computer. The Hewlett-Packard Programmable Calculator, Plotter, Printer and Mark-Sense Card Reader are discussed specifically. The course emphasizes "hands' on" learning of the operation of the system. (S)
Accepted for credit, UC (all branches)

Phys Sci 22 A-B - DIRECTED STUDIES IN PHYSICAL SCIENCE 1-3/1-3 Unit
Prerequisites: A course in the specific field and consent of instructor and Division Chairman
1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of physical science on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.
Maximum of 3 units accepted for credit, SFVSC

Psych 4 - CHILD PSYCHOLOGY**3 Units**

Prerequisites: One course in the field of Psychology
3 hours lecture weekly

The focus of this course will be on the psychology of children as well as on basic principles of developmental psychology. While the major emphasis will be on the child as a person, exploration of the personal, societal, and cultural forces important from birth to puberty will be made.

Psych 5 - SOCIAL PSYCHOLOGY**3 Units**

Prerequisites: One course in the field of Psychology
3 hours lecture weekly

A study of human social relationships. Topics of study include personal interaction, structure and leadership, role and status, fads and fashions, attitude formation and change, communication and propaganda, nature of prejudice and social change. Stress is placed upon methods of easing group tensions and solving current problems.
Equivalent to Soc 202, SFVSC

Psych 12 - BEHAVIORAL PRINCIPLES**3 Units**

Prerequisites: Consent of instructor
3 hours lecture weekly

An introduction to behavioral theory in learning principles. Consideration will be given to experimental analysis of behavior, antecedent, and consequences, as well as a demonstration of ability to alter behavior using contingencies of reinforcement and stimulus control. Emphasis will be on class discussion and peer learning as well as select case studies.

Psych 13 - BEHAVIORAL TECHNIQUES**3 Units**

Prerequisites: Psych 12 and consent of instructor
3 hours lecture weekly

This course will examine counter-conditioning theory and practice, including the formulation of a counter conditioning therapy program which will be implemented with a selected subject. Emphasis will be on developing a competence in utilizing counter-conditioning techniques.

Psych 14 - CONTINGENCY MANAGEMENT**3 Units**

Prerequisites: Psych 13 and consent of instructor
3 hours lecture weekly

A review of contingencies of reinforcement as they apply to educational and mental health settings. Laboratory assignments will focus on the application of contingencies of reinforcements involving the effect of behavioral consequences, transfer from continuous interval schedules of reinforcement and behavioral self-control experiments.

Psych 15 - APPLIED BEHAVIOR FOR PARENTS**3 Units**

Prerequisites: Psych 14 and consent of instructor
3 hours lecture weekly

A review of the basic principles of human behavior, especially as applied to child management and child development. Attention will be given to the use of behavior modification methods in improving children's behavior.

Psych 22A-B - DIRECTED STUDIES IN PSYCHOLOGY**1-3/1-3 Units**

Prerequisites: A course in the specific field and consent of instructor and Division Chairman
1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of psychology on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.
3 unit maximum accepted SFVSC

READING

Faculty: Michael Strumpf; Sinclair Wall

Read 1A - BASIC READING SKILLS**3 Units**

Prerequisites: English placement test score and counselor recommendation.
2 hours lecture, 3 hours laboratory weekly.

Diagnosis of individual reading difficulties; adaption to assist student to overcome his individual difficulties providing suitable materials; use of reading accelerators.

Read 1B - ADVANCED LAB**2 Units**

Prerequisite: Read 1A
5 hours laboratory weekly.

Improvement of skills in reading and studying that were taught in Read 1A. This course is entirely laboratory, with emphasis on using machines and kits available in the Reading Lab.

Read 2 - WORD POWER**3 Units**

Prerequisites: None
3 hours lecture, 2 hours laboratory weekly

The student will receive special training in the basic principles of word analysis: Latin and Greek roots, prefixes and suffixes, synonyms and antonyms, context clues. Special attention given to history and origin of words, focus on connotative and denotative word meanings with emphasis on propaganda techniques. A multi-media learning approach will be used.



Read 4A - TECHNIQUES OF READING**3 Units**

Prerequisites: Satisfactory reading test score or instructor recommendation.
2 hours lecture, 3 hours laboratory weekly.

Improvement of vocabulary and rate of comprehension, including skimming and scanning skills; use of mechanical aides; emphasis on college-level reading materials with focus on reading for significant details, main ideas, following printed directions, locating specific information, understanding figurative language, and inferring author's mood, tone, purpose, giving reasons for reading in the future.

Read 4B - ADVANCED READING LAB**2 Units**

Prerequisite: Read 4A
5 hours laboratory weekly.

Improvement of skills in reading and studying that were taught in Read 4A. The course is entirely laboratory, with emphasis on using machines and kits available in the Reading Lab.

Read 22A-B - DIRECTED STUDIES IN READING**1-3 Units**

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman
1 - 3 hours tutorial weekly.

Designed for selected students who are interested in furthering their knowledge or reading on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

REAL ESTATE

RE 91 - REAL ESTATE PRINCIPLES**3 Units**

Prerequisites: None
3 hours lecture weekly.

Practical study of California real estate law to assist real estate salesman and real estate brokers. Designed to provide the necessary knowledge required of candidates for the California Real Estate Salesman's Examination. (F, S)

RE 92 - LEGAL ASPECTS OF REAL ESTATE**3 Units**

Prerequisite: RE 91 or equivalent*
3 hours lecture weekly.

Practical study of California real estate law to assist real estate salesmen and brokers in avoiding the legal problems which arise in conjunction with real estate transactions; case study methods are utilized. (S)

RE 93 - REAL ESTATE PRACTICES**3 Units**

Prerequisite: RE 91 or equivalent*
3 hours lecture weekly.

Techniques of operating a real estate business with emphasis on the daily activities of brokers and salesmen; emphasis on securing and qualifying prospects, obtaining listings, and legal factors in the real estate transaction. (S)

RE 94 - REAL ESTATE APPRAISAL**3 Units**

Prerequisite: RE 91 or equivalent*
3 hours lecture weekly.

A first course in real estate appraisal confined largely to residential property with an introduction to investment property valuation; methods and techniques for determining value for loan and insurance purposes; case study situations and actual field work. (F)

RE 95 - REAL ESTATE FINANCE**3 Units**

Prerequisite: RE 91 or equivalent*
3 hours lecture weekly.

Practical study and analysis of money markets, interest rates, and real estate financing, with actual case illustrations demonstrating lending policies, problems and rules involved in financing real property, including residential, multi-family, commercial, and special purpose properties. (S)

RE 96 - REAL ESTATE ECONOMICS**3 Units**

Prerequisite: RE 91 or equivalent
3 hours lecture weekly.

Economic trends in real estate and land use; dynamic factors which create values in real estate; background for more specialized courses in real estate operation and techniques. (F)

* Equivalence to RE 91 can be possession of a California Real Estate Sales License or ability to take the broker's examination.

RECREATION

Rec 1 - INTRODUCTION TO COMMUNITY RECREATION**3 Units**

Prerequisites: None. Concurrent enrollment in Rec 3A recommended for majors and minors
3 hours lecture weekly

The scope and significance of community recreation. Study of the agencies and institutions that provide leisure opportunities for the community. Emphasis on inter-relationship of institutions and agencies that serve the community recreation needs. Observation and laboratory work is required. It is recommended that recreation majors also enroll in Recreation Leadership, Rec 3A, which will act as the laboratory assignment.

Rec 3A-B - RECREATIONAL LEADERSHIP**3-3 Units**

Prerequisites: Consent of instructor and/or enrolled in Rec 1 or in Recreation or PE major/minor program

1 hour lecture, 6 hours laboratory weekly

Exploration of the role of the recreation professional with emphasis on leadership techniques and group dynamics. Field work consisting of practical experience in program planning, scheduling, and evaluation of on-campus recreational activities will be required. (3A-F; 3B-S)
Equivalent to Rec 100 and 101, SFVSC

Rec 4 - SOCIAL RECREATION**3 Units**

Prerequisites: Consent of instructor or enrollment in Recreation major/minor program

2 hours lecture, 3 hours laboratory weekly

Methods and materials for the planning, organization, and conducting of social activities for group social situations. Emphasis on the mechanics of planning, techniques of presentation, and a repertoire of activities for presenting social recreation activities. Activities will be discussed, participated in, and/or demonstrated. Laboratory work in recreation required. It is recommended that students also enroll in Rec 3A or 3B, Recreational Leadership as their lab assignment.

Rec 5 - OUTDOOR RECREATION**3 Units**

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

A course in outdoor recreation designed for recreation majors and minors as well as other students interested in the outdoors. The class will cover four major areas: 1) A unit on soils, grasses, trees and shrubs, 2) a unit on ecological units and habitat studies; 3) a unit on outdoor skills leading toward an appreciation and practical use of the outdoors; and 4) leadership techniques in outdoor recreation settings and activities. Field trips including actual hikes and a campout will be required.

Rec 8A-B - FIELD EXPERIENCES IN COMMUNITY RECREATION**3-3 Units**

Prerequisites: Permission of instructor and/or completion of Rec 1 and/or Rec 3AB

1 hour lecture, 6 hours laboratory weekly

A practical experience course in which students are placed in two recreation leadership capacities per semester. Students will gain experience by working with: a public agency, a private agency, a therapeutic agency, and a fourth agency to be agreed on by the student and the instructor when a student takes both 8A and 8B. (8A-F; 8B-S)

Rec 22A-B - DIRECTED STUDIES IN RECREATION**1-3 Units**

Prerequisites: Consent of instructor and enrolled in Recreation major/minor program.

1-3 hours weekly.

Designed for students who are interested in furthering their knowledge and experience of Recreation Leadership on an independent study basis. Assigned problems will involve library, laboratory and field work. Maximum of 6 units.

Rec 49A-B - WORK EXPERIENCE IN RECREATION**1-3 Units**

Prerequisites: Permission of instructor and/or enrollment in Recreation major/minor program

5 - 15 hours laboratory weekly

A practical experience course in which recreation students can develop leadership techniques under the supervision of a faculty member as well as the supervision of the employing agency. For each unit of credit, five hours of work with a recreation agency is required, up to three units or fifteen hours per week.

Spn 32A-B-C - CONVERSATIONAL SPANISH FOR PUBLIC EMPLOYEES 1-1-1 Unit

Prerequisites: None

3 hours lecture (6 weeks for 1 unit)

Course for non-native speakers of Spanish, designed especially for practical situations of civil employees such as those in law enforcement, welfare, probation, etc.

(See English 1 offerings for courses covering Spanish literature in translation.)

SPEECH

Speech 1 - INTRODUCTION TO SPEECH

3 Units

Prerequisite: Eligibility for Engl 1

3 hours lecture weekly.

Training and practice in the basic principles of effective oral communication through participation in public speaking, group discussion, and oral reading; emphasis on developing constructive attitudes, organized thinking, proper use of voice and body, and discriminative listening.

Equivalent to Speech 155, SFVSC

Accepted for credit, UC (all branches)

Speech 2 - ELEMENTS OF PUBLIC SPEAKING

3 Units

Prerequisites: Speech 1 or consent of instructor.

3 hours lecture weekly.

Preparation and formal delivery of various types of speeches, particularly those types requiring persuasive rhetoric; special attention to content and organization, audience motivation, and evaluation; participation in group discussion with practice in parliamentary procedure.

Required of speech majors.

Equivalent to Speech 220, SFVSC

Accepted for credit, UC (all branches)

Speech 3 - VOICE AND DICTION

3 Units

Prerequisites: None

3 hours lecture weekly.

Individual speech improvement instruction and practice in correct breathing, voice control and diction. The study of correct pronunciation, enunciation and voice production, including the study of dialects, foreign and regional. This course is designed for students in drama, forensics, broadcasting or education. (Co-number ThA 3, Broad 8)

Equivalent to Drama 106, SFVSC

Speech 5 - ELEMENTARY ORAL INTERPRETATION

3 Units

Prerequisite: Speech 1 or consent of instructor.

3 hours lecture weekly.

Principles and techniques of oral reading of prose and poetry with understanding and appreciation; evaluation of the literature selected for reading.

Equivalent to Speech 104, SFVSC

Accepted for credit, UC (all branches)

Speech 7 - ARGUMENTATION

3 Units

Prerequisites: None

3 hours lecture weekly

Principles of rhetorical argument; using evidence, detecting fallacies in argument, preparing briefs, and delivering persuasive arguments. Extensive research is expected for effective formulation and critical analysis of persuasive discourse.

Equivalent to Speech 225, SFVSC

Speech 10A-B-C-D - FORENSICS

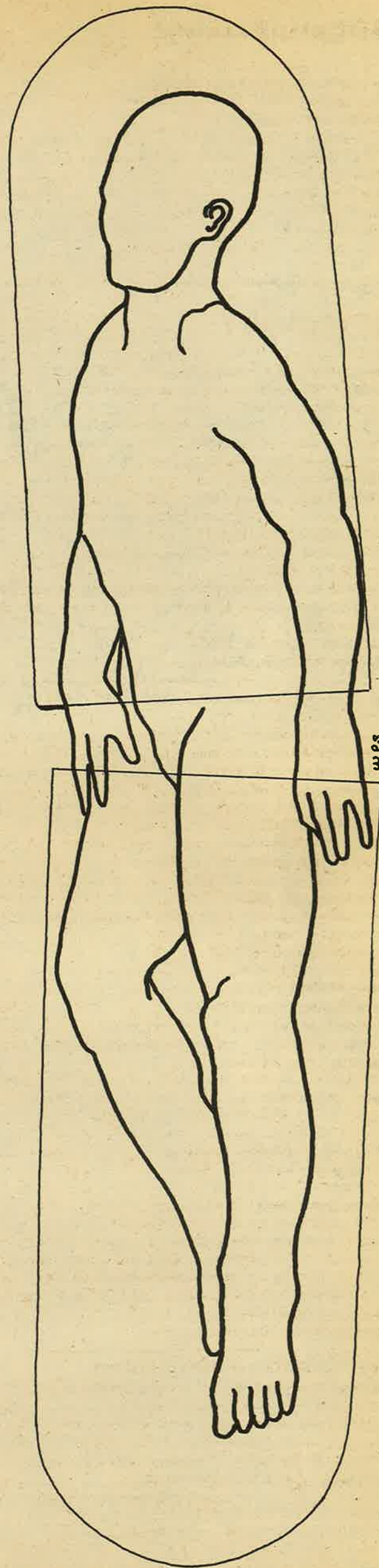
1-1-1 Units

Prerequisites: None

1 hour lecture, 3 hours laboratory weekly

A presentation of the principles and practices of argumentation and debate, with emphasis upon research into contemporary social problems and the analysis of significant issues as based upon organized reasoning, evidence and logic. Practice and criticism of competitive speeches will be conducted before college groups. Students are expected to participate in interscholastic debate and speech tournaments which take place during the week & weekends throughout the college year.

Equivalent to Speech 198, SFVSC



THEATRE ARTS

ThA 2A-B - FUNDAMENTALS OF ACTING

3½-3¾ Units

Prerequisites: None

2 hours lecture, 3 hours rehearsal, 1½ hours laboratory weekly

Introduction to acting techniques and development of characterization; exercises in pantomime, improvisation, movement, voice, and rhythm; practical experience in acting on stage. Laboratory activities fulfill P.E. requirement toward AA degree.

Equivalent to Drama 105, Drama 205, SFVSC

Accepted for credit, UC (all branches)

ThA 3 - VOICE AND DICTION

3 Units

Prerequisites: None

3 hours lecture weekly

Individual speech improvement instruction and practice in correct breathing, voice control and diction. The study of correct pronunciation, enunciation and voice production, including the study of dialects, foreign and regional. This course is designed for students in drama, forensics, broadcasting or education. (Co-number Speech 3, Broad 8)

ThA 10A-B-C-D - REHEARSAL AND PERFORMANCE

2-2-2-2 Units

Prerequisite: Consent of instructor

6 hours rehearsal weekly.

Supervised acting in performance of college-sponsored drama production; experience in all activities related to theatre presentations.

Equivalent to Drama 196, SFVSC (Max. of 4 units)

Accepted for credit, UC (all branches) (Max. of 4 units)

ThA 11A-B - CONTEMPORARY MEXICAN AMERICAN THEATRE

3,1 Units

Prerequisite: Satisfactory score on placement test

A - 3 hours lecture weekly

B - 3 hours laboratory weekly

Through theatre and music, studying and presenting the Chicano community and movement. (Co-numbered MAS 13AB)

ThA 13 - TECHNICAL THEATRE, SUMMER THEATRE

3 Units

Prerequisites: None

9 hours rehearsal weekly

The design and construction of sets and properties; in addition, the operation of lighting and sound equipment for the summer stock theatre production.

ThA 14 - ACTING, SUMMER STOCK

3 Units

Prerequisites: None

9 hours rehearsal weekly

Participation as an actor in the summer stock theatre productions.

ThA 15A - DIRECTING

2 Units

Prerequisites: ThA 2A and permission of instructor

6 hours rehearsal weekly

Study of the craft and art of stage direction, past and present day. Practical experience in direction of scenes by major playwrights. Coordinate activities with ThA 2A.

ThA 15B - DIRECTING

2 Units

Prerequisites: ThA 15A

6 hours rehearsal weekly

Directing scenes and one-act plays by major playwrights. Coordinate activities with ThA 2B.

ThA 20A-B-C-D - THEATRE PRODUCTION

3-3-3-3 Units

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly

Lectures and demonstrations in the theatre and its equipment; design, construction and handling of stage scenery, properties, lighting, costumes, make-up and techniques of production, including practical laboratory experience as members of crews for department productions.

Equivalent to Drama 103, SFVSC

Accepted for credit, UC (all branches)

ThA 22A-B - DIRECTED STUDIES IN THEATRE

1-3 Units

Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman

1-3 hours tutorial weekly

Designed for selected students who are interested in furthering their knowledge of the Theatre on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

ThA 24 - INTRODUCTION TO THE THEATRE

3 Units

Prerequisite: Satisfactory score on placement test.

3 hours lecture weekly.

Introduction to the theatre as an art form; appreciation of the theatre, past and present.

Accepted for credit, UC (all branches)

Equivalent to Drama 150, SFVSC

ThA 25 - PLAYWRITING

3 Units

Prerequisites: None

3 hours lecture weekly.

Designed for the student to develop his skills in writing for the theatre with a possible opportunity of production. (Co-number Engl. 25)

Accepted for credit, UC (all branches)

URBAN STUDIES

Urban 1A-B - CONTEMPORARY URBAN ISSUES

3 Units

Prerequisites: Enrollment in vocational program in Urban Studies or satisfactory score on placement test.

2 hours lecture, 3 hours laboratory weekly.

An interdisciplinary course focusing on the variety of current issues related to the urban setting such as: housing, education, law enforcement, racial conflict, pollution, land use and open space, urban renewal, and the government structure and finance necessary to meet the needs of people in the urban setting. Emphasis will be placed on field research in addition to lectures and library study. (3 units of the social science general education requirement under Section C and 3 units of breadth credit.)

Urban 22A-B - DIRECTED STUDIES IN SELECTED URBAN ISSUES

1-2 Units

Prerequisites: A course in the specific field and consent of the Institute Director

1-3 hours lecture weekly.

Designed for selected students who are interested in furthering their knowledge of urban issues on an independent study basis. Assigned topics will involve library, laboratory, and field study. Maximum of six units can be taken.

Urban 49A-B - DIRECTED WORK EXPERIENCE IN URBAN STUDIES

1-3 Units

Prerequisites: Consent of instructor and director of institute

5 - 10 hours weekly

On-the-job training for students under the supervision of instructor and employer. An introduction to policies, program practices and procedures in specific fields. Maximum of six units.

A number of special occupational programs are offered at Ventura College. Moorpark College students may well consider taking courses at both colleges and completing certain major requirements at Ventura. Programs in the following majors are specially offered at Ventura:

- Agriculture Mechanics
- Citrus-Avocado
- Crop Production
- Automotive Technology
- Welding
- Machine Shop
- Vocational Nursing (LVN)
- Registered Nursing (RN)

STATE COLLEGE GENERAL EDUCATION REQUIREMENTS

A Moorpark College student transferring to one of the California state colleges with 60 units of credit will satisfy the General Education breadth requirements for a bachelor's degree from the state college by completing the 40½ unit General Education pattern below. (The student is advised to consult the catalog of the state college he plans to attend for requirements unique to that college.)

I.	NATURAL SCIENCES	9 Units
II.	HUMANITIES	9 Units
III.	SOCIAL SCIENCES	9 Units
IV.	BASIC SKILLS	3½ Units
V.	BREADTH	6 Units
VI.	PHYSICAL EDUCATION & HEALTH	4 Units
	TOTAL:	40½ Units

I. NATURAL SCIENCES

A minimum of 9 units of Natural Sciences with at least one course from each of the following groups and including one laboratory course from either group.

GROUP A

An 1	General Human Anatomy
Anthro 1	Physical Anthropology
Biol 1	Principles of Biology
Biol 2A	General Biology
Biol 2B	General Biology
Biol 3A	Marine Biology
Biol 3B	Marine Biology
Biol 10	Seashore Life
Bot 1	General Botany
Bot 3	Plant Identification
Env. Sci. 2	Environmental Science II
Micro 1	Principles of Microbiology
Phys 1	Introduction to Human Physiology
Zoo 3	Biology of the Vertebrates

GROUP B

Chem 1A	General Chemistry
Chem 1B	General Chemistry
Chem 5	Quantitative Analysis
Chem 7A	Organic Chemistry
Chem 7B	Organic Chemistry
Chem 12	Elementary Chemistry I
Chem 13	Elementary Chemistry II
Env. Sci. 1	Environmental Science I
Geog 1	Physical Geography
Geol 2	Physical Geology
Geol 3	Historical Geology
Geol 15	Mineralogy & Crystallography
Geol 16	Petrology
Geol 21	Geology of California
Geol 31	Rocks and Minerals
	or
Geol 2L	Physical Geology Lab.
Geol 33	Introduction to Geologic Mapping
Geol 41	Geology of National Parks and Monuments
Geol 51	Western Field Geology
Ph 2A	General Physics
Ph 2B	General Physics
Ph 3	The Arts of Experimental Investigation
Ph 4A	Mechanics of Solids
Ph 4B	Mechanics of Fluids, Heat and Sound
Ph 4C	Electricity and Magnetism
Ph 4D	Optics and Modern Physics
Ph 10	Descriptive Physics
Ph 11A	Technical Physics
Ph 11B	Technical Physics
Phys Sci 1	Introduction to Physical Science
Phys Sci 5/ Geog 5	Introduction to Meteorology
Phys Sci 10	Sky and Telescope

2. HUMANITIES

A minimum of 9 units from the Humanities with at least one course from each of the following groups:

GROUP A

A minimum of three units of work from any Art or Music course or Humanities 6, 7, 8 or 15.

GROUP B

Any two 1½ unit courses from English 1 series (in addition to course from Section 4, Group A.)

GROUP C

Broad 1/Journ 1	Mass Communications
Cine 1	History of Motion Picture
Cine 2A/B	Art and Technique of Film
Engl 10A/B	Creative Writing
Engl 11	Radio & Television Writing
Engl 13	Major Mexican Writers
Engl 15A/B	Survey of Engl Lit
Engl 17	Shakespeare
Engl 18	Modern American Novel
Engl 19	Intro to Short Story
Engl 21	Contemporary Novels
Engl 25/ThA 25	Playwriting
Engl 27/Fr 4	Contemporary French Literature in Translation
Engl 28/Span 4	Hispanic Culture and Civilization
Engl 30	Masterpieces of World Lit
Engl 31	Masterpieces of World Lit
Engl 35A/B	Survey of American Lit
Engl 45	Mexican American Lit in English
Engl 46	Afro-American Lit in English
Foreign Language	
Hist 1A/B	Western Civilization
Hist 4	History of Mexican People in SW
Journ 2	News Reporting and Writing
MAS 2	Mexican-American Culture
MAS 13/ThA 11A	Contemporary Mexican-American Theatre
Phil 1A	Intro to Philosophy
Phil 3	Comparative Religions
Phil 10	Contemporary Black Thought
Phil 11	Psychology of Religion - East and West
Phil 12	Religion, Values, and Peak Experiences
Photo 1A	Beginning Photography
Speech 1	Intro to Speech
Speech 2	Elements of Public Speaking
Speech 5	Elementary Oral Interpretation
ThA 2A	Fundamentals of Acting
ThA 24	Intro to The Theatre

3. SOCIAL SCIENCES

A minimum of 9 units from the Social Sciences with at least one course from each of the following groups:

GROUP A

Hist 5	United States History
Hist 7A/B	Social/Political History of US
MAS 4/Hist 4	History of the Mexican People in the SW

GROUP B

PSc 1	Intro to Government
PSc 2	Comparative Government
PSc 3	American Government
PSc 8/MAS 8	Political Patterns in the U.S.
PSc 9	Adjudication of Social Issues
PSc 10	Intro to Public Administration
Urban 1A/B	Contemporary Urban Issues

GROUP C

Anthro 2	Cultural Anthropology
Anthro 3	Archeology
Anthro 5	Field Archeology
Anthro 7	Peoples & Cultures of World
BSci 1	Intro to Behavioral Sciences
BSci 2	Interpersonal Behavior
Econ 1A/B	Principles of Economics
Geog 2	Elements of Cultural Geog
Geog 3	Geog of World Affairs
Geog 9	Environmental Design
Geog 10	Geog of California
Hist 3	Afro-American History
Hist 8	History of California
Hist 9A/B	History of the Americas
Hist 10A/B	African Hisotry
Hist 15A/B	Intro to History of Asia
MAS 1	Mexican American in Contemporary Society
MAS 7	Field Work in Barrio Studies
PSci 4	International Relations
PSc 7	Minority Groups
Psych 1A	Intro to Psychology
Psych 1B	Intro to Experimental Psych
Psych 2	General Psychology
Psych 3	Personal & Social Adjustment
Psych 4	Child Psychology
Psych 5	Social Psychology
Soc 1	Intro to Sociology
Soc 2	Social Problems
Soc 3	Social Analysis
Soc 5	Minority Group Relations

4. BASIC SKILLS

A minimum of 3½ units with at least one course from each of the following groups:

GROUP A

One 1½ unit course from the English 1 series (in addition to courses from Section 2, Group B)

GROUP B

Read 4A	Techniques of Reading
Math 3	Intermediate Algebra
Math 7	College Algebra & Trigonometry
Math	All math classes numbered above 10
Phil 2	Intro to Logic
Speech 1	Intro to Speech
Speech 2	Elements of Public Speaking
Speech 5	Elementary Oral Interpretation
ThA 2	Fundamentals of Acting
ThA 10	Rehearsal and Performance
ThA 11B	Contemporary Mexican-American Theatre

5. BREADTH ELECTIVES

A minimum of 6 units of course work from any of the courses listed in the four basic areas provided the courses are outside the student's major. Additional courses which may be selected include the following:

Bus 42	Economics of Enterprise
ECD 30A	Child Growth and Development
Engr 4	Engineering Graphics w/Descriptive Geometry
HE 10	Nutrition
Hum 1A or 1B	Man in Society
PG 1	Personal Growth - Rap - focus (one unit only)
Rec 1	Introduction to Community Recreation.

6. PHYSICAL EDUCATION AND HEALTH

A minimum of two class hours per week of each semester in which the student is in attendance, until the graduation requirement is met. A 2-unit health education course is required.

ADMINISTRATION OF JUSTICE

LAW ENFORCEMENT

Faculty: Jack Fleming, Coordinator; James Lane, Mitchell Smith
Counselor: Bill Bendat

The police science program offers comprehensive training for a professional career in law enforcement and allied fields. This program is designed for majors in law enforcement expecting to transfer to a state college with a major in Police Science, Police Administration or Criminology, or Correctional Administration.

REQUIRED COURSES IN THE MAJOR

Fresno State College		
LE 1	Introduction to Law Enforcement	3
LE 9	Firearms	1
LE 10	Patrol Procedures	3
LE 13	Traffic Control	
Photo 1A	Beginning Photography	3
LE 25	Rescue First Aid	2
California State College, Los Angeles		
LE 1	Introduction to Law Enforcement	3
LE 4	Criminal Law	3
LE 8	Criminal Evidence	3
LE 15	Administration of Justice	3
LE 11	Criminal Investigation	3
LE 13	Traffic Control	3
LE 10	Patrol Procedures	3
LE 25	Rescue First Aid	2

REQUIRED GENERAL EDUCATION COURSES

Fresno		
Soc 1	Introduction to Sociology	3
Soc 2	Social Problems	3
Psych 2	General Psychology	3
Psych 3	Personal and Social Adjustment	3
Speech 1	Introduction to Speech	3
CSCLA		
Speech 1	Introduction to Speech	3
Soc 1	Introduction to Sociology	3
Psych 2	General Psychology	3
Psych 3	Personal & Social Adjustment	3

RECOMMENDED GENERAL EDUCATION COURSES

Fresno		
LE 12	Defense Tactics	½
Speech 2	Elements of Public Speaking	3
CSCLA		
LE 12	Defense Tactics	½
Photo 1A	Beginning Photography	3
LE 9	Firearms	1
Soc 2	Social Problems	3
Speech 2	Elements of Public Speaking	3

CORRECTIONAL ADMINISTRATION

Counselor: Bill Bendat

The Correctional Administration program offers comprehensive training for a professional career in corrections and allied fields. This program is designed for majors in corrections expecting to transfer to a state college with a major in Police Science, Police Administration or Criminology or Correctional Administration.

REQUIRED COURSES IN THE MAJOR

LE 4	Criminal Law	3
LE 7+	Minority Group Relations	3
LE 14*	Juvenile Procedures	3
LE 15*	Administration of Justice	3
CA 1+	Introduction to Probation, Parole, & Corrections	3
CA 6*	Interpersonal Relations	3
CA 7*	Interviewing, Counseling & Tutoring	3
CA 8*	Techniques of Group Counseling	3

REQUIRED GENERAL EDUCATION COURSES

Science		9
English		6
Hist 5	United States History	3
PSC 3	American Government	3
Art/Mus		3
HS 1	Health and Society	2
Hum. Elective		3
Basic Skills Elective		3

A student currently employed in the field may receive an In-service Certificate in CORRECTIONAL ADMINISTRATION upon successful completion of the courses marked * plus the courses marked + and 9 additional units in General Education.

RECOMMENDED COURSES FOR THE MAJOR

Psych 3	Personal & Social Adjustment	3
Soc 1	Introduction to Sociology	3
Soc 2	Social Problems	3
Mas 2 *	Mexican-American Culture	3
Speech 1 *	Introduction to Speech	3

*Will satisfy Hum elective

**Two-Year Program
REQUIRED COURSES IN THE MAJOR**

LE 4	Criminal Law	3
LE 7	Minority Group Relations	3
LE 14	Juvenile Procedures	3
LE 15	Administration of Justice	3
CA 1	Introduction to Probation, Parole & Corrections	3
CA 6	Interviewing, Counseling & Tutoring	3
CA 8	Techniques of Group Counseling	3

RECOMMENDED COURSES FOR THE MAJOR

Psych 3	Personal and Social Adjustment	3
Soc 4	Marriage and the Family	3
MAS 2	Mexican-American Culture	3
Speech 1	Introduction to Speech	3

**ADMINISTRATION OF JUSTICE
PEACE OFFICER**

Counselor: Bill Bendat

The field of law enforcement provides many rewarding and responsible positions for both men and women law enforcement officers. This program meets the California State requirements for the Peace Officers Standard Training (POST).

REQUIRED COURSES IN THE MAJOR

+LE 1	Introduction to Law Enforcement	3
*LE 4	Criminal Law	3
*LE 8	Criminal Evidence	3
*LE 15	Administration of Justice	3
LE 9	Firearms	1
*EE 7	Minority Group Relations	3
*LE 10	Patrol Procedures	3
*LE 11	Criminal Investigation	3
LE 13	Traffic Control and Investigation	3
LE 14	Juvenile Procedures	3
LE 12	Defense Tactics	½
LE 25	Rescue First Aid	2

RECOMMENDED COURSES FOR THE MAJOR

LE 5	Investigative Report Writing	1
LE 16	Arrest, Search and Seizure	3
LE 18	Narcotics Investigation	3
LE 19	Vice Control	3
LE 20	Police Administration	3
LE 21	Criminalistics	3
LE 27	Civil Duties and Procedures	3
Photo A 1	Beginning Photography	3
Bus 11A	Beginning Thpewriting	3
Pol Sci 10	Introduction to Public Administration	3
LE 50	Law Enforcement Institutes	1

A student currently employed in the field may receive an In-service Certificate in ADMINISTRATION OF JUSTICE upon successful completion of the courses marked * and 6 additional units in General Education for a total of 21 units.

A student not currently employed in the field may receive a Pre-service Certificate in ADMINISTRATION OF JUSTICE upon successful completion of the courses marked * plus the courses marked + and 9 additional units in General Education.

**PROBATION AND PAROLE
ASSISTANT**

Counselor: Bill Bendat

The probation-parole assistant program is designed to prepare students for a variety of correctional, supervisory, and probation assistant positions in the criminal justice field.

REQUIRED COURSES IN THE MAJOR

CA 1	Introduction to Probation, Parole and Corrections	3
CA 6	Interpersonal Relations	3
CA 7	Interviewing, Counseling, Tutoring	3
CA 8	Techniques of Group Counseling	3
LE 4	Criminal Law	3
LE 1	Introduction to Law Enforcement	3
LE 14	Juvenile Procedures	3
LE 7	Minority Group Politics	3

RECOMMENDED COURSES IN THE MAJOR

Soc 4	Marriage and the Family	3
Soc 8	Minority Group Relations	3
Speech 15	Practical Speech	3
Bus 51	Personnel Management	3
Psych 3	Personal & Social Adrjgment	3
Soc 22	Directed Studies in Sociology	3
Bus 11A	Beginning Typewriting	3
LE 15	Administration of Justice	3

*Optional

AGRICULTURE

Faculty: Donald Anderson, R. Bruce Spiller

Counselor: Bud Camillucci

The general agriculture major prepares students for diversified farming where a knowledge of farm crops, livestock, and farm machinery is necessary. The curriculum is not intended to replace majors of Agriculture in which students specialize in a single field. The requirements are flexible and especially well adapted to students interested in teaching vocational agriculture. Many graduates have found positions with county, state, and federal agencies, or in business and services related to agriculture.

REQUIRED COURSES IN THE MAJOR

Fresno State College		
AH 1	Introduction to Animal Husbandry	3
AH 2	Feeds & Feeding	3
Agron 1	Introduction to Agronomy	3
Ag 21	Soils	3
Ent 1	Economic Entomology	3
Hort 1	Introduction to Horticulture	3
AB 2	Record Keeping	3
California Polytechnic College		
AH 1	Introduction to Animal Husbandry	3
AH 2	Feeds & Feeding	3
Agron 1	Intro to Agronomy	3
Ag 21	Soils	3
Ent 1	Economic Entomology	3
Hort 1	Introduction to Horticulture	3
AB 2	Record Keeping	3

REQUIRED GENERAL EDUCATION COURSES

Fresno State College		
Chem 12	Elementary Chem 1	4
Econ 1A	Principles of Economics	3
Math 3	Intermediate Algebra	4
Chem 1A	General Chemistry	5
Bot 1	General Botany	5
California Polytechnic College		
Chem 12	Elementary Chemistry I	4
Math 1AB	Elementary Algebra	3,2
Bot 1	General Botany	5
Micro 1	Principles of Microbiology	5

ANIMAL HUSBANDRY/ AGRI-BUSINESS

Counselor: Bud Camillucci

This program provides training in the selection, care, development, and marketing of commercial animals for sale. There are many current employment opportunities in our community, positions requiring this training, e.g., livestock grower and meat wholesaler.

REQUIRED COURSES IN THE MAJOR

AH 1	Introduction to Animal Husbandry	3
AH 2	Feeds & Feeding	3
AB 1	Introduction to Agriculture Business	3
AB 2	Record Keeping	3
Agron 1	Introduction to Agronomy	3

RECOMMENDED COURSES FOR THE MAJOR

Ag 21	Soils	3
AH 5	Horse Husbandry	3
AH 6	Horse Husbandry II	3
Speech 15	Practical Speech	3
AG 22	Directed Studies in Agriculture	1-3

FORESTRY TECHNICIAN

Counselor: Bud Camillucci

The program in Forestry provides a broad general education in the arts and sciences to develop an individual with a broad and well-rounded education; and a core of basic courses which furnish the student with a perspective of the scientific and professional area of Forestry.

REQUIRED COURSES IN THE MAJOR

Humboldt State College		
For 1	Introduction to Forestry	3
For 2	Natural Resources	3
Ag 21	Soils	3
Biol 2A	General Biology	4
Bot 1	General Botany	5
Bot 3	Plant Identification	4
Math 7	College Algebra & Trigonometry	5
Math 25A	Calculus/with Analytic Geometry	5
Engl 8A	Plane Surveying	3
DP 1	Introduction to Data Processing	3
DP 4A	Computer Programming	3
University of California, Berkeley		
Biol 2A-B	General Biology	4,4
Chem 1A-B	General Chemistry	5,5
Ph 2A-B	General Physics	3,3
Econ 1A-B	Principles of Economics	3,3
Geol 2	Physical Geology	3
Geol 2L	Physical Geology Laboratory	1
Math 15	Introduction to Statistics	4
Math 16A-B	Applied Calculus	3,3
Engr 8A	Plane Surveying	3

RECOMMENDED COURSES IN THE MAJOR

Humboldt State College		
Chem 12	Elementary Chem I	4

LANDSCAPE HORTICULTURE

Counselor: Bud Camillucci

This program is designed to provide a background of education and experience in Landscape Horticulture with some training in the business field. The change from rural to suburban living and development of recreational facilities is creating an increasing demand for persons in this field.

REQUIRED COURSES IN THE MAJOR

Hort 1	Introduction to Horticulture	3
Hort 2	Plant Structure	3
Hort 3	Plant Propagation	3
LH 25A/B	Turfgrass Management	3-3
Hort 4	Plant Identification	4
Ag 21	Soils	3
Ent 1	Economic Entomology	3
AB 1	Introduction to Agriculture Business	3
Hort 5	Landscape Construction and Maintenance	3
Hort 6	Landscape Design	3

RECOMMENDED COURSES FOR THE MAJOR

Hort 7	Nursery Practice	3
Ag 22A	Directed Studies in Agriculture	1-3
Chem 12	Elementary Chemistry 1	4
Speech 15	Practical Speech	3
Biol 2A	General Biology	4

NATURAL RESOURCES TECHNICIAN

Counselor: Bud Camillucci

Forests, rangelands, wildlife and water are part of our country's great wealth of natural resources. This program is designed to train forestry aides or forestry technicians who assist foresters in managing and caring for both public and private forest lands. Primarily, employment opportunities are with the State and Federal Government.

REQUIRED COURSES IN THE MAJOR

For 1	Introduction to Forestry	3
For 2	Natural Resources	3
For 3	Forest Protection	3
For 4	Fish and Game Management	3
AH 1	Introductory Animal Husbandry	3
Hort 3	Plant Propagation	3
Hort 4	Plant Identification	4
Ag 21	Soils	3
Ent 1	Economic Entomology	3

RECOMMENDED COURSES FOR THE MAJOR

LH 23	Landscape Gardening and Management	3
Bus 11A	Beginning Typewriting	3
Hort 2	Plant Structures	3
Bus 11B	Intermediate Typewriting	3
Chem 12	Elementary Chemistry I	4
ET 4	Blueprint Reading	2
ET 64	Intro to Machine Shop	3
FSc 90	Intro to Fire Protection	3
FSc 91	Intro to Fire Suppression	3

ANTHROPOLOGY

ANTHROPOLOGY

Faculty: Norman Alger, Robert Lopez, Karla Rolff

Counselor: Jeff Ferguson

Anthropology is the study of man and his learned social behavior--his culture. Anthropology attempts to study all men at all times. The broadness of this approach to human behavior has made it necessary to divide the study of anthropology into the four interrelated subdisciplines of cultural anthropology, physical anthropology, anthropological linguistics and archeology. The majority of anthropologists are employed in teaching or research in universities or colleges. However, there are also opportunities for employment in various government jobs or in museums. Graduate school training is a normal prerequisite for professional work in anthropology.

REQUIRED COURSES IN THE MAJOR

CULTURAL EMPHASIS

University of California, Santa Barbara			San Fernando Valley State College		
Anth 1	Physical Anthropology	3	Anth 1	Physical Anthropology	3
Anth 2	Cultural Anthropology	3	Anth 2	Cultural Anthropology	3
PHYSICAL EMPHASIS					
Anth 1	Physical Anthropology	3	Choose TWO courses from the following:		
Anth 2	Cultural Anthropology	3	Afro-American Studies	History	
An 1	General Human Anatomy	4	Biology	Mexican-American Studies	
Phys 1	Intro to Human Physiology	4	Economics	Political Science	
			Geography	Psychology	
			Geology	Sociology	

ART

Faculty: Kirk Aiken, Department Head; William Dodgen; Jack Noyes ;
Frank Sardisco; Delmore Scott; James Sturgeon; John Gray
Counselor: Carole Ginet

For the student who is interested in art as a career, this curriculum will prepare him for advanced work in an art school, or for further intensive work in the field of his choice. If the student plans to transfer to a university he should consult the catalog of that university for requirements.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Art 1A-1B	Art History	3,3
Art 4A-B-C	Color and Design	2,2,2
Art 12A-B	Drawing and Composition	2,2
Art 19A	Sculpture (Fine Arts or Crafts option)	2
Art 16A-B	Painting (Fine Arts Option)	2,2
Art 8A	Ceramics (Ceramics Option)	2
Photo 1A	Beginning Photography (Design Option)	3
University of California, Santa Barbara		
Art 1A-B	Art History	3,3
Art 4A-B-C	Color and Design	2,2,2
Art 12A-B	Drawing & Composition	2,2
Art 16A-B	Painting	2,2
Art 19A	Sculpture	2

REQUIRED GENERAL EDUCATION COURSES

University of California, Santa Barbara	
For Lan	Foreign Language (3 semesters or 5 quarters)

RECOMMENDED GENERAL EDUCATION COURSES

San Fernando Valley State College	
Hist 1A-B	Introduction to Western Civilization 3,3
University of California, Santa Barbara	
Hist 1A-B	Introduction to Western Civilization 3,3

BIOLOGICAL SCIENCES

Faculty: Clinton Schonberger, Department Head; David Bishop, William
Brisby; Richard Gilman; Larry Miller; Jack Reynolds; Carol Snyder

BIOLOGY

Counselor: William Jay

The word "biology" is from two Greek words meaning "life" and "science"— or the science of life. Thus, the biologist is concerned with the world of living things— men and microbes, wild and domestic animals, plants and insects, birds and fish. Some scientists in this field conduct research to expand our knowledge about living organisms; others teach in colleges and universities and also conduct research. Still others apply biological knowledge to the solution of practical problems in drug research, agriculture, and conservation. Graduates also find satisfying employment in fisheries, forestry, wildlife management, food processing, public health, fermentation, and medical research.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College	
Biol 2A-B	General Biology 4,4
Math 15	Introduction to Statistics 4
Chem 1A-B	General Chemistry 5,5
Chem 7A-B	Organic Chemistry 5, 5
Ph 2A-B	General Physics 4,4
University of California, Santa Barbara	
Biol 2A-B	General Biology 4,4
Chem 1A-B	General Chemistry 5,5
Chem 7A-B	Organic Chemistry 5,5
Math 16A-B	Applied Calculus 3,3
Ph 2A-B	General Physics 4,4

REQUIRED GENERAL EDUCATION COURSES

University of California, Santa Barbara	
For Lan	Foreign Language 4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

San Fernando Valley State College	
Bot 1	General Botany 5
Bot 3A-B	Plant Identification 2,2
UCSB	
Bot 1	General Botany 5
Bot 3A-B	Plant Identification 2,2

PHYSICAL THERAPY

Counselor: Ron Zaboski

Physical Therapists help persons with muscle, nerve, joint, or bone diseases or injuries to overcome their disabilities. A student majoring in physical therapy may anticipate employment in a doctor's office, in a public or private hospital, in a clinic, or he may have a private practice of his own. Opportunities may also be found in public agencies, governmental services, and in industrial applications.

REQUIRED COURSES IN THE MAJOR

University of California, Los Angeles	
Chem 1A-B	General Chemistry 5,5
Biol 2A-B	General Biology 4,4
Phys 1	Intro to Physiology 4
An 1	General Human Anatomy 4
Ph 2A-B	General Physics 4,4
Math 7	College Alg./Trig 5

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language 4,4,4
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RECOMMENDED GENERAL EDUCATION COURSES

Hist 7A	Social/political History of U.S. 3
Pol Sci 3	American Government 3

DENTAL

Counselor: Phyllis Cool

Most graduates of the dental curriculum enter the field of general practice. However, today more and more dentists are entering the field of public health. Specialty fields such as oral surgery, orthodontics, and the control of dental disease offer opportunities for those interested and qualified in the additional work that will prepare them for those specialties.

REQUIRED COURSES IN THE MAJOR

University of California, Los Angeles	
Chem 1A-B	General Chemistry 5,5
Chem 5	Quantitative Analysis 4
Chem 7A-B	Organic Chemistry 5,5
Biol 2A-B	General Biology 4,4
Math 16A	Applied Calculus 3
University of Southern California	
Chem 1A-B	General Chemistry 5,5
Chem 5	Quantitative Analysis 4
Chem 7A-B	Organic Chemistry 5,5
Biol 2A-B	General Biology 4,4
Math 16A	Applied Calculus 3

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language 4,4,4
Psych 2	General Psychology 3
Engl 1	Composition & Literature 3,3

RECOMMENDED GENERAL EDUCATION COURSES

Pol Sci 3	American Government 3
Phil 1A	Introduction to Philosophy 3
Hist 7A-B	Social/Political History of U.S. 3,3

DENTAL HYGIENE

Counselor: Phyllis Cool

The major in dental hygiene prepares the student for work in a private dental office, in the field of public health, in public schools, in industrial clinics, in public and private hospitals, or as a research worker.

REQUIRED COURSES IN THE MAJOR

University of California, Los Angeles		
Biol 2A-B	General Biology	4,4
Chem 1A-B	General Chemistry	5,5

REQUIRED GENERAL EDUCATION COURSES

Engl 1	Composition and Literature	3,3
Psych 2	General Psychology	3
For Lan	Foreign Language	4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

Hist 7A-B	Social/Political History of U.S.	3,3
Pol Sci 3	American Government	3
Phil 1A	Introduction to Philosophy	3

MEDICINE

Counselor: John Heydenreich

The field of medicine has been considered for over three thousand years to be one of the humane arts. The curriculum leading to the degree of Doctor of Medicine provides the student with the means by which he may prepare himself for the demanding profession in which he is responsible for the care of patients; for the cure and prevention of illness; and for teaching and research. Graduates may elect further training for a choice of careers; special practice in surgery; pediatrics; psychiatry; academic medicine; public health; and in industrial medicine.

REQUIRED COURSES IN THE MAJOR

University of California, Los Angeles		
Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4
Chem 7A-B	Organic Chemistry	5,5
Biol 2A-B	General Biology	4,4
Math 16A	Applied Calculus	3

University of Southern California		
Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4
Chem 7A-B	Organic Chemistry	5,5
Biol 2A-B	General Biology	4,4
Math 16A	Applied Calculus	3

REQUIRED GENERAL EDUCATION COURSES

UCLA		
Hist 7A	Social/Political History of the U.S.	3
Pol Sci 3	American Government	3
Engl 1	Composition and Literature	3
For Lan	Foreign Language	4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

UCLA		
Psych 1A	Introduction to Psychology	3
Phil 1A	Introduction to Philosophy	3

VETERINARY MEDICINE

Counselor: Bud Camilucci

Career opportunities are many and varied for those trained to alleviate and prevent diseases in animals. Caring for the nation's animals attracts the majority of the graduates into private practice. However, fields such as teaching, research, government service, space medicine, public health, bio-medical research, laboratory animal medicine, and drug research are attracting more and more of those trained in veterinary medicine.

REQUIRED COURSES IN THE MAJOR

California State College, Davis		
Chem 1A-B	General Chemistry	5,5
Chem 7A-B	Organic Chemistry	5,5
Chem 5	Quantitative Analysis	4
Ph 2A-B	General Physics	4,4
Biol 2A-B	General Biology	4,4
AH 1	Intro. Animal Husbandry	3

RECOMMENDED GENERAL EDUCATION COURSES

For Lan Foreign Language 4,4

BROADCASTING

Faculty: Alfred Miller, Robert Reynolds, Richard Studebaker
Counselor: Carole Ginot

There are ever increasing demands for personnel in the Broadcasting industry. The Radio and Television program provides specific pre-employment training for students wishing to prepare for careers in radio and television. It also furnishes the necessary background for students who plan to seek a baccalaureate or higher degree in the broadcasting field in a senior college. Students may plan careers in any field that involves public information or public opinion.

REQUIRED COURSES IN THE MAJOR Transfer Program

San Fernando Valley State College		
Broad 1	Mass Communications	3
Broad 2	Broadcast Studio Operations	3
Journ 2	News Reporting	3
Broad 7	Radio Production Workshop	3

University of California, Los Angeles		
ThA 2A	Fundamentals of Acting	3
ThA 20A-B	Theatre Production	3,3
Engl 15A-B	English Literature	3,3

RECOMMENDED COURSES FOR THE MAJOR

SFVSC		
Broad 3	Television Workshop	2
Broad 4	Television Directing	2
Broad 5	Radio-TV Writing	2
Broad 6A-B	FCC License Review	3,3

UCLA		
For Lan	Foreign Language	4,4,4
Broad 3	Television Workshop	2
Broad 4	Television Directing	2
Broad 5	Radio-TV Writing	2
Broad 6A-B	FCC License Review	3,3

RECOMMENDED GENERAL EDUCATION COURSES

SFVSC		
Speech 1	Introduction to Speech	3
Speech 5	Oral Interpretation	3
Engl 10A	Creative Writing	3

REQUIRED COURSES IN THE MAJOR Non-Transfer Program

SFVSC		
Broad 1	Mass Communications	3
Broad 2	Broadcast Studio Operations	3
Broad 3	Television Workshop	2
Broad 4	Television Directing	2
Broad 5	Radio-Television Writing	2
Broad 6A-B	FCC License Review	3,3

RECOMMENDED COURSES FOR THE MAJOR

Art 4A	Color and Design	2
ET 48	Introduction to Television Systems	3
Speech 15	Practical Speech	3
ThA 2A	Fundamentals of Acting	3
Broad 7	Radio Production Workshop	3
Broad 8	Voice and Diction	3
ThA 20A-B	Theatre Production	3,3
Cine 2A-B	Art and Techniques of Film	3,3

BUSINESS

Faculty: William Rodgers, Department Head; Kenneth Ainge; Sharon Biderman, Donald Bowen; Tanya Burke; Marjorie Corbell; William Dickneider; Richard Perry

BUSINESS ADMINISTRATION

BUSINESS ADMINISTRATION

Counselor: Gary Brinkman

A business administration program is designed to prepare students for eventual responsible executive positions in business and government. Training is provided also for those who wish to equip themselves for professional types of employment, such as business research and statistics, operations research, advertising, real estate appraisal, and business and economic consulting.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			
Econ 1A-B	Principles of Economics	3,3	
Bus 1A-B	Accounting Principles	3,3	
Bus 33A	Business Law I	3	
Math 7	College Algebra/Trigonometry	5	
or			
Math 12	College Algebra w/Business Applications	5	
or			
Math 16A	Applied Calculus	3	
or			
Math 25A	Calculus w/Analytic Geometry I	5	
San Jose State College			
Econ 1A-B	Principles of Economics	3,3	
Bus 1A-B	Accounting Principles	3,3	
Bus 33A	Business Law I	3	
Math 15	Introductory Statistics	4	

BUSINESS MANAGEMENT

Counselor: Gary Brinkman

This program is designed to provide the student with job skills to permit him to serve in a business management position in business or industry. A student is assisted in permanent placement upon completion of the A.A. degree in Management.

REQUIRED COURSES IN THE MAJOR

Bus 42	Economics of Enterprise	3	
or			
Bus 30*	Introduction to Business	3	
Bus 37+	Marketing	3	
Bus 31*	Business Organization and Management	3	
Bus 39*	Business Communications	3	
Bus 36	Merchandising	3	
Bus 9A-B	Business Lectures	1	
Bus 33A	Business Law I	3	
Psych 3	Personal & Social Adj.	3	
Bus 50*	Elements of Supervision	3	
Bus 44	Business Mathematics	1	

RECOMMENDED COURSES FOR THE MAJOR

Bus 40	Personal Finance	3	
Bus 3*	Applied Accounting	3	
Econ 10	The American Economy	3	
Bus 7	Calculating Machines	3	
DP 1+	Intro to Data Processing	3	
Speech 15	Practical Speech	3	
Bus 49A	Directed Work Experience	1-3	

A student currently employed in the field may receive an in-service Certificate in Business Management upon successful completion of the courses marked and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-Service Certificate in Business Management upon successful completion of the courses marked* plus the courses marked+ and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

INDUSTRIAL SUPERVISION

Counselor: Gary Brinkman

This program is designed both for students wishing to enter into the industrial supervisory field and those now currently employed in an industry supervisory position. Students may qualify for a Certificate in Industrial Supervision that is both highly practical as well as theoretical. This program is designed to provide assistance to management in the development of qualified foremen and supervisors for industry.

REQUIRED COURSES FOR THE MAJOR

Bus 50*	Elements of Supervision	3
Bus 31*	Business Organization & Management	3
Bus 51*	Personnel Management	3
Bus 52+	Labor Management Relations	3
Bus 53*	Cost and Job Control for Supervisors	3
Bus 33A	Business Law I	3
Bus 9A-B	Business Lectures	1
Bus 33A	Business Law I	3
Psych 3	Personal & Social Adj.	3

RECOMMENDED COURSES FOR THE MAJOR

Econ 10	American Economy	3
Bus 37	Marketing	3
Bus 39+	Business Communications	3
DP 1	Intro to Data Processing	3
Bus 49A-B	Directed Work Experience	1-3
Bus 40	Personal Finance	3
Bus 3*	Applied Accounting	3

Evening students may substitute 6 units of General Education electives for Certificate program and 12 units for the A.A. degree.

*A student currently employed in the field may receive an In-service Certificate in INDUSTRIAL SUPERVISION upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in INDUSTRIAL SUPERVISION upon successful completion of the courses marked * plus the courses marked + and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

RETAILING/MARKETING

Counselor: Gary Brinkman

Training in the marketing field can lead to employment by insurance companies, manufacturing firms, retailers, and wholesalers. Sales people are required for such diverse fields as specialty shops and automobile dealers. The movement of goods and services through good marketing procedures is a prime necessity of our economic system.

REQUIRED COURSES IN THE MAJOR

Bus 42	Economics of Enterprise	3
or		
Bus 30*	Introduction to Business	3
Bus 37*	Marketing	3
Bus 35*	Salesmanship	3
Bus 31	Business Organization and Management	3
Bus 36*	Retail Merchandising	3
Bus 33A	Business Law I	3
Bus 50	Elements of Supervision	3
Bus 9A-B	Business Lectures	1
DP 1	Intro to Data Processing	3

RECOMMENDED COURSES FOR THE MAJOR

Bus 40	Personal Finance	3
Econ 10	The American Economy	3
Bus 3*	Applied Accounting	3
Bus 49A-B	Directed Work Experience	1-3
Bus 39+	Business Communications	3
Bus 38+	Advertising	3

*A student currently employed in the field may receive an In-service Certificate in RETAILING/MARKETING upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in RETAILING/MARKETING upon successful completion of the courses marked * plus the courses marked + and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

SECRETARY

HOME ECONOMICS

Counselor: Gary Brinkman

This program is designed to provide instruction for women in their two career fields of homemaking and business employment. The business skill of typing provides employment opportunities as a clerk-typist or receptionist and the homemaking skills provide appropriate training for the management of a family and a home environment.

REQUIRED COURSES FOR THE MAJOR

Bus 11A	Beginning Typewriting	3
Bus 11B	Intermediate Typewriting	3
Bus 40	Personal Finance	3
Bus 16	Office Machines	2
Bus 20A	Beginning Shorthand	3
Bus 30	Introduction to Business	3
or		
Bus 42	Economics of Enterprise	3
HE 30	Apparel Selection and Grooming	3
HE	Electives	7
Bus 9A-B	Business Lectures	1
Psych 3	Personal & Social Adjustment	3

RECOMMENDED COURSES FOR THE MAJOR

Bus 12A	Advanced Typewriting	3
Bus 12B	Production Typewriting	3
Soc 4	Marriage and the Family	3
HE 49A	Directed Study	1-3
or		
Bus 49A	Directed Work Experience	1-3
DP 1	Intro to Data Processing	3
Bus 20B	Intermediate Shorthand	3

STENOGRAPHY

Counselor: Gary Brinkman

This program is designed to provide entry-level employment in a secretarial position requiring a high level of stenographic ability.

REQUIRED COURSES IN THE MAJOR

Bus 12A	Advanced Typewriting	3
Bus 12B	Production Typewriting	3
Bus 20A	Beginning Shorthand	3
Bus 20B	Intermediate Shorthand	3
Bus 21	Speed Building & Transcription	5
Bus 15	Secretarial Procedures	5
Bus 9A-B	Business Lectures	1
Bus 7	Calculating Machines	3
Bus 16	Office Machines	2
Bus 39	Business Communications	3
Bus 19	Records Management	2

RECOMMENDED COURSES FOR THE MAJOR

Bus 49A-B	Directed Work Experience	1-3
Bus 42	Economics of Enterprise	3
or		
Bus 30	Intro to Business Principles	3
Bus 40	Personal Finance	3
HE 30	Apparel Selection and Grooming	3
Read 4A	Techniques of Reading	2

TYPING

Counselor: Gary Brinkman

This program is designed to provide entry-level job skills in a secretarial position emphasizing typing and machine transcription responsibilities with a minimum amount of stenography.

REQUIRED COURSES IN THE MAJOR

Bus 11A+	Beginning Typewriting	3
Bus 11B+	Intermediate Typewriting	3
Bus 12A*	Advanced Typewriting	3
Bus 12B*	Production Typewriting	3
Bus 7+	Calculating Machines	2
Bus 16	Office Machines	3
Bus 3	Applied Accounting	3
Bus 9A-B	Business Lectures	1
Bus 40	Personal Finance	3
Bus 19*	Records Management	2

RECOMMENDED COURSES FOR THE MAJOR

Bus 20A*	Beginning Shorthand	4
Bus 20B*	Intermediate Shorthand	4
Bus 42	Economics of Enterprise	3
or		
Bus 30	Intro to Business Principles	3
Soc 4	Marriage in the Family	3
Bus 39+	Business Communications	3

*A student currently employed in the field may receive an In-Service Certificate in SECRETARIAL upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-Service Certificate in SECRETARIAL upon successful completion of the courses marked + plus the courses marked + and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

CHEMISTRY

Faculty: Eugene Berg, Richard Kurtik, Robert Miller, David Murphy, Susan Patterson, David Wagner
Counselor: William Jay

Chemists are concerned with the composition and properties of substances and changes in their composition; they search for new knowledge of the chemistry of matter and for ways of using this knowledge. Chemistry is by far the largest field of employment in the sciences. A wide range of opportunities awaits the chemist in business, industry, government, and in the field of education. Approximately three-fourths of all chemists are employed by private industry in such fields as petroleum, primary metals, electrical equipment, aerospace, paper, food, and rubber. The graduate can find many applications for his training, such as teaching, research, management, production, and sales. Also government agencies of all sorts are in need of personnel with such training.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4
Chem 7A	Organic Chemistry	4
Math 25A-B-C	Calculus with Analytic Geometry	5,5,5
Math 35	Applied Differential Equations	3
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3
Ph 4C	Electricity & Magnetism	3
Ph 4D	Optics & Modern Physics	3
Ger 1A-B	German	4,4

University of California, Santa Barbara		
Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4
Chem 7A-B	Organic Chemistry	5,5
Math 25A-B-C	Calculus with Analytic Geometry	5,5,5
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3
Biol 2A	General Biology	4
Ger 1A-B	German	4,4
or		
Fr 1A-B	French	4,4

DATA PROCESSING

Faculty: Don Medley, Max Garbutt
Counselor: Knox Long

Designed to prepare students for employment in business utilizing data processing equipment. Training is provided in data processing machines, data processing systems and computer programming. Completion of this curriculum should qualify students for employment as entry-level programmers or as management trainees in stored programming.

REQUIRED COURSES IN THE MAJOR

DP1*	Introduction to Data Processing	3
DP 4A*	Computer Programming I	3
DP 4B*	Computer Programmin II	3
DP 6*	Data Processing Systems	3
DP 5	Computer Programmin BAL	3
Bus 31*	Business Organization and Management	3
Bus 1A+	Accounting Principles	3
Bus 1B+	Accounting Principles	3
Bus 8	Business Lectures	3

RECOMMENDED COURSES IN THE MAJOR

Bus 42 or Bus 30	Economics of Enterprise	3
Bus 11A	Introduction to Business Principles	3
Econ 10	Beginning Typewriting	3
Bus 37	The American Economy	3
DP 11	Marketing	3
Bus 39	Keypunch Operation	1
Bus 45	Business Communications	3
Math 18	Financial Institutions	3
	Computer Programming FORTRAN	3

REQUIRED GENERAL EDUCATION COURSES

Hum 1A	Man in Society	6
Hum 1B	Man in Society	6
Math		3

*A student currently employed in the field may receive an In-service Certificate in DATA PROCESSING upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in DATA PROCESSING upon successful completion of the courses marked * plus the courses marked + and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

TRANSFER MAJORS

The data processing course offerings may be used as preparation for transfer as a data processing major to specific four year schools. Students are prepared for systems analyst and programmer positions in industry, commerce, finance, education and government service by this curriculum.

REQUIRED COURSES FOR THE TRANSFER MAJOR

Cal Poly at Pomona		
DP 1	Introduction to Data Processing	3
DP 4A	Computer Programming I	3
DP 4B	Computer Programmin II	3
DP 6	Data Processing Systems	3
Bus 31	Business Organization & Management	3
Bus 33A	Business Law I	3
Bus 37	Marketing	3
Bus 1A-B	Accounting Principles	3,3
Econ 1A-B	Principles of Economics	3,3

RECOMMENDED COURSES FOR THE TRANSFER MAJOR

Math 7	College Algebra and Trigonometry	5
DP 5	Computer Programming BAL	3
DP 18	Computer Programming FORTRAN	3

REQUIRED GENERAL EDUCATION COURSES

Science		9
Engl 1		6
Hist 5		3
PSc 3		3
Art/Music		3
HS I		2
Hum Elec.		3

EARLY CHILDHOOD DEVELOPEMENT

Faculty: Dolores Deutsch, Coordinator; Dorothy Nasatir
Counselor: Phyllis Cool

Early Childhood Development courses offer students a range of academic and participatory experience in the areas of Child Growth and Development and Nursery Education. There is a developing need for trained teachers and aides to work with young children in Nursery School Programs. The increasing number of working mothers with children and the need for working with children from the economically disadvantaged groups has increased the demand in the private nursery school as well as the Headstart day centers. It is an exciting and useful career for part-time and full-time employment, for both men and women. It provides an opportunity to be of service in an area of great need.

REQUIRED COURSES IN MAJOR

ECD 30A*	Child Growth & Development	3
ECD 38*	Observation in the Nursery School	3
ECD 39A*-B+	Supervised participation in the Nursery School	3
ECD 40*	Child, Family & Community	3
ECD 41*	Nursery School Programs	3
ECD 51	Music in the Nursery School	3
ECD 52	Art in the Nursery School	3
ECD 53	Science in the Nursery School	3
ECD 54	Literature in the Nursery School	3
ECD 55	Creative Movement Activities for Children	3
HS 5	First Aid & Safety	2
Psych 2+	General Psychology	3

RECOMMENDED COURSES FOR THE MAJOR

ECD 31A	Growth & Development of the Exceptional Child	3
ECD 42†	Nursery School Administration and Supervision	3
Soc 4	Marriage & the Family	3
Psych 3	Personal & Social Adjustment	3
Psych 4	Child Psychology	3
HE 10	Nutrition	3

*A student currently employed in the field may receive an In-service Certificate in Nursery Education upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in Nursery Education upon completion of the courses marked * plus the courses marked + and 9 more units of General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

†Required for approval and licensing by the State Department of Social Welfare as Director and/or Administrator of a Nursery School facility.

ECONOMICS

Faculty: William Dickneider, Peter Gucciardo, Richard Moore
Counselor: Gary Brinkman

The major in economics is designed for students interested in an understanding of the operation of our economy and the operation of the business firm. The economic major leads to careers in industry or government, to graduate study in the field of economics, to professional careers as economists and to careers in teaching. The major also offers valuable preparation for careers in law and journalism.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Econ 1A-B	Principles of Economics	3,3
Bus 1A-B	Accounting Principles	3,3
Math 12	College Algebra with Business Applications	3
or		
Math 14	Finite Math	3
University of California, Santa Barbara		
Econ 1A-B	Principles of Economics	3,3
Math 15	Introductory Statistics	4
Math 25A	Calculus w/Analytic Geometry I	5

REQUIRED GENERAL EDUCATION COURSES

Phil 1A	Introduction to Philosophy	3
For Lan	Foreign Language (3 semesters or 5 quarters)	

ENGINEERING/ ENGINEERING TECHNOLOGY

Faculty: Byron Edde, Coordinator; Tom Harris; John Thomsen; Ray Hobson

APPLIED DESIGN TECHNOLOGY

Counselor: William Jay

The field of applied design includes Technicians, Draftsmen, and Engineering Aides performing tasks related to the design and preparation for manufacturing of mechanical and electromechanical products. Two options are offered: Mechanical Design and Industrial Design. The mechanical designer assists in the design of mechanical components and assemblies, while the industrial designer works in the preparation for manufacturer and sale of the products.

REQUIRED COURSES IN THE MAJOR

Core		
ET 1	Engineering Technology	½
ET 2*	Mechanical Drafting	3
ET 3*	Graphics and Engineering Sketching	3
ET 10A*	Electronics Drafting	3
ET 14*	Technical Illustration	2
ET 30*	Technical Materials	3
Math 3	Intermediate Algebra	4
Math 7	College Algebra w/Trigonometry	5
Ph 11A-B	Technical Physics	4,4
Engr 45	Slide Rules	1
Mechanical Option		
Et 31+	Mechanics	3
ET 3+	Strength of Materials	3
ET 34	Hydraulics	3
Industrial Option		
Art 4A†	Color and Design	2
Art 4B†	Co.or and Design	2
Bus 37†	Marketing	3

RECOMMENDED COURSES FOR THE MAJOR

Math 16A	Applied Calculus	3
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*A student currently employed in the field may receive an In-service Certificate in APPLIED DESIGN TECHNOLOGY upon successful completion of the courses marked * and 6 additional units of General Education, for a total of 22 units.

+†A student not currently employed in the field may receive a Pre-service Certificate in APPLIED DESIGN TECHNOLOGY upon successful completion of the courses marked * plus the courses marked either + or † and 9 additional units in General Education, including 6 units of Hum 1A or 1B.

CONSTRUCTION TECHNOLOGY

Counselor: John Heydenreich

The construction industry has an ever present need for the technicians and draftsmen to do detail design, surveys, estimating, and inspection. They work closely with Architects, Civil Engineers and Contractors to assure safe and economical construction. The Construction Technology program trains technicians and draftsmen for these positions.

REQUIRED COURSES IN THE MAJOR

ET 1	Engineering Technology	½
ET 2 or	Mechanical Drafting	3
ET 3	Graphics and Engineering Sketching	3
ET 15	Civil Engineering Drafting	3
ET 16	Residential Construction Drafting	3
ET 17	Commercial Construction Drafting	3
ET 30	Technical Materials	3
ET 31	Mechanics	3
ET 32	Strength of Materials	3
ET 34	Hydraulics	3
Engr 8A	Plane Surveying	3
Ph 11A	Technical Physics	4
Math 1A-B	Elementary Algebra	3,2
Math 2	Fundamentals of Geometry	2
Math 3	Intermediate Algebra	4
Math 45	Slide Rule	1

RECOMMENDED COURSES FOR THE MAJOR

LH 24	Landscape Design	3
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ELECTRONICS ENGINEERING TECHNOLOGY

Counselor: John Heydenreich

Technological developments in the electronics and space industries have resulted in an increased number of job opportunities for individuals who have a technical education. This education must include the development of manipulative skills and the acquiring of technical knowledge through courses of instruction. Programs with this emphasis are presently available in the areas of electronics.

REQUIRED COURSES IN THE MAJOR

California State College, Long Beach		
ET 1	Engineering Technology	½
ET 20A-B-C-D	Principles of Electronics	5,5,5,5
ET 28	Electronic Measurement	3
ET 10A-B	Electronics Drafting	3,3
Math 7	College Algebra w/Trigonometry	5
Math 16A	Applied Calculus	3
Ph 11A-B	Technical Physics	4,4
California State Polytechnic College		
ET 1	Engineering Technology	½
ET 20A-B-C-D	Principles of Electronics	5,5,5,5
ET 28	Electronic Measurement	3
ET 10A-B	Electronics Drafting	3,3
Math 7	College Algebra w/Trigonometry	5
Math 16A	Applied Calculus	3
Ph 11A-B	Technical Physics	4,4

ENGINEERING

Counselor: William Jay

Widely diversified opportunities are available to the student who obtains a Bachelor of Science or higher degree in Engineering. This degree may be conferred by private schools, state colleges, or universities after successful completion of a minimum of four years work. The first two of these four years may be completed at Moorpark College, after which the student may transfer, at the junior level, to the four-year institution of his choice. However, the program outlined is representative, and before planning a study list, the student should consult his counselor and study the catalog of the senior institution to which he expects to transfer.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Engr 1	The Engineering Profession	½
Engr 4	Engineering Graphics w/Descriptive Geometry	4
Engr 6	Computer Solutions to Engineering Problems	3
Engr 12	Engineering Statics & Strength of Materials	4
Engr 18	Engineering Materials	3
Math 25A-B-C	Calculus w/Analytic Geometry I,II,III	5,5,5
Math 35	Applied Differential Equations	3
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3
Ph 4C	Electricity and Magnetism	3
Chem 1Ae-1Be	General Chemistry	4,4
University of California, Los Angeles		
Engr 1	The Engineering Profession	½
Engr 4	Engineering Graphics w/Descriptive Geometry	4
Engr 6	Computer Solutions to Engineering Problems	3
Engr 12	Engineering Statics & Strength of Materials	4
Engr 18	Engineering Materials	3
Math 25A-B-C	Calculus w/Analytic Geometry I,II,III	5,5,5
Math 35	Applied Differential Equations	3
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3
Ph 4C	Electricity and Magnetism	3
Chem 1Ae-1Be	General Chemistry	4,4

Civil Engineering students must have Engr 8A, Plane Surveying.

Electrical and Mechanical Engineering students must have Engr 15, Introduction to Circuit Analysis.

Chemical and Nuclear Engineers should contact the school to which they intend to transfer before completing this course sequence.

ENGLISH

Faculty: Sidney Adler; Judith Allen; Richard Black; John Davie;
 Richard Edwards; Hugo Ekback; John Hanft;
 Diana Ho; Philip Houser; Taylor Klose;
 Julie Landstad; Norman Mallory; Earl Owen;
 Jon Popiel; Michael Seely; Pamela Sheridan; Howard Siegel;
 Michael Strumph; Sinclair Wall
 Counselor: Carole Ginet

Aristotle points out that history is concerned with facts, while philosophy is concerned with theory, and that it is in literature that precepts and concepts are viewed at once. Poets, writers of fiction, and dramatists are the pulse of the time. The field of literature is concerned with the psychology of the human condition, a sensitivity to the beauties, innuendoes, and ironies of language, and a critical understanding of great books. Classics have been defined as "Books that everyone wants to have read, but no one wants to read." In the study of literature, the great books are read and evaluated. Career opportunities include teaching, journalism, criticism, free-lance writing, radio and television writing, and trade publication work.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Engl 1	Composition & Literature	3,3
Engl 15A-B	English Literature	3,3
University of California, Los Angeles		
Engl 1	Composition & Literature	3,3
Engl 15A-B	English Literature	3,3

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4
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RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-B	Introduction to Western Civilization	3,3
Phil 1A	Introduction to Philosophy	3

ESCROW

REQUIRED COURSES IN THE MAJOR

Escrow 1*	Principles of Escrow	3
Escrow 2*	Escrow Practice	3
Escrow 3*	Escrow Case Problems	3
RE 91*	Real Estate Principles	3
RE 92*	Legal Aspects of Real Estate	3
RE 95*	Real Estate Finance	3
Bus 44+	Business Math	3
Bus 39+	Business Communications	3
Bus 3	Applied Accounting	3
Bus 30	Introduction to Business	3
Hum 1A-B	Man in Society	6,6

RECOMMENDED COURSES IN THE MAJOR

Bus 33AB	Business Law	3,3
Bus 11A	Beginning Typewriting	3
Bus 31	Business Organ. & Mngmt.	3
Bus 50	Elements of Supervision	3
Bus 51	Personnel Management	3
RE 93	Real Estate Practices	3
RE 94	Real Estate Appraisal	3
RE 96	Real Estate Economics	3
Bus 35	Salesmanship	3
Bus 40	Personal Finance	3
Speech 15	Practical Speech	
Psych 3	Personal & Social Adjustment	3
Econ 1AB	Principles of Economics	3,3
EScrow 49A	Escrow Work Experience	1-3

*A student employed in the field may receive an In-service Certificate in ESCROW upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 24 units.

+A student not currently employed in the field may receive a Pre-service Certificate in ESCROW upon successful completion of the courses marked * plus the course marked + and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 33 units.

FIRE SCIENCE

Faculty: Jack Fleming, Coordinator
 Counselor: John Heydenreich

This responsible and life-saving work is in demand in many communities. This program provides training to meet this demand. Class sessions may be repeated each week to adjust the working hours of the fire protection personnel.

REQUIRED COURSES IN THE MAJOR

FSc 90+	Introduction to Fire Protection	3
FSc 91+	Introduction to Fire Suppression	3
FSc 92+	Fundamentals of Fire Prevention	3
FSc 93*	Fire Fighting Tactics and Strategy	3
FSc 94	Hazardous Materials 1	3
FSc 96	Related Codes and Ordinances	3
FSc 97*	Fire Hydraulics	3
FSc 99*	Fire Company Organization and Procedure	3
FSc 100*	Fire Apparatus & Equipment	3

RECOMMENDED COURSES FOR THE MAJOR

Phys Sci 1	Introduction to Physical Science	3
Bus 40	Personal Finances	3
Speech 15	Practical Speech	3
Chem 12	Elementary Chemistry	4
Psych 3	Personal & Social Adjustment	3
Electives Fire Science Electives		

*A student currently employed in the field may receive an In-service Certificate in FIRE SCIENCE upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in FIRE SCIENCE upon successful completion of the courses marked + plus the courses marked + and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

FRENCH

Faculty: Philip Houser
 Counselor: Phyllis Cool

With the growing interdependence of nations, persons with facility in foreign language are needed more than ever. Specialists work in such areas as anthropology, economics, political science, literature, and sociology. Still the principal area of employment is in teaching on the elementary, secondary and college levels. Other careers may be found in interpreting, translating, research, diplomacy and other government work, libraries, and the publishing business.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College & University of California, Santa Barbara		
Fr 1A-B	Elementary French	4,4
Fr 2A-2B	Intermediate French	4,4

RECOMMENDED GENERAL EDUCATION COURSES

SFVSC		
Hist 1A-B	Introduction to Western Civilization	3,3
UCSB		
Hist 1A-B	Introduction to Western Civilization	3,3
Phil 1A	Introduction to Philosophy	3

GEOGRAPHY

Faculty: Roger Boedecker, Joseph Glantz
Counselor: Knox Long

Students interested in studying the earth and its peoples in their relationships and regional variations may enroll in courses which will permit them to become a major in geography. These courses allow the student to acquire a general background of these spatial relations and processes. Courses offered include both empirical and theoretical approaches in understanding geography at a variety of scales ranging from global to local. The underlying purpose of the program is to encourage analysis of why things and people are where they are.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Geog 1	Physical Geography	3
Geog 2	Cultural Geography	3
Geog 5	Introduction to Meteorology	3
University of California, Los Angeles		
Geog 1	Physical Geography	3
Geog 2	Cultural Geography	3

RECOMMENDED COURSES FOR THE MAJOR

Math 16A-B	Applied Calculus	3,3
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GEOLOGY

Faculty: Dorothy Sarnecky
Counselor: William Jay

Geology is the science of the earth, and the student in this subject is engaged in one of the most fascinating of endeavors. Geologists study the earth's history, structure, and composition as revealed by rock formations and by animal and vegetable fossils. They search for fuels, minerals, and water supplies. The geologist may enter a career in such industries as mining and petroleum, work with such governmental agencies as the geological or geodetic surveys, or enter research or teaching.

REQUIRED COURSES IN THE MAJOR

(20 units from the list below are required for "AA" including starred courses.)

University of California, Riverside		
California Lutheran College		
California State College, San Diego		
Geol 2*	Physical Geology	3
Geol 2L*	Physical Geology Lab	1
	or	
Geol 31	Rocks, Minerals, Maps	2
Geol 3*	Historical Geology	3
Geol 15*	Mineralogy and Crystallography	3
Geol 16*	Petrology	3
Geol 22	Directed Studies	1-3
Geol 33*	Intro to Mapping	2
Geol 41	Geology of National Parks	3

RECOMMENDED COURSES FOR THE MAJOR (AA)

Math 45	Slide Rule	1
Chem 12	Elementary Chemistry I	4

RECOMMENDED COURSES FOR THE TRANSFER STUDENT

Chem 1A-B	General Chemistry	5-5
Math 25A-B	Calculus w/Analytic Geometry I, II	5-5
Ph 2A-B	General Physics	4-4

GERMAN

Faculty: Jane Chapman
Counselor: Phyllis Cool

With the growing interdependence of nations, persons with facility in foreign language are needed more than ever. Specialists work in such areas as anthropology, economics, political science, literature, and sociology. Still the principal area of employment is in teaching on the elementary, secondary and college levels. Other careers may be found in interpreting, translating, research, diplomacy and other government work, libraries, and the publishing business.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State and University of California, Santa Barbara		
Ger 1A-B	Elementary German	4,4
Ger 2A-B	Intermediate German	4,4

RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-B	Introduction to Western Civilization	3,3
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GRAPHIC COMMUNICATIONS

Faculty: Tanya Burke, John Gray, Ray Hobson
Counselor: Gary Brinkman

With the printing industry anticipating a growth rate that will more than double, the field of Graphic Communications offers unlimited opportunity for those who qualify. Employment at all levels from technicians to management will be available in such areas as creative layout and design, advertising, sales, photography, lithography and bindery operations. Advancements in computer controlled equipment and chemical processes provide opportunities for the math and science oriented person as well.

REQUIRED COURSES IN THE MAJOR COMMERCIAL ART OPTION

GC 1	Intro to Graphic Comm	3
GC 4	Advertising Layout & Design	3
GC 6A	Process Camera	3
GC 8A	Lithography	3
GC 20A	Commercial Design	3
GC 21	Advertising Lettering & Typography	2
GC 23A	Advertising Design	2
GC 24A	Perspective & Rendering	2

GRAPHIC ARTS OPTION

GC 1	Intro to Graphic Comm	3
GC 2	Duplicating Processes	2
	or	
GC 5A	Copy Prep & Composing Systems	3
GC 6A	Process Camera	3
GC 6B	Advanced Process Camera	3
GC 7	Stripping & Platemaking	3
GC 8A	Lithography	3
GC 8B	Advanced Lithography	3
GC 9	Graphic Comm. Lab	1-2
GC 11A	Screen Processes	2

RECOMMENDED COURSES IN THE MAJOR

Art 4ABC	Color & Design	2-2-2
Art 12AB	Drawing & Composition	2-2
Art 4A	Color & Design	2
Photo 1A	Beginning Photography	3
Journ 2	Newswriting & Reporting	3
Bus 38	Advertising	3
Bus 39	Business Communications	3

HISTORY

Faculty: Arthur Bettini, Cecile Copsey, Joseph Gonzalez,
Randolph Griffith, Ray Hearon, Knox Long
Counselor: Knox Long

Historians study the records of the past and write books and articles describing and analyzing past events, institutions, ideas and people. They may use their knowledge of the past to explain current events or to forecast. Approximately 80% of the historians today are employed in schools and colleges. Another 10% are employed in federal government agencies, non-profit foundations, research councils, libraries, and corporations.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State		
Hist 1A-B	Introduction to Western Civilization	3,3
Hist 7A-B	Social/Political History of U.S.	3,3
and one of the following:		
Hist 9B		
Hist 10B		
Hist 15B		

University of California, Los Angeles		
Hist 1A-B	Introduction to Western Civilization	3,3
Plus any three of the following:		
Hist 9A-B		
Hist 7A-B		
Hist 15A-B		

REQUIRED GENERAL EDUCATION COURSES

SFVSC		
For Lan	Foreign Language	
	(3 years of the same language in high school or completion of second semester of language at college or a proficiency examination.)	

UCLA		
For Lan	Foreign Language	
	(3 semesters or 5 quarters)	

Engl 1		
Phil 1A-B	Introduction to Philosophy	
or		
Engl	2 courses in literature	

HOME ECONOMICS

Faculty: Judy Crowe, Polly Stringer
Counselor: Phyllis Cool

Home Economics curriculum patterns are designed to stimulate personal development, creativity and effective home management. In addition to preparation for a career, curricula are planned to develop techniques and skills beneficial in family and social life. Courses deal with physical, psychological, aesthetic, and economic aspects significant to our changing society.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
HE 31	Textiles	2
HE 30	Apparel Selection and Grooming	3
HE 10	Nutrition	3
University of California, Santa Barbara		
HE 31	Textiles	2
HE 10	Nutrition	3
ECD 30A	Child Growth and Development	3

REQUIRED GENERAL EDUCATION COURSES

SFVSC		
Chem 12	Elementary Chemistry I	4
Chem 13	Elementary Chemistry II	4
Biol 2A	General Biology	4
Art 4A	Color and Design	2
Journ 2	News Reporting and Writing (Industrial Option)	3
Bus 1A	Accounting Principles	3
Econ 1A-B	Principles of Economics	3,3
Soc 1	Introduction to Sociology (Dietetics Option)	3
UCSB		
Chem 1A	General Chemistry	5
Chem 1B	General Chemistry (Foods and Nutrition Option)	5
Chem 7	Organic Chemistry	5
Biol 2A	General Biology	4
Psych 2	General Psychology	3
Econ 1A	Principles of Economics	3
Soc 1	Introduction to Sociology	3
Speech 1	Introduction to Speech	3
Art 2	Art Appreciation	3
Anth 2	Cultural Anthropology (Textiles Option)	3

HOME ECONOMICS-AIRLINE HOSTESS

Counselor: Phyllis Cool

Applicants for airline stewardess training must generally meet the following basic requirements:

Age: 20 through 27	Marital Status: Single
Height: 5'2" to 5'9"	Vision: 20/50 or better without glasses
Weight: 100 to 140 pounds	Contacts considered.

Each applicant is required by the airlines to pass a rigid physical examination approved by the medical department of the airlines.

REQUIRED COURSES IN THE MAJOR

HE 10	Nutrition	3
HE 30	Apparel Selection and Grooming	3
HE 11	Food Preparation	3
HE 55	Child Growth and Development	3
Spch 15	Practical Speech	3
HS 5	Safety & First Aid	2
Geog 11	Travel Geography	3

RECOMMENDED COURSES IN THE MAJOR

Bus 11A	Beginning Typewriting	3
Bus 40	Personal Finance	3
Bus 15	Secretarial Procedures	5
Bus 30	Introduction to Business Princ.	3
Soc 4	Marriage and Family	3
HE 15	Cooking Creatively	3
HE 3	Home Management	2
HE 16	Foreign Food Cookery	3

HOME ECONOMICS COSTUME DESIGN

Counselor: Phyllis Cool

Home Economics is the field of knowledge and service primarily concerned with strengthening family life through the attainment of well-being of individuals and families, the improvement of homes and the preservation value significant in home life.

PREPARATION FOR THE MAJOR

HE 31	Textiles	2
HE 32	Clothing Construction	3
HE 35	Pattern Design	3
HE 30	Apparel Selection & Grooming	3
HE 36	Advanced Pattern Design	3
HE 37	Tailoring	3
Art 12A-B	Drawing & Composition	2,2
Art 4A	Color and Design	2

RECOMMENDED COURSES FOR THE MAJOR

Bus 35	Salesmanship	3
Journ 2	News Reporting & Writing	3
Bus 36	Retail Merchandising	3
Bus 30	Intro to Business Principles	3
Bus 11A	Beginning Typewriting	3



HOTEL AND RESTAURANT

Counselor: John Heydenreich

The hotels, motor inns, motels, resorts, restaurants, cafeterias, hospitals and institutional food establishments offer career opportunities leading to responsible and attractive position in the management of these industries. The increase in leisure time and the growth of tourism all indicate a growing demand in the service industry for trained personnel.

REQUIRED COURSES IN THE MAJOR

H&R 1*	Hotel & Restaurant Orientation	1
H&R 11*	Restaurant Operations	3
H&R 14*	Food Purchasing	3
H&R 10A+	Quantity Food Preparation	4
H&R 12*	Menu Making	1
H&R 15*	Hotel and Restaurant Sanitation	1
H&R 10B+	Quantity Food Preparation	4
H&R 49A+	Directed Work Experience	1-3
Bus 40	Personal Finance	3
HE 10	Nutrition	3
Bus 7	Calculating Machines	3
H&R 17	Institutional Food Service	3
H&R 18*	Food and Beverage Control	3
H&R 19*	Food and Beverage Management and Service	3

RECOMMENDED COURSES FOR THE MAJOR

Bus 11A	Beginning Typewriting	3
Bus 30	Introduction to Business Principles	3
Bus 32	Small Business Management	3

*A student currently employed in the field may receive an In-service Certificate in HOTEL & RESTAURANT MANAGEMENT upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in HOTEL & RESTAURANT MANAGEMENT upon successful completion of the courses marked * plus the courses marked + and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

INSTRUCTIONAL AIDE PROGRAMS

Instructor Aide with Specialization in Communications Skills

Instructor Aide with Specialization in Mathematics

Instructor Aide Generalist

One-year, pre or in-service certificate of completion programs in lower division California state college transfer courses for students desiring to work as instructor aides in Grades K-14 before completing a Bachelor's degree; or to enhance employment opportunities for those who are pursuing a Standard Teaching Credential requiring a Bachelor's Degree; to complete part of the requirements for serving as a substitute teacher while helping others learn.

Actual classroom teaching experience under daily professional supervision and guidance will provide the candidate with an opportunity for exploration of interests and effectiveness in working with other college students. In addition, the course work has been carefully chosen to meet upper division professional education course prerequisites.

In order to receive the certificate in any one of the three Instructor Aide areas, the student must complete the course work with a letter grade of C or better in each course. To be an aide in Communication Skills he must also pass a proficiency test.

Subject matter specialization:

Students may specialize in mathematics or in communications. See either the head of the English or the Mathematics Department for course requirements in the specialization and course recommendations in the field of general education.

JOURNALISM

Faculty: Marjorie Imbach, Lawrence Lloyd
Counselor: Carole Ginet

Journalism embraces the writing, editing, managing, and production of mass-media communication. Journalists are involved, therefore, not only in the preparation of all types of periodicals, but also in the fields of advertising, public relations, radio, television, and motion pictures. There are wide opportunities for journalists not only in newspaper and magazine writing, but also in trade, business, and labor publications, and in such specialized fields as editorial work, writing of feature articles, fiction, poetry, and drama.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College & University of Southern California		
Journ 2	News Reporting	3
(SFVSC - Minor in a related field such as English, History, Political Science, or Sociology.)		

RECOMMENDED GENERAL EDUCATION COURSES

SFVSC		
GC 1	Introduction to Graphic Arts	3
For Lan	Foreign Language	4,4
USC		
Engl 15B	Survey of English Literature	3
Hist 1B	Introductio to Western Civilization	3
Econ 1A	Principles of Economics	3
Engl 35B	Survey of American Literature	3
For Lan	Foreign Language	4,4,4

LIBRARY TECHNOLOGY

Faculty: John Hurley, Michael Slama, Dale Dobson
Counselor: Phyllis Cool

There are good career opportunities in college, public, school, industry and government libraries for people specially trained in library work. Moorpark College offers programs to prepare for a library career as a Library Technician in the areas of Acquisitions, Cataloging, Loans, Reference, Audio-visual and Automation. For those students who wish to become librarians, Moorpark College offers a liberal arts program, transferable to the state colleges.

REQUIRED COURSES IN THE MAJOR

LT 1*	Introduction of Library Technology	3
LT 2*	Library Circulation Procedures	3
LT 3*	Advanced Library Clerical Techniques	3
LT 4*	Audio-Visual Clerical Techniques	3
LT 5*	Audio-Visual for the Library	2
LT 6*	Children's Literature	3
LT 48*	Library Internship	2-3

RECOMMENDED COURSES FOR THE MAJOR

Bus 11A+	Beginning Typewriting	3
Bus 11B	Intermediate Typewriting	3
DP 1+	Introduction to Data Processing	3

*A student currently employed in the field may receive an In-service Certificate in LIBRARY TECHNOLOGY upon successful completion of 15 units in the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in LIBRARY TECHNOLOGY upon successful completion of 15 units in the courses marked * plus the courses marked + and 9 additional units in General Education, for a total of 30 units.

MATHEMATICS

Faculty: Christine Aguilera, Alberto Beron, Max Garbutt; James Gayle, Masato Hayashi, William Jay, Floyd Martin, Department Head, Charles Molnar, David Riley, Kokki Shindo; Robert Stevens; John Walters.
Counselor: William Jay

Plato considered mathematics and music the purest of the sciences, searching out, as they do, the abstract structures of the universe. But on a less ethereal plane, applied mathematics develops approaches and techniques to solve practical problems in the physical, biological, and social sciences. Graduates will find careers in business, industry, and government as research mathematicians, as statisticians, as actuaries, as logicians, and as systems analysts. The field of computer science presents a new opportunity for mathematics majors.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Math 25A-B-C	Calculus/Analytic Geometry	5,5,5
Math 31	Introduction to Linear Algebra	3
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3
Ph 4C	Electricity and Magnetism	3
University of California, Santa Barbara		
Math 25A-B-C	Calculus/Analytic Geometry	5,5,5
Math 30	Introduction to Modern Algebra	3
Math 31	Introduction to Linear Algebra	3
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3
For Lan	Foreign Language	4,4,4

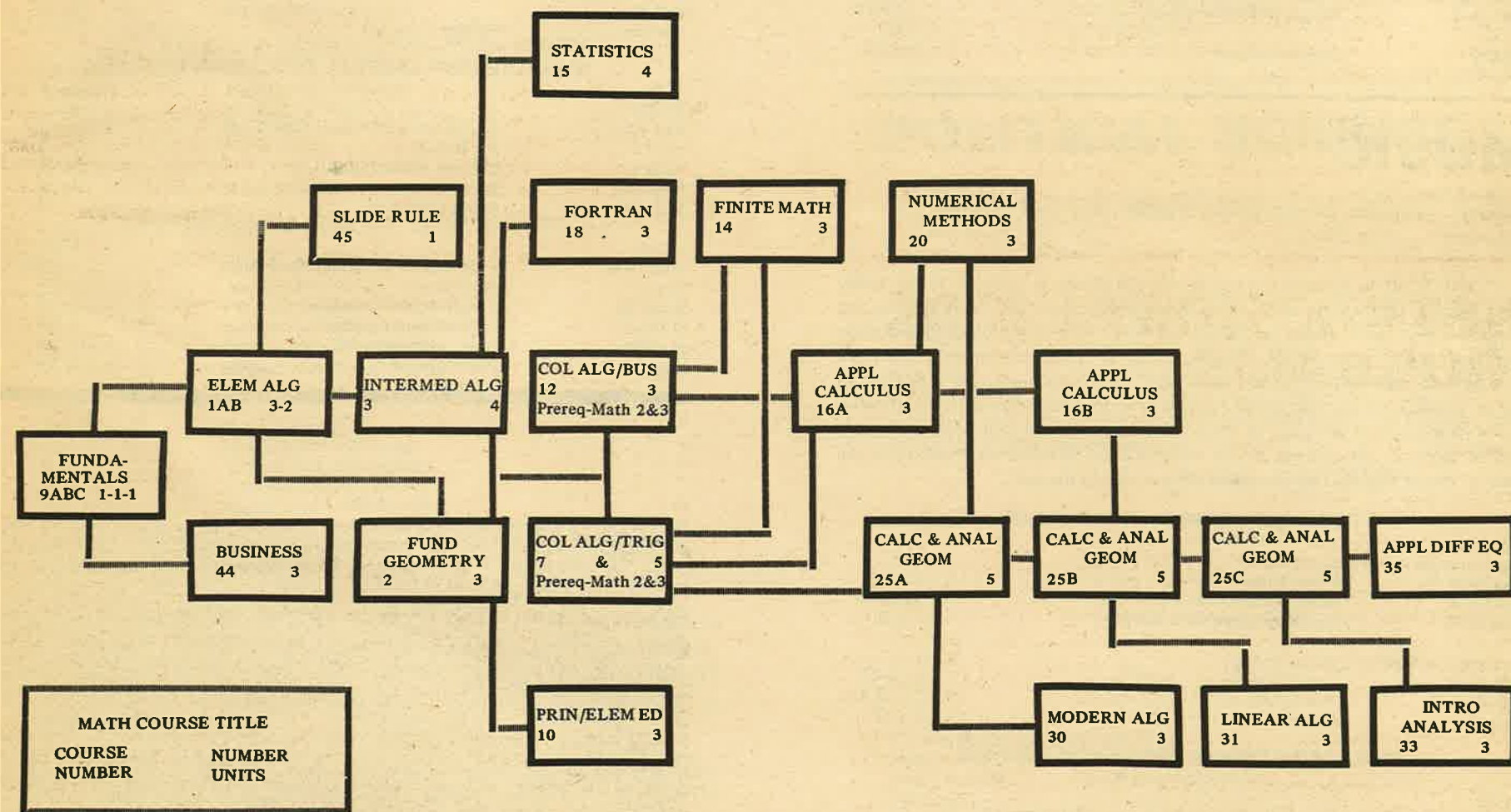
RECOMMENDED GENERAL EDUCATION COURSES

SFVSC		
Math 30	Introduction to Modern Algebra	3
UCSB		
Ph 4C	Electricity and Magnetism	3
SFVSC and UCSB		
Math 35	Applied Differential Equations	3
Math 15	Introduction to Statistics	4
Math 18	Computer Programming FORTRAN	3
Math 33	Introduction to Analysis	3
Math 20	Introduction to Numerical Methods	3
Ph 4D	Optics and Modern Physics	3

The following information offers guidelines for enrollment in mathematics courses.

The flow chart shown below illustrates the overall mathematics program as well as the various sequences of courses which may be taken by a student, depending upon his interests and needs. Initial placement in the mathematics program is dependent upon the student's ability to meet course prerequisites.

In a mathematics course, a grade of C or better or credit indicates that the student is qualified to attempt the next course in his chosen sequence of courses. A grade of D indicates that the student must repeat the course before proceeding in the sequence unless departmental approval is obtained. In addition, if more than two and one-half years have elapsed since the student has completed his highest mathematics course with a grade of C, that course should be repeated before attempting a sequel course.



MEXICAN-AMERICAN STUDIES

Faculty: Frank Fierro, Diana Ho, Amado Reynoso
Counselor: Ed Escobedo

Students enrolled in this curriculum will be involved in an intensive study of Mexican-American history and culture. Emphasis is placed on contemporary political, social and economic problems, as well as on the art, literature, and language of the Mexican-American. Successful completion of the program prepares students for work in the barrio, teaching, politics, social services and various forms of governmental employment and private industry.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
MAS 1	Mexican-American in Contemporary Society	3
MAS 2	Mexican-American Culture	3
MAS 4A-B	History of Mexican People in Southwest	3,3
MAS 6	Mexican-American Literature in Translations	3
University of California, Santa Barbara		
MAS 1	Mexican-American in Contemporary Society	3
MAS 2	Mexican-American Culture	3

RECOMMENDED COURSES FOR THE MAJOR

SFVSC		
Spn 3A-B	Spanish for the Spanish Speaking	3,3
Spn 31C	Conversational Spanish	3
Hist 9A-B	History of the Americas	3,3
or		
MAS 22	Directed Studies	1-3
MAS 7	Barrio Studies	3
UCSB		
Spn 3A-B	Spanish for the Spanish Speaking	3,3
Spn 31C	Conversational Spanish	3
Hist 9A-B	History of the Americas	3,3
or		
MAS22	Directed Studies	1-3

MUSIC

Faculty: Al Hyams, Orbie Ingersoll, Sheldon Mehr, James Stemen
Counselor: Carole Ginet

It is difficult to imagine our world without music. A career in music today may involve performing solo, or in ensembles, as well as accompanying and conducting in such fields as radio, television, and the recording industry. Although most instrumental musicians play only one instrument, many are qualified to play two or more. As a rule, these musicians also specialize in either classical or popular music; only a few play both types professionally. Many musicians, in addition to their work as performers, give private lessons and/or teach in our schools. Some are employed in hospitals, working in the field of music therapy, while others work in music libraries.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Mus 2A-B	Music Theory	4,4
Mus 9A-B	Music History/Literature	3,3
Mus 12,21	Vocal/Instrumental/Ensemble	1,1
University of California, Santa Barbara		
Mus 2A-B	Music Theory	4,4
Mus 9A-B	Music History/Lit	3,3
Mus 24	Piano	2

REQUIRED GENERAL EDUCATION COURSES

UCSB	
For Lan	Foreign Language (3 semesters of 5 quarters) German or French recommended.

RECOMMENDED GENERAL EDUCATION COURSES

SFVSC and UCSB		
Hist 1A-B	Introduction to Western Civilization	3,3
Phil 1A	Introduction to Philosophy	3

PERSONAL GROWTH

The Personal Growth program, designed by the Counseling and Guidance Department, gives the student an opportunity to join a RAP-focus group which is designed to discuss problems and concerns in a group setting, usually with a group of students who have similar concerns and problems. This very effective method of problem solving is done in an informal and confidential atmosphere. The groups are primarily unstructured and facilitated by a professional counselor.

PHILOSOPHY

Faculty: Jan Coster, Paul Fink
Counselor: Phyllis Cool

Nearly everyone is committed to a set of general principles, beliefs, and attitudes which constitutes his "philosophy of life," and which provides both a framework and a rationale for his existence. Not everyone, however, has taken the time to critically evaluate his position or to systematically consider alternative viewpoints. Philosophy courses provide an opportunity to do this by reviewing many of the theories, insights, and arguments that have been advanced by leading thinkers through the ages. Hopefully, then, the study of philosophy may help the student to develop a more well-reasoned view concerning man and his place in the universe, and a more mature set of values with which to guide his conduct.

REQUIRED COURSES IN THE MAJOR

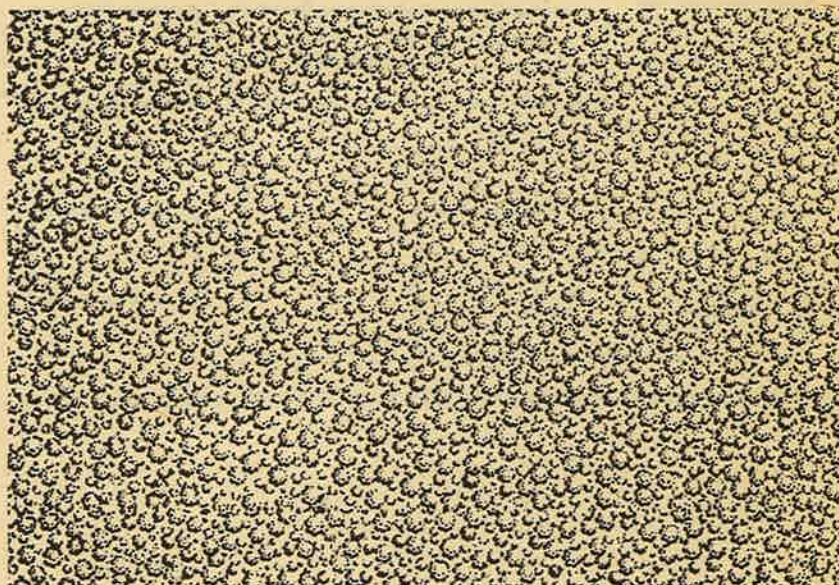
San Fernando Valley State College & University of California, Los Angeles		
Phil 1A-B	Introduction to Philosophy	3,3
Phil 2	Introduction to Logic	3

REQUIRED GENERAL EDUCATION COURSES

UCLA		4,4,4
For Lan	Foreign Language	

RECOMMENDED GENERAL EDUCATION COURSES

SFVSC		
Hist 1A-B	Introduction to Western Civilization	3,3
Art 1	Art History	3
Anth 2	Cultural Anthropology	3
Engl 30	World Literature	3
Engl 31	World Literature	3
UCLA		
Hist 1A-B	Introduction to Western Civilization	3,3
Art 1	Art History	3
Econ 1A	Principles of Economics	3
Anth 2	Cultural Anthropology	3
Engl 30	World Literature	3
Engl 31	World Literature	3



PHYSICAL EDUCATION

Faculty: Estella Bassett; Don Brockett; Paul Dunham, Division Chairman; John Keever; Modean McCullough; Kathy Mason; James Moore; Linda Moore; Alwyn Nordquist; Delbert Parker; George Ragsdale; Maynard Sommer; Richard Sullivan; Manuel Trevino
 Counselor: Ron Zaboski

The physical educator plays an ever-increasing role of importance in a society preoccupied with automation and cybernetics. Physical Education provides an opportunity to motivate, organize, and teach the social, emotional, and physical aspects of man. The major in physical education is designed for students who (1) plan to teach physical education, or (2) expect to become physical education leaders in public or private programs, and (3) plan to continue the study of physical education for an advanced degree.

REQUIRED COURSES IN THE MAJOR

California State Polytechnic College		
PE 80, 82	Professional Courses (Men)	2,2
PE 84, 86	Professional Courses (Men)	2,2
PE 81, 83	Professional Courses (Women)	2,2
PE 85, 87	Professional Courses (Women)	2,2
Rec 1A-B	Recreational Leadership	2
An 1	Human Anatomy	4
Phy 1	Introduction to Human Physiology	4
PE 90	Introduction to Physical Education	2

San Fernando Valley State		
PE 80, 82	Professional Courses (Men)	2,2
PE 84, 86	Professional Courses (Men)	2,2
PE 81, 83	Professional Courses (Women)	2,2
PE 85, 87	Professional Courses (Women)	2,2
PE 93A-B	Women's Sports Officiating	1
An 1	Human Anatomy	4
Phy 1	Introduction to Human Physiology	4
PE 90	Introduction to Physical Education	2
PE 36	Modern Dance (Women)	1

REQUIRED GENERAL EDUCATION COURSES

California State Polytechnic College		
Speech 1	Introduction to Speech	3
Speech 2	Elements of Public Speaking	3
Biol 2A-B	General Biology	4,4

SFVSC		
Biol 2A	General Biology	4

RECOMMENDED GENERAL EDUCATION COURSES

CSPC		
Soc 1	Introduction to Sociology	3
Soc 4	Marriage and Family	3
Psych 3	Personal and Social Adjustment	3
HS 5	Safety and First Aid	2
PE 91A-B	Men's Sports Officiating	2,2
PE 93A-B	Women's Sports Officiating	2,2

SFVSC		
Biol 2B	General Biology	4
PE 91A-B	Men's Sports Officiating	2,2
Soc 1	Introduction to Sociology	3
Speech 1	Introduction to Speech	3
Speech 2	Elements of Public Speaking	3
Rec 1A-B	Recreational Leadership	2
HS 5	Safety and First Aid	2
Psych 3	Personal and Social Adjustment	3

Graduation Requirements for the Associate of Arts Degree--To fulfill the requirements in physical education, a student is required to successfully complete four semesters of physical education activity. No more than one activity class per semester of attendance may be counted toward meeting this requirement.

Attendance Requirement-- A student may be exempted from the physical education activity if (1) he or she has attained their 18th birthday prior to the first day of class or (2) if he or she has a medically excused disability approved by the school physician.

Repetition for Credit--The college policy for repeating courses for credit applies to ALL BEGINNING PHYSICAL EDUCATION ACTIVITY COURSES. You may repeat all intermediate and advanced courses along with varsity sports for additional course credit. Students are encouraged to enroll in a variety of activities which have carry-over value.

Uniform Requirements-- The uniform or costume appropriate for the course is required of all students. Standardized activity uniforms and other appropriate activity costumes are available in the student bookstore.

PHYSICS

Faculty: John Menzie; H. Fred Meyer
 Counselor: William Jay

Physicists investigate and attempt to understand the fundamental laws of nature and how these laws may be formulated and put to use. The physics major is designed for students interested in gaining an understanding of these fundamental laws of nature, learning the arts of experimentation, and applying this knowledge and art to a wide range of careers. Since the knowledge of physics, and the experimental arts form a foundation for all of science and engineering, physicists have excellent opportunities in government and industry - from soil mechanics to space physics - from biophysics to the theoretical work of a high energy elementary particle physicist. There is great need in high schools, colleges and universities for teachers and research physicists.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College and University of California, Los Angeles		
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3
Ph 4C	Electricity and Magnetism	3
Ph 4D	Optics and Modern Physics	3
Math 25A-B-C	Calculus with Analytic Geometry	5,5,5
Math 35	Applied Differential Equations	3

RECOMMENDED GENERAL EDUCATION COURSES

SFVSC		
Math 18	Computer Programming FORTRAN	3
Engl 1	Composition and Literature	3
Speech 1	Introduction to Speech	3
PSc 1	Introduction to Government	3
Hist 7B	Social & Political History of the U.S.	3
Bio 2A	General Biology	4
UCLA		
Math 18	Computer Programming FORTRAN	3
For Lan	Foreign Language (German)	4,4,4
Engl 1	Composition and Literature	3
Biol 2A	General Biology	4
Env Sci 1	Environmental Science I	4

POLITICAL SCIENCE

Faculty: William Bendat; Gerald Bridgeman; Robert Herman; Stephen Herzog; Richard Perry
 Counselor: Ed Escobedo

Political Science is the study of government. Political scientists are interested in government at every level—local, county, state, regional, national and international. Political scientists are employed in colleges, in such federal agencies as the U.S. Department of State and the U.S. Information Agency, and at the city, county, and state levels of government. They make studies of legislation and analyze the operations of government and of non-government organizations that affect legislation.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Pol Sci 1	Introduction to Government	3
Pol Sci 2	Comparative Government	3
Pol Sci 3	American Government	3
Econ 1A	Principles of Economics	3
Hist 1B	Introduction to Western Civilization	3

UCSB		
Pol Sci 1	Introduction to Government	3
Pol Sci 2	Comparative Government	3
Pol Sci 3	American Government	3
Five courses from the following areas:		
Anth 2	Cultural Anthropology	3
Econ 1A or 1B	Principles of Economics	3,3
Hist 1A-B	Introduction to Western Civilization	3,3
Hist 7A-B	Social/Political History of the U.S.	3,3
Hist 15A-B	Introduction to History of Asia	3,3
Psych 2	General Psychology	3
Soc 1	Introduction to Sociology	3
Soc 2	Social Problems	3

PSYCHOLOGY

Faculty: Alan Lowe, Darlene Pacheco, Steven J. Pollock, Daniel Smith, Maxine Tallman
Counselor: Jeff Ferguson

Psychologists study the behavior of individuals and groups and may be found in many areas of our contemporary society. Some of the more common positions in the field of Psychology are teaching in colleges and universities, counseling, and working with maladjusted people in a clinical setting. Other fields of Psychology include developmental, industrial, experimental, personnel and human engineering. A Bachelor's degree in Psychology will satisfy the requirement for an academic major in obtaining a teaching credential, both for the elementary and secondary credentials.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Psych 1A	Introduction to Psychology	3
Psych 1B	Introduction to Experimental Psychology	3
Math 15	Introductory Statistics	3
University of California, Santa Barbara		
Psych 1A	Introduction to Psychology	3
Psych 1B	Intro to Experimental Psychology	3
Math 15	Introductory Statistics	4
Bio 2A	General Biology	4
or		
Biol 1	Principles of Biology	4
Chem 1A	General Chemistry	5
Ph 2A	General Physics	4
or		
Ph 10	Descriptive Physics	3
Math 14	Finite Mathematics	3
or		
Math 25A	Calculus w/Analytic Geom I	5

RECOMMENDED ELECTIVES

San Fernando Valley State		
Biol 1	Principles of Biology	4
Phil 1A	Introduction to Philosophy	3
Soc 1	Introduction to Sociology	3
University of California, Santa Barbara		
Phil 1A	Introduction to Philosophy	3
Soc 1	Introduction to Sociology	3

REAL ESTATE

Faculty: William Rodgers, Coordinator
Counselor: Gary Brinkman

The projected growth in the areas surrounding Moorpark College will create a demand for homes, schools, churches, shopping centers, and industrial developments. Professionally trained people in real estate will provide much of the leadership in fields of residential and industrial brokerage, property management, research and land development.

REQUIRED COURSES IN THE MAJOR

RE 91*	Real Estate Principles	3
RE 92*	Legal Aspects of Real Estate	3
RE 93*	Real Estate Practice	3
RE 94*	Real Estate Appraisal	3
RE 95+	Real Estate Finance	3
RE 96+	Real Estate Economics	3
Bus 3	Applied Accounting	3
Bus 9AB	Business Lectures	1
Bus 30	Introduction to Business	3
Bus 35*	Salesmanship	3
Bus 32	Small Business Management	3
Hum 1A-B	Man In Society	6,6

RECOMMENDED COURSES FOR THE MAJOR

Bus 44	Business Mathematics	3
Bus 37	Marketing	3
Bus 39	Business Communications	3
Speech 15	Practical Speech	3
Psych 3	Social & Personal Adjustment	3
Bus 50	Elements of Supervision	3
Bus 40	Personal Finance	3
Bus 38	Advertising	3
Econ 1A-B	Principles of Economics	3,3

*A student employed in the field may receive an In-service Certificate in REAL ESTATE upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in REAL ESTATE upon successful completion of the courses marked + plus the courses marked * and 9 additional units in General Education, including 6 units of Hum 1A or Hum 1B, for a total of 30 units.

RECREATION

Faculty: George Ragsdale
Counselor: Ronald Zabolski

The impact of leisure on our society has opened new areas for the prospective recreation leader. Career opportunities exist in numerous areas with limited opportunities for those with Associate in Arts Degrees. The major program in recreation is designed for students who plan to follow professional careers as program leaders, directors, supervisors or administrators in public or private recreation agencies.

Of major emphasis to students planning to transfer to four year schools is the report submitted to the California Society of Parks and Recreation Educators at the March, 1972 meeting in San Diego. It was recommended that six courses be taught in the Community Colleges or lower division level. These courses include Rec 1, Rec 3A-B, Rec 4 and Rec 5. Other courses offered at Moorpark College apply towards as Associate in Arts Degree in Recreation, but might not transfer to four year schools other than as elective units.

RECOMMENDED GENERAL EDUCATION COURSES

PE 90	Introduction to Physical Education	3
PE 80-87	Professional Activities	2 each
PE 37	Social, Folk, Square Dance	1
HS 5	First Aid	2
Soc 1	Intro to Sociology	3
Psych 3	Personal & Social Adjustment	3
Speech 2	Elements of Pub Speaking	3
or		
Speech 1	Intro to Speech	3
LH 25A-B	Turfgrass Management	3-3

SOCIAL WELFARE

Faculty: Kenneth Buckner
Counselor: Jeff Ferguson

Social workers are concerned with many types of social problems and needs. Among these are: physical, mental, and emotional handicaps; poverty; unemployment; broken homes; family maladjustment; anti-social behavior; limited recreational opportunities; and inadequate housing. A great variety of public and private agencies have social work programs, including public assistance programs, family and child welfare services, social services, for the crippled, disabled, and ill, and programs for the prevention of juvenile delinquency. Some specialized fields include school social work, medical social work, psychiatric social work, rehabilitation social work, group social work, and community organization work.

REQUIRED COURSES IN THE MAJOR

Fresno State College		
Soc 1	Introduction to Sociology	3
Soc 2	Social Problems	3
University of California, Los Angeles		
Soc 1	Introduction to Sociology	3
Soc 2	Social Problems	3
Math 15	Introductory Statistics	4

REQUIRED GENERAL EDUCATION COURSES

UCLA		
For Lan	Foreign Language	4,4,4

SOCIOLOGY

Faculty: Kenneth Buckner, Walter Lossner, Elizabeth Vance
Counselor: Jeff Ferguson

Sociologists study the many groups and institutions which man forms—families, tribes, communities, nations, and states. They study the behavior and interaction of groups, trace their origin and growth, and analyze the influence of group activities on individual members, individual members' influence on groups and on other individuals. Sociologists may study individuals, families, or communities in an attempt to discover the causes of social problems such as crime, juvenile delinquency, alcoholism, poverty, and dependency. About three-fourths of the sociologists—people in research and administrative positions, as well as teachers—work in colleges and universities. About one-tenth are in federal, state, local, or international government agencies; the rest work in private industry or for welfare or other non-profit organizations or are self-employed.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		
Soc 1	Introduction to Sociology	3
Suggested Electives:		
Psych 1A	Introduction to Psychology	3
Anth 2	Cultural Anthropology	3
Econ 1A	Principles of Economics	3
Soc 2	Social Problems	3
Soc 3	Social Analysis	3
Math 15	Introductory Statistics	4
University of California, Santa Barbara		
Soc 1	Introduction to Sociology	3
Math 15	Introductory Statistics	4
Psych 1A	Introduction to Psychology	3
Suggested Electives:		
Anth 2	Cultural Anthropology	3
Econ 1A-B	Principles of Economics	3,3
Hist 1A-B	Introduction to Western Civilization	3,3

REQUIRED GENERAL EDUCATION COURSES

UCSB		
For Lan	Foreign Language (3 semesters or 5 quarters)	
General Speech Major:		
ThA 24	Introduction to the Theatre	3
Hist 7A-B	Social/Political History of the U.S.	3,3
Hist 9A-B	History of the Americas	3,3
Speech & Hearing Major:		
Psych 3	Personal and Social Adjustment	3
Rhetoric and Public Address Major:		
Econ 1A	Principles of Economics	3
Hist 1A-B	Introduction to Western Civilization	3,3
or		
Hist 7A-B	Social/Political History of the U.S.	3,3
Combined Speech and Dramatic Art:		
ThA 2A-B	Fundamentals of Acting	3,3
ThA 21A	Theatre Production	3
ThA 24	Introduction to the Theatre	3
Hist 1A-B	Introduction to Western Civilization	3,3

RECOMMENDED COURSES

UCSB		
Psych 2	General Psychology	3

SPANISH

Faculty: Beverly Pearson, Amado Reynoso
Counselor: Phyllis Cool

With the growing interdependence of nations, persons with facility in foreign languages are needed more than ever. Specialists work in such areas as anthropology, economics, political science, literature, and sociology. Still the principal area of employment is in teaching on the elementary, secondary and college levels. Other careers may be found in interpreting, translating, research, diplomacy and other government work, libraries, and the publishing business.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College and University of California, Santa Barbara		
Spn 1A-B	Elementary Spanish	4,4
Spn 2A-B	Intermediate Spanish	4,4

RECOMMENDED GENERAL EDUCATION COURSES

Hist 9A-B	History of the Americas	3,3
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SPEECH

Faculty: Sidney Adler; C. Tod Fortner, Carole Ginet; Roland Glover;
Robert Reynolds; Richard Strong
Counselor: Carole Ginet

Speech, or rhetoric as it was once called, is one of the oldest and most revered of the liberal arts. In addition to studying the history of oration and debate from Pericles and Cicero to the present, students now enter such specialized fields as speech therapy (working with mentally retarded, deaf and hard of hearing, and psychologically disturbed), child welfare, psychology, and counseling.

REQUIRED GENERAL EDUCATION COURSES

San Fernando Valley State College		
Speech 1	Introduction to Speech	3
Speech 2	Public Speaking	3
Speech 5	Oral Interpretation (Speech 5 not required for Speech Correction Major)	3
University of California, Santa Barbara		
Speech 1	Introduction to Speech (General Speech Major)	3
Broad 2	Introductio to Radio-TV Broadcasting (Rhetoric & Public Address Major)	3
Speech 5	Oral Interpretation (Speech & Drama Major)	3

THEATRE ARTS

Faculty: C. Tod Fortner; Robert Reynolds, Department Head
Counselor: Carole Ginet

"All the world's a stage, and all the men and women merely players." A good play holds the mirror up to life, and actors are the "brief chroniclers" of our time. But the play also requires a host of supporting personnel, including directors, writers, costume designers, sound and light technicians, scene and theatre designers.

REQUIRED COURSES IN THE MAJOR

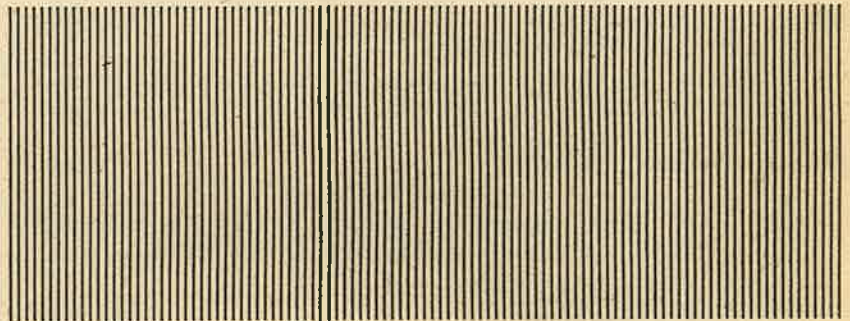
San Fernando Valley State College		
ThA 2A	Fundamentals of Acting	3½
ThA 20A-B	Theatre Production	3,3
University of California, Santa Barbara		
ThA 2A-B	Fundamentals of Acting	3½,3½
ThA 20A-B	Theatre Production	3,3
ThA 24	Introduction to the Theatre	3

REQUIRED GENERAL EDUCATION COURSES

University of California, Santa Barbara		
Hist 1A-B	Introduction to Western Civilization	3,3
Art 2	Art Appreciation	3
Music 8	Music Appreciation	3
Phil 1A	Introduction to Philosophy	3
PE 36	Modern Dance	1
Psych 3	Personal and Social Adjustment	3
Anth 2	Cultural Anthropology	3
For Lan	Foreign Language	4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

San Fernando Valley State College		
Psych 2	General Psychology	3
ThA 3	Voice and Diction	3
ThA 24	Introduction to the Theatre	3
Hist 1A-B	Introduction to Western Civilization	3,3



FACULTY

- ADLER, SIDNEY (1968)** English
B.A., M.A., City College of New York; Graduate work, New York University; Ph.D., University of Southern California
Experience: Instructor, New York City High Schools, Morningside High School, Inglewood; UCSB Extension.
- AGUILERA, CHRISTINE S. (1972)** Mathematics
B.A., University of California, Irvine; M.A., University of California, San Diego
Experience: T.A. - University of California, San Diego
- AIKEN, KIRK (1969)** Department Head, Art
B.A., University of Southern California; M.A., California State College, Los Angeles.
Experience: Instructor Harvard High School; Shows at CSCLA Gallery, University of California, Los Angeles County Museum, Museum of Science and Industry, Pasadena Design Show.
- AINGE, KENNETH E. (1967)** Chairman, Division of Technology
A.B., University of California, Santa Barbara; M.A., University of California, Los Angeles; Graduate Study, Brigham Young University
Experience: Department Manager, Sears, Roebuck and Company; Sales Agent and Underwriter, Allstate Insurance Company; Instructor and Coordinator, Pasadena City College.
- ALGER, NORMAN (1970)** Anthropology
B.S., University of Washington; M.A., University of California, Santa Barbara
Experience: Teaching Assistant, University of California Santa Barbara, Arizona State University; Instructor, University of California, Santa Barbara Extension, San Fernando Valley State College Extension.
- ALLEN, JUDITH (1968)** English
A.B., Pennsylvania State University; M.A., Sacramento State College
Experience: Teaching Assistant, University of Southern California; Instructor, California State Polytechnic College, San Luis Obispo and California State College, Los Angeles
- ANDERSON, DONALD (1968)** Agriculture
B.S., Fresno State; M.A., California Polytechnic College, San Luis Obispo
Experience: North American Aviation, Special Technician, Engineering Department; Instructor, Sanger High School.
- BASSETT, ESTELLA M. (1967)** College Nurse, Health Education
R.N., Saint Mary's Hospital School of Nursing, Rochester, New York; M.S., State University College Brockport, New York; M.P.H., University of California, Los Angeles
Experience: Director of Health Services, State University College, Geneseo, New York; Associate Professor-Health Education, State University College, Brockport, New York; Health Administrators Workshop, Brigham Young University, June, 1970.
- BENDAT, WILLIAM I. (1970)** Counseling/Political Science
B.A., University of California, Los Angeles; M.A., San Diego State College; Graduate Study, Los Angeles State College, San Fernando Valley State College
Experience: NDEA Year Grants; Consultant-group Counselor, Los Angeles City Schools and Tacoma City Schools; Instructor, Los Angeles City Schools, Pierce College.
- BERG, EUGENE (1970)** Chemistry
A.B., University of California, Los Angeles; M.S., California State College, Long Beach; Ph.D., University of California, Los Angeles.
Experience: Instructor, California State College, Long Beach, University High School.
- BERON, ALBERTO (1971)** Mathematics
B.S., M.A., California State College
Experience: Mathematics consultant, California State Department of Education; Instructor, University of California, Los Angeles, Pepperdine University.
- BETTINI, ARTHUR J. (1967)** History
B.A., M.A., University of California, Los Angeles.
Experience: Supervising teacher, University of California Psychology Clinic School; Instructor, Inglewood High School; Inglewood Adult Evening School; Ventura College.
- BIDERMAN, SHARON (1972)** Secretarial
B.A., Cornell College, Iowa
Experience: Secretary, Moorpark College, Raypak, System Development Corp., Rocketdyne.
- BISHOP, DAVID L. (1968)** Life Science
B.S., Washington State University; M.A., University of California, Santa Barbara
Experience: Teaching Assistant; Instructor, Santa Barbara City College.
- BLACK, RICHARD L. (1968)** English
B.A., M.A., University of California, Santa Barbara
Experience: Student-Teaching, Santa Barbara City College
- BOEDECKER, ROGER W. (1967)** Chairman, Division of Social Sciences
B.A., M.A., Long Beach State; Graduate Work at Claremont Graduate School, Eastern Oregon College, University of California, Riverside; University of California, Santa Barbara and Los Angeles State College
Experience: Instructor, Westminster Intermediate School, Huntington Beach High School, Rim of the World High School
- BOWEN, DONALD C. (1967)** Business Administration
B.S., San Diego State College; M.B.A., University of California, Los Angeles; Graduate work at University of Southern California, Los Angeles State College, and San Fernando Valley State College
Experience: Bank Auditor, computer operator and controller in Los Angeles
- BRIDGEMAN, GERALD (1969)** Political Science
A.B., M.A., University of California, Berkeley
Experience: Instructor, Yuba College, Kauai High School, Hawaii, Lick-Wilmerding School, San Francisco
- BRINKMAN, GARY W. (1967)** Counselor
A.A., Mt. San Antonio College; B.S., Brigham Young University; M.A., California State Polytechnic College; Ed.D., Brigham Young University
Experience: Instructor, King City High School, LaHabra High School; Administrative Assistant, Brigham Young University
- BRISBY, WILLIAM L. (1969)** Biology
B.S., Colorado State University; M.S., University of Southern California
Experience: Science Education Consultant, State of California; Director Marine Biology Institute, Naval Missile Center, National Science Foundation, University of California, Santa Barbara; Research Biologist, Naval Missile Center; Industrial Consultant Marine Biology; Chairman, Science Department, Filmore High School
- BROCKETT, DONALD (1970)** Health Science
B.A., M.A., Fresno State College
Experience: Instructor, Camarillo High School, Rio Mesa High School, Anaheim Union High School District
- BUCKNER, KENNETH (1968)** Sociology
B.S., M.A., University of Southern California
Experience: Instructor, Los Angeles City Schools, Burbank High School, Santa Monica City College
- BURKE, TANYA L. (1967)** Business Education
B.S., M.A., Western Michigan University, Graduate work at San Fernando Valley State College
Experience: Instructor, Western Michigan University, Elk Grove High School
- CAMILLUCCI, LEWIS (1969)** Associate Dean of Students
Counseling
B.A., M.A., San Jose State College
Experience: Chairman of Counseling, Channel Islands High School; Counselor, Oxnard High School; Instructor, Hueneme High School, Oxnard High School; NDEA Counseling and Guidance Institute, Atlanta University
- CHAPMAN, JANE M. (1968)** Foreign Language
B.S., M.A., Purdue University
Experience: Instructor, Los Angeles, Glendale School Districts, Glendale College
- COOL, PHYLLIS (1970)** Counselor
B.A., La Verne College; M.S., San Diego State College
- COPSEY, CECILE M. (1968)** History
B.A., University of California, Berkeley; M.A., University of California, Los Angeles
Experience: Instructor, Golden West College; Santa Monica City College
- CORBELL, MARJORIE (1970)** Secretarial
A.A., Kansas City Junior College, B.S., Central Missouri State College
Experience: Instructor, Simi Unified District
- COSTER, JAN KILIAN (1972)** Philosophy
B.A., Harvard University, Massachusetts; M.A., University of California, Santa Barbara
Experience: Instructor, Santa Barbara Community College
- CROWE, JUDY L. (1968)** Home Economics
B.S., University of California, Los Angeles; M.S., San Fernando Valley State College
Experience: Southern California Gas Company Home Economist
- DAVIE, JOHN (1971)** English
B.A., Southwestern at Memphis, Tennessee; M.A., University of California, Santa Barbara.
Experience: Teaching Assistant and Associate, University of California, Santa Barbara
- DEUTSCH, DOLORES (1970)** Nursery School
B.A., University of California; M.A., San Fernando Valley State College
Experience: Director, Tarzana Parent Cooperative Nursery School; Principal and Acting Director of San Fernando Valley State College Pre-School Laboratory; Instructor of Education, San Fernando Valley State College
- DICKNEIDER, WILLIAM C. (1969)** Economics
B.S., M.A., University of California, Los Angeles
Experience: Accounting department, Pacific Lighting Gas Supply Co., Los Angeles; Instructor, Santa Monica City College; Peace Corps, Peru

- DOBSON, DALE E. (1970) Instructional Media
B.A., M.A., California State College, Los Angeles
Experience: Free Lance Designer, Director of A-V Communications, MDTA, Instructor, Garvy School District, Walnut School District
- DODGEN, WILLIAM (1971) Art
A.B., Drury College, Missouri; M.F.A., University of Wichita, Kansas.
Experience: Illustrator, Boeing Aircraft, Washington; Instructor, Arkansas Polytechnic College, Arkansas; Moorpark Union High School, Moorpark.
- DUNHAM, PAUL (1967) Chairman, Health Science/Physical Education
A.A., Taft Junior College; B.A., University of California, Santa Barbara; M.A., San Fernando Valley State College
Experience: Instructor, Santa Ynez High School, Camarillo High School, Thousand Oaks, High School, Ventura College
- EDDE, BYRON D. (1967) Coordinator, Engineering and Engineering Technology
B.S., University of California at Berkeley; M.S., University of California, Los Angeles
Experience: Electronics Engineer, Pacific Missile Range, Pt. Mugu; Member of Technical Staff, Hughes Aircraft Company; Senior Engineer, Litton Systems
- EDWARDS, RICHARD (1970) English
A.A., Ventura College; A.B., University of California; M.A., Yale University Graduate School
Experience: Instructor, University of California
- EKBACK, HUGO (1971) English
B.A., University of California, Riverside; M.A., Chico State College, California
Experience: Teaching Assistant, Chico State College; University of Utah
- ESCOBEDO, EDWARD (1971) Counselor
A.B., University of California, San Bernardino Valley College, Ventura College.
Experience: Neighborhood Youth Corps, Oxnard - Field Representative.
- FECHT, GERALD R. (1969) Director of Student Activities
A.A., Los Angeles Valley College; A.B., M.S., University of Southern California; Graduate studies at Loyola University, U.C.L.A. and U.S.C.
Experience: Instructor, Patrick Henry Junior High School, Burbank High School
- FERGUSON, JEFFREY (1972) Counselor
B.A., University of California, Berkeley; M.A., Stanford University
Experience: Advisory Board member, Stanford Institute for Behavioral Counseling; Counselor - Motivation Study, DeAnza College, Cupertino, California.
- FIERRO, FRANK (1970) Mexican-American Studies
A.A., Los Angeles Valley College; B.A., M.A., San Fernando Valley State College
- FINK, PAUL (1970) Philosophy
B.A., Pennsylvania State University; M.A., University of Rochester
Experience: Instructor, Long Beach City College
- FLEMING, JACK A. (1968) Coordinator, Law Enforcement
B.A., Sacramento State College
Experience: Kern County Sheriff; Instructor, Bakersfield College, Orange Coast College
- FORTNER, C. TOD (1969) Drama, Speech
B.A., M.A., Fresno State College
Experience: Entertainment Specialist, U.S. Army Special Services; Instructor, Fresno City Secondary School District; Actor, Pacific Conservatory of the Performing Arts; Instructor, Butte Community College
- GARBUTT, MAX O. (1969) Mathematics
A.B., University of California, Berkeley; M.A., San Jose State College
Experience: Surveyor, State of California; Instructor, Chico State College; IBM Corporation programmer
- GAYLE, JAMES R. (1967) Associate Dean of Instruction
B.S., U.S. Naval Academy; M.S., Purdue University; Graduate Study, Reed College, University of Missouri, U.C.L.A., University of Washington
Experience: Naval Officer; Instructor, Bakersfield College
- GILMAN, RICHARD E. (1967) Chairman, Division of Natural Science and Mathematics
B.S., M.S., St. Mary's College; Winona, Minnesota; Graduate study at University of Iowa, University of California at Los Angeles, University of Southern California
Experience: Research Assistant, State University of Iowa, Instructor, Burbank High School, Ventura College
- GINET, CAROLE (1968) Counseling/Speech
A.B., University of California, Berkeley; M.S., University of Southern California
Experience: Instructor, Canoga Park High School
- GLANTZ, JOSEPH (1972) Geography
B.A., University of California, Los Angeles; M.A., San Fernando Valley State College, Northridge
Experience: Meteorologist, Rocketdyne, Instructor, San Fernando Valley State College
- GLOVER, ROLAND (1968) Speech
B.A., California State, Los Angeles; M.A., Mt. St. Mary's College
Experience: Instructor, West Torrance High School, Aviation High School, Los Angeles Trade Tech., Compton College
- GONZALEZ, JOSEPH G. (1971) History
B.A., M.A., University of California, Santa Barbara
Experience: Teaching Assistant, University of California, Santa Barbara.
- GRAY, JOHN M. (1971) Photography and Graphics
Institute of Design, Chicago, Illinois
Experience: Advertising Manager, Pacific Music Supply; Art Director for "Open Places" magazine, New York City
- GRIFFITH, RANDOLPH W. (1967) History
B.A., University of California at Riverside; M.A., University of California at Los Angeles
Experience: Social Worker and social work supervisor, Los Angeles Bureau of Public Assistant; Vocal tutor in New York City, Ventura, Los Angeles, San Bernardino
- GUCCIARDO, PETER (1971) Work Experience Coordinator
A.B., California Lutheran College, Thousand Oaks, California; M.A., University of Southern California, Los Angeles
- HANFT, JOHN W. (1967) Department Head, Language & Literature
B.A., University of California at Riverside; M.A., Chico State College; Graduate work, San Francisco State College, San Jose State College
Experience: Instructor, Orange Glen High School, Escondido; Sonora Union High School, Ventura College
- HANNON, JAMES (1971) Political Science
B.A., Wayne State University, Detroit; M.A., University of California, Los Angeles.
Experience: Coordinator, Head Start San Francisco and Modesto, California; Administrative Assistant, Head Start, San Fernando Valley State College, California; Instructor, Political Science, California Lutheran College, Thousand Oaks, California
- HARRIS, VERLE D. (1968) Engineering
B.S.E., California State College, Long Beach
Experience: Registered Professional Engineer; Structural Engineer, Homes and Narver; Civil Engineer, Ventura County Department of Public Works; consulting Engineer
- HAYASHI, MASATO (1971) Mathematics
B.A., California State College, Los Angeles; M.A., Sonoma State College.
Experience: Instructor, Sonoma State College; Golden West College
- HEARON, W. RAY (1967) Dean of Students
B.A., M.A., University of California, Berkeley; Ed.D., University of California, Los Angeles; Graduate study, University of California, Los Angeles, Fresno State College, Long Beach State College
Experience: Instructor, Assistant Principal, McFarland High School, McFarland, California; Dean of Student Activities, West High School, Bakersfield, California
- HERMAN, ROBERT M. (1968) Political Science
B.A., M.A., University of California, Santa Barbara
Experience: Teaching Assistant, University of California, Irvine; Advisor, President's Commission on Law Enforcement and the Administration of Justice
- HERZOG, STEPHEN J. (1967) Humanities/Social Science
B.A., M.A., Ph.D., University of California, Los Angeles
Experience: Part-time instructor Los Angeles, City College; Santa Monica City College; Instructor, Ventura College, Moorpark College
Faculty Senate President, 1967-68; Head, Social Science Department, 1967-70.
- HEYDENREICH, JOHN (1971) Counselor
B.S., University of California, Los Angeles; M.S., California State College, Los Angeles
Experience: Instructor, Pasteur Jr. High, Los Angeles, Wright Junior High, Los Angeles, Hale Junior High, Woodland Hills, California; Counselor, Birmingham High, Van Nuys, California; El Camino Real High School, Woodland Hills, California.
- HO, DIANA (1970) English
A.A., Ventura College; B.A., M.A., San Francisco State College
Experience: Instructor, San Francisco State College
- HOBSON, ANTHONY RAY (1970) Graphic Arts
B.S., California State Polytechnic College, San Luis Obispo; Graduate study, California State College at Long Beach; Graphic Artist, Logicon, Inc., San Pedro; recipient of "Who's Who Among Students in American Colleges and Universities," 1968-69
- HOUSER, PHILIP (1969) French, English
B.A., Ursinus College, Pennsylvania; M.A., Pennsylvania State University
Experience: Instructor, Pennsylvania State University; University of California, Berkeley, Rio Vista Senior High School, Rio Vista, California; Ventura College, Solano College, California
- HURLEY, JOHN E. (1967) Reference Librarian
B.A., M.A., San Diego State College; M.L.S., University of California, Los Angeles
Experience: Instructor, Grossmont High School District

- HYAMS, ALAN (1971) English, Music
B.A., M.A., California State College, Los Angeles
Experience: Instructor, John Burroughs Jr. High; Hale Jr. High and Taft High School, California.
- IMBACH, MARJORIE (1971) Coordinator, Community Services
B.A., University of California, Santa Barbara; M.A., University of California, Los Angeles.
Experience: Instructor, Jordan Jr. High; Burbank High School, California.
- INGERSOLL, ORBIE D. (1967) Music
B.A., San Fernando Valley State College; Graduate study at University of California, Santa Barbara
Experience: Instructor, Alemany High School, Mission Hills; Adolfo Camarillo High School; Associate Conductor, Ventura County Symphony Orchestra
- JAY, WILLIAM (1969) Counseling/Mathematics
B.A., E.Ed., University of Vermont
Experience: Counselor, Burbank High School; Instructor, Burbank High School, Vergennes High School, Vermont
- KEEVER, JOHN P. (1969) Physical Education
B.A., University of California, Santa Barbara; M.A., Chico State College
Experience: Assistant Football coach, University of California, Santa Barbara; UCSB Coaching Camp assistant coach; Rugby coach, assistant football coach, Chico State College
- KLOSE, TAYLOR (1971) English
B.A., Harvard University, Massachusetts; M.A., San Fernando Valley State College.
Experience: Instructor, Alexander Hamilton High School; Francis Parkman Jr. High; Palos Verdes High School, California.
- KURTIK, RICHARD J. (1971) Chemistry
B.S., California State College; M.A., University of California, Santa Barbara
Experience: Instructor, Torrance Unified School District; Teaching Assistant, University of Arizona, University of California, Santa Barbara
- LANDSTAD, JULIE (1968) English
B.A., University of Southern California; M.A., California State College, Long Beach
Experience: Instructor, Morningside High School, Inglewood
- LANE, JAMES W. (1969) Law Enforcement
A.A., Valley College, Van Nuys, California
Experience: Instructor, Valley College; Los Angeles City Police Captain.
- LLOYD, LAWRENCE G. (1967) Assistant Dean of Instruction,
Career Education and Community Campus
A.B., M.A., University of Southern California
Experience: Instructor, Burbank High School; Faculty Senate President-Elect, 1969-70
- LOMBARDI, ROBERT A. (1967) President
A.B., M.A., University of Southern California
Experience: Counselor-Instructor, Ventura College; Dean of Students, Moorpark College
- LONG, KNOX T. (1968) Counseling/History
B.A., University of California, Santa Barbara; M.A., California State College at Los Angeles
Experience: Instructor, San Marino High School, San Luis Obispo High School; Cuesta College, Ventura College
- LOPEZ, ROBERT (1971) Anthropology
B.A., M.A., San Fernando Valley State College
Experience: Archaeological Aid, State of California Parks and Recreation Department
- LOSSNER, WALTER M. (1969) Sociology
B.A., B.D., Concordia Seminary; M.S., Los Angeles State College, Ph.D., University of Southern California; Counseling Psychologist Compton Counseling Service, Lic. Marriage, Family & Child Counselor
Experience: Instructor, Glendale College, University of Southern California, Pastor, Lutheran Church
- LOWE, ALAN (1969) Psychology
B.A., M.A., Ph.D., University of California, Los Angeles; Graduate work, University of California
Experience: Research Assistant, University of California; Consultant and research assistant, Institute for Development of Educational Activities, Los Angeles
- MALLORY, NORMAN C. (1972) English
B.A., M.A., Chico State College, California
Experience: Instructor, Chico State College, University of Nevada, Reno
- MARTIN, FLOYD D. (1967) Department Head, Mathematics
B.S., M.A., Arizona State University; Advanced Graduate Study, Arizona University
Experience: Dean of Men's staff, Teaching Assistant, Arizona State; Engineer, Systems Analyst, Motorola, Inc.
- MASON, KATHLEEN C. (1967) Physical Education
B.A., B.F.A., University of Utah; M.E.D., University of Maryland; Fulbright Scholar, Great Britain.
Experience: Instructor, George Washington University, Washington, D.C.; Georgetown Dance Workshop, Washington, D.C.
- McCULLOUGH, MODEAN (1969) Physical Education
B.S., Jamestown College, Jamestown, North Dakota; M.S., University of North Dakota
Experience: Instructor, University of North Dakota, Perris Valley Jr. High School, Perris, California; Valley City State College, North Dakota; Simi Valley High School
- MEDLEY, DON B. (1968) Data Processing
B.V.E., M.A., California State University, Los Angeles
Experience: Senior Management Systems Designer; Xerox Data Systems; Senior Computing Analyst, Rocketdyne; Manager, Data Processing Operations, Telecomputing; Programmer, Hughes Aircraft
- MEHR, SHELDON (1970) Music
Northwestern University; B.A., University of California, Los Angeles; M.A., California State College
Experience: Instructor, Belmont High School; Van Nuys Junior High School, Granada Hills High School
- MENZIE, JOHN C. (1967) Physics
A.B., University of California, Riverside; M.A., Brown University Graduate School; Graduate studies, Claremont Graduate School, University of Wyoming, North Carolina State, University of California, Los Angeles
Experience: Instructor, San Bernardino Valley College, University of Wyoming; Fulbright-Hayes Teacher Exchange, England, 1970-71
- MEYER, HAROLD F. (1969) Physics
B.S., M.A., California State College, Long Beach
Experience: Electro-Optical Engineer, Hughes Aircraft; Instructor, California State College, Long Beach
- MILLER, ALFRED J. (1972) Broadcasting
A.B., University of N. Carolina; M.S., University of Illinois
Experience: Instructor, University of Georgia, Columbia College of Communications
- MILLER, LARRY O. (1971) Biology
B.A., M.A., Ph.D., University of California, Santa Barbara
Experience: Instructor, University of California, Santa Barbara; Research Biologist, Firestone, Akron, Ohio.
- MILLER, ROBERT W. (1967) Department Head, Physical Science
A.B., Temple University; M.S., University of Arizona, Graduate Study, California State College, Long Beach
Experience: Research Chemist, Shell Chemical Company, Faculty Senate President, 1968-69
- MOLNAR, CHARLES D. (1968) Mathematics
B.S., Harvey Mudd College; M.A., University of California, Riverside; Graduate Study, Claremont Graduate School, Stanford University
Experience: Instructor, Claremont High School, Chaffey High School.
- MOORE, JAMES, Jr. (1967) Assistant Dean of Students,
Admissions & Records
B.S., M.S., University of Southern California
Experience: Division Head and Athletic Director, Yuma Union High School District, Instructor and head football coach, Ventura College; Chairman, Health Science/Physical Education Division, Moorpark College
- MOORE, LINDA (1968) Physical Education
B.A., Purdue University
Experience: Physical Education instructor, Moorpark High School, NSF Summer Institute, Purdue University, Klondike School government research project.
- MOORE, RICHARD L. (1966) Dean of Instruction
B.A., Claremont Men's College, M.B.A., University of California, Berkeley; Ph.D., Claremont Graduate School and University Center
Experience: Assistant Professor of Business, San Jose State College; Division Chairman of Business and Economics, Director of Vocational Education, San Bernardino Valley College.
- MURPHY, DAVID K. (1969) Chemistry
B.S., University of California, Berkeley; M.A., Ph.D., University of California, Santa Barbara
Experience: Teaching Assistant, Research Assistant, Associate, Summer Session Lecturer, University of California, Santa Barbara.
- NASATIR, DOROTHY E. (1972) Early Childhood Education
B.S., Purdue University, Indiana; M.A., California State University, Northridge.
Experience: Instructor, Los Angeles City Schools; Nursery School Instructor, Child Care Centers.
- NORDQUIST, ALVYN O. (1967) Physical Education
B.A., San Diego State College; M.A., Long Beach State College
Experience: Instructor, Lynwood High School, Compton College.
- NOYES, JACK (1970) Art
B.S., M.A., University of Michigan
Experience: Instructor, New Park Avenue School, Conn., Illing Junior High School, Conn. Bakersfield College.
- OWEN, EARL B. (1967) English
B.A., University of Redlands; M.A., University of California at Los Angeles
Experience: Instructor, Hinkley Elementary School, Hinkley, California; Principal and teacher at the Bureau of Indian Affairs School, Alakanuk and Wales, Alaska; Instructor at Nome High school, Nordhoff Union High School, Ventura College.

- ACHECO, DARLENE (1969) Psychology
B.A., Colorado State University; M.A., Ed.D. Colorado State University
Experience: Instructor, Adams City, Colorado, School Psychologist, Polk County Board of Education, Iowa; Instructor Ventura College.
- AGSON, PAUL (1971) Social Science
B.A., Loyola University, Los Angeles
Experience: Instructor-lab assistant, Los Angeles County USC Medical Center.
- ARKER, DELBERT M. (1969) Physical Education
B.S., M.S., University of California, Los Angeles
Experience: Instructor, University of California, Los Angeles, United States Military Academy, West Point.
- ATTERSON, SUSAN (1972) Chemistry
B.S., University of Illinois, M.A., University of California, Los Angeles
Experience: Teaching Assistant, University of California; Research Assistant, Eastman Kodak Fellowship.
- EARSON, BEVERLY J. (1967) Spanish
B.A., University of Michigan, M.A., University of California, Berkeley, NDEA Institutes at USC and Burgos, Spain
Experience: Instructor, Mt. Diablo High School, College of Marin, Ventura College.
- FERRY, RICHARD (1970) Political Science
B.A., University of California, Santa Barbara; J.D., University of California School of Law, Berkeley; M.A., Sacramento State College
Experience: Instructor, Lassen College.
- FOLLOCK, STEVEN J. (1968) Psychology
B.A., Whitman College, Washington; M.A. Claremont Graduate School; Ph.D., Claremont Graduate School
Experience: Research Assistant, Whitman College; Pizer College and Claremont Graduate School; teaching assistant, National Institute of Mental Health, Public Health Service Research Fellowship.
- FOPIEL, JON E. (1968) English
A.B., M.A., University of California, Los Angeles
Experience: Instructor, Los Angeles Valley College.
- FAGSDALE, GEORGE C. (1968) Physical Education
B.A., M.A., Fresno State College
Experience: Instructor, Camarillo High School, Rio Mesa High School.
- RAMIREZ, CARLOS (1971) Social Science
B.A., San Francisco State College; M.A., University of New Mexico
Experience: Graduate Teaching Assistant, University of New Mexico; University of California, Santa Barbara
- REYNOLDS, JACK G. (1969) Life Science
B.A., M.A., University of California, Berkeley
Experience: Curatorial Asst., Museum of Vertebrate Zoology, University of California; Instructor, University of California, Santa Barbara; Laboratory of Infectious Diseases, Bethesda, Md., Arctic Research Laboratory.
- REYNOLDS, ROBERT E. (1967) Department Head, Fine and Performing Arts
B.F.A., Carnegie Institute of Technology; Ph.D. University of Minnesota; Graduate study, California Institute of Radio and Television
Experience: Professional work in theatre, radio and television; Recreation Administrator, Ventura, Instructor, University of Minnesota.
- REYNOSO, AMADO (1969) Spanish
B.A., San Diego State College; M.A., San Francisco State College; NDEA Institutes
Experience: Instructor, Kraemer Intermediate School, Cambria, McFarland, Fullerton, Bakersfield; Consultant to California State Department of Education; Administrator, Wasco Schools Mexican-American Projects.
- RILEY, DAVID (1970) Mathematics
University of Dayton, A.B., University of California; San Francisco State College; M.A., University of California.
- RODGERS, WILLIAM C. (1968) Department Head, Business and Economics
B.A., St. Ambrose College; M.B.A., San Jose State;
Experience: Assistant Professor, San Jose State College; Graduate Study University of Santa Clara.
- ROLFF, KARLA (1972) Anthropology
B.A., M.A., University of California, Santa Barbara
Experience: Instructor, University of California, Santa Barbara
- SARDISCO, FRANK V. (1968) Art
B.A., UCLA; M.F.A., Otis Art Institute
Experience: Instructor, Woodbury College, Los Angeles; Purchase Award, Pasadena Museum; Bronze Medal Winner, Los Angeles, Eight one-man exhibitions, Instructor, Ventura College.
- SARNECKY, DOROTHY (1967) Geology
B.A., Notre Dame; M.S., Stanford University; Graduate Study, University of Southern California, New Mexico State University, National Science Foundation Institute, Colorado State University; Earth Science Teaching Intern Supervisor, Stanford University; Instructor, Santa Ana College, Riverside City College
- SCHONBERGER, CLINTON (1967) Department Head, Life Sciences
B.A., B.S., M.A., University of North Dakota; Graduate work at University of Washington, UCLA and USC
Experience: Instructor in Illinois, North Dakota and California; Chairman of Biology at San Bernardino Valley College.
- SCOTT, DELMORE E. (1969) Art
B.F.A., M.F.A., University of Southern California
Experience: Assistant Curator, Art Department, Los Angeles County Museum; Senior Lecturer, Department of Fine Arts, University of Southern California; Adult Lecture Series, Whittier Art Association, Fine Arts Patrons of Newport Harbor, Riverside Art Association, Pasadena Art Museum; Art Photographer; Lecturer, California Institute of the Arts.
- SEELY, MICHAEL K. (1967) Division Chairman, Humanities
A.B., M.A., University of California, Santa Barbara; Graduate work at Gonzaga University
Experience: Instructor at Glenbrook Intermediate School in Concord, Phnahou School in Honolulu; Assoc. Dept. of English UCSB, Instructor at Ventura College; Department Head, Language & Literature, Moorpark College
- SESSOMS, ISAI AH (1970) Financial Aids Counselor
B.A., Kentucky State; M.A., University of California, Los Angeles
Experience: Instructor, Drew Junior High School, Compton.
- SHERIDAN, PAMELA, (1969) English
B.A., M.A., University of California, Santa Barbara
Experience: Instructor, Santa Barbara School District.
- SHINDO, KOKKI (1969) Mathematics
A.B., Ripon College, Wisconsin, University of California, Los Angeles, M.S., Western Washington State, M.A., University of California, Los Angeles.
Experience: Instructor, Verdugo Hills High School, Chatsworth High School, Grant High School, Pierce College.
- SIEGEL, HOWARD (1967) Assistant Dean of Instruction, Summer, Evening & Specialized Programs
B.A., Queens College, New York; M.A., Kansas State University; Graduate Studies, University of Connecticut; Ph.D., USC, Fellow, University of Kansas
Experience: Instructor, University of Missouri, Lecturer, USC; Ventura College; Division Chairman, Humanities, Moorpark College
- SLAMA, MICHAEL M. (1966) Director of Library Services
J.D., Charles University, Prague, Czech; M.A., University of Denver; Graduate Study, Claremont Graduate School and University Center
Experience: Catalog Librarian; Order Librarian, Assistant Librarian, University of Idaho; Assistant Librarian, California State Polytechnic University, Pomona.
- SMITH, MITCHELL L. (1972) Law Enforcement
B.S., M.S., San Diego State University
Experience: Instructor, Grossmont College, El Cajon, San Diego State College Extension; Patrolman, San Diego Police Department Detective
- SNYDER, CAROL L. (1972) Biology
A.B., Occidental College, Los Angeles, M.A., San Diego State College.
Experience: Instructor, Grossmont College; Assistant Curator-Ornithology Museum
- SOMMER, MAYNARD E. (1967) Administrative Assistant
B.S., Fresno State College; M.A., University of California, Davis
Experience: Instructor, Bakersfield College; Assistant to Dean of Evening Division, Bakersfield College.
- SPILLER, R. BRUCE (1970) Agriculture
B.S., Fresno State, M.A., Cal Poly; San Luis Obispo
Experience: Instructor, Rigetti High School in Santa Maria.
- STEMEN, JAMES A. (1969) Music
B.A., Goshen College; M.A., Southern Methodist University
Experience: Instructor, Osolo Junior High School, Indiana; Elkhart Community Schools, Indiana; Choral Director.
- STEPHENS, ROBERT T. (1968) Mathematics
B.S., Brigham Young University; M.S. University of California, Riverside
Experience: Instructor, University of California, Riverside.
- STRINGER, POLLY (1970) Home Economics
B.S., Oklahoma State University, Graduate work at San Fernando Valley State
Experience: Instructor Barstow, California, Simi Schools, Trona, California.
- STRONG, RICHARD (1971) Speech/Forensics
B.A., M.A., University of Redlands
Experience: Instructor, LaMirada High School, University of Redlands, San Fernando Valley College.
- STRUMPF, MICHAEL (1967) English, Reading
B.A., M.A., University of Southern California
Experience: Counselor-coordinator in Los Angeles City Schools, Junior High, Senior High, Adult Education; English for foreign born.
- STURGEON, JAMES H. (1967) Art
B.A., M.F.A., University of California, Santa Barbara
Experience: Partner in advertising agency, Chicago, Santa Barbara; Professional motion picture and still photographer; Produced musical play, Culver City; Painter of murals in Mexico; Instructor, Ventura College.
- SULLIVAN, RICHARD L. (1971) Physical Education
B.S., University of Minnesota
Experience: Instructor YMCA, Minneapolis, Minnesota; Macalester College, Minneapolis; Assistant Freshman Football Coach San Fernando Valley State College, Northridge

- WALL, SINCLAIR (1968)** Reading, English
A.B., University of New Mexico; M.A., University of Chicago
Experience: Instructor, Scipio Township Schools, Indiana; Corona Unified Schools, San Diego Unified School.
- WALTERS, JOHN R. (1971)** Mathematics
B.A., University of California, Berkeley; M.A., University of Oregon
Experience: Instructor, University of Oregon; Boise State College, Idaho; University of Utah
- ZABOSKI, RONALD (1970)** Counselor
B.S., University of California; M.A., University of Southern California
Experience: Instructor, Parkman Junior High School, Hale Junior High School; Counselor, Crenshaw High School.
- TALLMAN, MAXINE R. (1967)** Psychology
B.A., M.A., University of California at Santa Barbara; Graduate work at Drake University, University of Iowa, Iowa State University
Experience: Psychometrist for Ventura County Board of Education; School psychologist for Des Moines Public Schools and Guidance Director for the Polk County Board of Education in Des Moines; Instructor at Ventura College.
- THOMSEN, JOHN E. (1969)** Engineering
B.S., M.S., University of California, Los Angeles
Experience: Instructor, Cabrillo Junior College.
- TREVINO, MANUEL O. (1971)** Physical Education
A.B., M.A., Chico State College, California
Experience: Instructor, Kennedy High School, Buena Park, Bellflower High School, California; Cross Country Coach, Chico High School, California.
- VANCE, ELIZABETH (1971)** Sociology
B.A., M.A., California State College, Long Beach
Experience: Instructor, Lynwood Unified School District, Paramount School District, California
- VENTURA, DONATO (1971)** Student Personnel
B.A., University of California, Santa Barbara; M.A., Texas Tech University, Lubbock Texas
Experience: Instructor; Oxnard Union High School; Pleasant Valley School, Camarillo, University of Southern California
- WAGNER, DAVID A. (1969)** Chemistry, Physical Science
B.S., Ohio State University; M.A.T., University of Michigan; M.S.T., University of Missouri
Experience: Instructor, Shreve High School, Ohio; Waynesfield High School, Ohio; Shawnee High School, Ohio; Thousand Oaks High School

GLOSSARY

- ADMISSIONS & RECORDS** - The office and staff that admits, accounts, and certifies each student's legal record in the college and is the source of the college's legal statistical data.
- ADMINISTRATION** - Officers who direct the activities of the college; also the building where they and their staff work.
- A.S.B. CARD** - Membership card of the Associated Student Body of Moorpark College which provides many services and privileges.
- ASSOCIATE IN ARTS DEGREE-AA** - A degree awarded by a community college upon satisfactory completion in an organized program of 60-64 units.
- AUDITING** - Enrollment in a course for no credit and no grade. This is not permitted at Moorpark College.
- BACHELOR'S DEGREE** - A degree awarded by a four-year college or university, after satisfactory completion of 120 to 130 semester units or more in an organized program of studies.
- CERTIFICATE** - Awarded to those who complete a required sequence of courses in some occupation majors, requiring less than 60 units of college work.
- COLLEGE CATALOG** - A bulletin issued by a college outlining course offerings and descriptions, majors, admission requirements, regulations, etc. The legal document of the institution.
- COMMUNITY COLLEGE** - A college which offers two years of college and awards the AA degree for 60 to 64 semester units of college work.
- COUNSELING** - Helping a student to develop self-understanding and educational and career plans.
- CREDIT BY EXAM** - Earning credit in a course by passing an exam, rather than by taking the course.
- CREDIT-NO CREDIT** - Official certification of the completion of a course of study for credit but with no mark.
- CURRICULUM** - Formal school-related activities that provide opportunities for learning.
- DISMISSAL** - Academic dismissal from the college.
- ELECTIVE (Course)** - A course selected by the student that is not required by his program or required for general education.
- EXTENDED DAY** - Regular college classes offered after 4:30 p.m. and until 10:30 p.m.
- FINANCIAL AID** - Program designed to assist students in paying educational expenses.
- GENERAL EDUCATION REQUIREMENTS** - A specific group of courses required of all students in college for receipt of the Bachelor's Degree; designed to broaden the students' education.

GUIDANCE - Individualization and personalization of the educational process. It includes analysis, information orientation, counseling, placement and follow-up.

GRADE POINTS - A numerical value assigned to each unit of College letter grades. For example, A = 4, B = 3, C = 2, D = 1, F = 0 Grade points. These points are used in computing your grade point average.

GRADE POINT AVERAGE - An average of the numbers derived after converting grades into grade points (A=4, B=3, C=2, D=1, F, I, W=0) determined by dividing total grade points by the number of units attempted.

INCOMPLETE GRADE - A grade of "I" received for not completing a required work in a certain course.

LABORATORY - A room or rooms appropriately equipped and used for scientific experimentation and research. A course may include a lecture session and a laboratory or seminar, requiring students to register for each.

LOWER DIVISION - Refers to students or courses at the freshman and sophomore level of college.

MAJOR - A group or series of courses designed to provide intensive education or training in a specialized area. Sometimes called a subject major.

OCCUPATIONAL COURSES - Courses designed specifically to train students for employment. Such courses do not transfer if they are numbered 5 or higher.

OCCUPATIONAL MAJOR - A major primarily intended to prepare students for immediate employment after community college attendance.

PETITION - A student request for reconsideration due to unusual circumstances, generally originates at the Dean of Students Office.

PLACEMENT OFFICE - College service primarily concerned with assisting students in college to find part-time work.

PLACEMENT TEST - Tests required prior to admission; used along with high school grade point average to assist students to select the most appropriate classes. (Not an entrance test.)

PROBATION - A trial period, usually one quarter or semester, in which the student must improve his academic achievement to avoid being dismissed from college, or to meet graduation requirements. At the end of any semester, a student who has failed to achieve a 2.0 GPA is placed on probation.

PREREQUISITE - A requirement that must be met before enrolling in a particular course, usually a placement test score, a prior course, or sophomore standing.

REGISTRATION - The process of being accepted and enrolled in classes.

SCHEDULE OF CLASSES - A booklet giving the name, time, teacher, unit, and room of all classes held.

SEMESTER - One-half of the academic year. The fall semester begins in September; spring semester in February; each is generally 18 week duration.

SEMESTER PLAN - A special form on which a student lists the courses he plans for the following semesters.

SEMINAR - Small group for discussion or research.

STUDENT INFORMATION SHEET - Admissions Office form for basic information regarding student, including the residency statement.

STUDENT PERSONNEL SERVICES - Provided under direction of Dean of Students, includes Admissions & Records, Guidance and Counseling, Athletic Activities, Student Activities, Health Services, Financial Aid, and Job Placement.

TRANSCRIPT - An official list of all courses taken by a student at a college or university, showing the final grade received for each course.

TRANSFER COLLEGE - A college or university which offers four or more years of college. It may award the Bachelor's, Master's, and Doctor's Degrees.

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years of college. It may award the Bachelor's, Master's, and Doctor's Degrees.

TRANSFER COURSES - Courses designed to match lower division courses at four-year institutions and for which credit may be transferred.

TRANSFER MAJOR - A major for students planning to transfer to a four-year college, where the major will be completed.

UNIT - Semester Unit; generally one lecture or discussion hour per week for 18 weeks. Also a number which indicates the amount of college credit given to a course. (60 to 64 units are required for the AA degree.)

UPPER DIVISION - Refers to students or courses at the Junior and Senior level of four-year colleges and universities.

WORK STUDY - A combined federal/local financial aid program for qualifying students who work on campus assisting the staff for fifteen hours each week.