

MOORPARK COLLEGE CATALOG 1971-72



FIFTH ACADEMIC YEAR

MEMBER OF

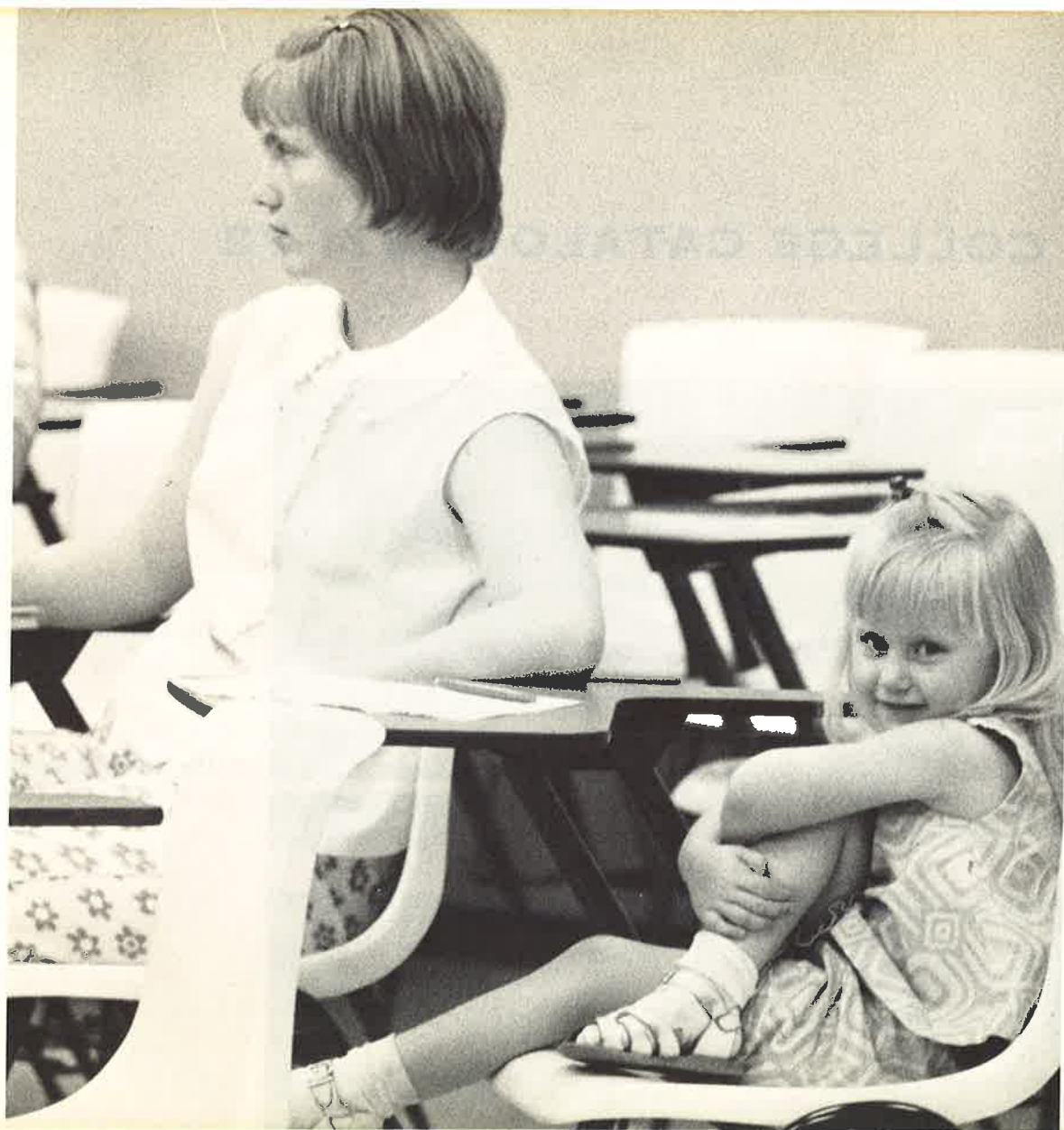
The American Association of Junior Colleges
The California Junior College Association
The Western Association of Schools and Colleges

ACCREDITED BY

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

MAILING ADDRESS

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Moorpark, CA 93021
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1971-72 CALENDAR

FALL SEMESTER

July 5	Holiday, Independence Day
6	Registration for returning students begins
22-29	Placement tests in A-109 at 10:00 a.m. and 7:00 p.m.
August 5, 12	Placement tests in A-109 at 10:00 and 7:00 p.m.
13	Counseling and registration of new students for fall semester begins. 9:00 a.m. - 4:00 p.m., Administration Building
Sept. 1, 2, 3	Registration for fall semester
6	Holiday, Labor Day
7, 8	Validation Days
13	INSTRUCTION BEGINS, FALL SEMESTER
20	Jewish New Year
Oct. 22	Last day to drop classes without prejudice.
25	Holiday, Veteran's Day
Nov 9	Second eight-week courses begin
15	Counseling for Spring Semester begins
25, 26	Holiday, Thanksgiving Day Recess
Dec. 20	Holiday, Christmas and New Year's Day recess begins
Jan. 3	Classes Resume
20-26	Final Examinations
24, 25	Validation Days
28	End of Fall semester

SPRING SEMESTER

Jan. 31	INSTRUCTION BEGINS, SPRING SEMESTER
Feb. 11	Holiday, Lincoln's Birthday
21	Holiday, Washington's Birthday
March 10	Last day to drop classes without prejudice
27-31	Spring Vacation
April 3	Classes Resume
	Second eight-week courses begin
15	Last day to file intent for graduation
May 1	Counseling of enrolled students for summer and fall sessions
29	Holiday, Memorial Day
June 1-7	Final Examinations
9	End of Semester and end of counseling of enrolled students for summer and fall sessions
9	Commencement Exercises
12	INSTRUCTION BEGINS, SUMMER SESSION

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, about 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, 1971. An additional 2600 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, counselors, 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 junior 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 Community College District (Cerritos College)
Coachella Valley Community College District (College of the Desert)
Compton Community College District (Compton College)
Foothill Community College District (Foothill College, DeAnza College)
Fremont-Newark Community College District (Ohlone College)
Los Angeles City 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 Community College District (College of Marin)
Merced Community College District (Merced College)
Monterey Peninsula Community College District (Monterey Peninsula College)
Mt. San Jacinto Community College District (Mt. San Jacinto College)

Redwoods Community College District (College of the Redwoods)
Riverside Community College District (Riverside City College)
Saddleback Community College District (Saddleback College)
San Francisco Community College 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 Community College District (Canada College, College of San Mateo,
Skyline College)
Santa Barbara Community College District (Santa Barbara City College)
Santa Clarita Valley Community College District (College of the Canyons)
Shasta-Tehama-Trinity Joint Community College District (Shasta College)
Siskiyou Joint Community College District (College of the Siskiyous)
Victor Valley Joint Community College District (Victor Valley College)
West Hills Community College District (West Hills College)
West Kern Community College District (Taft College)
Yuba Community College District (Yuba College)

Students desiring to attend a junior 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 550. 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 1-20A 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 TESTS**--To assist students in selecting programs and courses that are appropriate, Moorpark College administers two placement tests. One is a general college aptitude test measuring verbal and mathematical skills, the other is an English classification test. Test scores do not determine whether a student may enroll in Moorpark College. However, test scores will, in some instances, determine whether a student may enroll in specific courses or programs.

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.

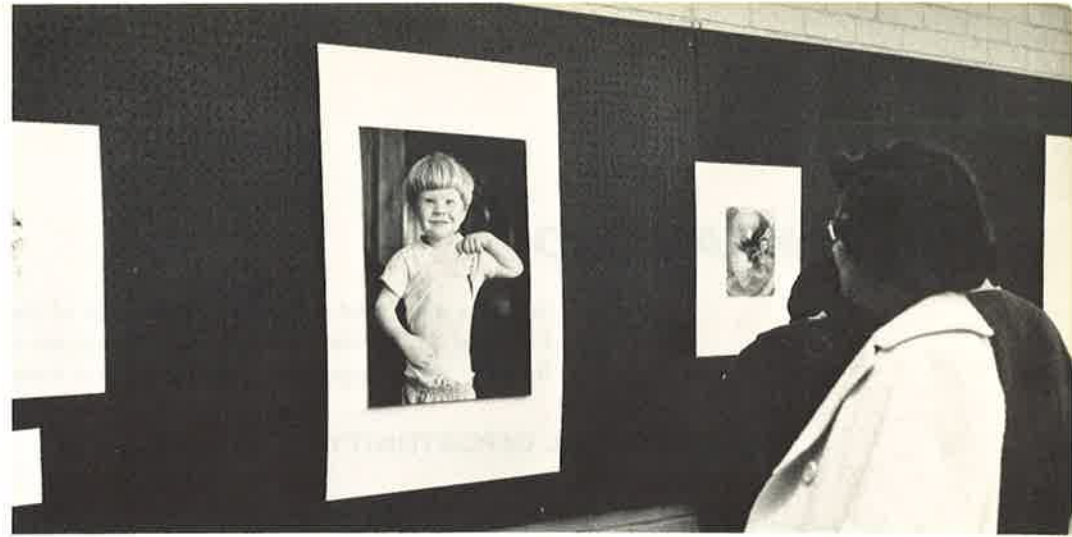
The normal program of study is $15\frac{1}{2}$ to $17\frac{1}{2}$ units. Thus, the average student will complete the requirements for the Associate in Arts degree within four semesters. First-semester freshmen are encouraged to limit themselves to a normal program. Students whose previous semester grade-point 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 $19\frac{1}{2}$ units. Those students who wish to enroll in more than $19\frac{1}{2}$ 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. ORIENTATION--First-time freshmen should attend an Orientation program in the Campus Center. Dates for this activity will be announced at the time of registration.
9. 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 Students.

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 1971-72 academic year is \$900.00 or \$450.00 per semester. Students taking 7 to 15 units will pay \$30.00 per unit. Those who carry 6 units or less are required to pay a tuition fee. Tuition fees must be paid prior to admission to classes.

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.

EDUCATIONAL OPPORTUNITY GRANT(EOG)

The Educational Opportunity Grant is a federal program. Students with exceptional financial need who attend Moorpark College 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. Students applying for this loan must intend to pursue or resume full-time employment in the criminal justice field upon completing their studies.

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 school newspaper and by college divisions.

EMPLOYMENT SERVICES

Students seeking part-time or permanent employment should apply at the Placement Office located in the Counseling Center, A-176. 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

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 decisions by helping him examine his abilities, recognize his attitudes and values, evaluate his goals, and make his own choices concerning educational and occupational directions.

Specific counseling services include personal counseling, group counseling, semester programming, personality testing, achievement and aptitude testing, occupational interest testing, and information regarding graduation requirements, four-year colleges and universities, occupational programs, vocational opportunities, and financial aid.

HEALTH SERVICES

The Health Center is located in the Administration Building, A-115. The college nurse is on duty daily to confer with students regarding health and illness problems; to administer first aid as required; to give allergy medications if ordered by the student's physician; to give immunizations against tetanus with parental permission; to do urinalysis, blood tests, for anemia and mono; to do visual screening and hearing evaluation. Office hours are posted at Health Center.

The college physician is available for consultation for all students at specified times. His appointment time schedule will be posted at the Health Center. Students are free to come to the Health Center to make an appointment to confer with him.

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 Counseling Center.

HOUSING

As a service to students seeking off-campus housing accommodations, the Housing Office, located in the Counseling 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.

OCCUPATIONAL INFORMATION CENTER

Occupational Information is found in the Counseling Center, and provides specific information concerning wage rates, working conditions, and job qualifications for a wide variety of occupations and professions. Sound vocational planning is in large measure based on a knowledge of job requirements as well as other general employment trends. Many publications on vocations, employment opportunity announcements, and audio visual media are available in the Center.

VETERANS

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

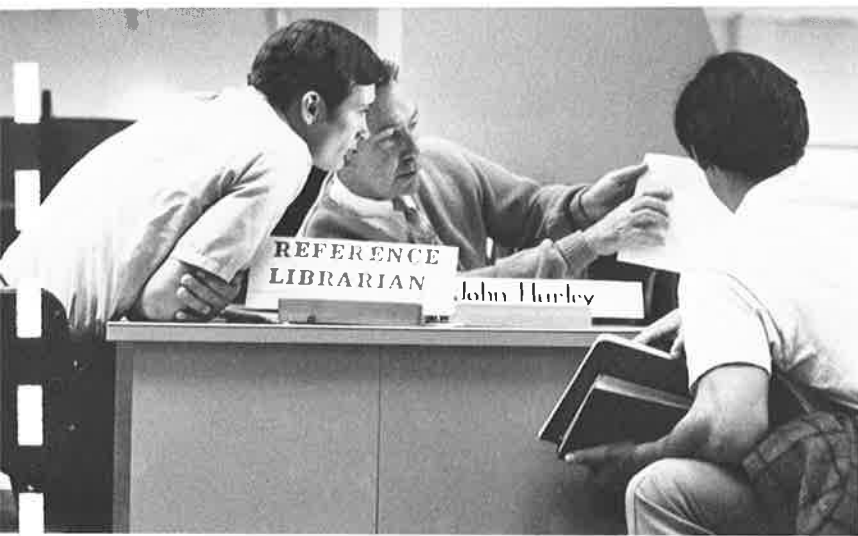
Students planning to enroll and obtain benefits under Public Law 89-358 should contact the Veterans Clerk prior to registration.

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 credit 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.

CREDIT BY EXAMINATION(CONT.)

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.

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 (Including at least three (3) semester units in American History and Institutions.)	6-9
2. English/Speech 3 to 6 units as required in transfer major. Must include at least three (3) semester units in English Composition.	6
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 junior college grade-point average is 2.00 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 junior college work and a 2.00 grade-point average. Students may transfer a maximum of 70 junior 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 junior 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 junior 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.

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.	ELECTIVES	6 Units
VI.	PHYSICAL EDUCATION & HEALTH	4 Units
	TOTAL:	40½ Units



1. 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
Phys 1	Introduction to Human Physiology
Zoo 3	Biology of the Vertebrates

GROUP B

Chem 1A	General Chemistry	Geol 41	Geology of National Parks and Monuments
Chem 1B	General Chemistry	Ph 2A	General Physics
Chem 5	Quantitative Analysis	Ph 2B	General Physics
Chem 7A	Organic Chemistry	Ph 3	The Arts of Experimental Investigation
Chem 7B	Organic Chemistry	Ph 4A	Mechanics of Solids
Chem 12	Elementary Chemistry I	Ph 4B	Mechanics of Fluids, Heat and Sound
Chem 13	Elementary Chemistry II	Ph 4C	Electricity and Magnetism
Env. Sci. 1	Environmental Science	Ph 4D	Optics and Modern Physics
Geog 1	Physical Geography	Ph 10	Descriptive Physics
Geol 2	Physical Geology	Ph 11A	Technical Physics
Geol 2L	Physical Geology Lab	Ph 11B	Technical Physics
Geol 3	Historical Geology	Phys Sci 1	Introduction to Physical Science
Geol 15	Mineralogy & Crystallography	Phys Sci 5/ Geog 5	Introduction to Meteorology
Geol 16	Petrology	Phys Sci 10	Sky and Telescope
Geol 21	Geology of California		
Geol 31	Rocks and Minerals		
Geol 33	Introduction to Geologic Mapping		

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 or Humanities 8.

GROUP B

Any two 1½ unit courses from English 1 series (In addition to course from Section IV, Group A)

GROUP C

Engl 10	Creative Writing	Hist 1B	Western Civilization
Engl 13	Major American Writers	Hist 4	History of the Mexican People in the Southwest
Engl 15A	Survey of Engl Lit.	Hum 6	Art and the Written Word
Engl 15B	Survey of Engl Lit.	Hum 9	Art and Techniques of Film
Engl 17	Shakespeare	Hum 10	Language of Film
Engl 18	Modern American Novel	Journ 1	News Reporting and Writing
Engl 19	Intro to Short Story	MAS 2	Mexican-American Culture
Engl 25/ ThA 25	Playwriting	Phil 1A	Intro to Philosophy
Engl 30	Masterpieces/World Lit.	Phil 3	Comparative Religions
Engl 31	Masterpieces/World Lit.	Speech 1	Intro to Speech
Engl 35A	Survey of American Lit.	Speech 2	Elements of Public Speaking
Engl 35B	Survey of American Lit.	Speech 5	Elementary Oral Interpretation
Engl 45	Mexican-American Lit. in English	ThA 2A	Fundamentals of Acting
Engl 46	Afro-American Lit. in English	ThA 24	Intro to the Theatre
Hist 1A	Western Civilization	ThA 11A	Contemporary Mexican-American 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	Social/Pol History of US
Hist 7B	Social/Pol History of US

GROUP B

Pol Sci 1	Intro to Government
Pol Sci 2	Comparative Governments
Pol Sci 3	American Government
Pol Sci 10	Intro to Public Administration

GROUP C

Anthro 2	Cultural Anthropology
Econ 1A	Principles of Econ.
Econ 1B	Principles of Econ.
Geog 2	Elements of Cultural Geography
Geog 3	Geography of World Affairs
Geog 9	Environmental Design: Urban Geog.
Hist 3	Afro-American History
Hist 8	History of California
Psych 1A	Intro to Psychology
Psych 2	General Psychology
Soc 1	Intro to Sociology
Soc 2	Social Problems
Soc 6	Mexican-American in Contemporary Society

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 for Section II, Group B)

GROUP B

Read 4A	Techniques of Reading	Speech 1	Intro to Speech
Math 3	Intermediate Algebra	Speech 2	Elements of Public Speaking
Math 5	Plan Trigonometry	Speech 5	Elementary Oral Interp.
Math 7	Integrated College Algebra and Trigonometry	ThA 2	Fundamentals of Acting
		ThA 10	Rehearsal and Performance
Math 10	Principles of Math	ThA 11B	Contemporary Mexican-American Theatre
Math 12	College Algebra w/Bus. Applications		
Math 14	Finite Mathematics		
Math 15	Introduction to Statistics		
Math 16A	Applied Calculus		
Math 16B	Applied Calculus		
Math 18	Computer Programming - FORTRAN		
Math 20	Intro to Numerical Methods		
Math 25A	Calculus w/Analytic Geometry I		
Math 25B	Calculus with Analytic Geometry II		
Math 25C	Calculus with Analytic Geometry III		
Math 30	Intro to Modern Algebra		
Math 31	Intro to Linear Algebra		
Math 33	Intro to Analysis		
Math 35	Applied Differential Equations		
Math 45	Slide Rule		
Phil 2	Intro to Logic		

5. ELECTIVE COURSES

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:

All performing Art, Music and Theatre Arts Courses.

Art 4A	Color and Design
Art 12A	Drawing and Composition
Engl 1	Composition and Literature
For Lan	Foreign Language course
Hist 9A	History of the Americas
Hist 9B	History of the Americas
Hist 10A	African History
Hist 10B	African History
Hist 15A	Intro to History of Asia
Hist 15B	Intro to History of Asia
MAS 3AB	Spanish for the Spanish Speaking
MAS 7	Field Work in Barrio Studies
Pol Sci 4	International Relations
Pol Sci 7	Minority Group Relations
Pol Sci 8	Political Patterns in the U.S.
Psych 1B	Personal & Social Adjustment
Soc 4	Marriage & the Family

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.

PROGRAMS



COURSES

AGRICULTURE

Faculty: Donald Anderson, R. Bruce Spiller

Counselor: Ron Zaboski



ANDERSON



SPILLER

GENERAL AGRICULTURE

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			California Polytechnic College		
AH 1	Intro Animal Husbandry	3	AH 1	Intro Animal Husbandry	3
AH 2	Feeds & Feeding	3	AH 2	Feeds & Feeding	3
Agron 1	Intro to Agronomy	3	Agron 1	Intro to Agronomy	3
Ag 21	Soils	3	Ag 21	Soils	3
Ent 1	Economic Entomology	3	Ent 1	Economic Entomology	3
AB 1	Intro to Agri. Business	3	AB 1	Intro to Agri. Business	3

REQUIRED GENERAL EDUCATION COURSES

Chem 12	Elementary Chem I	4	Chem 12	Elementary Chem I	4
Chem 13	Elementary Chem II	4	Biol 2A-B	General Biology	4,4
Biol 2A-B	General Biology	4,4	Math 16A-B	Calculus	3,3
Econ 1A	Principles of Economics	3	Math 15	Statistics	4
Math 3	Intermediate Algebra	4	Ph 2A-B	General Physics	4,4

ANIMAL HUSBANDRY/AGRI-BUSINESS

Counselor: Ron Zaboski

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	Introductory Animal Husbandry	3
AH 2	Feeds & Feeding	3
AB 1	Introduction to Agriculture Business	3
Agron 1	Introduction to Agronomy	3
Hort 2	Plant Structures	3

RECOMMENDED COURSES IN THE MAJOR

Ag 21	Soils	3
Ag 49	Directed Work Experience in Agriculture	1-3
AB 9	Agricultural Mathematics	1
Chem 21	Elementary Chemistry	4
Speech 15	Practical Speech	3
Ag 22	Directed Studies in Ag.	1-3

FORESTRY TECHNICIAN

Counselor: Ron Zaboski

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	Intro 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	Col. Alg & Trig.	5
Math 25A	Cal/Analytic Geom.	5
Engr 8	Plane Surveying	3
DP 1	Intro 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 Econ.	3,3
Geol 2	Physical Geology	3
Geol 2L	Physical Geology Lab	1
Math 15	Intro Statistics	4
Math 16A-B	Applied Calculus	3,3
Engr 8	Plane Surveying	3

RECOMMENDED COURSES IN THE MAJOR

Chem 12	Elementary Chem I	4
Chem 13	Elementary Chem II	4

LANDSCAPE HORTICULTURE

Counselor: Ron Zaboski

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
Ag 49A	Directed Work Experience in Agriculture	1-3
Chem 12	Elementary Chemistry 1	4
Speech 15	Practical Speech	3
Biol 2A-B	General Biology	4,4
Ent 1	Economic Entomology	3
Bot 3	Plant Identification	4

NATURAL RESOURCES TECHNICIAN

Counselor: Ron Zaboski

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
Hort 2	Plant Structures	3
Bot 3	Plant Identification	4
Bus 11A	Beginning Typewriting	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

COURSES IN 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.

AB 9 - AGRICULTURAL MATH 1 UNIT

Prerequisites: None
3 hours laboratory weekly

Calculation problems in agriculture projects involving soils, feeds and feeding, fertilizing, spraying, landscape horticulture, forestry, and fish and game.
Accepted for credit, Cal Poly SLO

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

Prerequisites: Consent of instructor and Division Chairman.

6-18 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, 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 7 - LECTURES IN HORSE HUSBANDRY**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

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 job, 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.
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

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 333, Cal Poly SLO



ANTHROPOLOGY

Faculty: Norman Alger, Robert Lopez

Counselor: Alan Lowe



ALGER



LOPEZ

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

University of California, Santa Barbara

CULTURAL EMPHASIS

Anth 1	Physical Anthropology	3
Anth 2	Cultural Anthropology	3

PHYSICAL EMPHASIS

Anth 1	Physical Anthropology	3
Anth 2	Cultural Anthropology	3
An 1	General Human Anatomy	4
Phys 1	Introduction to Human Physiology	4

San Fernando Valley State College

Anth 1	Physical Anthropology	3
Anth 2	Cultural Anthropology	3
Math 15	Introductory Statistics	4

Choose TWO courses from the following:

Afro-American Studies	History
Biology	Mexican-American Studies
Economics	Political Science
Geography	Psychology
Geology	Sociology

COURSES IN 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: Anth 2 or consent of instructor
2 hours lecture, 3 hours laboratory 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)

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)



Anth 5 - FIELD ARCHEOLOGY

3 UNITS

Prerequisites: Anth 3 and consent of instructor
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.

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.

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 6 units. Maximum 3 units credit, SFVSC

ART

Faculty: Kirk Aiken, Jack Noyes, Frank Sardisco, Delmore Scott, James Sturgeon

Counselor: Carole Ginet



AIKEN

NOYES

SARDISCO



SCOTT



STURGEON

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-4B-4C	Color and Design	2,2,2
Art 12A-B	Drawing & Comp.	2,2
Art 19A	Sculpture	2
	(Fine Arts or Crafts option)	
Art 16A-16B	Painting	2,2
	(Fine Arts Option)	
Art 8A	Ceramics	2
	(Ceramics Option)	
Photo 1	Photography	2
	(Design Option)	

University of California, Santa Barbara

Art 1A-1B	Art History	3,3
Art 4A-4B-4C	Color and Design	2,2,2
Art 12A-B	Drawing & Comp.	2,2
Art 19A	Sculpture	2
Art 16A-16B	Painting	2,2

REQUIRED GENERAL EDUCATION COURSES

For Lan Foreign Language
(3 semesters or 5 quarters)

RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-1B	Intro to West Civ	3,3	Hist 1A-1B	Intro to West Civ	3,3
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COURSES IN 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)

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)

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 12A-B - DRAWING AND COMPOSITION

2-2 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

Prerequisites: 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 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 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

Max credit one course, UC (all branches)

BIOLOGICAL SCIENCES

Faculty: Clinton Schonberger, chairman; David Bishop;
William Brisby; Richard Gilman; Jack Reynolds



SCHONBERGER



BISHOP



BRISBY



GILMAN



REYNOLDS

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

University of California, Santa Barbara

Biol 2A-B	General Biology	4,4	Biol 2A-B	General Biology	4,4
Math 15	Intro Statistics	4	Chem 1A-B	General Chemistry	5,5
Chem 1A-B	General Chemistry	5,5	Chem 7A-B	Organic Chemistry	5,5
Chem 7A-B	Organic Chemistry	5,5	Math 16A-B	Applied Calculus	3,3
Ph 2A-B	General Physics	3,4	Ph 2A-B	General Physics	3,4

REQUIRED COURSES IN THE MAJOR

For Lan Foreign Language 4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

Bot 1	General Botany	5	Bot 1	General Botany	5
Bot 3	Plant Identification	4	Bot 3	Plant Identification	4

PHYSICAL THERAPY

Counselor: Phyllis Cool

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	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 specialities.

REQUIRED COURSES IN THE MAJOR

University of California, Los Angeles University of Southern California

Chem 1A-B	General Chemistry	5,5	Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4	Chem 5	Quantitative Analysis	4
Chem 7A-B	Organic Chemistry	5,5	Chem 7A-B	Organic Chemistry	5,5
Biol 2A-B	General Biology	4,4	Biol 2A-B	General Biology	4,4
Math 16A	Applied Calculus	3	Math 16A	Applied Calculus	3

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4,4
Psych 3	Personal/Social Adjust	3
Engl 1	Composition & Lit	3,3

RECOMMENDED GENERAL EDUCATION COURSES

Hist 7A-B	Social/Political History	3,3
Pol Sci 3	American Government	3
Phil 1A	Intro to Philosophy	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 Lit.	3,3
Psych 3	Personal and Social Adjust.	3
For Lan	Foreign Language	4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

Hist 7A-B	Social/Political History	3,3
Pol Sci 3	American Government	3
Phil 1A	Intro to Philosophy	3

MEDICINE

Counselor: Phyllis Cool

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 University of Southern California

Chem 1A-B	General Chemistry	5,5	Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4	Chem 5	Quantitative Analysis	4
Chem 7A-B	Organic Chemistry	5,5	Chem 7A-B	Organic Chemistry	5,5
Biol 2A-B	General Biology	4,4	Biol 2A-B	General Biology	4,4
Math 16A	Applied Calculus	3	Math 16A	Applied Calculus	3

REQUIRED GENERAL EDUCATION COURSES

Hist 7A	Social/Political History	3
Pol Sci 3	American Government	3
Engl 1	Composition & Lit	3
For Lan	Foreign Language	4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

Psych 3	Personal & Social Adjust	3
Phil 1A	Intro to Philosophy	3

VETERINARY MEDICINE

Counselor: Ron Zaboski

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
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COURSES IN 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)

Bac 1 - PRINCIPLES OF MICROBIOLOGY

5 Units

Prerequisite: Chem 12 or equivalent
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; microbiology of soil, food, milk and water; and the principles of disease transmission, prevention and immunity; independent laboratory experiments.

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)

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Biol 2A-B - GENERAL BIOLOGY

4-4 Units

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

Maximum 3 units credit, SFVSC

Maximum credit one course, UC (all branches)

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 3 - PLANT IDENTIFICATION

4 Units

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

Native and cultivated plants are studied in the laboratory and the field and identified by taxonomic keys. Lectures develop the principles of systematic botany, plant distribution, and the biotic communities in the area. 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.



BROADCASTING

Faculty: C. Tod Fortner, Robert Reynolds, Richard Studebaker

Counselor: Carole Ginet



STUDEBAKER

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

San Fernando Valley State College			University of California, Los Angeles		
Broad 1	Intro to Broad.	3	ThA 2A	Fundamentals of Acting	3
Broad 2	Broadcast Studio		ThA 20A-B	Theatre Production	3,3
	Operations	3	Engl 15A-B	English Literature	3,3
Journ 1	News Reporting	3			
Broad 7	Radio Production				
	Workshop	3			

RECOMMENDED COURSES FOR THE MAJOR

Broad 3	Television Workshop	2	For Lan	Foreign Language	4,4,4
Broad 4	Television Directing	2	Broad 3	Television Workshop	2
Broad 5	Radio-TV Writing	2	Broad 4	Television Directing	2
Broad 6A-B	FCC License Review	3,3	Broad 5	Radio-TV Writing	2
			Broad 6A-B	FCC License Review	3,3



RECOMMENDED GENERAL EDUCATION COURSES

Speech 1	Intro to Speech	3	Speech 1	Intro to Speech	3
Speech 5	Oral Interpretation	3			
Engl 10	Creative Writing	3			

REQUIRED COURSES IN THE MAJOR (Non-transfer program)

Broad 1	Intro to Radio-Television Broadcasting	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 21	Fundamentals of Electronics	4
ET 48	Intro to Television Systems	3
Speech 15	Practical Speech	3
ThA 2A	Fundamentals of Acting	3
ThA 20A-B	Theatre Production	3,3
ThA 3	Voice and Diction	3
Hum 9	Art and Techniques of Film	3

COURSES IN BROADCASTING

Broad 1 - INTRODUCTION TO RADIO-TELEVISION BROADCASTING

3 Units

Prerequisites: None
3 hours lecture weekly

This course acquaints the student with the foundations of radio and television broadcasting. It is a survey of the history of broadcasting, as well as programming, networks, advertising, legal aspects, and scripts. The course involves some practical experience in the college studio, with introduction to concepts of production and directing. (F)
Equivalent to Radio-Television 280, SFVSC
Accepted for credit, UC (all branches)

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)
Accepted for credit, 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.

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 operation.

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

Faculty: William Rodgers, Department Head; Kenneth Ainge; Donald Bowen; Tanya Burke; Marjorie Corbell; William Dickneider; Dick Lietzau, Richard Perry



RODGERS

AINGE

BOWEN

BURKE



CORBELL

LIETZAU

PERRY

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

San Jose State College

Econ 1A-B	Principles of Economics	3,3	Econ 1A-B	Principles of Economics	3,3
Bus 1A-B	Accounting Principles	3,3	Bus 1A-B	Accounting Principles	3,3
Bus 33A	Business Law I	3	Bus 33A	Business Law I	3
Math 7	College Alg/Trig	5	Math 15	Introductory Statistics	4
or			Bus 9A-B	Business Lectures	1
Math 16	Calculus w/Analytic Geom	3			
Bus 9A-B	Business Lectues	1			

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 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 9A	Psychology of Personal Assessment	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 10+	Survey of Data Processing	2
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
Psych 9	Psychology of Social Relations	3

RECOMMENDED COURSES FOR THE MAJOR

Econ 10	American Economy	3
Bus 37	Marketing	3
Bus 39+	Business Communications	3
DP 10	Data Processing Methods for Business	2
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 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 10	Data Processing Methods for Business	2

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
HE 30	Apparel Selection and Grooming	2
HE	Electives	7
Bus 9A-B	Business Lectures	1
Psych 9	Psychology of Personal Assessment	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 10	Data Processing Methods for Business	2
Bus 20B	Intermediate Shorthand	3



SECRETARY-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 21A	Advanced Shorthand	3
Bus 21B	Transcription	3
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 30	Intro to Business Principles	3
Bus 40	Personal Finance	3
HE 30	Apparel Selection and Grooming	2
Read 4A	Techniques of Reading	2

SECRETARY-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 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.

COURSES IN 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 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 only)

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)

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)

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
1 Year Certificate Program

Units upon completion

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 for 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, folding machine and thermofax. (F)

Bus 19 - RECORDS MANAGEMENT

2 Units

Prerequisites: None
1 hour lecture, 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)

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 21A - ADVANCED SHORTHAND**4 Units**

Prerequisites: Grade of C or better in Bus 20B, or two years of high school shorthand, and typing speed of 60 wpm.

4 hours lecture, 1 hour laboratory weekly.

Increased speed in sustained dictation and the transcription of mailable transcripts. Advanced development of speed drills and an emphasis on production rate. Work of special vocabularies. Students should attain a minimum speed of 100 wpm. (F,S)

Equivalent to Bus 202, SFVSC

Bus 21B - TRANSCRIPTION**4 Units**

Prerequisites: Grade of C or better in Bus 21A, and typing speed of 60 wpm.

4 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.

Students should attain a minimum speed of 120 wpm. (S)

Bus 22A-B - DIRECTED STUDIES IN BUSINESS**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 business on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

Bus 23 - REFRESHER SHORTHAND**2 Units**

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. (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

Prerequisites: Bus 30 or consent of Instructor
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 3 Units

Prerequisites: None.
3 hours lecture weekly.

The role of the small businessman in the American economy, training in performing the various functions of business including setting up, staffing and organization, 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

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)

Bus 35 - SALESMANSHIP 3 Units

Prerequisites: Bus 30 or consent of Instructor
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.

Bus 36 - RETAIL MERCHANDISING**3 Units**

Prerequisites: Bus 30
3 hours lecture weekly

Merchandise control and budgeting; location, leading, equipment; advertising; discount stores; shifts in consumption patterns; credits and collections; and store services.

Bus 37 - MARKETING**3 Units**

Prerequisite: Bus 30
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: Bus 30
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.

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.

Bus 40 - PERSONAL FINANCE**3 Units**

Prerequisite: Bus 44 or consent of instructor.
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 individual's budgets, investments, insurance, loans, taxes, social security, etc.

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)

Bus 49A-B - DIRECTED WORK EXPERIENCE IN BUSINESS 1-3/1-3 Units

Prerequisite: Consent of instructor and Division Chairman.
6-18 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.

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 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.

Bus 80 - PRINCIPLES OF INSURANCE

2 Units

Prerequisites: None

3 hours lecture weekly, 12 weeks

Survey of general principles which underline the entire field of insurance - Fire, Liability, Casualty, Life & Health. The nature, analysis, classification, and management of risk; legal principle; organization; marketing; and regulation of insurance companies; underwriting and rate-making functions. (F)

Bus 81 - FIRE, MARINE, AND ALLIED LINES INSURANCE

2 Units

Prerequisites: Bus 80

3 hours lecture weekly

Detailed analysis of coverages, policy provisions, and concepts common to property insurance. Included are contracts and forms of the Standard Fire Policy. Extended Coverage Endorsement, Dwelling and Contents Form, General Property Form, Business Interruption Forms, Personal Articles Floater, and Bailees' Customers Policy. Emphasis also is placed on special aspects including mortgagee interest and loss adjustment provisions. (S)



CHEMISTRY

Faculty: Robert Miller, Department Head; Eugene Berg; David Murphy;
David Wagner

Counselor: William Jay



MILLER



BERG



MURPHY



WAGNER

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			University of California, Santa Barbara		
Chem 1A-B	General Chemistry	5,5	Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4	Chem 5	Quantitative Analysis	4
Chem 7A	Organic Chemistry	4	Chem 7A-B	Organic Chemistry	5,5
Math 25ABC	Calculus with Analytic Geometry	5,5,5	Math 25ABC	Calculus with Analytic Geometry	5,5,5
Math 35	Applied Differential Equations	3	Ph 4A	Mechanics of Solids	3
Ph 4A	Mechanics of Solids	3	Ph 4B	Mechanics of Fluids, Heat & Sound	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3	Biol 2A	General Biology	4
Ph 4C	Electricity & Magnetism	3	Ger 1A-1B	German or	4,4
Ph 4D	Optics & Modern Physics	3	Fr 1A-1B	French	4,4
Ger 1A-B	German	4,4			

COURSES IN 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, Kinetics, electro-chemical determinations, calorimetry, equilibrium, acid-base reactions.

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, electrochemistry. 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 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

1-3/1-3 Units

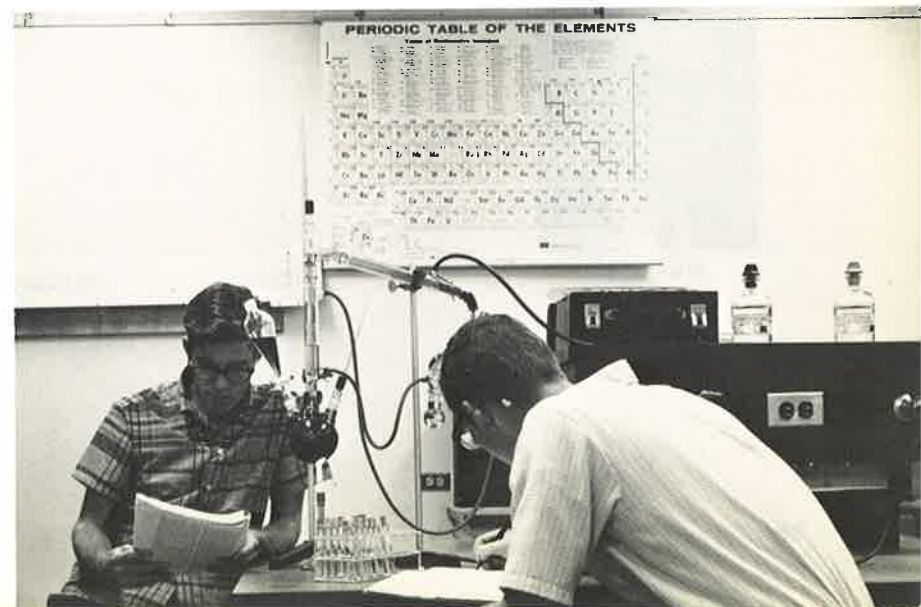
Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman

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 units maximum credit, SFVSC

1 course accepted, UC (all branches)



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.



MEDLEY

REQUIRED COURSES IN THE MAJOR

DP 1*	Intro to Data Processing	3	Bus 31*	Bus Org. & Manage.	3
DP 4A*	Computer Program. I	3	Bus 1A+	Accounting Principles	3
DP 4B*	Computer Program. II	3	Bus 1B+	Accounting Principles	3
DP 6*	Data Process. Systems	3	Bus 8	Business Lectures	3
DP 5	Computer Program. BAL	3			

RECOMMENDED COURSES IN THE MAJOR

Bus 30	Intro to Bus Principles	3	Bus 39	Business Commun.	3
Bus 11A	Begin. Typewriting	3	Bus 45	Financial Institutions	3
Econ 10	The American Economy	3	Math 18	Computer Program.	
Bus 37	Marketing	3		FORTTRAN	2
DP 11	Keypunch Operation	1			

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.

DATA PROCESSING 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	Intro to Data Processing	3	Bus 37	Marketing	3
DP 4A	Computer Program. I	3	Bus 1A	Accounting Principles	3
DP 4B	Computer Program. II	3	Bus 1B	Accounting Principles	3
DP 6	Data Process. Systems	3	Econ 1A	Principles of Econ.	3
Bus 31	Bus. Org. & Management	3	Econ 1B	Principles of Econ.	3
Bus 33A	Business Law I	3			

RECOMMENDED COURSES

Math 7	College Algebra & Trig	5
DP 5	Computer Programming BAL	3
DP 18	Computer Programming FORTRAN	2

REQUIRED GENERAL EDUCATION COURSES

Science	9
Engl I	6
Hist 5	3
PSc 3	3
Art/Music	3
HS I	2
Hum Elec.	3



COURSES IN 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)

* 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

* 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)

* 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

*** 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

*** 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.

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

2 Units

Prerequisite: Math 3 or one and one-half years of high school algebra
2 hours lecture 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 Math 281, SFVSC
Accepted for credit, UC (all branches)

DP 20 - INTRODUCTION TO NUMERICAL METHODS

2 Units

Prerequisites: Math 18 and Math 16 OR Math 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)

*A total of 12 units from courses so designated will be accepted for elective credit at SFVSC.



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 business 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 6 units)

ECONOMICS

Faculty: William Dickneider, William Lawson, Richard Moore.

Counselor: Gary Brinkman



DICKNEIDER

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

University of California, Santa Barbara

Econ 1A-B	Principles of Economics	3,3	Econ 1A-B	Principles of Economics	3,3
Bus 1A-B	Accounting Principles	3,3	Math 15	Introductory Statistics	4
Math 12	Coll Algebra/w Bus. Appl.	3	Math 25A	Calculus with	
Math 14	Finite Math	3		Analytical Geom 1	5

REQUIRED GENERAL EDUCATION COURSES

Phil 1A	Introduction to Philosophy	3			
or			For Lan	Foreign Language	
Math 14	Finite Math	3		(3 semesters or 5 quarters)	

COURSES IN ECONOMICS

Econ 1A-B - PRINCIPLES OF ECONOMICS

3-3 Units

Prerequisite: Satisfactory score on placement test; Econ 1A or 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.

Equivalent to Econ 150, SFVSC

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

Equivalent to Econ 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.

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.

EDUCATION

Ed 1 A-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 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 INSTRUCTING AND TUTORING

1-3/1-3 Units

Prerequisites: Consent of instructor and/or appropriate coordinator
6-18 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

Faculty: Byron Edde, Coordinator; Tom Harris; Ray Hobson; John Tomsen



EDDE

HARRIS

THOMSEN

ARCHITECTURE

Counselor: William Jay

Architects plan buildings and other structures and supervise their construction. Their goal is to design structures which are safe, useful, and pleasing in appearance. The study of architecture involves a mixture of applied arts and esthetics. Approximately half of our architects are self-employed, practicing either individually or as partners.

REQUIRED COURSES IN THE MAJOR

California State Polytechnic College

Math 25A	Calculus with Analytic Geometry I	5
Math 25B	Calculus with Analytic Geometry II	5
Math 25C	Calculus with Analytic Geometry III	5
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
Chem 1A	General Chemistry	5
Engr 8	Plane Surveying	3
ET 16	Residential Construction Drafting	3
ET 17	Commercial Construction Drafting	3

RECOMMENDED COURSES FOR THE MAJOR

Art 4A	Color and Design	2
Biol 2A	General Biology	4

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 manufacture and sale of the products.

REQUIRED COURSES IN THE MAJOR

Core			Mechanical Option		
ET 1	Engineering Technology	½	ET 31+	Mechanics	3
ET 2*	Mechanical Drafting	3	ET 32+	Strength of Materials	3
ET 3*	Graphics and Engineering Sketching	3	ET 34	Hydraulics	3
ET 10A*	Electronics Drafting	3		Industrial Option	
ET 11*	Machine Design	2			
ET 14*	Technical Illustration	2	Art 4A†	Color and Design	2
ET 30*	Technical Materials	3	Art 4B†	Color and Design	2
Math 3	Intermediate Algebra	4	Bus 37†	Marketing	3
Math 7	College Algebra w/Trig	5			
Ph 11A-B	Technical Physics	4,4			
Engr 45	Slide Rule	1			

RECOMMENDED COURSES FOR THE MAJOR

Math 16A Applied Calculus 3

*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.

APPLIED ELECTRONICS TECHNOLOGY

Counselor: William Jay

An ever-present need exists in industry for technicians possessing the technical knowledge and manipulative skills required to construct and test electronic assemblies. The Applied Electronics curriculum trains the student in the skills required for this rewarding career.

REQUIRED COURSES IN THE MAJOR

ET 1	Engineering Technology	½
ET 2	Mechanical Drafting	3
ET 10A-B	Electronics Drafting	3,3
ET 23A*	Applied Electronics I	5
ET 23B*	Applied Electronics II	5
ET 23C*	Applied Electronics III	5
ET 23D+	Applied Electronics IV	5
Math 45	Slide Rule	1
ET 28+	Electronic Measurements	3
ET 29	Electronic Projects	2
Math 1A-B	Elementary Algebra	2,2
Math 2	Fundamentals of Geom	2
Math 3	Intermediate Algebra	4

*A student currently employed in the field may receive an In-service Certificate in APPLIED ELECTRONICS TECHNOLOGY 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 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: William Jay

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 8	Plane Surveying	3
Ph 11A	Technical Physics	4
Math 1A-B	Elementary Algebra	2,2
Math 2	Fundamentals of Geometry	2
Math 3	Intermediate Algebra	4
Math 45	Slide Rule	1

RECOMMENDED COURSES FOR THE MAJOR

ET 18	Drafting Projects	2
LH 24	Landscape Design	3

ELECTRONICS ENGINEERING TECHNOLOGY

Counselor: William Jay

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.

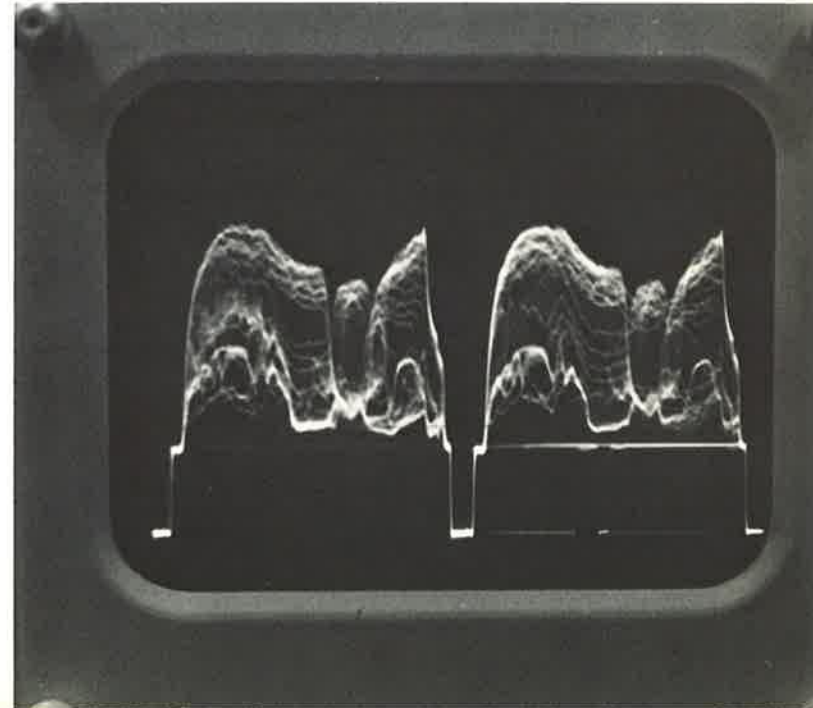
REQUIRED COURSES IN THE MAJOR

California State College, Long Beach

Et 1	Engineering Technology	½
ET 20A-B	Principles of Electronics	5,5
ET 20C-D	Principles of Electronics	5,5
ET 28	Electronic Measurement	3
ET 10A	Electronics Drafting	3
Math 7	College Algebra w/Trig	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	Principles of Electronics	5,5
ET 20C-D	Principles of Electronics	5,5
ET 28	Electronic Measurement	3
ET 10A	Electronics Drafting	3
Math 7	College Algebra w/Trig	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 FOR THE MAJOR

San Fernando Valley State College			University of California, Los Angeles		
Engr 1	The Engineering Profession	½	Engr 1	The Engineering Profession	½
Engr 4	Engineering Graphics w/Descriptive Geom.	3	Engr 4	Engineering Graphics w/Descriptive Geom.	3
Engr 6	Computer Solutions to Engineering prob.	3	Engr 6	Computer Solutions to Engineering prob.	3
Engr 12	Engineering Statics	3	Engr 12	Engineering Statics	3
Engr 18	Engineering Materials	3	Engr 18	Engineering Materials	3
Math 25A-B C	Calculus w/Analytic Geometry I, II, III	5,5,5	Math 25A-B C	Calculus w/Analytic Geometry I, II, III	5,5,5
Math 35	Applied Differential Equations	3	Math 35	Applied Differential Equations	3
Ph 4A	Mechanics of Solids	3	Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat & Sound	3	Ph 4B	Mechanics of Fluids, Heat & Sound	3
Ph 4C	Electricity and Magnetism	3	Ph 4C	Electricity and Magnetism	3
Chem 1Ae- 1Be	General Chemistry	4,4	Chem 1Ae- 1Be	General Chemistry	4,4

Civil Engineering students must have Engr 8, 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.

COURSES IN 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 3 Units

Prerequisite: Major in Engineering or consent of instructor.

1 hour lecture, 6 hours laboratory weekly.

Introduction to elementary design, including experimental design of a structure, machine, circuit, or process. Graphic computations and analysis, and preparation of working drawings. Introduction to 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)

Engr 8 - PLANE SURVEYING

3 Units

Prerequisite: Math 2 or consent of instructor.

2 hours lecture, 3 hours laboratory weekly.

Affords the student the opportunity to make engineering measurements. The students 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.

Equivalent to AE 237 and AE 238 combined, Cal Poly SLO

Accepted for credit, UC (all branches)

Engr 12 - ENGINEERING STATICS**3 Units**

Prerequisite: Engr 4, Math 25A-B
3 hours lecture weekly.

Force systems and equilibrium conditions with emphasis on engineering problems covering structures, machines, distributed forces and friction, including graphical and algebraic solutions and introduction to the method of virtual work.

Equivalent to either ME 205 or ME 211, Cal Poly SLO

Will be equivalent to Engr 227, SFVSC

If Engr 227L is taken after transfer.

Accepted for credit, UC (all branches)

Engr 15 - INTRODUCTION TO CIRCUIT ANALYSIS**3 Units**

Prerequisite: Math 25C, Ph4C (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)

Engr 18 - ENGINEERING MATERIALS**3 Units**

Prerequisite: Chem 1Be, Ph 4B
3 hours lecture.

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)

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 - FCC LICENSE REVIEW**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 to examination 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 11 - MACHINE DESIGN**2 Units**

Prerequisites: ET 2 or consent of instructor.

6 hours laboratory weekly.

Drafting and design to meet current industrial drafting practice and military specifications, technical analysis, definition of a design, true position tolerancing, fundamentals of graphic mathematics, functional scales, and elementary nomography.

Accepted for Credit, Cal Poly SLO

ET 14 - TECHNICAL ILLUSTRATION**2 Units**

Prerequisites: ET 2 or consent of instructor,
6 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 18 - DRAFTING PROJECTS**2 Units**

Prerequisite: ET 2 or equivalent and consent of instructor
6 hours laboratory weekly.

Integration of previously acquired knowledge through assignment of projects to design simple machines or sub-assemblies of machines; philosophy and techniques of successful design.

Equivalent to ET 143, Cal Poly SLO

* 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 20D - 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 23A - APPLIED ELECTRONICS I 5 Units

Prerequisites: Math 1A-B (concurrent)
4 hours lecture, 3 hours laboratory weekly.

Applied DC and AC circuit theory; circuit laws, equivalent circuits, circuit analysis methods, circuit applications. Lab emphasizes practical aspects of electronics.
Equivalent to either EL 101 or EL 141 combined, or ET 133 or ET 124, Cal Poly SLO

ET 23B - APPLIED ELECTRONICS II 5 Units

Prerequisites: ET 23A or equivalent
4 hours lecture, 3 hours laboratory weekly.

Applied theory of active electronic circuits; semiconductors, amplifiers, oscillators, feedback, vacuum tubes; introduction to switches. Lab emphasizes applications of active circuits.
Equivalent to ET 125, Cal Poly SLO

ET 23C - APPLIED ELECTRONICS III 5 Units

Prerequisites: ET 23B
3 hours lecture, 6 hours laboratory weekly.

Applied pulse and digital circuits; switching circuits; multivibrators; logic circuits; memory circuits. Lab emphasizes connectors and testing of pulse circuits.
Accepted for Credit, Cal Poly SLO

ET 23D - APPLIED ELECTRONICS IV 5 Units

Prerequisites: ET 23C
4 hours lecture, 3 hours laboratory weekly.

Applied electronic systems; communication systems; radio, telephone, television controls; digital systems. Lab emphasizes application of systems.
Accepted for credit, Cal Poly SLO

ET 28 - ELECTRONIC MEASUREMENTS 3 Units

Prerequisites: ET 20B or ET 23B (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 29 - ELECTRONIC PROJECTS**2 Units**

Prerequisites: ET 20B or ET 23B
6 hour laboratory weekly.

Designed to give the student experience in the techniques of lab work, through the construction, testing and reporting of individual electronic projects.

Accepted for Credit, 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 48 - INTRODUCTION TO TELEVISION SYSTEMS**3 Units**

Prerequisite: ET 20A or ET 23A or consent of instructor.
2 hours lecture, 3 hours laboratory weekly.

Fundamentals of television; theory of operation, installation and maintenance; production aspects. Lab emphasis on technical or production aspects, at the option of the student. Experience with actual TV systems.

ET 49A-B - DIRECTED WORK EXPERIENCE IN ELECTRONICS1-2/1-2 Units

Prerequisite: Consent of instructor and division chairman.
6-12 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.

*** ET 63A - PLASTICS TECHNOLOGY 3 Units**

Prerequisite: Consent of instructor,
3 hours lecture weekly.

Thermoplastics processing: Injection, extrusion, coating, calendaring, casting, thermoforming, and blow molding. Quality control: Testing thermoplastics materials; decomposition identification techniques. Safety and personal hygiene.

ET 63B - PLASTICS TECHNOLOGY II 3 Units

Prerequisites: ET 63A
3 hours lecture weekly.

Thermosetting plastics processing: Reinforced-plastic molding, casting, compression and transfer molding, decorating and finishing. Quality control: Testing thermosetting plastic materials; laminate/molding quality requirements, porosity, fractures, resin content. Safety and personal hygiene.

* ET 63A and ET 63B, combined, are equivalent to IT 327, Cal Poly SLO

ET 68 - QUALITY CONTROL I

3 Units

Prerequisite: ET 28
3 hours lecture, 3 hours laboratory

Presents a general understanding of the quality control function within industry. Functional responsibilities, techniques, and tools of effective control. Quality control steps taken from the determination of specifications to the maintenance of quality after delivery. Introduces the modern concepts and techniques for quality control in relation to manufacturing requirements in current technological developments. Government specifications affecting Quality Control will be discussed.

ET 69 - QUALITY CONTROL II

3 Units

Prerequisites: None
3 hours lecture weekly.

Fundamentals of engineering as applied to quality control of problems and procedures as well as a study of related basic quality control manuals and government publications.

ENGLISH

Faculty: Sidney Adler; Judith Allen; Richard Black; Richard Edwards;
John Hanft; Diana Ho; Julie Landstad; Earl Owen;
Jon Popiel; Michael Seely; Pamela Sheridan; Howard Siegel;
Michael Strumpf; Sinclair Wall.

Counselor: Carole Ginet



ADLER



ALLEN



BLACK



EDWARDS



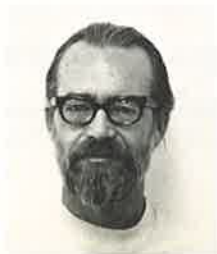
HANFT



HO



LANDSTAD



OWEN



POPIEL



SEELY



SHERIDAN



SIEGEL



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

University of California, Los Angeles

Engl 1	Composition & Lit	3,3
Engl 15A-B	English Literature	3,3

Engl 1	Composition & Lit	3,3
Engl 15A-B	English Literature	3,3

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4
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For Lan	Foreign Language	4,4
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RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-B	Intro to Western Civ	3,3
Phil 1A	Intro to Philosophy	3

Hist 1 A-B	Intro to Western Civ	3,3
Phil 1A	Intro to Philosophy	3

COURSES IN 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.

Two English 1 courses are equivalent to Engl 155, SFVSC

Four English 1 courses are equivalent to Engl 155 and Engl 255, SFVSC

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 topics and themes:

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.

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.

NOTE: Humanities 6 and Humanities 5A and 5B and Humanities 8 also offer English 1 credit (See page 154)

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 10 - CREATIVE WRITING**3 Units**

Prerequisite: Engl 1 and consent of instructor
3 hours lecture weekly.

A study of the literary forms—the essay, short story, poetry, and drama—presented from the standpoint of critical background and theory for each form; practice in writing original works; discussion and analysis of student's writings.

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

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 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 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, Tolstoj, 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.

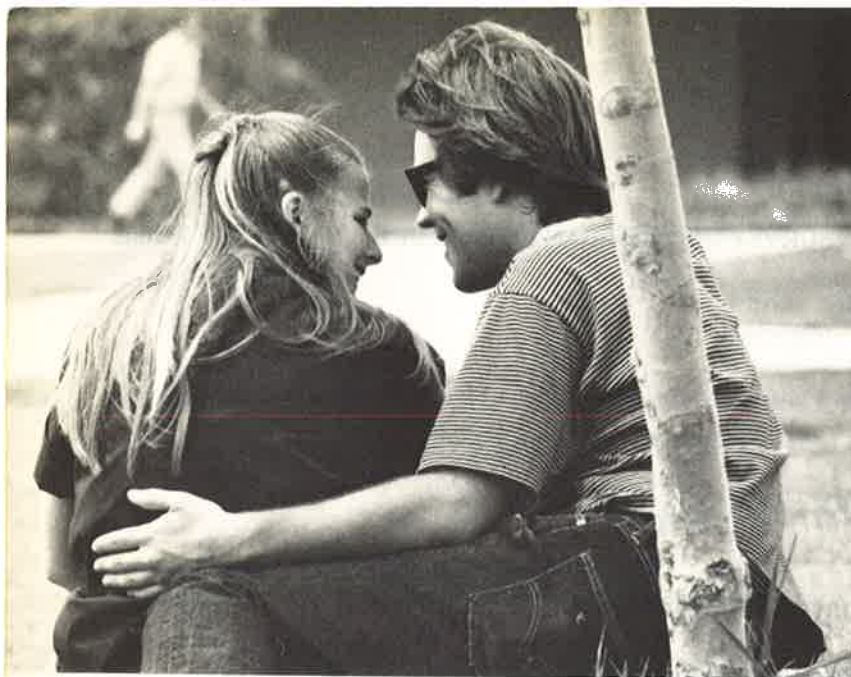
Significant American writers from 1800 to the present, with emphasis on the intrinsic political, social, and intellectual trends of the periods they represent.
Accepted for credit, UC (all branches)
Accepted for credit, SFVSC

Engl 39A-B - DRAMATIC THEATRE WORKSHOP

1-1 Units

Prerequisites: Eligibility for English 1
3 hours lecture weekly for 6 weeks

Though open to all students, this course is specifically designed for the non-drama major. It will take an acting approach to dramatic literature. Students will have the opportunity to participate in the preparation of informal play productions, and through these experiences to reach a fuller understanding of the subtleties of the literature, as well as the magic and power of performances.



Engl 40 - WRITING RESEARCH PAPERS

1 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)

ENVIRONMENTAL SCIENCE COURSES

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, UC (all branches)

Env Sci 2 - ENVIRONMENTAL SCIENCE II

4 Units

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

Relationships between man and his environment in an industrialized culture. Emphasis on energy use, man's effect on the land, housing and the urban environment; noise, planning, conservation and recreation. Politics and economics of environmental problems. Environmental outlook for the future. (Biological Science credit)

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

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.

FIRE SCIENCE

Faculty: Jack Fleming, Coordinator

Counselor: Jess Castro

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 to 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 9A	Psychology of Personal Assessment	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.

COURSES IN 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 problem; 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

1-3/1-3 Units

Prerequisite: Consent of Coordinator
6-18 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

Faculty: Philip Houser

Counselor: Phyllis Cool



HOUSER

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			University of Calif., Santa Barbara		
Fr 1A-1B	Elementary French	4-4	Fr 1A-1B	Elementary French	4-4
Fr 2A-2B	Intermediate French	4-4	Fr 2A-2B	Intermediate French	4-4

RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-1B	Intro to Western Civilization	3-3	Hist 1A-1B	Intro to Western Civilization	3-3
			Phil 1A	Intro to Philosophy	3

COURSES IN 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 per week of study in the language laboratory. (Fr 2A-F, Fr 2B-S)

Equivalent to French 201 and 202, SFVSC

Accepted for credit, UC (all branches)

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)

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

GENERAL STUDIES COURSES

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.



GEOGRAPHY

Faculty: Roger Boedecker

Counselor: Knox Long



BOEDECKER

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			University of California, Los Angeles		
Geog 1	Physical Geography	3	Geog 1	Physical Geography	3
Geog 2	Cultural Geography	3	Geog 2	Cultural Geography	3
Geog 5	Intro to Meteorology	3			

RECOMMENDED COURSES FOR THE MAJOR

Math 16A-B Applied Calculus 3,3

COURSES IN 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.
Accepted for credit, 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 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 interrelationships 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.

Geog 10 - GEOGRAPHY OF CALIFORNIA 3 Units

Prerequisites: None
3 hours lecture weekly.

An examination of the interrelationships 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. Not designed for transfer. (S)

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 22A-B - DIRECTED STUDIES IN GEOGRAPHY 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 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

Faculty: Dorothy Sarnecky

Counselor: William Jay



SARNECKY

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 41	Geology of National Parks	3
*Geol 33	Intro to Mapping	2

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	5-5
Ph 2A-B	General Physics	4-4



COURSES IN 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. (F,S)

Equivalent to Geology 101, SFVSC
Accepted for credit, UC (all branches)

Geol 2L - PHYSICAL GEOLOGY LABORATORY

1 Unit

Prerequisites: None
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. (S)

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)

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. (S)
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. (S)
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. majors. 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. (Not open to students who have taken Geol 2L) (F)
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.

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

GERMAN

Faculty: Jane Chapman

Counselor: Phyllis Cool



CHAPMAN

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

University of Calif., Santa Barbara

Ger 1A-1B	Elementary German	4-4	Ger 1A-1B	Elementary German	4-4
Ger 2A-2B	Intermediate German	4-4	Ger 2A-2B	Intermediate German	4-4

RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-1B	Intro to Western Civilization	3-3	Hist 1A-1B	Intro to Western Civilization	3-3
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COURSES IN 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
Acceptable 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 COURSES

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

Faculty: Tanya Burke, Dale Dobson, Ray Hobson

Counselor: William Jay



HOBSON

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

GC 1	Introduction to Graphic Communications	3
GC 2	Duplicating Processes	2
	or	
GC 5	Copy Preparation and Composing Systems	3
GC 4	Layout and Design Techniques	3
GC 6A	Process Camera	3
GC 6B	Advanced Process Camera	3
GC 7	Stripping and Platemaking	3
GC 8A	Lithography	3
GC 8B	Advanced Lithography	3
GC 9	Graphic Communications Laboratory	1-2
GC 11	Screen Processes	2

RECOMMENDED COURSES FOR THE MAJOR

Art 4A	Color and Design	2
Photography 1	Beginning Photography	2
Journalism 1	Newswriting and Reporting	3
Bus 38	Advertising	3
Bus 39	Business Communications	3

COURSES IN 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.

GC 2 - DUPLICATING PROCESSES 2 Units

Prerequisites: Satisfactory score on placement test.
6 hours laboratory 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.

GC 5A-B - COPY PREPARATION AND COMPOSING SYSTEMS 3,3 Units

Prerequisites: GC 1, Bus 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 Varityper, 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.

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.

GC 7 - STRIPPING AND PLATEMAKING**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.

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 sheeted off-set presses. Sheet feeders, printing units, inking units, dampening units and deliveries, Characteristics of paper and inks for offset photograph.

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

Prerequisites: GC 8A, Lithography, 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.

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.

GC 11 - SCREEN PROCESSES**2 Units**

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

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 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.



GC 21 - LETTERING AND TYPOGRAPHY

3 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.

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.

HISTORY

Faculty: Arthur Bettini, Jess Castro, Gerald Fecht,
Randolph Griffith, Ray Hearon, Knox Long,
Cecile Label

Counselor: Knox Long



BETTINI



FECHT



GRIFFITH



LABEL

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 College

Hist 1A-1B Intro to West. Civ. 3,3
Hist 7A-7B Soc/Pol Hist. of US 3,3

and one of the following:

Hist 9B
Hist 10B
Hist 15B

University of California, Los Angeles

Hist 1A-1B Intro to West. Civ. 3,3

Plus any three of the following:

Hist 9A-9B
Hist 7A-7B
Hist 15A-15B

REQUIRED GENERAL EDUCATION COURSES

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.

For Lan

Foreign Language
(3 semesters or 5 quarters)
Engl 1
Phil 1A-1B Intro to Philosophy
or
Engl 2 courses in literature

COURSES IN 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 Mejicano from the pre-Columbian period to the present. Emphasis will be on the Mexican settlement of the region and the contributions of the Mejicano to the development of the five Southwestern states (Arizona, California, Colorado, New Mexico and Texas). (F,S,) (Co-numbered MAS 4)

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)

Acceptable 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)

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)
Equivalent to History 191 and 192, SFVSC

Hist 22A-B - DIRECTED STUDIES IN HISTORY

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 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

Faculty: Judy Crowe, Dolores Deutsch, Polly Stringer

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.



CROWE



DEUTSCH



STRINGER

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of Calif., Santa Barbara		
HE 31	Textiles	2	He 31	Textiles	2
HE 30	Apparel Selection and Grooming	2½	HE 10	Nutrition	2
HE 10	Nutrition	2	HE 55	Child Growth and Development	2

REQUIRED GENERAL EDUCATION COURSES

Chem 12	Elementry Chemistry II	4	Chem 1A	General Chemistry	5
Chem 13	Elementry Chemistry II	4	Chem 1B	General Chemistry (Foods and Nutrition Option)	5
Biol 2A	General Biology	4	Chem 7	Organic Chem	5
Art 4A	Color and Design	2	Chem 9	Organic Chemistry Lab	3
Journ 1	News Reporting and Writing (Industrial Option)	3	Biol 2A	General Biology	4
Bus 1A	Accounting Principles	3	Psych 2	General Psychology	3
Econ 1A	Principles of Economics	3	Econ 1A	Principles of Economics	3
Econ 1B	Principles of Economics	3	Soc 1	Intro to Sociology	3
Soc 1	Intro to Sociology (Dietetics Option)	3	Speech 1	Intro 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 qualifications:

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	2
HE 30	Apparel Selection and Grooming	2
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	Office Practice	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

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	2
HE 36	Advanced Pattern Design	3
HE 37	Tailoring	3
HE 6	Home Furnishings Lab	1-2
Art 12A-B	Drawing & Composition	2,2
Art 4A	Color and Design	2

RECOMMENDED COURSES FOR THE MAJOR

Bus 35	Salesmanship	3
Journ 1	News Reporting & Writing	3
Bus 36	Retail Merchandising	3
Bus 30	Intro to Business Principles	3
Bus 11A	Beginning Typewriting	3

HOME ECONOMICS--NURSERY SCHOOL 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, particularly for women. It provides an opportunity to be of service in an area of great need.

MAJOR REQUIREMENTS

HE 10	Nutrition	2
HE 11	Food Preparation	3
HE 55*	Child Growth and Development	3
HE 58*	Observation in the Nursery School	3
HE 59A*-B+	Supervised Participation in the Nursery School	3-3
HE 60*	Child, Family and Community	3
HE 61A-B*	Nursery School Programs	3-3
HE 62+	Nursery School Administration and Supervision	3
Speech 15	Practical Speech	3
HS 5	First Aid and Safety	2
HE 63	Music in the Nursery School	2
HE 64	Art in the Nursery School	2
HE 65	Science in the Nursery School	2
HE 66	Literature in the Nursery School	2
HE 97	Creative Movement Activities for Children	3

RECOMMENDED COURSES

HE 15	Cooking Creatively	3
HE 30	Apparel Selection & Grooming	2
HE 26	Family Health and Home Nursing	3
Soc 4	Marriage and the Family	3
Psych 9	Personal Assessment	3
Psych 3	Personal & Social Adjustment	3

*Successful completion of these courses plus 6 units General Education will enable students to receive an In-Service Certificate in NURSERY SCHOOL EDUCATION if currently employed in this field.

+Students not employed in this field may complete these courses in addition to those marked * plus 3 more units of General Education to receive a Pre-Service Certificate in NURSERY SCHOOL EDUCATION.

+Required for approval and licensing by the Department of Social Welfare as Director and/or Administrator of Nursery School facility.

COURSES IN 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.
2 hours lecture, 3 hours laboratory 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 6A-B - HOME FURNISHINGS LABORATORY

1-2/1-2 Units

Prerequisites: HE 16 and HE 5 or consent of instructor.
3-6 hours laboratory weekly.

Construction of slip covers, draperies, bedspreads, lamp shades, and other home furnishing items. Information on selection and care of necessary materials and equipment.

HE 10 - NUTRITION**2 Units**

Prerequisites: None
2 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 concurrently)
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.

Mainly 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**2½ Units**

Prerequisites: None
1 hour lecture, 5 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

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

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 49A-B - DIRECTED WORK EXPERIENCE IN HOME ECONOMICS

1-3/1-3 Units

Prerequisites: Consent of instructor and Division Chairman
5-10 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 55 - CHILD GROWTH AND DEVELOPMENT

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; class discussion and observation in the campus nursery school and a day nursery. Accepted for credit, SFVSC



HE 58 - 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.

HE 59A - SUPERVISED PARTICIPATION IN THE NURSERY SCHOOL 3 Units

Prerequisites: HE 55 and HE 58, or HE 61A 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. (F)

HE 59B - SUPERVISED PARTICIPATION IN THE NURSERY SCHOOL 3 Units

Prerequisites: HE 59A 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. (S)

HE 60 - 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

HE 61A-B - NURSERY SCHOOL PROGRAMS 3-3 Units

Prerequisite: HE 60
3 hours lecture weekly.

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.

HE 62 - NURSERY SCHOOL ADMINISTRATION**3 Units**

Prerequisite: HE 60
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.

HE 63 - MUSIC IN THE NURSERY SCHOOL**2 Units**

Prerequisites: None
2 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 music. In particular, emphasis will be placed on skill, construction and playing of simple musical instruments, creative rhythm, and composing songs.

HE 64 - ART IN THE NURSERY SCHOOL**2 Units**

Prerequisites: None
2 hour 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.

HE 65 - SCIENCE IN THE NURSERY SCHOOL**2 Units**

Prerequisites: None
2 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.

HE 66 - LITERATURE IN THE NURSERY SCHOOL**2 Units**

Prerequisites: None
2 hours lecture weekly.

Exploration of various experiences in literature appropriate to the development of young children, including story telling, poetry and puppetry.

HE 97 - CREATIVE MOVEMENT ACTIVITIES FOR CHILDREN**3 Units**

Prerequisites: None
2 hours lecture, 3 hours laboratory 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 organization (YMCA, church). (Co-numbered PE 97)

HOTEL AND RESTAURANT MANAGEMENT

Faculty: Richard Devlin

Counselor: Jess Castro

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. Moorpark College is expected to have a sustained and dynamic growth in the food service area.



DEVLIN

REQUIRED COURSES IN THE MAJOR

H&R 1*	Hotel and 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.

COURSES IN HOTEL AND RESTAURANT MANAGEMENT

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
1 hour 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**1-3/1-3 Units**

Prerequisite: Consent of instructor and Division Chairman.
6-18 hour 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 COURSES

Hum 1A-B - MAN IN SOCIETY

6-6 Units

Staff: Howard Siegel, team leader; Roger Boedecker, John Hanft,
Robert Herman and Earl Owen

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.

This course is not designed to transfer to the state college or state university. Students completing Humanities 1A-B are eligible for placement in transfer courses.

Hum 2 - MAN AND THE ARTS

4½ Units

Staff: Gerry Fecht, team leader; Linda Moore

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

A general education course designed to provide the student with an opportunity to expand his understanding and increase his appreciation of a variety of creative experiences. Content will relate to a variety of themes including perception, innovation, spontaneity and experimentation. Consideration will be given to dance, music, art and theatrical perceptions. The student will examine these activities from the perspective of both a participant and observer. The two-hour lab will emphasize human movement and counts toward the physical education requirement. The course is not intended to transfer, but does meet the Fine Arts requirement for the AA degree.

Hum 3 - ART OF THE CINEMA

1 Unit

Staff: Richard Black, John Hanft, Earl Owen

Prerequisites: None
2 hours discussion weekly.

Viewing and analysis of significant films. Emphasis in discussion will be given to cinematic technique and the value of the film as personal, social and artist expression. While enrollment in the course is limited, the general public is invited to any or all of the evenings.

Hum 5A-B - U.S. CULTURE & SOCIETY

9-9 Units

Staff: Stephen Herzog, team leader; Ken Buckner, Jon Popiel,
Darlene Pacheco.

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

A survey of the roots, development, and forms of U.S. civilization. Immersion in an intense program of reading, discussion, analysis, viewing, listening and expression. The series of contexts, enriched by the concurrent presentation of various disciplines, especially history, political science, and literature is organized around characteristic American themes and problems. The course unites past and present for brief periods in which the student recreates important social and artistic developments, and in this personal recreation acquires an understanding of them.

An exploration of the American consciousness in letters; aspirations, ideals, agonies, and conquests voiced from the black and white shores of New England to the sudden gold and oil of the West and again on the bordering areas. A probing of the American consciousness manifested in values, institutions and conflicts. Emphasis will be on subjects such as the role of religion, the role of the military, the role of industry, the American dream, minority-majority relations, war and diplomacy, city vs. country, machine vs. nature, individual vs. authority, politics and participation.

This course, in its first semester, meets three units of Political Science 3, English 1 and Psychology 2 credit; in the second semester, it will meet three units of credit for Sociology 2, English 1 and Psychology 3.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Hum 6 - ART AND THE WRITTEN WORD

6 Units

Staff: Pam Sheridan

Prerequisites: Satisfactory score on placement test
6 hours lecture weekly

The course will focus upon the relationship between language and the audio-visual arts. Students will examine selected works in various media, such as language, graphics, film, with a view toward exploring the nature of art. A primary goal of the course will be to introduce students to the basic vocabulary and tools of the fine arts including language and to encourage him to use these tools for interpretation and expression. Not suggested for Art majors. This course parallels Engl 155 and Art 205 at San Fernando Valley State College.

Hum 8 - LITERATURE AND MUSIC

6 Units

Prerequisites: Eligibility for English 1
6 hours lecture weekly.

Exploration of relationships between literature and music. This course will emphasize in particular the uses which writers have made of music, and the uses which composers have made of literature. The works of such men as Shakespeare, Beethoven, Dylan, Wordsworth, Mozart, Purcell, Handel and the writers of the Holy Bible, will be studied, as well as important aesthetic movements such as classicism and romanticism. Students will be expected to write regularly; extensive use of recorded musical performance will be made. (Students will receive 3 units of credit in English 1 and 3 units of credit in Fine Arts.)

Hum 9 - ART AND TECHNIQUES OF FILM

3 Units

Staff: John Hanft and Earl Owen

Prerequisites: None

1 hour lecture, 6 hours laboratory weekly

Introduction to cinematic elements, production techniques and equipment. Use of motion picture camera equipment, principles of black and white and color cinematography. Basic techniques of cinematography including composition, scenario writing, use of cameras and light meters, building of sets, and the use of symbolism in photographing objects.

Hum 10 - LANGUAGE OF FILM

3 Units

Staff: Jim Sturgeon

Prerequisites: None

1 hour lecture, 6 hours laboratory weekly

Introduction to cinema including theme, characterization and symbolism, with emphasis on idea development using image, movement, pace, sound and language. Student projects and productions are important. Designed for cinema majors.



Hum 15 - COMMUNICATIONS

6 Units

Prerequisites: None

6 hours lecture weekly.

Exploration of various modes and styles of communication. The primary focus will be on literature and oral communication, but self-expression through film, music, dance, and theatre will be explored as well. Student receives 3 units of speech credit and 3 units of English credit.

JOURNALISM

Faculty: 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 1	News Reporting	3	Journ 1	News Reporting	3
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Minor in a related field such as
English, History, Political
Science, or Sociology.

RECOMMENDED GENERAL EDUCATION COURSES*

For Lan	Foreign Language	4,4	For Lan	Foreign Language	4,4,4
GC I	Intro to Graphic Communications	3	Engl 15B	Survey of English Lit	3
			Engl 35B	Survey of American Lit	3
			Hist 1B	Intro to Western Civ	3
			Econ 1A	Principles of Econ.	3

COURSES IN JOURNALISM

Journ 1 - NEWS REPORTING AND WRITING

3 Units

Prerequisite: None.

2 hours lecture, 3 hours laboratory weekly.

An introduction to journalism with an emphasis on developing news writing skills through interviewing, reporting, evaluation of news significance, collection of accurate facts, and writing of news copy. Practical experience is gained through writing for the school newspaper. (F,S)

Equivalent to Journ 110, SFVSC

***Journ 2 - WRITING FOR MAGAZINES**

3 Units

Prerequisite: None

2 hours lecture, 3 hours laboratory weekly.

The writing of feature articles as used in magazines and newspapers, including the techniques used in gathering material. Practical experience given through writing for the school newspaper and magazine. (F,S)

***Journ 3A-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.

Journ 4A-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.

***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

LAW ENFORCEMENT

LAW ENFORCEMENT - POLICE SCIENCE

Faculty: Jack Fleming, Coordinator; James Lane

Counselor: William 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.



FLEMING



LANE

REQUIRED COURSES IN THE MAJOR

Fresno State College

LE 1	Intro to Law Enforcement	3
LE 9	Firearms	1
LE 10A	Patrol Procedures	3
LE 13	Traffic Control	3
Photo 1	Beginning Photography	2
LE 25	Rescue First Aid	2

California State College, Los Angeles

LE 1	Intro to Law Enforcement	3
LE 4	Criminal Law	3
LE 8	Criminal Evidence	3
LE 15	Administration of Justice	3
LE 10B	Criminal Investigation	3
LE 13	Traffic Control	3
LE 10A	Patrol Procedures	3
LE 25	Rescue First Aid	2

REQUIRED GENERAL EDUCATION COURSES

Soc 1	Intro to Sociology	3	Speech 1	Intro to Speech	3
Soc 2	Social Problems	3	Soc 1	Intro to Sociology	3
Psych 2	General Psychology	3	Psych 3	Personal and Social Adjust	3
Psych 3	Personal & Social Adjust	3	Psych 2	General Psychology	3
Speech 1	Intro to Speech	3			

RECOMMENDED GENERAL EDUCATION COURSES

LE 12	Defense Tactics	½	LE 12	Defense Tactics	½
Speech 2	Elements of Public Speak.	3	Photo 1	Beginning Photography	2
			LE 9	Firearms	1
			Soc 2	Social Problems	3
			Speech 2	Elements of Public Speak.	3

LAW ENFORCEMENT - CORRECTIONAL ADMINISTRATION

Counselor: William 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	+CA 1	Introduction to Probation	3
+LE 7	Minority Group Relations	3		Parole and Corrections	3
*LE 14	Juvenile Procedures	3	*CA 6	Interpersonal Relations	3
*LE 15	Administration of Justice	3	*CA 7	Interviewing, Counseling & Tutoring	3
			*CA 8	Techniques of Group Counseling	3

REQUIRED GENERAL EDUCATION COURSES

Science		9	Art/Mus		3
Engl		6	HS 1	Health and Society	2
Hist	United States History	3	Hum Elec.		3
PSC 3		3	Basic skills elec.		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 Assessment	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

CORRECTIONAL ADMINISTRATION

Two Year Program

REQUIRED COURSES IN THE MAJOR

LE 4	Criminal Law	3	CA 1	Intro to Probation, Parole and Corrections	3
LE 7	Minority Group Relations	3	CA 6	Interpersonal Relations	3
LE 14	Juvenile Procedures	3			
LE 15	Administration of Justice	3	*CA 7	Interviewing, Counseling & Tutoring	3
			CA 8	Techniques of Group Counseling	3

RECOMMENDED COURSES FOR THE MAJOR

Psych 9	Psychology of Personal Assessment	3
Soc 4	Marriage and the Family	3
MAS 2	Mexican-American Culture	3
Speech 1	Introduction to Speech	3

*Optional

LAW ENFORCEMENT - PEACE OFFICER

Counselor: William 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	Intro to Law Enf.	3	*LE 10A	Patr. Proced.	3
*LE 4	Criminal Law	3	*LE 10B	Criminal Invest.	3
*LE 8	Criminal Evid.	3	LE 13	Trf. Cont. & Invest.	3
*LE 15	Adm. of Justice	3	LE 14	Juv. Proced.	3
LE 9	Firearms	1	LE 12	Defense Tactics	½
+LE 7	Min. Grp Rel	3	LE 25	Resc. First Aid	2

RECOMMENDED COURSES FOR THE MAJOR

LE 5	Invest Rpt. Writ	1	LE 27	Civ. Duties & Proc.	3
LE 16	Arr., Srch, Seiz	3	Phot 1	Beg. Photo	2
LE 18	Narc. Invest.	3	Bus 11A	Beg. Typ.	3
LE 19	Vice Control	3	Pol Sci 10	Intro to Pub Adm.	3
LE 20	Police Adm.	3	LE 50	Law Enf. Inst	1
LE 21	Criminalistics	3			

A student currently employed in the field may receive an In-service Certificate in LAW ENFORCEMENT 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 LAW ENFORCEMENT upon successful completion of the courses marked * plus the courses marked + and 9 additional units in General Education.

LAW ENFORCEMENT - PROBATION AND PAROLE ASSISTANT

Counselor: William 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 7	Minority Group Relations	3
*LE 14	Juvenile Procedures	3

RECOMMENDED COURSES FOR THE MAJOR

Soc 4	Marriage and the Family	3
Speech 15	Practical Speech	3
Bus 51	Personnel Management	3
Psych 9A	Psychology of Personal Assessment	3
Psych 9B	Psychology of Social Relations	3
Soc 22	Directed Studies in Sociology	3
Bus 11A	Beginning Typewriting	3
LE 15	Administration of Justice	3

*Optional

COURSES IN LAW ENFORCEMENT

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 - total 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 RELATIONS

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 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 10A - PATROL PROCEDURES**3 Units**

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

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

LE 10B - CRIMINAL INVESTIGATION**3 Units**

Prerequisite: LE 8 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 8, LE 10A and LE 15 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 1 requirement of Law Enforcement majors.
Equivalent to PSA 282, CSCLA

LE 13 - TRAFFIC CONTROL AND INVESTIGATION**3 Units**

Prerequisites: LE 8, LE 10A 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 10A 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 - total 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 advance "American Red Cross First Aid to the Injured" Certificate.

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** 1-3/1-3 Units

Prerequisite: Consent of Coordinator
6-18 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 AND 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 1-3/1-3 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.



COURSES IN 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 hours 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

Faculty: Dale Dobson, John Hurley, Michael Slama

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.



HURLEY



SLAMA



DOBSON

REQUIRED COURSES IN THE MAJOR

LT 1	Introduction to Library Technology	3
LT 2	Library Circulation Procedures	3
LT 3	Advanced Library Clerical Techniques	3
LT 4	Audio-Visual Clerical Techniques	3
LT 48	Library Internship	

RECOMMENDED COURSES FOR THE MAJOR

Bus 11A	Beginning Typewriting	3
Bus 11B	Intermediate Typewriting	3
DP 1	Introduction to Data Processing	3

COURSES IN 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)

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.

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

Faculty: Floyd Martin, Department Head; Max Garbutt; James Gayle;
Masato Hayashi; William Jay; Charles Molnar; David Riley;
Kokki Shindo; Robert Stephens

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	Calculus/Analytic	
25B-C	Geometry	5,5,5
Math 31	Intro to Linear Alg	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	Calculus/Analytic	
25B-C	Geometry	5,5,5
Math 31	Intro to Linear Alg.	3
Math 30	Intro to Modern Alg	3
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat, Sound	3
For Lan	Foreign Language	4,4,4



GARBUTT



HAYASHI



MARTIN



MOLNAR



RILEY



SHINDO



STEPHENS



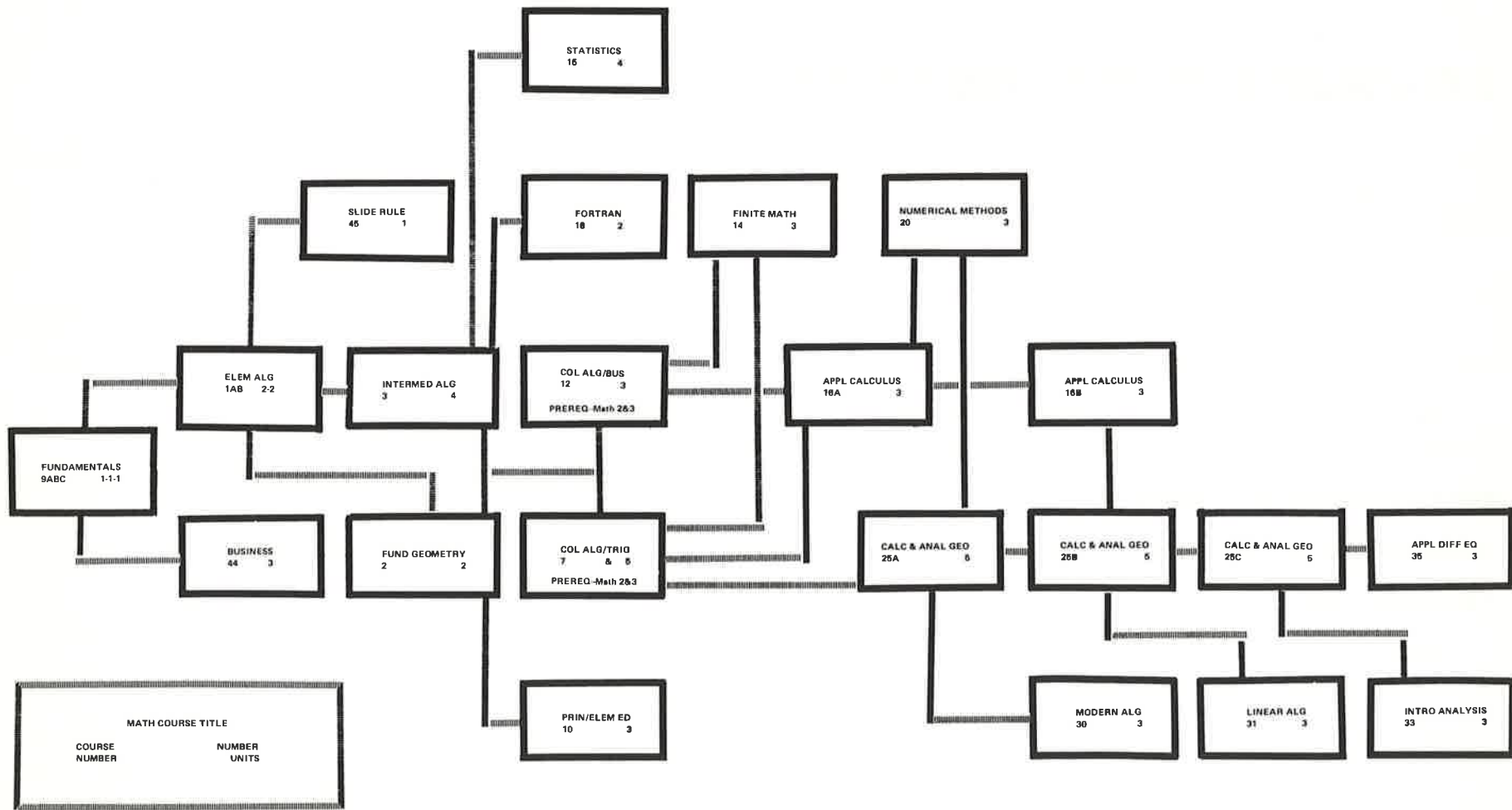
RECOMMENDED GENERAL EDUCATION COURSES

Math 35	Applied Differential Equations	3	Math 35	Applied Differential Equations	3
Math 15	Intro Statistics	4	Math 15	Intro Statistics	4
Math 18	Computer Program. FORTRAN	2	Math 18	Computer Program. FORTRAN	2
Math 33	Intro to Analysis	3	Math 20	Intro to Numerical Methods	3
Math 20	Intro to Numerical Methods	3	Math 33	Intro to Analysis	3
Ph 4D	Optics & Modern Physics	3	Ph 4C	Electricity and Magnetism	3
Math 30	Intro to Modern Alg	3	Ph 4D	Optics and Modern Phys	3

The following information offers guidelines for enrollment in mathematics courses.

The flow chart shown on page 171 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.



COURSES IN MATHEMATICS

Math 1A-B - ELEMENTARY ALGEBRA

2-2 Units

Prerequisites: Math 9C or high school general math
4 hours lecture weekly.

Student will initially register in both Math 1A and 1B.

1A - Operations with sets, counting numbers, integers, rational numbers, exponential notation.

1B - Linear equations, graphing, polynomials, factoring, rational expressions, fractional and quadratic equations, radicals, irrational solutions.

Math 2 - FUNDAMENTALS OF GEOMETRY

2 Units

Prerequisites: Math 1B or one year of high school algebra;
concurrent enrollment in Math 3 recommended.
2 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 years 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 system, 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 MATHEMATICS**1-1-1 Units**

Prerequisites: None
3 hours lecture weekly

The student will register in all three courses 9A-B-C.

9A - Review of addition, subtraction, multiplication, and division. Whole numbers and common fractions, estimating, factors, prime numbers, exponents, square roots, least common multiples and averaging.

9B - Decimal fractions, and percent, with special emphasis on practical business problems of commission, discount, profit and loss, and simple interest.

9C - Introduction to algebra, equations solving, and the use of formulas for perimeters, areas, volumes, and business applications.

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 102, SFVSC

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

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-B – APPLIED CALCULUS**3-3 Units**

Prerequisites: Math 7 or Math 12 or plane geometry, trigonometry and two years of high school algebra: 16A for 16B.
3 hours lecture weekly.

Elements of analytic geometry, differential and integral calculus. The exponential, logarithmic and trigonometric functions. The algebra of matrices, systems of linear equations and determinants. Linear inequalities. Emphasis on applications in social science, biological science, economics, business administration, architecture and technology. (16A-F, 16B-S)

Equivalent to Math 255A, and Math 225B, SFVSC

Accepted for credit, UC (all branches)

Math 18 - COMPUTER PROGRAMMING-FORTRAN**2 Units**

Prerequisite: Math 3 or one and one-half years of high school algebra
2 hours lecture 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 DP 18)

Equivalent to Math 281, SFVSC

Accepted for credit, UC (all branches)

Math 20 - INTRODUCTION TO NUMERICAL METHODS**3 Units**

Prerequisites: Math 18 and Math 16A or Math 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 DP 20)

Math 22A-B - DIRECTED STUDIES IN MATHEMATICS 1-3/1-3 Units

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

1-3 hours tutorial weekly.

For students who desire to do further work in the field of mathematics on an independent basis. Course will involve library work and study on selected problems pertinent to the student interest area.

Maximum of 3 units, SFVSC

Math 25A - CALCULUS WITH ANALYTIC GEOMETRY I 5 Units

Prerequisite: Math 7 or plane geometry, trigonometry, and two and one-half years of high school algebra.

5 hours lecture weekly.

The real number system; elements of analytic geometry; functions, limits and continuity; differentiation and integration of algebraic and elementary transcendental functions with applications. (F)

Equivalent to Math 150A, SFVSC

Accepted for credit, UC (all branches)

Math 25B - CALCULUS WITH ANALYTIC GEOMETRY II 5 Units

Prerequisites: Math 25A with a grade of C or better, or Math 16A-B with a grade of C or better

5 hours lecture weekly.

Analytic geometry and the conic sections; techniques of integration; infinite sequences and series, Taylor's Theorem; polar coordinates; vectors and vector spaces; calculus of vector valued functions. (S)

Equivalent to Math 150 B, SFVSC

Accepted for credit, UC (all branches)

Math 25C - CALCULUS WITH ANALYTIC GEOMETRY III 5 Units

Prerequisites: Math 25B with a grade of C or better

5 hours lecture weekly.

Functions of several variables; partial differentiation and multiple integration with applications; line integrals; gradient; divergence; curl; Green's Theorem, Stokes' Theorem; divergence theorem; differential equations.

Equivalent to Math 250, SFVSC

Accepted for credit, UC (all branches)

Math 30 - INTRODUCTION TO MODERN ALGEBRA 3 Units

Prerequisites: Math 25A and consent of instructor

3 hours lecture weekly

An introduction to set theory, mappings, the properties of the integers, finite groups and their structure.

Math 31 - INTRODUCTION TO LINEAR ALGEBRA**3 Units**

Prerequisites: Math 25B and permission of instructor
3 hours lecture weekly.

Systems of linear equations, matrices, determinants, real vector spaces, linear transformations, eigenvector theory, with emphasis on understanding mathematical theory. Designed to prepare student for additional mathematical studies in upper division university courses. (S)

Equivalent to Math 262, SFVSC

Accepted for credit, UC (all branches)

Math 33 - INTRODUCTION TO ANALYSIS**3 Units**

Prerequisites: Math 25C and permission of instructor
3 hours lecture weekly.

Elements of real analysis and set theory with emphasis on attaining a thorough understanding of the basic concepts of set theory, algebra and topology of the real numbers, limits, continuity. (S)

Accepted for credit UC (all branches)

Math 35 - APPLIED DIFFERENTIAL EQUATIONS**3 Units**

Prerequisite: Math 25C and permission of instructor
(Math 31 or Math 33 may be taken concurrently)
3 hours lecture weekly

Linear differential equations, equations with constant coefficients, variation of parameters, Green's functions, Laplace transform, systems of linear equations, series solutions, first order differential equations, existence and uniqueness of solutions with emphasis on applications to physics and engineering. (S)

Equivalent to Math 280, SFVSC

Accepted for credit, UC (all branches)

Math 44 - BUSINESS MATHEMATICS**3 Units**

Prerequisites: 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 course meets the mathematics general education requirement for graduation. (Co-number Bus 44).

Math 45 - SLIDE RULE**1 Unit**

Prerequisite: Math 2
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 Engr 45)

MEXICAN-AMERICAN STUDIES

Faculty: Jess Castro, Frank Fierro, Diana Ho, Amado Reynoso

Counselor: Jess Castro



FIERRO

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 University of California, Santa Barbara

MAS 1	Mexican-American in Contemporary Society	3	MAS 1	Mexican-American in Contemporary Society	3
MAS 2	Mexican-American Culture	3	MAS 2	Mexican-American Culture	3
MAS 4A-B	History of Mexican People in the Southwest	3,3			
MAS 6	Mexican-American Literature in Translation	3			

RECOMMENDED COURSES FOR THE MAJOR

Spn 3A-B	Spanish for the Spanish Speaking	3,3	Spn 3A-B	Spanish for the Spanish Speaking	3,3
Spn 31C	Conversational Spanish	3	Spn 31C	Conversational Spanish	3
Hist 9A-B	History of the Americas	3,3	Hist 9A-B	History of the Americas	3,3
	or			or	
MAS 22	Directed Studies	1-3	MAS 22	Directed Studies	1-3
MAS 7	Field Work in Barrio Studies	3			

COURSES IN MEXICAN-AMERICAN STUDIES

MAS 1 - MEXICAN-AMERICAN IN CONTEMPORARY SOCIETY 3 Units

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

An analysis of the socio-economic and political problems confronting the Mexican-American with emphasis on proposed solutions. Particular focus will be placed on the effects the social institutions have had on the Mexican-American community. Special emphasis will be placed on the school system. (This course will count toward Social Science or general education credit). (F) (Co-number Soc 6)
Accepted for credit, UC (all branches)

MAS 2 - 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.) (Co-numbered Anth 4) (F,S)
Accepted for credit, UC (all branches)

MAS 3A-B - SPANISH FOR THE SPANISH SPEAKING 4-4 Units

Prerequisite: A speaking knowledge of the Spanish language.
5 hours lecture, 1 hours laboratory weekly.

The methodical presentation of the basic communication skills of Spanish for students who are from Spanish speaking backgrounds. Emphasizing vocabulary building and conversation, both semesters increase proficiency in understanding, speaking, reading and writing Spanish. Special attention is focused on correct grammar and written communications for the Mexican-American. (Co-numbered Spn 3A-B)

MAS 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 Mejicano from the pre-Columbian period to the present. Emphasis will be on the Mexican settlement of the region and the contributions of the Mejicano to the development of the five Southwestern states (Arizona, California, Colorado, New Mexico and Texas). (Co-number Hist 4) (F,S)

MAS 7 - FIELD WORK IN BARRIO STUDIES

3 Units

Prerequisite: Completion of MAS 1 or consent of instructor
6 hours lecture weekly.

Field study observation of selected barrios, institutions, and agencies to be conducted under supervision and after preparatory instruction to acquaint students with the barrio. (Co-number Soc 7)

MAS 8 - POLITICAL PATTERNS IN THE U.S.

3 Units

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

Fundamental principles of U.S. Government, Federal, State, and Local, in theory and practice. Emphasis on State and Local Government of the Southwest with particular attention given to the legislative process, political parties, pressure groups, and implementation of policy at County and Municipal levels. Special emphasis on the participation of the Mexican American in our political institutions. (Co-number Poli Sci 8)

**MAS 13A-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-number ThA 11AB)

MAS 22A-B - DIRECTED STUDIES—MEXICAN-AMERICAN 1-3/1-3 Units

Prerequisite: Consent of the instructor
1-3 hours laboratory weekly.

Designed for selected students who are interested in furthering their knowledge of Mexican-American studies on an independent studies basis. Assigned problems will involve library, laboratory and field work. Maximum of 3 units.



MUSIC

Faculty: Orbie Ingersoll, Sheldon Mehr, James Stemen

Counselor: Carole Ginet



INGERSOLL



MEHR



STEMEN

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

University of California, Santa Barbara

Mus 2A-2B	Music Theory	4,4	Music 2A-2B	Music Theory	4,4
Mus 9A-9B	Music History/Lit	3,3	Mus 9A-9B	Music History/Lit	3,3
Mus 12,21	Vocal/Instrum/Ensem	1,1	Mus 24	Piano	

REQUIRED GENERAL EDUCATION COURSES

For Lan Foreign Language
(3 semesters or five quarters)
German or French recommended

RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-1B	Intro to Western Civ	3,3	Hist 1A-1B	Intro to Western Civ	3,3
Phil 1A	Intro to Philosophy	3	Phil 1A	Intro to Philosophy	3

COURSES IN MUSIC

Mus 1 - FUNDAMENTALS OF MUSIC

3 Units

Prerequisite: None.
3 hours lecture weekly.

Designed for the student with little or no prior understanding in music who wishes to learn to read music. Course objective is to gain a basic understanding of scales, intervals, chords, key signatures, time signatures, musical symbols, and an introduction to the piano keyboard.
Accepted for credit, UC (all branches)

Mus 2A-2B-2C-2D-Theory

4-4-4-4 Units

Prerequisite: Music 1 or equivalent.
5 hours lecture weekly.

A study of music fundamentals, function of scales, study of chords and contrapuntal techniques as follows: 2A, intervals, rhythms, scales, triads, 4 part harmonizing of a given part, and modulation; 2B, the figured base, non-harmonics, 11th and 13th chords and other chromatic chords such as the Neapolitan 6th, augmented 6th and augmented 5th; 2D, two-voice writing and analysis of representative contrapuntal works in two or more voices; modal counterpoint, culminating motet. Students may enter that section of the course for which their technical background has prepared them, as determined by their instructor. The courses must be taken in sequence.

Equivalent to Music 120A, Music 120B, Music 220A, and
Mus 220B, SFVSC
Accepted for credit, UC (all branches)

Mus 5 - SURVEY OF CONTEMPORARY MUSIC

2 Units

Prerequisites: None
2 hours lecture weekly.

Designed to present a comprehensive survey of jazz, rock, electronic and other styles of current music in the Los Angeles area. Student involvement and research in class presentations required.

Mus 8 - MUSIC APPRECIATION

3 Units

Prerequisite: None.
3 hours lecture weekly.

Survey of musical history with special emphasis on the understanding and enjoyment of music; introduction to the formal principles employed in music.
Equivalent to Music 105, SFVSC
Accepted for credit, UC (all branches)

Mus 9A - MUSIC HISTORY AND LITERATURE**3 Units**

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

This course traces the changes of style and the technique of music composition from Gregorian chant through such developments as medieval organum; the secular song and dance music of the Middle Ages and Renaissance; the polyphony of Dufay, Josquin, Lassus, and Palestrina; the Italian and English madrigal; the Baroque opera and concerto grosso through the 18th Century contributions of Vivaldi, Handel, and Bach. The emphasis is on listening and analyzing for style characteristics and on the correlation of musical developments with those in the other arts of the time. Recommended for music majors.

Equivalent to Music 201A, SFVSC
Accepted for credit, UC (all branches)

Mus 9B - MUSIC HISTORY AND LITERATURE**3 Units**

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

A study of the changing styles, techniques, and forms of music from the middle of the 18th Century to the present. Special emphasis is placed upon the artistic philosophy of each style period. Music is studied as one of the humanities, but intensive consideration is also given to the analysis of style and form in other musical works. Recommended for music majors.

Equivalent to Music 201B, SFVSC
Accepted for credit, UC (all branches)

Mus 10 - CONCERT CHOIR*2 Units**

Prerequisite: Consent of instructor
1 hour lecture, 3 hours rehearsal weekly

The learning and performing of choral music for all interested men and women. The choir participates in musical events on campus and in the surrounding community.
Equivalent to Music 184, SFVSC

Mus 11 - CHAMBER CHOIR*1 Unit**

Prerequisites: Consent of instructor
3 hours laboratory weekly.

A choir which performs choral literature suitable for a smaller number of singers. Repertoire may include works of Renaissance composers to those of the modern and contemporary periods. Public performance is expected.

Mus 12 - VOCAL ENSEMBLE*1 Unit**

Prerequisite: Consent of instructor
3 hours rehearsal weekly.

A select group of singers who study and perform literature suitable for a small ensemble. Emphasis is placed on madrigal singing. Public performance is required.

*Course may be repeated for credit up to four times.

Mus 13A - VOICE**2 Units**

Prerequisite: None

1 hour lecture, 3 hours rehearsal weekly.

Designed to begin development of the vocal potential, to lay a foundation for proper vocal production, and to correct faulty singing. Material will consist of song literature sung in English in addition to vocal exercises.

Mus 13B - VOICE**2 Units**

Prerequisite: 13A or consent of instructor

1 hour lecture, 3 hours rehearsal weekly.

A continuation in developing a proper vocal production. Material to be studied will consist of English, Italian, German, French art songs, and arias from larger vocal works.

Music 13C - VOICE IN OPERA WORKSHOP**2 Units**

Prerequisite: 13B 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.

Maximum credit, 2 units for Music 13A-B-C at SFVSC

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

*Course may be repeated for credit up to four times.

***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

*Course may be repeated for credit up to four times.

***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 group utilizing the research and techniques. (F,S) EVENINGS ONLY

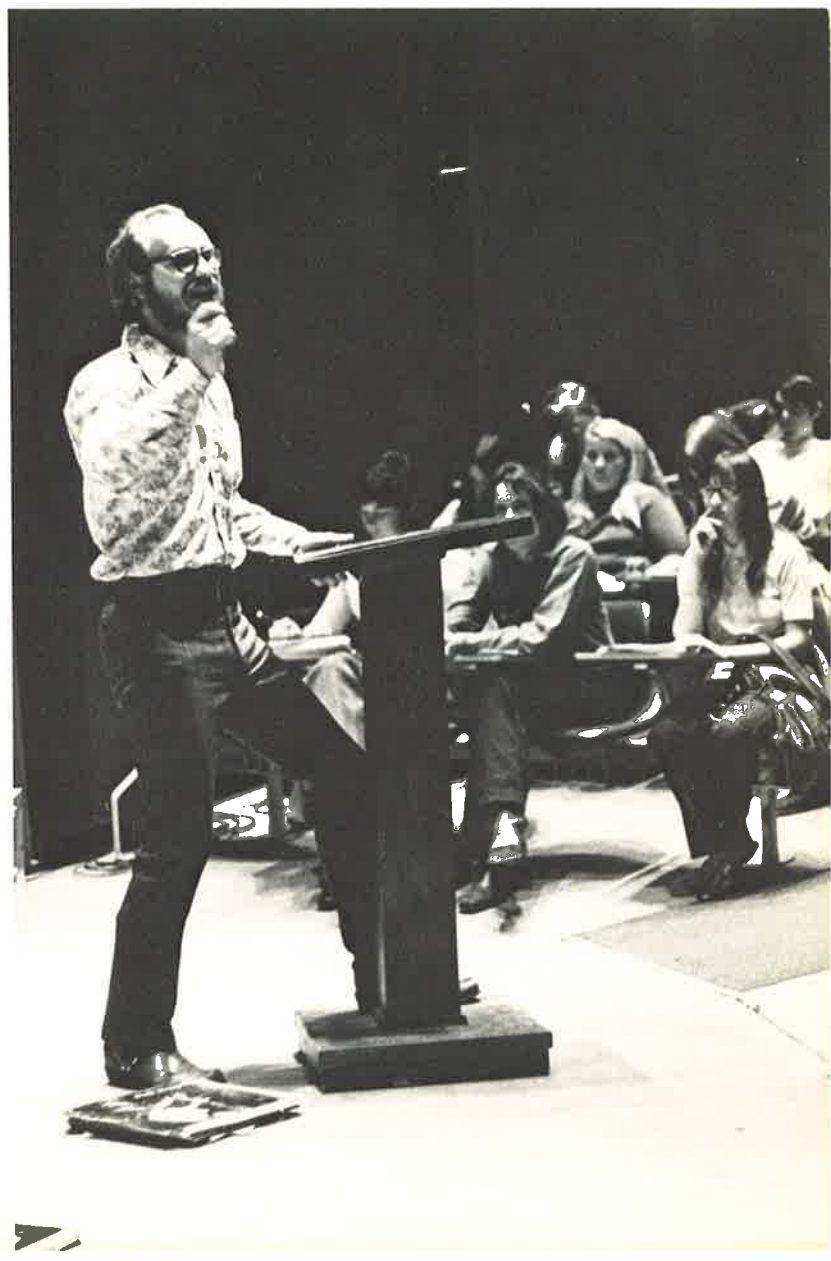
Mus 28 - INSTRUMENTAL CONDUCTING

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

*Course may be repeated for credit up to four times.



PHILOSOPHY

Faculty: Paul Fink, Robert Lombardi

Counselor: Phyllis Cool



FINK

In a general sense, Philosophy includes the sciences, social sciences, and humanities as they involve the art of reasoning and develop an understanding of the human condition. The philosophy student studies the chief schools of ideas (such as Realism, Idealism, Empiricism) and develops a sense of their relationships and interdependences. In addition, he is concerned with such subjects as how man learns and the values he creates.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of California, Los Angeles		
Phil 1A-B	Intro to Philosophy	3,3	Phil 1A-B	Intro to Philosophy	3,3
Phil 2	Intro to Logic	3	Phil 2	Intro to Logic	3

REQUIRED GENERAL EDUCATION COURSES

For Lan Foreign Language 12

RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-B	Intro to Western Civ	3,3	Hist 1A-B	Intro to Western Civ	3,3
Art 1	Art History	3	Art 1	Art History	3
Anth 2	Cultural Anthropology	3	Econ 1A	Principles of Econ.	3
Engl 30	World Literature	3	Anth 2	Cultural Anthropology	3
Engl 31	World Literature	3	Engl 30	World Literature	3
			Engl 31	World Literature	3

COURSES IN PHILOSOPHY

Phil 1A-B - INTRODUCTION TO PHILOSOPHY

3-3 Units

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

Nature and uses of philosophy; possible sources, nature, and criteria of man's knowledge; examination of man's place in the universe; concepts of the self, the mind, and man's freedom; insights of the several types of schools of philosophy on knowledge, reality and value, Phil 1B concentrates on the realm of value, its nature and expression in ethics, aesthetics, religion, and social philosophy. (1A-F, 1B-S)
Equivalent to Philosophy 150 and 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.

Elementary thought processes, both deductive and inductive emphasis on definition, verification, validity, forms of argument and of fallacious reasoning; application of various areas of inquiry.(S)
Equivalent to Philosophy 100, SFVSC
Accepted for credit, UC (all branches)

Phil 3 - COMPARATIVE RELIGIONS

3 Units

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

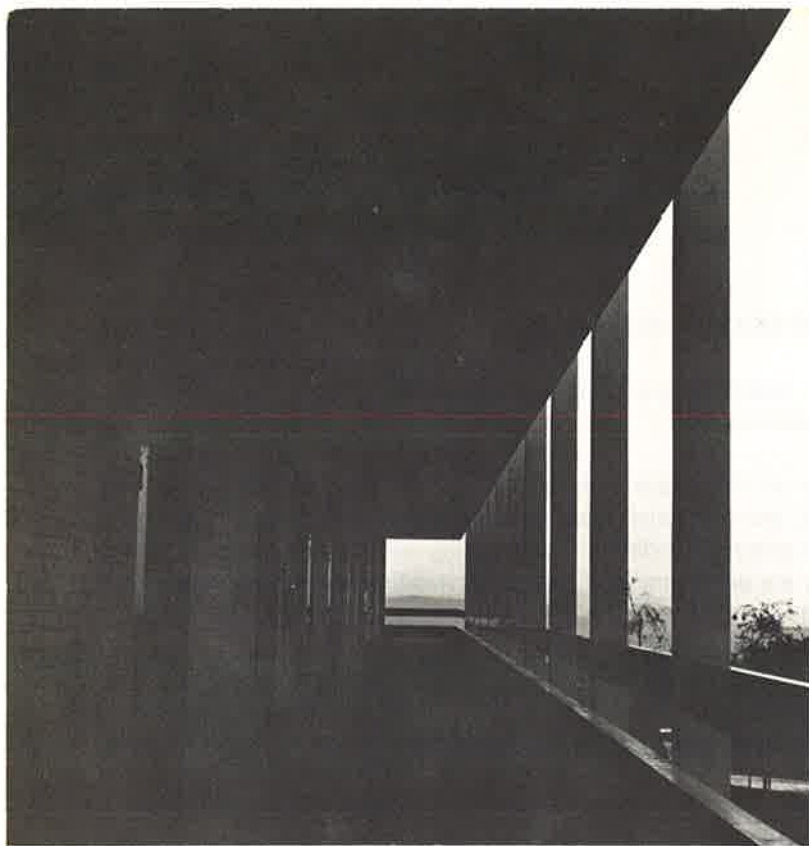
Survey of the major religions of the world as to their origin and development, themes, beliefs and values; the meaning of religion among the ancient and primitive societies; wide reading and written report required; emphasis on the development of both understanding and tolerance of various religions. (F)
Accepted for credit, SFVSC
Accepted for credit, UC (all branches)

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 Chairmen
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 COURSES

Photo 1 - BEGINNING PHOTOGRAPHY

2 Units

Prerequisites: None

1 hour lecture, 3 hours laboratory weekly.

A beginning course in photographic theory and practice. Emphasis on photography as a means of creative expression, including a study of the basic principles of camera operation, exposure, developing and printing.

Photo 4 - ADVANCED PHOTOGRAPHY

2 Units

Prerequisite: Photo 1 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.

PHYSICAL EDUCATION, HEALTH SCIENCE AND RECREATION

Faculty: Stella Bassett; Donald Brockett; Paul Dunham; John Keever;
Modean McCullough; Kathy Mason; James Moore, Division
Chairman; Linda Moore; Alwyn Nordquist; Delbert Parker;
George Ragsdale; Manuel Trevino

Counselor: Ron Zaboski



BASSETT



BROCKETT



DUNHAM



KEEVER



MCCULLOUGH



MASON



J. MOORE



L. MOORE



NORDQUIST



PARKER



RAGSDALE



TREVINO

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		San Fernando Valley State	
PE 80,82	Professional Courses (Men) 2,2	PE 80,82	Professional Courses, (Men) 2,2
PE 84,86	Professional Courses (Men) 2,2	PE 84,86	Professional Courses (Men) 2,2
PE 81,83	Professional Courses (Women) 2,2	PE 81,83	Professional Courses (Women) 2,2
PE 85,87	Professional Courses (Women) 2,2	PE 85,87	Professional Courses (Women) 2,2
Rec 1A-B	Recreational Leadership 2	PE 93A-B	Woman's Sports Officiating 1
An 1	Human Anatomy 4	An 1	Human Anatomy 4
Phy 1	Intro to Human Physiology 4	Phy 1	Intro to Human Physiology 4
PE 90	Intro to Physical Education 2	PE 90	Intro to Physical Education 2
		PE 35	Basic Dance Skills ½
		PE 36	Modern Dance (Women) ½

REQUIRED GENERAL EDUCATION COURSES

Speech 1	Intro to Speech	3	Biol 2A	General Biology	4
Speech 2	Elements of Public Speaking	3			
Biol 2A-B	General Biology	4,4			

RECOMMENDED GENERAL EDUCATION COURSES

Soc 1	Intro to Sociology	3	Biol 2B	General Biology	4
Soc 4	Marriage and Family	3	PE 91A-B	Men's Sports Officiating	1,1
Psych 3	Personal & Social Adjustment	3	Soc 1	Intro to Sociology	3
HS 5	Safety & First Aid	2	Speech 1	Intro to Speech	3
PE 91A-B	Men's Sports Officiating	1,1	Speech 2	Elements of Public Speaking	3
PE 93A-B	Women's Sports Officiating	1,1	Rec 1A-B	Recreational Leadership	2
			HS 5	Safety & First Aid	2
			Psych 3	Personal & Social Adjustment	3

Enrollment Regulations--To fulfill the legal requirements in physical education, a full-time student (enrolled in more than eight units) is required to be enrolled in a Physical Education activity class for a minimum of two class hours per week of each semester in which the student is in attendance, until the graduation requirement is met. Courses numbered PE 10 through PE 89 meet the requirement for a Physical Education activity class. PE courses numbered over 89 do not meet the requirement for a Physical Education activity class.

Exemption--A student may be legally exempted from the Physical Education activity requirement if (1) he or she has attained the 21st birthday prior to the first day of class, or (2) if he or she has a medically excused disability approved by the school physician. Unless excused, students who have a remedial or irremedial limitation will enroll in Adaptive Physical Education (PE 38).

Petitions & Restrictions--Students who desire exemption from Physical Education activity are required to file a formal petition with the Dean of Students. Students who fail to register for a Physical Education activity class (except those exempted), or who register and fail to regularly attend, are subject to having their class load reduced to eight units or less and reclassification as a part-time student. Students may enroll in more than one Physical Education activity class per semester, but they may only apply one course each semester toward the fulfillment of the graduation requirement.

Repetition for Credit--The college policy for repeating a course for credit applies to all beginning Physical Education activities courses except PE 38-Adaptive Physical Education. 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. Moorpark College students are required to wear a standardized activity uniform which may be purchased in the student bookstore.



COURSES IN PHYSICAL EDUCATION, HEALTH SCIENCE AND RECREATION

Physical Education Activities

½ Unit

Prerequisite: PE 10 through PE 49 no prerequisite; PE 50 through PE 69 requires beginning course or consent of instructor.
2 hours activity weekly.

BEGINNING MEN'S ACTIVITIES

PE 10 Body Conditioning—A course designed to increase the understanding of the principles of fitness and the development and maintenance of a high level of efficiency.

PE 11A-B Beginning Gymnastics—Development of proficiency in elementary skills of tumbling and gymnastics with emphasis on safety, basic understanding, and appreciation.

PE 11A - Fall Semester - Emphasis on Body Balance, Tumbling, Trampoline and Introduction to apparatus.

PE 11B - Spring Semester - Emphasis on the development of proficiency in the elementary skills of apparatus.

PE 12A-B Team Sports—Techniques, strategies, rules of team sports in season, with opportunity to participate in the intramural program.

PE 12A - Fall Semester - flag football, volleyball, basketball.

PE 12B - Spring Semester - Basketball, soccer, Rugby, softball.

PE 13 Beginning Wrestling—Introduction of wrestling as an educational medium which gives the student opportunity for self-expression. The student is taught take-downs, rides, escapes and falls.

PE 15 Beginning Rugby—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.

BEGINNING WOMEN'S ACTIVITIES

PE 20 Body Mechanics—A course designed to bring together essential knowledge, understanding, appreciation and skills for efficient body function, to aid the student in evaluating her own exercise needs.

PE 21A-B **Gymnastics**—Development of proficiency in elementary skills in tumbling and gymnastics with emphasis on safety, basic understanding and appreciation.

PE 21A - Fall & Spring Semester - Emphasis on elementary apparatus skills.

PE 21B - Fall & Spring Semester - Emphasis on rhythmic gymnastics and floor exercises.

PE 22A-B **Team Sports**—Techniques, strategy and rules of team sports in season with opportunity to participate in the intramural program.

PE 23 **Introduction to Yoga**—An eastern approach to physical well being that includes relaxation techniques, specific exercises for body control, good health and some techniques for mental and emotional control. Background of Hatha Yoga and diet will also be covered.

PE 27A-B **WRA Team Sports**—Open to women interested in competitive athletics. Instruction is given in techniques, strategies, and rules of team sports. Two additional hours required per week by arrangement. 1 Unit Credit.

27A - Fall Semester - Basketball, volleyball, soccer.

27B - Spring Semester - Softball, field hockey, speedball.

PE 28 **Dynamic Fitness for Women**—Course designed in conditioning exercises to improve body form and function. Corrective and therapeutic exercises selected to fill specific needs.

BEGINNING COEDUCATIONAL ACTIVITIES

PE 30 **Archery**—Development of skill in archery, including rules, etiquette, safety factors, and techniques of archery.

PE 31 **Badminton**—Development of skill in playing badminton, including rules, etiquette, and techniques of playing badminton.

PE 32 **Bowling**—Development of skill in bowling, including rules, etiquette, safety features, and techniques. Class is conducted off campus at the Simi Bowl.

PE 33 **Golf**—Development of skill in playing golf. The course covers etiquette, rules, and technique of playing golf.

PE 34 **Tennis**—Development of skill in playing tennis. The course covers etiquette, rules and techniques of playing tennis.

PE 35 **Basic Dance Skills**—Survey, analysis, and practice of the fundamental dance skills which are basic to all types of dance.

PE 36 **Modern Dance**—Development of proficiency on modern dance technique, skills and development of an understanding and appreciation for modern dance as an art form.

PE 37 **Social, Folk, and Square Dance**—Development of Social, Folk and Square Dance skills, etiquette, understanding, and appreciation.

PE 38 Adaptive Physical Education—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-B Beginning Ballet—An introduction to basic ballet technique. 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—Development of basic skills in playing volleyball including rules and techniques of playing power volleyball.

PE 41 Beginning Modern Jazz—Development of proficiency in jazz technique and skills and development of an understanding and appreciation of jazz as a dance form.

PE 43 Improvisation—Experience in creating appropriate movement responses to express ideas and feelings. Students will explore various stimulus situations with the ultimate aim at recreating and developing their initial spontaneous responses in the organic form of the dance.

PE 44 Jogging For Fitness (C)—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.

INTERMEDIATE ACTIVITIES

PE 50 Body Conditioning (men only)—Advanced techniques and skills of the principles of fitness and the development and maintenance of a high level of efficiency.

PE 51 Badminton (Coed)—Advanced techniques and strategies in badminton including participation in competitive events.

PE 52 Wrestling (men only)—A continuation of beginning wrestling (PE 13) which will include advanced techniques and take-downs, rides, escapes and falls. Advanced instruction given concerning pinning combinations and strategies, and tactics.

PE 53 Golf (Coed)—Advanced techniques and skills development with special emphasis on links play. Students are assigned play on local courses at their own expense.

PE 54 Tennis (Coed)—Development of higher proficiency and performance of tennis skills with special emphasis on game strategy and techniques.

- PE 55** **Baseball (men only)**—Advanced techniques and strategies in baseball. A continuing development of a high degree of skill is emphasized.
- PE 56** **Modern Dance (Coed)**— 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.
- PE 57** **Basketball (men only)**—Advanced technique and strategies in basketball. A continuing development of a high degree of skill is emphasized.
- PE 58** **Football (men only)**—Advanced technique and strategies in football. A continuing development of a high degree of skill is emphasized.
- PE 59** **Track (men only)**—Advanced technique and strategies in track. A continuing development of a high degree of skill is emphasized.
- PE 60** **Volleyball**—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** **Gymnastics (Coed)**—Development of fundamental skills in tumbling, free exercise and apparatus for those already trained in the elementary gymnastic skills.



- PE 65** **Skin and Scuba Diving**—Instruction in both skin and scuba diving providing student with maximum opportunity to receive instruction both in pool and ocean. \$5 fee for air tanks. (1½ units)

VARSITY SPORTS FOR MEN

1 Unit

Prerequisites: Meet the requirements for athletic eligibility in the Western States Conference and/or coach's permission.
2 hours daily

- PE 70 *Baseball (Spring Semester only), Equivalent to PE 215, SFVSC
- PE 71 *Basketball (Fall & Spring Semesters), Equivalent to PE 201, SFVSC
- PE 72 *Cross Country (Fall Semester only), Equivalent to PE 203, SFVSC
- PE 73 *Football (Fall Semester only), Equivalent to PE 200, SFVSC
- PE 74 *Golf (Spring Semester only), Equivalent to PE 210, SFVSC
- PE 75 *Tennis (Spring Semester only), Equivalent to PE 211, SFVSC
- PE 76 *Track (Spring Semester only), Equivalent to PE 214, SFVSC
- PE 77 *Wrestling (Fall & Spring Semesters), Equivalent to PE 204, SFVSC

*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.

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

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

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

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

PE 84 - 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: archery, badminton, basketball, golf, lead-up games, volleyball.
Equivalent to PE 280, SFVSC

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 development in skills, appreciation and knowledge of modern dance and basic dance forms including background information. (F)
Accepted for credit, SFVSC

PE 86 - MEN'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.

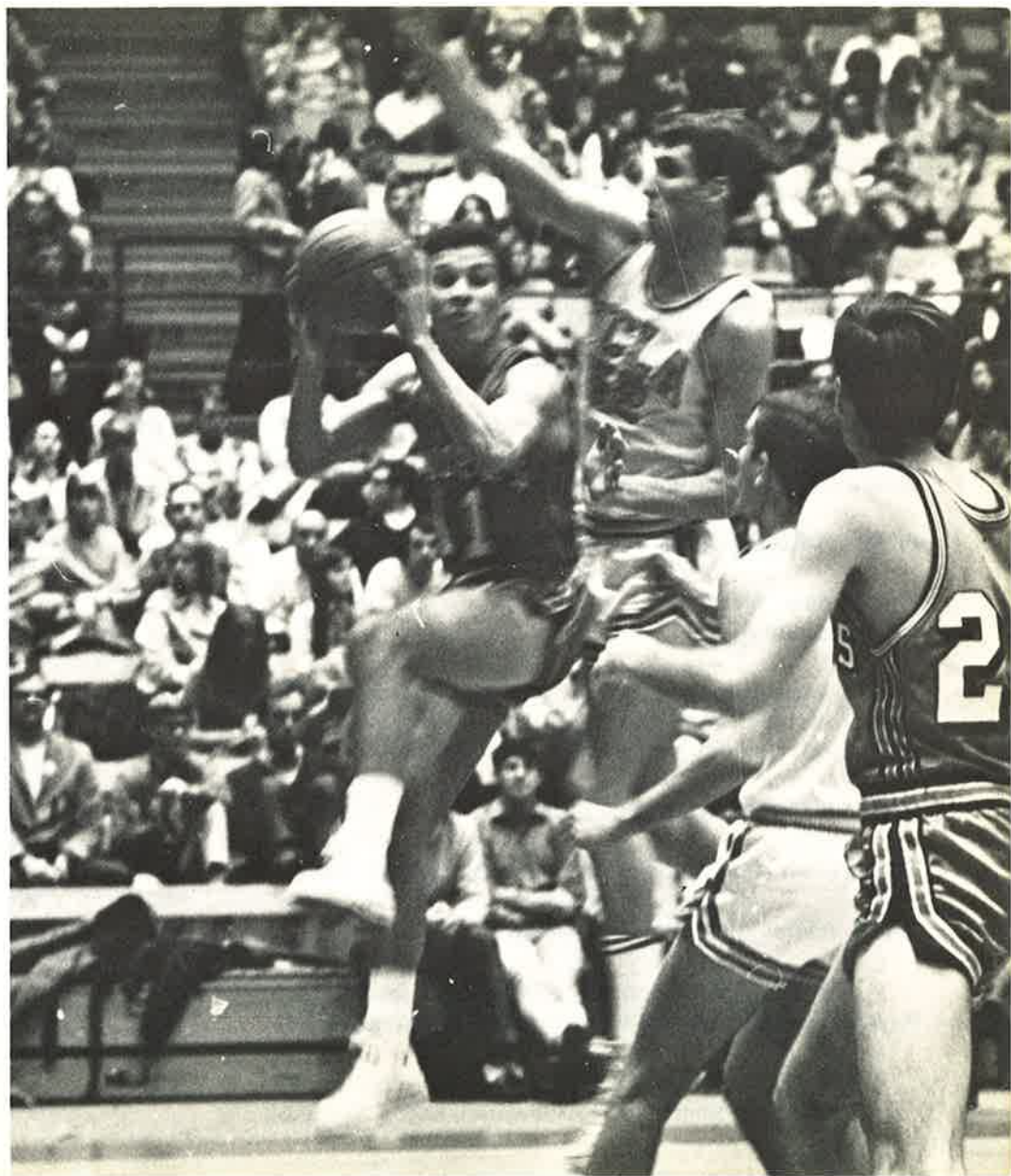
Development of skills, safety habits, appreciation and knowledge of rules, strategy, and background of the following activities: baseball, football, softball, tennis, track and field.
Equivalent to PE 281, SFVSC

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





PE 89A-B - DANCE PRODUCTION (coed) 1 or 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 demonstration, i.e., choreography, staging, make-up, costumizing, set designing and construction, lighting, and publicity.

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. (Fall Semester only).

PE 91A-B - MEN'S SPORTS OFFICIATING 1, 1 Unit

Prerequisites: Consent of instructor and/or enrolled in P.E. major/minor program.

1 hour lecture, 1 hour laboratory weekly.

Instruction and laboratory experience in sports officiating for men. Proficiency ratings required to successfully complete the course.

91A - Fall Semester - Football, Soccer, Basketball, Wrestling
91B - Spring Semester - Track, Baseball, Rugby, Volleyball

PE 92A-B - DIRECTED STUDIES IN PHYSICAL EDUCATION 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 physical education on an independent study basis. Assigned problems will involve library, laboratory, and field. Maximum of 6 units.

PE 93 A-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

PE 97 - CREATIVE RHYTHMIC ACTIVITIES FOR CHILDREN 2 Units

Prerequisites: None.

1 hour lecture, 3 hours laboratory weekly.

A presentation of methods and materials with which teachers of preschool and early elementary school-aged children can lead their classes in creative rhythmic and dance activities, thereby offering their students experience in an expressive medium that can further physical, mental and social development. (Co-number HE 97)

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.

RECREATION

Counselor: Ron Zaboski

The recreation-education professional faces the awesome challenge of directing an automated society toward the worthy use of leisure time. The major in recreation education is designed for students who plan to follow professional careers in recreation as program leaders, directors, supervisors or administrators in public or private recreation agencies.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State

Rec 3A-B	Recreational Leadership	2
PE 80, 82	Professional Courses (Men)	2,2
PE 84, 86	Professional Courses (Men)	2,2
PE 81, 83	Professional Course (Women)	2,2
PE 85, 87	Professional courses (Women)	2,2

Cal State, Long Beach

PE 35	Basic Dance Skills	½
PE 37	Social, Folk, Square Dance	½
ThA 24	Introduction to Theatre	3
HS 5	Safety and First Aid	2
Journ 1	News Reporting and Writing	3

REQUIRED GENERAL EDUCATION COURSES

Engl 1	Composition and Literature	3,3
Soc 1	Intro to Sociology	3

RECOMMENDED GENERAL EDUCATION COURSES

PE 90	Intro to Physical Education	2	PE 90	Intro to Physical Education	2
PE 35	Basic Dance Skills	½	Rec 1A-B	Recreational Leadership	2
PE 37	Social, Folk Square Dance	½	PE 80,82	Professional Courses (Men)	2
LH 25A-B	Turfgrass Manage.	3,3	LH 25A-B	Turfgrass Manage.	3,-
Soc 1	Intro to Sociology	3	Soc 2	Social Problems	3
Psych 3	Personal and Social Adjustment	3	Speech 1	Intro to Speech	3
Speech 2	Elements of Public Speaking	3	Psych 3	Personal and Social Adjustment	3
			Speech 2	Elements of Public Speaking	3

REC 1 - INTRODUCTION TO COMMUNITY RECREATION **2 Units**

Prerequisites: None
2 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 interrelationship of institutions and agencies that serve the community recreation needs. Observation work is required.

REC 3A-B - RECREATIONAL LEADERSHIP **2 Units**

Prerequisites: Consent of instructor and/or enrolled in Recreation or P.E. major/minor program.
1 hour lecture, 3 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 - Fall Semester
3B - Spring Semester

**REC 49A-B - DIRECTED WORK EXPERIENCE IN
COMMUNITY RECREATION** **2-2 Units**

Prerequisites: Permission of faculty supervisor and summer employment by recreation agency.
6-12 hours 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.

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.



MENZIE



MEYER

REQUIRED COURSES IN MAJOR

San Fernando Valley State

Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat and Sound	3
Ph 4C	Electricity & Magnet.	3
Ph 4D	Optics & Modern Physics	3
Math 25ABC	Calculus with Analytic Geo.	5,5,5
Math 35	Applied Dif. Equa.	3

University of Calif. Los Angeles

Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat and Sound	3
Ph 4C	Electricity & Magnet.	3
Ph 4D	Optics & Modern Physics	3
Math 25ABC	Calculus with Analytic Geo.	5,5,5
Math 35	Applied Dif. Equa.	3

RECOMMENDED GENERAL EDUCATION COURSES

Math 18	Computer Program. FORTRAN	2	Math 18	Computer Program. FORTRAN	2
Engl 1	Composition & Lit.	3	For Lan	Foreign Language (German)	4,4,4
Speech 1	Intro to Speech	3	Engl 1	Composition & Lit	3
PSc 1	Intro to Government	3	Bio 2A	General Biology	4
Hist 7B	Social & Polit History of the U.S.	3	Env. Sci. 1	Environ. Science	4
Bio 2A	General Biology	3			

COURSES IN PHYSICS

Ph 2A-B - GENERAL PHYSICS

4-4 Units

Prerequisites: High School mathematics through trigonometry; Ph 2A for Ph 2B

3 hours lecture, 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: Current 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)

*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)

***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)

***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 Lab 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 braches)

*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 laboratory 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, SFVSC and UC (all branches)

Ph 11A-B - TECHNICAL PHYSICS**4-4 Units**

Prerequisites: High School algebra with grade of C or higher or equivalent.
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 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)



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, even 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 supervised work study 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)

Phys Sci 22A-B - DIRECTED STUDIES IN PHYSICAL SCIENCE

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 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

POLITICAL SCIENCE

Faculty: Gerald Bridgeman; William Bendat; Jess Castro;
Robert Herman; Stephen Herzog; Richard Perry

Counselor: Jess Castro

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.



BRIDGEMAN



HERMAN



HERZOG

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		University of California, Santa Barbara	
Pol Sci 1	Intro to Government	3	Pol Sci 1 Intro to Government 3
Pol Sci 2	Comparative Government	3	Pol Sci 2 Comparative Government 3
Pol Sci 3	American Government	3	Pol Sci 3 American Government 3
Econ 1A	Principles of Economics	3	
Hist 1B	Intro to West. Civilization	3	Five courses from the following areas:
			Anthro 2
			Econ 1A or 1B Principles of Econ 3,3
			Hist 1A-1B Intro to Western Civ. 3,3
			Hist 7A-7B Soc/Political Hist. of U.S. 3,3
			Hist 15A-15B Intro to Hist. of Asia 3,3
			Psych 2 General Psych 3
			Soc 1 Intro to Soc 3
			Soc 2 Social Problems 3

COURSES IN POLITICAL SCIENCE

Pol Sci 1 - INTRODUCTION TO GOVERNMENT

3 Units

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

Basic principles of political science as it applies to American and European government, and processes of politics; fulfills state requirements for federal state and local government. The student will do research and writing on special topics, and the case study of selected political problems will be used to supplement the lectures and discussions. For social science majors or others with strong interest in this area.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Pol Sci 2 - COMPARATIVE GOVERNMENT

3 Units

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

A comparative study of selected government of the Americas, Europe, Africa and Asia, including the United States, Britain, France, Germany, the Soviet Union, China, and India. Fulfills the state requirements for study of federal, state and local government. (F)

Equivalent to Poli Sci 156, SFVSC

Accepted for credit, UC (all branches)

Pol Sci 3 - AMERICAN GOVERNMENT

3 Units

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

Survey of the main characteristics, historical background, contemporary principles, structure, practice and issues of American government, including the national, California state and local government; fulfills the state requirement for study of federal, state and local government.

The emphasis will be placed on field research in practical politics. (F,S)

Equivalent to Poli Sci 155, SFVSC

Accepted for credit, UC (all branches)

Pol Sci 4 - INTERNATIONAL RELATIONS

3 Units

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

The course is a study of relations between sovereign units. It will concentrate on international organization, theoretical proposals toward and possibilities for world peace, the simple mechanics of politics among nations, and will consider the formation of American foreign policy. Attention will be paid to the relationship between domestic and foreign politics.

Accepted for credit, UC (all branches)

Accepted for credit, SFVSC

Pol Sci 7 - MINORITY GROUPS

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. (F,S)
Equivalent to Political Science 196, SFVSC
Accepted for credit, UC (all branches)

Pol Sci 10 - PUBLIC ADMINISTRATION AND POLICY DEVELOPMENT

3 Units

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

This course will focus upon the role of administration in government with special emphasis on the potentially commanding position of bureaucratic power in American politics. The course is designed to help the student develop a more sophisticated understanding of what public administration is, how decisions are made in the public bureaucracy, what its tasks are, and how it goes about accomplishing these tasks. Fulfills the state requirements for study of federal, state and local government.
Accepted for credit, UC (all branches)
Accepted for credit, SFVSC

Pol Sci 8 - POLITICAL PATTERNS IN THE U. S.

3 Units

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

Fundamental principles of U. S. Government, Federal, State and Local, in theory and practice. Emphasis on State and Local Government of the Southwest with particular attention given to the legislative process, political parties, pressure groups, and implementation of policy at County and Municipal levels. Special emphasis on the participation of the Mexican American in our political institutions. (Co-number MAS 8)

Pol Sci 22A-B - DIRECTED STUDIES IN POLITICAL SCIENCE

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 political science on an independent study basis. Assigned problems will involve library and field work.
3 units maximum credit, SFVSC



**Pol Sci 49A-B - DIRECTED WORK EXPERIENCE IN
POLITICAL SCIENCE**

1-3/1-3 Units

Prerequisites: Consent of instructor and Division Chairman.
6-12 hours laboratory weekly.

A program of on-the-job training for students planning to enter public agencies. There will be a combination of work in the agencies and classroom evaluation of the agency and of the performance of the student. Maximum of 6 units.

PSYCHOLOGY

Faculty: Alan Lowe; Darlene Pacheco; Steven J. Pollock; Maxine Tallman
 Counselor: Alan Lowe

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.



PACHECO



POLLOCK



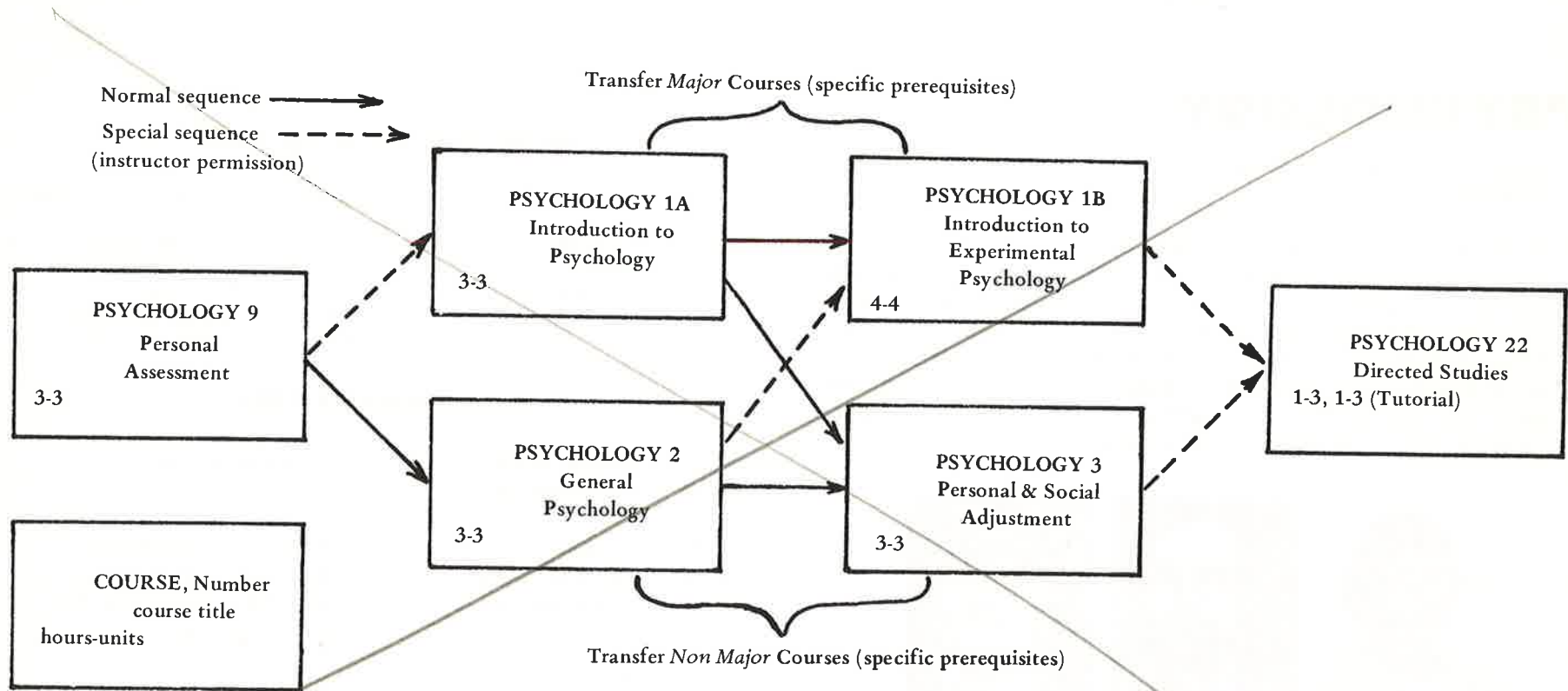
TALLMAN

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of California, Santa Barbara		
Psych 1A	Intro to Psychology	3	Psych 1A	Intro to Psychology	3
Psych 1B	Intro to Experimental Psychology	3	Psych 1B	Intro to Experimental Psychology	3
			Math 15	Introductory Statistics	4
			Biol 1	Principles of Biology	4

RECOMMENDED ELECTIVES

Biol 1	Principles of Biology	4	(Choice of one of these)		
Math 3	Intermediate Algebra	4	Chem 1A	General Chemistry	5
	or		Ph 2A	General Physics	4
Math 15	Introductory Statistics	4	Math 14	Finite Mathematics	3
Phil 1A	Intro to Philosophy	3	Math 25A	Calculus w/Analytic Geo. 1	5
Soc 1	Intro to Sociology	3			



COURSES IN PSYCHOLOGY

Psych 1A - INTRODUCTION TO PSYCHOLOGY

3 Units

Prerequisites: Satisfactory score on placement test
3 hours lecture weekly

An introduction to the subject matter of psychology with emphasis on scientific method, growth and development, sensation and perception, motivation and emotion, learning and cognition, personality, mental health. Designed particularly for psychology majors.

Equivalent to Psych 150, SFVSC

Accepted for credit, UC (all branches)

Psych 1B - INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY 4 Units

Prerequisites: Psych 1A or Psych 2
4 hours lecture weekly

An introduction to experimental methodology in psychology with an emphasis on the scientific method, basic statistics and the physiological bases of behavior. Individual experimental study is included.

Equivalent to Psych 250, SFVSC

Accepted for credit, UC (all branches)

Psych 2 - GENERAL PSYCHOLOGY

3 Units

Prerequisites: Satisfactory score on placement test
3 hours lecture weekly

A survey of the subject matter of psychology. Subject areas will include philosophy of science, heredity, and environment, growth and development, motivation, emotion, learning, personality, and mental health. Designed for those not majoring in psychology.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Psych 3 - PERSONAL & SOCIAL ADJUSTMENT

3 Units

Prerequisites: Psych 1A or Psych 2
3 hours lecture weekly

Orientation in the use of psychological principles applied in understanding human relationships and developing social adaptability. Emphasis will be on the nature of man, human needs and goals, the processes of personal and social adjustment, and mental health.

Accepted for credit, SFVSC

Accepted for credit, UC (all branches)

Psych 9 - PSYCHOLOGY OF PERSONAL ASSESSMENT

3 Units

Prerequisites: Psych 1A or Psych 2

3 hours lecture weekly.

This course is designed to provide the student with methods of achieving self-assessment. It includes material on educational and study skills, vocational study skills, vocational planning, and orientation to college. The course is also intended to give the student some basic concepts in psychology and psychological research, with applications of this material to specific, applied problems found in individual and social psychology. Not intended as a transfer course.

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

HUMANITIES
SOC. SCIENCES



GOT PROBLEMS?

NEED HELP?



ROOM 222

STUDY SKILLS CENTER

RAP COURSES

RAP 1A-B - REASSESSING ATTITUDES AND PRIORITIES 1-1 Units

Prerequisites: None for 1A; 1A for 1B
1½ hours discussion weekly

Rap sessions are designed so students can meet as a group in an unstructured atmosphere, to share their problems, concerns and feelings with other students and thus work toward a greater understanding of themselves and others. Individual objectives are classified within this setting where genuine concerns are shared in confidence.





READING

Faculty: Michael Strumpf; Sinclair Wall



STRUMPF



WALL

COURSES IN READING

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

1 Unit

Prerequisite: Read 1A
3 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 - VOCABULARY BUILDING

2 Units

Prerequisites: None
1 hour lecture, 3 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

2 Units

Prerequisites: English placement test score and counselor recommendation.
1 hour lecture, 3 hours laboratory weekly.

Improvement of vocabulary, reading speed, and rate of comprehension; practice in scanning and in finding essential ideas; use of mechanical aids, manuals, and films.

Read 4B - ADVANCED READING LAB

1 Unit

Prerequisite: Read 4A
3 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.

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 4	Business Mathematics	3
Bus 37	Marketing	3
Bus 39	Business Communications	3
Speech 15	Practical Speech	3
Psych 9	Psychology of Personal Assessment	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.

COURSES IN 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 salesmen and real estate brokers. Designed to provide the necessary knowledge required of candidates for the California Real Estate Salesman's Examination; prerequisite for more specialized courses. (F,S)

RE 92 - LEGAL ASPECTS OF REAL ESTATE

3 Units

Prerequisite: RE 91
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
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
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
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

Prerequisites: RE 91
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)



SOCIAL SCIENCE COURSES

Faculty: Roger Boedecker

Counselor: Knox Long

Soc Sci 1A-B - AMERICAN ISSUES

2,2 Units

Prerequisites: None

2 hours lecture weekly.

A survey of some of the most critical issues confronting American society. These include; the growth of technology, the rise of corporate power, America's role in world affairs, and changing political patterns. The vantage points for this survey are both historic and contemporary. Completion of Am St 1A-B will fulfill AA degree requirements in American history and institutions.

Soc Sci 5 - GROUP EXPLORATION OF RACISM

2 Units

Prerequisites: None

2 hours lecture weekly

Group discussion designed to explore, identify and understand the social and emotional pathology of racist orientation as they appear in everyday life. Discussions will focus on examinations of personal experiences as well as conventional case studies. (S)

SOCIAL WELFARE

Faculty: Kenneth Buckner

Counselor: Alan Lowe

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	Intro to Sociology	3
Soc 2	Social Problems	3

University of California, Los Angeles

Soc 1	Intro to Sociology	3
Soc 2	Social Problems	3
Math 15	Introductory Statistics	4

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4,4
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SOCIOLOGY

Faculty: Kenneth Buckner, Walter Lossner

Counselor: Alan Lowe

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.



BUCKNER



LOSSNER

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State			University of California, Santa Barbara		
Soc 1	Intro to Soc	3	Soc 1	Intro to Soc	3
Suggested Electives			Math 15	Introductory Statistics	4
			Psych 2	General Psychology	3
Psych 2	General Psychology	3	or		
or			Psych 1	Intro to Psychology	3
Psych 1	Intro to Psychology	3	Suggested Electives		
Anth 2	Cultural Anthropology	3			
Econ 1A	Prin. of Economics	3	Anth 2	Cultural Anthropology	3
Soc 2	Social Problems	3	Econ 1A-1B	Principles of Econ.	3,3
Math 15	Introductory Statistics	4	Hist 1A-1B	Intro to Western Civ.	3,3

COURSES IN SOCIOLOGY

Soc 1 - INTRODUCTION TO SOCIOLOGY

3 Units

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

The structure of society, and of human behavior in the context of a social system; basic concepts and terms used in sociological research; some world-wide problems related to population and industrialization. (F,S)

Equivalent to Soc 150, SFVSC

Accepted for credit, UC (all branches)

Soc 2 - SOCIAL PROBLEMS

3 Units

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

Sociological theory regarding deviant behavior, particularly in the U.S.; major social problems, related factors, and current and proposed policies for solution. (F,S)

Equivalent to Soc 200, SFVSC

Accepted for credit, UC (all branches)

Soc 4 - MARRIAGE AND THE FAMILY

3 Units

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

A study of the institution of marriage as a significant social unit throughout the world. Dating, mate-selection, courtship, engagement, marriage, and parenthood are analyzed transculturally. (F,S)

Accepted for credit, UC (all branches)

Accepted for credit SFVSC

Soc 6 - MEXICAN-AMERICAN IN CONTEMPORARY SOCIETY

3 Units

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

An analysis of the socio-economic and political problems confronting the Mexican-American with emphasis on proposed solutions. Particular focus will be placed on the effects the social institutions have had on the Mexican-American community. Special emphasis will be placed on the school system. (This course will count toward Social Science or general education credit). (F) (Co-numbered MAS 1)



Soc 7 - FIELD WORK IN BARRIO STUDIES

3 Units

Prerequisites: Completion of Soc 6 or consent of instructor
1 hour lecture, 6 hours laboratory weekly

Field study observation of selected barrios, institutions, and agencies to be conducted under supervision and after preparatory instruction to acquaint students with the barrio. (Co-numbered MAS 7)

Soc 22A-B - DIRECTED STUDIES IN SOCIOLOGY

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 sociology on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units. Maximum of 3 units accepted, SFVSC

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.



PEARSON



REYNOSO

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of California, Santa Barbara		
Spn 1A-B	Elementary Spanish	4-4	Spn 1A-B	Elementary Spanish	4-4
Spn 2A-B	Intermediate Spanish	4-4	Spn 2A-B	Intermediate Spanish	4-4

RECOMMENDED GENERAL EDUCATION COURSES

Hist 9A-B	History of the Americas	3-3	Hist 9A-B	History of the Americas	3-3
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COURSES IN SPANISH

Spn 1A-B - ELEMENTARY SPANISH

4-4 Units

Prerequisite: For Spn 1A, consent of counselor; for Spn 1B, Spn 1A or 2 years of high school Spanish with grades of C or better.
5 hours lecture, 1 hour laboratory weekly.

Intensive study of the Spanish Language and culture; special emphasis will be given to the skills and knowledge necessary for speaking and writing Spanish 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. (F,S)

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

Spn 2A-B - INTERMEDIATE SPANISH

4-4 Units

Prerequisite: For Spn 2A, Spn 1B or three years of high school Spanish with grades of C or better; for Spn 2B, Spn 2A or 4 years of high school Spanish.

Further study of spoken and written Spanish and of Spanish culture; development of ability to read with greater ease by study and discussion in Spanish 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. (2A-F, 2B-S)

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

Spn 3A-B - SPANISH FOR THE SPANISH SPEAKING

4-4 Units

Prerequisite: A speaking knowledge of the Spanish language.
4 hours lecture, 1 hour laboratory weekly

The methodical presentation of the basic communication skills of Spanish for students who are from Spanish speaking backgrounds. Emphasizing vocabulary building and conversation, both semesters increase proficiency in understanding, speaking, reading and writing Spanish. Special attention is focused on correct grammar and written communication for the Mexican-American. (3A-F, 3B-S) (Co-number MAS 3A-B)
Equivalent to Mex-Am. 101 and Mex-Am 102, SFVSC
Accepted for credit, UC (all branches)

Spn 22A-B - DIRECTED STUDIES IN SPANISH

1-3/1-3 Units

Prerequisite: 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 Spanish on an independent study basis. Assigned problems will involve library and field work. Maximum of 6 units. (F,S)

Spn 31A - BEGINNING CONVERSATIONAL SPANISH

3 Units

Prerequisites: None
3 hours lecture weekly

An introductory course for non-native speakers of Spanish, including elementary grammar and principles of usage. Designed for students who wish to understand and use Spanish in practical situations. Preliminary course for transfer students with no language background at all. (F)

Spn 31B - INTERMEDIATE CONVERSATIONAL SPANISH

3 Units

Prerequisite: Spn 31A or consent of instructor
3 hours lecture weekly

An intermediate course for non-native speakers of Spanish, including grammar and principles of usage. Designed for students who have some basic conversational Spanish, but who wish to continue work in this area. (S)

Spn 31C - ADVANCED CONVERSATIONAL SPANISH

3 Units

Prerequisite: Spn 31B or consent of instructor
3 hours lecture weekly

This course emphasizes correct oral communication in Spanish. It is especially geared for the student with a Spanish speaking background. The music, art, literature and architecture of Mexico and Spanish America will serve as the main topics of oral presentation and discussion. (F)

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



SPEECH

Faculty: Sidney Adler; C. Tod Fortner; Carol Ginet; Roland Glover;
Robert Reynolds, Department Head.

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.



GLOVER

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College		University of California, Santa Barbara	
Speech 1	Intro to Speech 3	Speech 1	Intro to Speech 3
Speech 2	Public Speaking 3		General Speech Major
Speech 5	Oral Interpretation 3	Broad 1	Intro to Radio-TV Broad 3
	(Speech 5 not required for Speech Correction major)		Rhetoric & Public Address Major
		Speech 5	Oral Interpretation 3
			Speech & Drama Major

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	
	(3 semesters or 5 quarters)	
General Speech Major		
ThA 24	Intro to the Theatre	3
Hist 7A-7B	Soc/Pol History of U.S.	3,3
Hist 9A-9B	History of the Americas	3,3
Speech and Hearing Major		
Psych 3	Personal & Social Adjust.	3
Rhetoric and Public Address Major		
Econ 1A	Principles of Economics	3
Hist 1A-1B	Intro to Western Civ	3,3
	or	
Hist 7A-7B	Soc/Pol History of U.S.	3,3
Combined Speech and Dramatic Art		
ThA 2A-2B	Fundamentals of Acting	3,3
ThA 20A	Theatre Production	2
ThA 21A	Theatre Production Lab	1
ThA 24	Intro to the Theatre	3
Hist 1A-1B	Intro to Western Civ	3,3

COURSES IN 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)

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.

Speech 10 ABCD - FORENSICS

1-1-1-1 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 their 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.

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.



FORTNER



REYNOLDS

REQUIRED COURSE IN THE MAJOR

San Fernando Valley State College

University of California, Santa Barbara

ThA 2A	Fundamentals of Acting	3	ThA 2A-B	Fundamentals of Acting	3,3
ThA 20A-B	Theatre Production	2,2	ThA 20A-B	Theatre Production	2,2
ThA 21A-B	Theatre Production Lab	1,1	ThA 21A-B	Theatre Production Lab	1,1
			ThA 24	Intro to the Theatre	3

REQUIRED GENERAL EDUCATION COURSES

Hist 1A-1B	Intro to Western Civ	3,3
Art 2	Art Appreciation	3
Music 8	Music Appreciation	3
Phil 1A	Intro to Philosophy	3
PE 36	Modern Dance	½
Psych 3	Personal & Social Adjust.	3
Anth 2	Cultural Anthropology	3
For Lan	Foreign Language	4,4,4

RECOMMENDED GENERAL EDUCATION COURSES

ThA 3	Voice and Diction	3
ThA 24	Intro to the Theatre	3
Hist 1A-1B	Intro to Western Civ	3,3

COURSES IN THEATRE ARTS

ThA 2A-B - FUNDAMENTALS OF ACTING

3-3 Units

Prerequisites: None

2 hours lecture, 3 hours rehearsal weekly.

Introduction to acting techniques and development of characterization; exercises in pantomime, improvisation, movement, voice, and rhythm; practical experience in acting on stage.

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)

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 - MANAGEMENT AND PUBLICITY-SUMMER STOCK

1 Unit

Prerequisites: None

3 hours rehearsal weekly.

Practical study and application of the duties of the theatre manager and publicity director in the summer stock theatre.

ThA 14 - ACTING-SUMMER STOCK**2 Units**

Prerequisites: None
6 hours rehearsal weekly.

Participation as an actor in the summer stock theatre productions.

ThA 15 - TECHNICAL THEATRE - SUMMER STOCK**2 Units**

Prerequisites: None
6 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 program.

ThA 16 - COSTUMING AND MAKEUP-SUMMER STOCK**1 Unit**

Prerequisites: None
3 hours rehearsal weekly.

Practical study of costuming theatrical production and the application of makeup in the summer stock theatre situation.

ThA 20A-B - THEATRE PRODUCTION**3-3 Units**

Prerequisites: None
2 hours lecture 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**1-3/1-3 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.

Equivalent to Drama 150, SFVSC
Accepted for credit, UC (all branches)

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)

COMMUNITY SERVICES



**LARRY LLOYD - COORDINATOR
COMMUNITY SERVICES**

A wide variety of services to students, faculty and community are provided on a year-round basis by the Moorpark College Community Services Department. Events planned each year include a comprehensive guest lecture series, featuring a broad spectrum of speakers from throughout the nation, and a concert series of both professional and student talent. Special short courses are also included in the program, such as the Art of the Cinema course featuring outstanding films accompanied by lectures and discussions on the films shown.

Special events are planned on an annual basis; these include: an October-Fest, the Religion-In-Life Week, a Black Week, and a Cinco de Mayo celebration.

All Community Services events are open, free to the public and are widely advertised throughout Ventura County.



SAHL



BALLET AFRO-HAITI



TUNNEY



BUCHWALD

COUNSELING STAFF

Counselors: William I. Bendat; Gary W. Brinkman; Phyllis Cool;
Carol Ginet; William Jay; Knox T. Long; Alan Lowe;
Isaiah Sessoms, Financial Aid; Ronald Zabolski



BENDAT



BRINKMAN



COOL



GINET



JAY



LONG



LOWE



**SESSOMS
FINANCIAL AID**



ZABOSKI

ADMINISTRATION



JOHN J. COLLINS
PRESIDENT



ROBERT A. LOMBARDI
DEAN OF STUDENTS



RICHARD L. MOORE
DEAN OF INSTRUCTION



LEWIS CAMILLUCCI
ASSISTANT DEAN OF
STUDENTS
COUNSELING



W. RAY HEARON
ASSISTANT DEAN OF
STUDENTS
STUDENT ACTIVITIES



JAMES R. GAYLE
ASSISTANT DEAN OF
INSTRUCTION
GENERAL EDUCATION
AND EVENING



WILLIAM H. LAWSON
ASSISTANT DEAN OF
INSTRUCTION
VOCATIONAL-
TECHNICAL
AND EVENING



MAYNARD E. SOMMER
ADMINISTRATIVE
ASSISTANT

DIVISION CHAIRMEN

Ainge, Kenneth E., Chairman, Division of Technology
Boedecker, Roger W., Chairman, Division of Social Sciences
Gilman, Richard E., Chairman, Division of Natural Science and Mathematics
Moore, James Jr., Chairman, Division of Health, Physical Education
Siegel, Howard, Chairman, Division of Humanities

DEPARTMENT HEADS

Martin, Floyd D., Department Head, Mathematics
Miller, Robert W., Department Head, Physical Science
Reynolds, Robert E., Department Head, Fine and Performing Arts
Rodgers, William C., Department Head, Business and Economics
Schonberger, Clinton F., Department Head, Life Sciences
Seely, Michael K., Department Head, Language and Literature

COORDINATORS

Edde, Byron D., Coordinator, Engineering and Engineering Technology
Fleming, Jack A., Coordinator, Law Enforcement

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.
- AIKEN, KIRK (1969)** 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 Tehcnology
 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.
- 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.
- 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, Fillmore 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) Assistant 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

COLLINS, JOHN J. (1966) President
 A.B., M.A., University of California, Berkeley; Ed.D., University of California, Los Angeles; Ford Foundation Fellow, Harvard University
 Experience: Instructor, Sociology and Counselor, Bakersfield College; Dean of Students, Bakersfield College

COOL, PHYLLIS (1970) Counselor
 B.A., La Verne College; M.S., San Diego State College

CORBELL, MARJORIE (1970) Secretarial
 A.A., Kansas City Junior College, B.S., Central Missouri State College
 Experience: Instructor, Simi Unified District

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

- 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
- DEVLIN, RICHARD J. (1967) Hotel & Restaurant Management
 A.A., San Francisco City College
 Experience: Restaurant Owner-manager; Manager, Post Exchange branches in Japan; Instructor, San Bernardino Valley 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
- DUNHAM, PAUL (1967) 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
- FECHT, GERALD R. (1969) History, Humanities
 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
- FIERRO, FRANK (1970) Mexican-American Studies
 A.A., Los Angeles Valley College; B.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) Assistant Dean of Instruction
 General Education and Evening
 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
- 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
- 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 Assistance; Vocal tutor in New York City, Ventura, Los Angeles, San Bernardino
- HANFT, JOHN W. (1967) English
 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) Social Science
 B.A., Wayne State University, Michigan; M.A., University of California, Los Angeles
 Experience: Coordinator, Head Start San Francisco and Modesto; Head Start Administrative Assistant, San Fernando Valley State College, Instructor, California Lutheran College
- 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.S., California State College; M.A., Sonoma State College
 Experience: Instructor Sonoma State College, Golden West College
- HEARON, W. RAY (1967) Assistant Dean of Students,
 Student Activities
 B.A., M.A., 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.
- 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
 Experience: 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
- 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., M.Ed., University of Vermont
 Experience: Counselor, Burbank High School; Instructor, Burbank High School, Vergennes, Vt. High School, Enosburg Falls, Vt. High School
- 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
- LABEL, 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
- 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: Los Angeles City Police Captain, Instructor, Valley College
- LAWSON, WILLIAM H. (1967) Assistant Dean of Instruction
 Vocational-Technical and Evening
 B.S., San Jose State College; M.S., San Jose State College; Ph.D., Claremont Graduate School and University Center
 Experience: Engineer, Pacific Telephone Company; College Relations Officer, U. S. Department of Labor, Washington, D.C.; Department Head, Business, San Bernardino Valley College
- LIETZAU, RICHARD N. (1968) Business Education
 B.A., Winona State, Minnesota; M.A., California State College, Los Angeles
 Experience: Instructor, Eisenhower High School, Rialto; San Bernardino High School
- LLOYD, LAWRENCE G. (1967) Coordinator, Community Services
 A.B., M.A., University of Southern California
 Experience: Instructor, Burbank High School; Faculty Senate President-Elect, 1969-70
- LOMBARDI, ROBERT A. (1967) Dean of Students
 A.B., M.A., University of Southern California
 Experience: Counselor-Instructor, Ventura College
- LONG, KNOX T. (1968) Counseling/Liberal Arts
 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
 Experience: Counseling Psychologist, Compton Counseling Service, Lic. Marriage, Family & Child Counselor; Instructor, Glendale College, University of Southern California; Pastor, Lutheran Church
- LOWE, ALAN (1969) Psychology/Counseling
 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
- 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., California State, Los Angeles, Certificate in Data Processing
 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, ROBERT W. (1968) 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) Chairman, Division of Health and Physical Education
 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.
- 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.
- 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.

- PACHECO, 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.
- PARKER, 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.
- PEARSON, 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.
- PERRY, 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.
- POLLOCK, 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.
- POPIEL, JON E. (1968) English
 A.B., M.A., University of California, Los Angeles
 Experience: Instructor, Los Angeles Valley College.
- RAGSDALE, GEORGE C. (1968) Physical Education
 B.A., M.A., Fresno State College
 Experience: Instructor, Camarillo High School, Rio Mesa High School.
- 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.
- 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
 Experience: 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) Department Head, Language and Literature
 A.B., M.A., University of California, Santa Barbara; Graduate work at Gonzaga University
 Experience: Instructor at Glenbrook Intermediate School in Concord, Punahou School in Honolulu; Assoc. Dept. of English UCSB, Instructor at Ventura College.
- SESSOMS, ISIAH (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, A.B., 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) Chairman, Division of Humanities
 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.
- 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 College, Pomona.
- 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 M. (1971) Speech
 B.A., M.A., University of Redlands
 Experience: Instructor, La Mirada High, University of Redlands, San Fernando Valley State 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.
- 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.

- TREVINO, MANUEL O. (1971) Physical Education
A.B., M.A., Chico State College
Experience: Instructor and coach Chico High School, Kennedy High School and
Bellflower High School
- THOMSEN, JOHN E. (1969) Engineering
B.S., M.S., University of California, Los Angeles
Experience: Instructor, Cabrillo Junior College.
- 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.
- 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 Schools, Coronado School District, Oxnard High
School District.
- 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.

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.
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. See page 26.

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. See page 16.
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 all 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. (To be explained by instruction.)
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.
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. See page 26.
PREREQUISITE	A requirement that must be met before enrolling in a particular course, usually a placement test score, a prior course, or sophomore standing.
SCHEDULE OF CLASSES	A booklet giving the name, time, teacher, units, and room of all classes held.
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 Aids and Job Placement.

SEMESTER PLAN

A special form on which a student lists the courses he plans for the following semesters.

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.

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.

UPPER DIVISION

Refers to students or courses at the junior and senior level of four-year schools.

WORK STUDY

A combined federal/local financial aid program for qualified students who work on campus assisting the staff for fifteen hours each week.

Courtesy of Cypress College

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