

Moorpark College

Catalog

1970-71

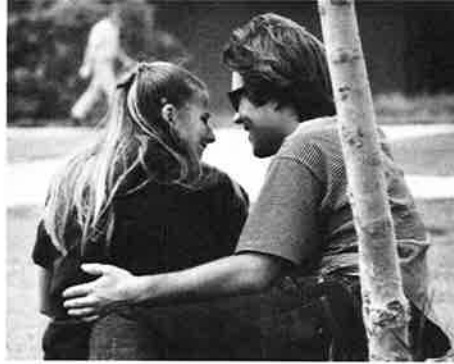


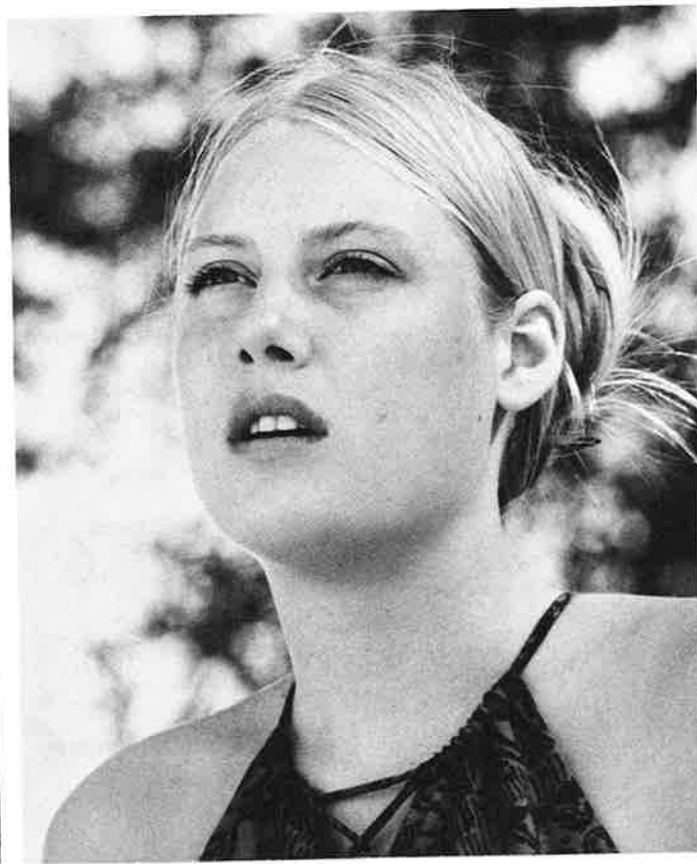
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Accreditation

Moorpark College is accredited by the Western Association of Schools and its courses are approved by the Board of Governors of the California Community Colleges, public and private colleges.

Mr. Robert A. Addison
President



Mr. Fred Stewart
Vice-President



Mrs. Monroe Everett
Trustee



Mr. Philip C. McConnell
Trustee



Dr. William M. Simpson
Trustee





Dr. H. J. Sheffield
Superintendent



Dr. John J. Collins
President

AUG.

SEPT.

OCT.

NOV.

DEC.

JAN.

6, 13, 20, 27 - Placement tests in S-115 at one of the following times: 8:00 a.m.; 10:00 a.m.; 7:00 p.m.

13 - Counseling for Fall Semester begins

3, 4, 8 - Registration for Fall Semester

3, 10 - Placement tests in S-115 at one of the following times: 8:00 a.m.; 10:00 a.m.; 7:00 p.m.

14 - Validation Day

15 - INSTRUCTION BEGINS, FALL SEMESTER

1 - Jewish New Year

23 - Last day to drop classes without prejudice

2-6 - Mid-Term Week

9 - Second eight week courses begin

11 - Holiday, Veterans' Day

16 - Counseling for Spring Semester begins

26, 27 - Holiday, Thanksgiving Day Recess

21 - Holiday, Christmas and New Year's Day Recess begins

4 - Classes Resume

20-27 - Final Examinations

27 - End of Fall Semester

28-29 - Validation Days

FEB.**MAR.****APR.****MAY****JUNE****JULY**

1 - INSTRUCTION BEGINS,
SPRING SEMESTER

29 - Second eight week courses
begin

2 - Holiday, Lincoln's
Birthday

22-26 - Mid-Term Week

7 - Holiday, Washington's
Birthday

5-9 - Spring Vacation

12 - Classes Resume

16 - Last day to file intent for
graduation

3 - Counseling of enrolled
students for Summer and
Fall Sessions begins

31 - Holiday, Memorial Day

3-9 - Final Examinations

11 - End of Semester and end
of counseling of enrolled
students for Summer and
Fall Sessions

11 - Commencement Exercises

14 - INSTRUCTION BEGINS,
SUMMER SESSION

4 - Holiday, Independence Day

23 - End of 6 weeks session

PHILOSOPHY

The Ventura County Junior 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, explore, 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 Junior 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, and 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 on 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 on 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 on May 3, 1968. The Honorable Houston Fluornoy, controller of the State of California, was the principal speaker.

In May of 1968, the college received its first formal accreditation visit and was recommended for full accreditation by the Western Association of Schools and Colleges. During its second and third year the college expanded its course offerings and programs. In this its fourth year of operation the college has added a new Applied Arts building which will provide 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.

The college, in its first three years of operation, has grown from less than 1200 day students in its first semester to over 3000 day students anticipated for the fall semester, 1971. An additional 2500 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. Technical-Vocational 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 to a 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. COUNSELING

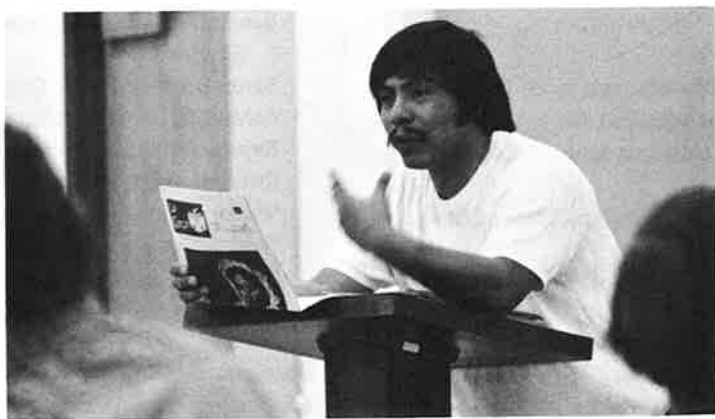
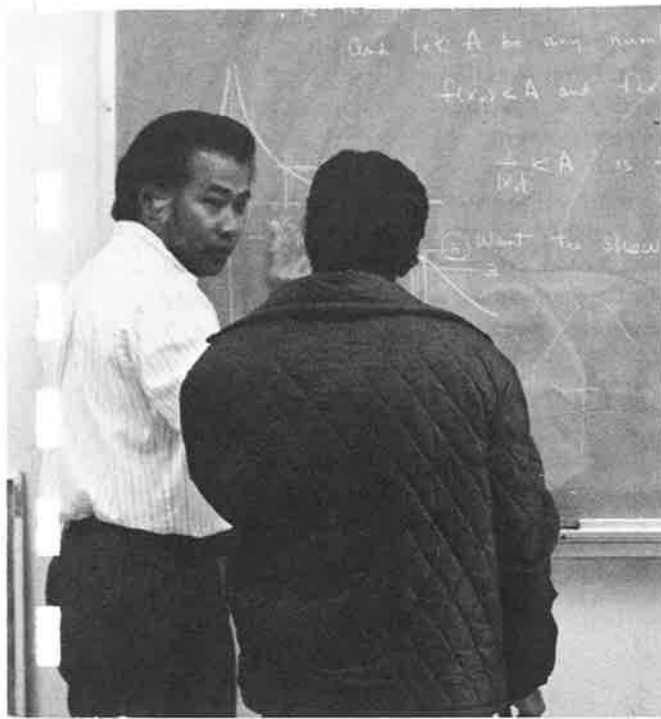
To help implement the philosophy of the "open door," counseling services are provided to assist students in assessing their own capabilities, interests, and goals. Moorpark College is strongly committed to a policy of engaging students, counselors, faculty members, community resources, and necessary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

D. COMMUNITY SERVICES

Moorpark College serves its community, not only by offering formal educational programs, but also by presenting cultural, recreational, and educational activities of an informal nature. The college has a responsibility to the community to make available facilities, staff, and financial resources that will encourage the presentation of stimulating programs in the fields of ideas, art, music, dance, drama, and recreation. These programs are designed to enrich the community and are open to the public as well as to the college student body.



FACULTY AT WORK



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.

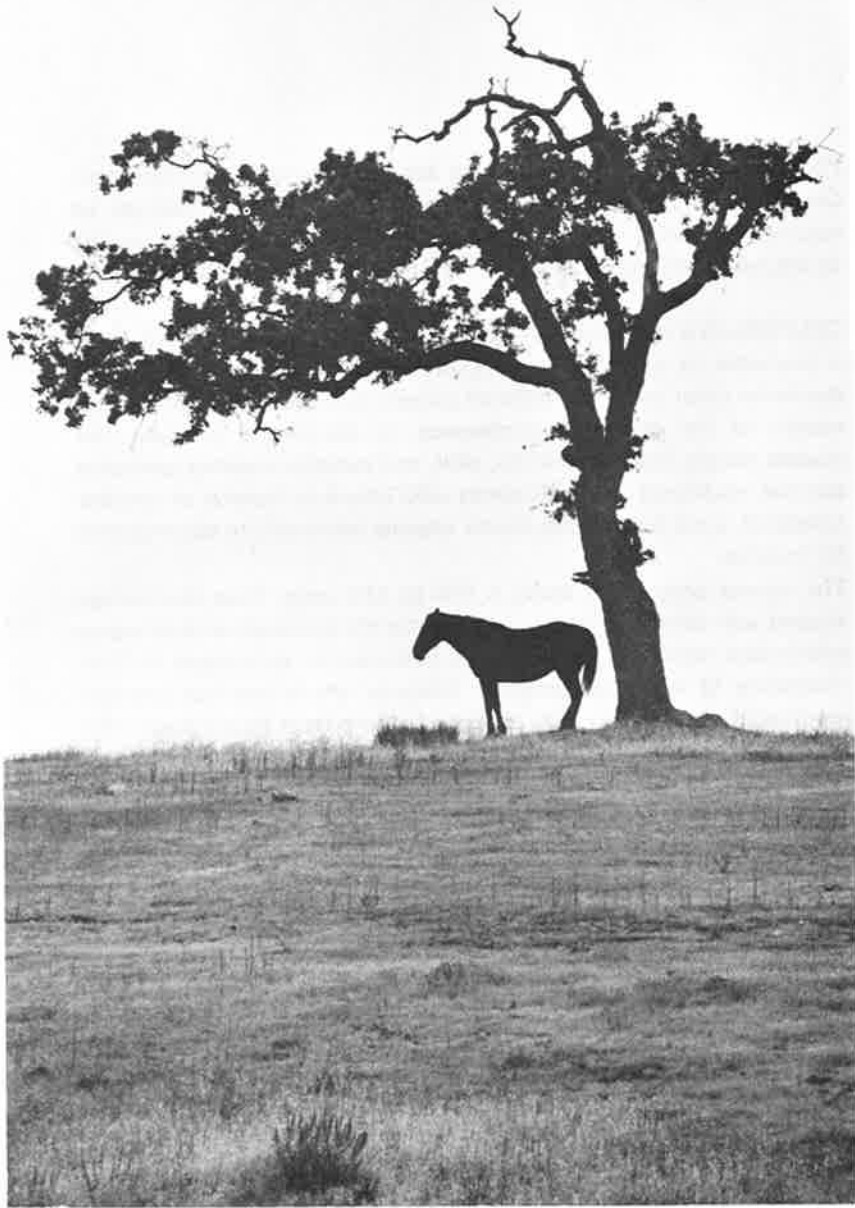
OUT-OF-COUNTY — California students with legal residence in one of the following junior college districts must present a permit for attendance from that district before completing registration in classes at Moorpark College:

Antelope Valley Joint Junior College District (Antelope Valley College)
Butte Junior College District (Butte College)
Cabrillo Junior College District (Cabrillo College)
Cerritos Junior College District (Cerritos College)
Coachella Valley Junior College District (College of the Desert)
Compton Junior College District (Compton College)
Foothill Junior College District (Foothill College, DeAnza College)
Fremont-Newark Junior College District (Ohlone College)
Los Angeles City Junior College District (East Los Angeles College,
Los Angeles City College, Los Angeles Harbor College,
Los Angeles Pierce College, Los Angeles Southwest College,
Los Angeles Trade-Tech College, Los Angeles Valley College,
Northwest Valley College, West Los Angeles College)
Marin Junior College District (College of Marin)
Merced Junior College District (Merced College)
Monterey Peninsula Junior College District (Monterey Peninsula College)
Mt. San Jacinto Junior College District (Mt. San Jacinto College)
Redwoods Junior College District (College of the Redwoods)

Riverside Junior College District (Riverside City College)
Saddleback Junior College District (Saddleback College)
San Francisco Unified School District (City College of San Francisco)
San Joaquin Delta Junior College District (San Joaquin Delta College)
San Jose Junior College District (San Jose City College)
San Mateo Junior College District (Canada College, College of San Mateo,
Skyline College)
Santa Barbara Junior College District (Santa Barbara City College)
Santa Clarita Valley Junior College District (College of the Canyons)
Shasta-Tehama-Trinity Joint Junior College District (Shasta College)
Siskiyou Joint Junior College District (College of the Siskiyous)
Victor Valley Joint Junior College District (Victor Valley College)
West Hills Junior College District (West Hills College)
West Kern Junior College District (Taft College)
Yuba Junior 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 an interview with the Dean of Students, the student must file the application with the Ventura County Junior College District at 71 Day Road, Ventura. If the permit is granted, it will be issued at the District office.

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 not 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 the
Test of English as a Foreign Language
Box 899
Princeton, NJ 08540
3. State a specific degree objective.
4. Submit a letter of recommendation and transcripts from preparatory schools and colleges previously attended.
5. Submit a confidential statement of finance.
6. Complete the Certificate of Eligibility, Form 1-20-A.
7. Submit a health statement from an American physician. This statement must include TB X-ray results.
8. Complete admission tests for placement purposes.

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 at the Records Office (529-2321, extension 255), or by writing to that office. These forms should be returned before August 28 for admission to the fall semester and before January 29 for admission to the spring semester.

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 or not a student may enroll in Moorpark College. However, test scores will, in some instances, determine whether or not 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 Assistant Dean of Students - Counseling, 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, skill, and personal qualities needed in selected vocational fields. Students who intend to transfer to another college at some future date should become aware of the requirements for transfer.

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

5. **REGISTRATION**---Students who have completed the necessary pre-registration requirements (counseling appointment and student body card) may register September 3, 4, and 8.

6. **POLIO AND MEASLES IMMUNIZATION**---Students enrolling at Moorpark College for the first time, under 21 years of age, and who have not attended a California school must show evidence of immunization for measles and polio at the time of registration.

7. **VALIDATION**--On Friday, September 14, day students who have completed their registration process must validate their registration by securing their schedule of classes, student body identification card, and parking permit.
8. **ORIENTATION**--First time freshmen students who have completed less than 15 units of college work should attend a pre-school Orientation program in the Student Dining Commons of the Campus Center on September 14. Validation of registration will follow the program.
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.

A student may add a class to his schedule during the first week of the semester with the approval of his counselor. Commencing with the second week, approval must be obtained from both counselor and instructor.

EXPENSES

There is no tuition fee for students who qualify as legal residents of California. The non-resident tuition fee for the academic year 1970-71 is \$420.00 or \$210.00 per semester. Students taking 7 to 15 units will pay \$14.00 per unit. Those who carry 6 units or less are not 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 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 AIDS

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

NATIONAL DEFENSE STUDENT LOAN (NDSL)

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

WORK STUDY PROGRAM (CWSP)

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

EMPLOYMENT SERVICES

Students seeking part-time or permanent employment should apply at the Placement Office located in the Counseling Center, A-123. 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.

FEDERALLY INSURED LOANS

The Financial Aid Officer will assist students in obtaining funds under the Federally Insured Program. The educational loan is 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. 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. 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 are offered to Moorpark College students, they are announced through the school newspaper and by college divisions.

STUDENT SERVICES AND PROCEDURES

COUNSELING

A variety of counseling services are provided at Moorpark College to assist students during their college career. Counselors are available to help each student make his own important decisions by helping him to 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-155. The college nurse is on duty daily to confer with students regarding health and illness problems. The college physician will be on duty three hours each week for student consultation.

Students who are injured on campus must report the incident to the Health Center. Injured students covered by student insurance must complete a claim form at the Center, or in case of athletic injuries, with the Director of Athletics.

TRANSPORTATION

Ventura County Junior 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 office of the Dean of Students 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 must so indicate to their counselor and complete the necessary forms.

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.

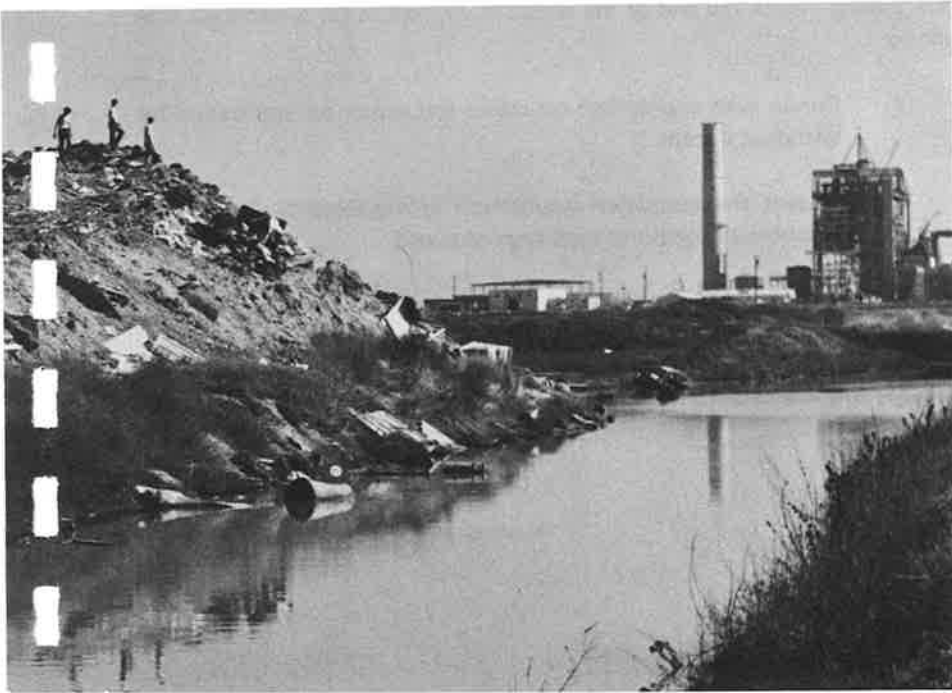
STUDENT ACTIVITIES AND ORGANIZATIONS

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 activity, such as student government, dramatics, music, forensics, athletics, publications, and the club program. It is felt that students availing themselves of these opportunities receive a more complete and rewarding college experience.

SELECTIVE SERVICE

The Dean of Students is the liaison between the college and the Selective Service Administration. Students having special problems in this regard should confer with the Dean of Students.



ACADEMIC POLICIES

GRADES AND GRADE POINT AVERAGE

A student's academic work is considered satisfactory when he maintains an average of "C" or higher. The quality of a student's work is indicated by a grade-point average which is derived from the semester units and grades received. This computation is based upon the following grade points for each semester unit of course work undertaken: A = 4, B = 3, C = 2, D = 1, F = 0, Inc = 0.

Students will receive two grade reports each semester. Mid-term and final grades are distributed by the Records Office.

W'S AND DROPPING A COURSE

A student planning to drop a course during the first six weeks of each semester may do so without prejudice after conferring with his counselor.

After the first six weeks, a student may drop a course with a "W" if passing or an "F" if failing. Written approval must be secured from the counselor and the instructor.

Students will not be permitted to drop courses during the last two weeks of a semester.

INCOMPLETE GRADES

A grade of "I" (incomplete) indicates failure to complete the required work of the course because of extenuating circumstances. The "I" grade will remain on the permanent record until the work has been completed and the instructor changes it or when the transcript is sent to another institution at which time it will be converted to a "W".

REPEATING A COURSE

If a student has already completed a course with a grade of "D" or "F" and wishes to repeat the course, he may do so. A student must confer with the Dean of Students before repeating a course in which he has received a "C" grade or better. Units will be recorded in the grade point count each time a course is attempted.

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. Procedure for withdrawal is as follows:

1. Confer with appropriate counselor and secure an Application for Withdrawal form.
2. Present the completed Application to the Records Office after appropriate signatures have been obtained.

Grades will be recorded according to the rules governing the dropping of courses.

Students will not be permitted to withdraw from college during the last two weeks of a semester.

CREDIT BY EXAMINATION POLICY

The colleges of the District are 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.

DEAN'S LIST

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

PROBATION-DISMISSAL POLICY

A. INTRODUCTION

Probation-dismissal principles and policies are designed to assist students to make progress toward realistic educational, vocational, and personal goals. Each individual 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 of 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 Junior College District college from another college is subject to the same probation-dismissal policies as Ventura County Junior 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 newly entering student who is not a high school graduate shall be placed on probation.
4. 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 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 who, after two semesters of attendance, is deficient 20 grade-points or more, shall be subject to dismissal.
4. 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 Junior College District Board of Trustees confers the Associate in Art 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 Junior 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 2.0 or better. Students who were ineligible for the State college on the basis of their high school record will be admitted to the State college upon completion of 60 units of junior college work and a 2.0 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 2.0 or better. Students ineligible for admission because of high school subject deficiencies may establish eligibility by completing the required courses, maintaining a 2.0 grade-point average. Students who are 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 2.4 or better.

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

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

I. NATURAL SCIENCES

A minimum of 9 units of Natural Sciences with at least one course from each of the following groups and including one laboratory course from either group.

GROUP A

An 1	General Human Anatomy	Bot 1	General Botany
Anthro 1	Physical Anthropology	Bot 3	Plant Identification
Biol 1	Principles of Biology	Env. Sci. 1	Environmental Science
Biol 2A	General Biology	Phys 1	Introduction to Human Physiology
Biol 2B	General Biology	Zoo 3	Biology of the Vertebrates
Biol 3	Marine Biology		

GROUP B

Chem 1A	General Chemistry	Chem 7A	Organic Chemistry
Chem 1B	General Chemistry	Chem 7B	Organic Chemistry
Chem 5	Quantitative Analysis	Chem 12	Elementary Chemistry I

Chem 13	Elementary Chemistry II	Ph 2A	General Physics
Chem 14	Introductory Organic Chemistry	Ph 2B	General Physics
Env. Sci. 1	Environmental Science	Ph 3	The Arts of Experimental Investigation
Geog 1	Physical Geography	Ph 4A	Mechanics of Solids
Geol 2	Physical Geology	Ph 4B	Mechanics of Fluids, Heat and Sound
Geol 2L	Physical Geology Lab	Ph 4C	Electricity and Magnetism
Geol 3	Historical Geology	Ph 4D	Optics and Modern Physics
Geol 15	Mineralogy & Crystallography	Ph 10	Descriptive Physics
Geol 16	Petrology	Ph 11A	Technical Physics
Geol 21	Geology of California	Ph 11B	Technical Physics
Geol 31	Rocks and Minerals	Phys Sci 1	Introduction to Physical Science
Geol 33	Introduction to Geologic Mapping		
Geol 41	Geology of National Parks and Monuments		

II. HUMANITIES

A minimum of 9 units from the Humanities with at least one course from each of the following groups:

GROUP A

Art 1A	Art History	Mus 8	Music Appreciation
Art 1B	Art History	Mus 9A	Music History
Art 2	Art Appreciation	Mus 9B	Music History
Hum 6	Art and the Written Word		

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

III. 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 3	American Government
Pol Sci 2	Comparative Governments	Pol Sci 30	Intro to Public Administration

GROUP C

Anthro 2	Cultural Anthropology	Psych 1A	General Psychology
Econ 1A	Principles of Econ.	Psych 2	Personal & Social Adjustment
Econ 1B	Principles of Econ	Soc 1	Intro to Sociology
Geog 2	Elements of Cultural Geography	Soc 2	Social Problems
Geog 9	Environmental Design: Urban Geog.		
MAS 1	Mexican-American in Contemporary Society		

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

V. ELECTIVES

A minimum of 6 units of course work from any of the courses listed in the four basic areas provided the courses are outside the student's major. Additional courses which may be selected include the following:

All performing Art, Music and Theatre Arts Courses.

Art 4A	Color and Design	Hist 10A	African History
Art 12A	Drawing and Comp.	Hist 10B	African History
Biol 10	Seashore Life	Hist 15A	Intro to History of Asia
Engl 1B	Comp & Lit.	Hist 15B	Intro to History of Asia
For Lan	Foreign Language course	Hist 20	History of American Foreign Policy
Geog 10	Geography of Calif.	Pol Sci 4	International Relations
Hist 1A	Intro to Western Civil.	Pol Sci 7	Minority Group Relations
Hist 1B	Intro to Western Civil.	Psych 1B	Intro to Experimental Psych.
Hist 3	Afro-American History	Psych 3	Personal & Social Adjustment
Hist 8	History of Calif.	Phys Sci 10	Sky and Telescope
Hist 9A	History of the Americas	Soc 4	Marriage & the Family
Hist 9B	History of the Americas		

VI. PHYSICAL EDUCATION & 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 and Courses



AGRICULTURE

Faculty: Donald Anderson, Clinton Schonberger, Richard Spiller
 Counselor: Maynard Sommer

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
Chem 14	Intro Organic Chemistry	4	Math 16A-B	Calculus	3,3
Biol 2A-B	General Biology	4,4	Math 15	Statistics	4
Econ 1A	Principles of Economics	3	Ph 2A-B	General Physics	4,4
Math 3	Intermediate Algebra	4			

ANIMAL HUSBANDRY/AGRI-BUSINESS

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 FOR THE MAJOR

Ag 21	Soils	3
Ag 49	Directed Work Experience in Agriculture	1-3
AB 9	Agriculture Mathematics	
Chem 1 2	Elementary Chemistry	4
Speech 15	Practical Speech	3
Ag 22	Directed Studies in Agriculture	1-2

FORESTRY

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			University of California, Berkeley		
For 1	Intro to Forestry	3	Biol 2A-B	General Biology	4,4
For 2	Natural Resources	3	Chem 1A-B	General Chemistry	5,5
Ag 21	Soils	3	Ph 2A-B	General Physics	3,3
Biol 2A	General Biology	4	Econ 1A-B	Principles of Econ.	3,3
Bot 1	General Botany	5	Geol 2	Physical Geology	3
Bot 3	Plant Identification	4	Geol 2L	Physical Geology Lab	1
Math 7	Col. Alg & Trig.	5	Math 15	Intro Statistics	4
Math 25A	Cal/Analytic Geom.	5	Math 16A-B	Applied Calculus	3,3
Engr 8	Plane Surveying	3	Engr 8	Plane Surveying	3
DP 1	Intro to Data Processing	3			
DP 4A	Computer Program.	3			

RECOMMENDED COURSES IN THE MAJOR

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

LANDSCAPE HORTICULTURE

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 Structures	3
Hort 3	Plant Propagation	3
LH 25A	Turfgrass Management	3
LH 25B	Turfgrass Management	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	3
Hort 6	Landscape Design	3

RECOMMENDED COURSES FOR THE MAJOR

Hort 7	Adv. Nursery Practices	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 2B	General Biology	4
Ent 1	Economic Entomology	3
Bot 3	Plant Identification	4

NATURAL RESOURCES TECHNICIAN

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.

AB 2 - RECORD KEEPING 3 UNITS

Prerequisites: AB 1
2 hours lecture, 3 hours lab weekly

The study of basic record keeping procedures used in production agriculture.

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.

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.

Agron 2 - VEGETABLE CROPS 3 UNITS

Prerequisite: Agron 1 or consent of instructor.
2 hours lecture, 3 hours laboratory weekly.

Economic importance, adaptation, cultural practices, marketing, pest control, calendar of operations, cost analysis of the major representative crops of the area. Environmental relationships, moisture, temperature, general weather influence on crops in the locality.

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.

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

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

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

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

Prerequisites: Consent of instructor and Division Chairman.
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.

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)

AH 3 - SELECTION - LIVESTOCK 3 UNITS

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

Selection 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)

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.

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.

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.

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.



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.

HORT 1 - INTRODUCTION TO HORTICULTURE

3 UNITS

Prerequisites: None

2 hours lecture, 3 hours laboratory weekly.

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

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.

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.

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.

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.

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.

HORT 7 - NURSERY PRACTICE**3UNITS**

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)

LH 23 - LANDSCAPE GARDENING AND MANAGEMENT**3 UNITS**

Prerequisite: None
2 hours lecture, 3 hours laboratory 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.

LH 24 - LANDSCAPE DESIGN FOR HOMES**3 Units**

Prerequisites: None
2 hours lecture, 3 hours laboratory 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.

LH 25A-B - TURFGRASS MANAGEMENT**3-3 Units**

Prerequisites: None for 25A. 25A or consent of instructor for 25B.
2 hours lecture, 3 hours laboratory 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.

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.

ANTHROPOLOGY

Faculty: Norman Alger

Counselor: Maxine Tallman

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.

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)

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)

Anth 22AB - DIRECTED STUDIES IN ANTHROPOLOGY

1-3 Units

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

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

ART

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

Counselor: Carole Ginet

For the student who is interested in art as a career, this curriculum will prepare him for advanced work in an art school, or for further intensive work in the field of his choice. If the student plans to transfer to a university he should consult the catalog of that university for requirements.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State			University of Calif., Santa Barbara		
Art 1A-1B	Art History	3,3	Art 1A-1B	Art History	3,3
Art 4A-4B-4C	Color and Design	2,2,2	Art 4A-4B-4C	Color and Design	2,2,2
Art 12A-12B	Drawing & Comp.	2,2	Art 12A-12B	Drawing & Comp.	2,2
Art 19A	Sculpture	2	Art 19A	Sculpture	2
	(Fine Arts or Crafts option)		Art 16A-16B	Painting	2,2
Art 16A-16B	Painting	2,2			
	(Fine Arts Option)				
Art 8A	Ceramics	2			
	(Ceramics Option)				
Photo 1	Photography	2			
	(Design Option)				

REQUIRED GENERAL EDUCATION COURSES

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

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.

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.

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)

Art 3 - MODERN ART FORMS

3 Units

Prerequisite: Art 2
3 hours lecture

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.

Art 4A-B-C - COLOR AND DESIGN

2-2-2 Units

Prerequisites: Art 4A for Art 4B; Art 4B for Art C
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)

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)

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)

Art 8A-B - BEGINNING CERAMICS**2-2 Units**

Prerequisites: None for 8A; 8A for 8B
6-6 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.

Art 12A-B - DRAWING AND COMPOSITION**2-2 Units**

Prerequisite: 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.

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

Art 13A-B - LIFE DRAWING**2-2 Units**

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

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)

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

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)

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

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.

Art 19A-B - SCULPTURE**2-2 Units**

Prerequisites: None for 19A; 19A for 19B
6-6 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.

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.

Art 22A-B - DIRECTED STUDIES IN ART

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)



BIOLOGICAL SCIENCES

Faculty: Clinton Schonberger, Department Head; David Bishop;
Jack Reynolds; William Brisby; Richard Gilman
Counselor: William Jay

BIOLOGY

The word "biology" is from two Greek words meaning "life" and "science"— or the science of life. This, 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			University of Calif., 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	4,4	Ph 2A-B	General Physics	4,4

REQUIRED GENERAL EDUCATION COURSES

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

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
Math 7	Integ. 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

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

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

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

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

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

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

University of California, 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.

Bac 1 - GENERAL BACTERIOLOGY AND 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.

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).

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.

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

Biol 3 - MARINE BIOLOGY

4 Units

Prerequisites: Biol 2A
3 hours lecture, 3 hours laboratory weekly

An introduction to oceanology with emphasis on the physiological and morphological patterns in representative organisms of the marine environment. An ecological study of marine organisms together with a survey of the vocational and avocational utilization of the oceans.

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.

Biol 22A-B - DIRECTED STUDIES IN BIOLOGY**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.

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)

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.

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

Prerequisite: 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 population control, insecticides, pollution, alkaloids, bio-chemical agents and modern uses of plastics.

Course may be counted as physical science or life science credit in the general education pattern of courses.

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.

ZOO 1A-B - GENERAL ZOOLOGY

5-5 Units

Prerequisite: Satisfactory score on placement test.

Zoo 1A for Zoo 1B

3 hours lecture, 6 hours laboratory

Introduction to animal structures and functions; survey of animal kingdom; biological interactions; comparative functional morphology; Zoo 1A emphasizes invertebrates (except enchinoderms); Zoo 1B emphasizes chordates and echinoderms.

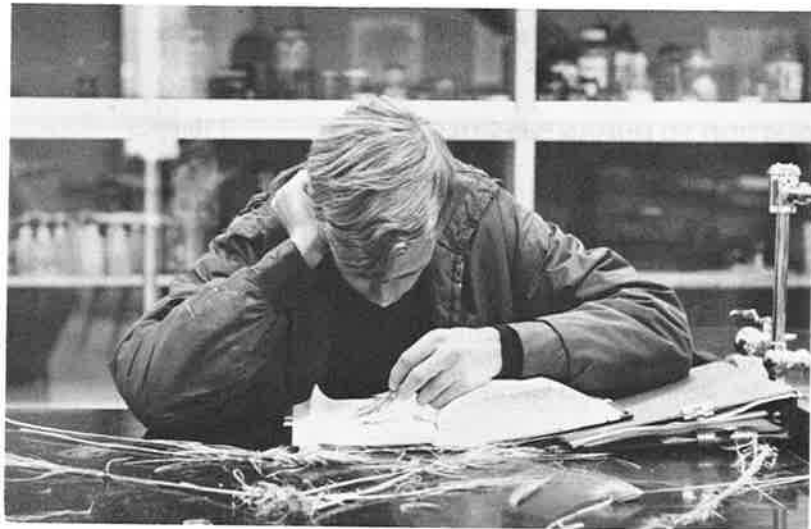
ZOO 3 - BIOLOGY OF THE VERTEBRATES

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

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			University of Calif., Los Angeles		
Broad 1	Intro to Broadcast	3	ThA 2A	Fundamentals of Acting	3
Broad 2	Broadcast Studio		ThA 20A	Theatre Production	2,2
	Operations	3	ThA 21A-B	Theatre Production	
Journ 1	News Reporting	3		Lab	1,1
			Engl 15A-B	English Literature	3,3

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 Basic Review	3,3	Broad 5	Radio-TV Writing	2
			Broad 6A-B	FCC Basic 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 Basic 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	2,2
ThA 21A-B	Theatre Production Lab	1,1
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)

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.

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)

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)

Broad 6A-B - FCC BASIC 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)

Broad 22A-B - DIRECTED STUDIES IN BROADCASTING

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; William Dickneider; Donald Bowen; Richard Perry; Tanya Burke; Marjorie Corbell; Dick Lietzau

Counselor: Gary Brinkman

BUSINESS ADMINISTRATION

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
Bus 33B	Business Law II	3	Math 15	Introductory Statistics	4
Math 7	College Alg/Trig	5	Bus 9A-B	Business Lectures	1
or					
Math 16	Calculus w/Analytic Geom	3			
Bus 9A-B	Business Lectures	1			



BUSINESS MANAGEMENT

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	3
Speech 15	Practical Speech	3
Bus 49A	Directed Work Experience	1-3

INDUSTRIAL SUPERVISION

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 51*	Personnel Management	3
Bus 52*	Labor Management Relations	3
Bus 53*	Cost and Job Control for Supervisors	3
Bus 33A	Business Law I	3
Bus 9A-B	Business Lectures	1
Bus 33A	Business Law I	3
Bus 9A-B	Business Lectures	1
Psych 9B	Psychology of Social Relations	3
Hum 1A-B+	Humanities	6,6

RECOMMENDED COURSES FOR THE MAJOR

Econ 10	American Economy	3
Bus 37	Marketing	3
Bus 10	Accounting for Management	3
Bus 39+	Business Communications	3
Bus 10	Accounting for Management	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

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 Bsuiness	2

RECOMMENDED COURSES FOR THE MAJOR

Bus 40	Personal Finance	3
Orient 5	Career Planning and Employment	1
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

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
HE	Electives	7
Bus 9A-B	Business Lectures	1
Psych 9A	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

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

Bus12A	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

Orient 5	Career Planning and Employment	1
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

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
HE 30	Apparel Selection & Grooming	3
Soc 4	Marriage and 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 Units

Prerequisites: Satisfactory math score or completion of Bus 3 or equivalent.
Grade of C or better in 1A in order to enter 1B.
2 hours lecture, 3 hours laboratory 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 and other students with adequate background. (F,S,Sm)

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.

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)

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 10 -- ACCOUNTING FOR MANAGEMENT

3 Units

Prerequisite: Bus 1A
3 hours lecture weekly.

Special emphasis is placed on the analysis of financial statements, utilizing financial ratios and understanding financial reports such as credit reports, Dun and Bradstreet reports and stock market reports. (S)

Bus 11A -- BEGINNING TYPEWRITING

3 Units

Prerequisites: None.

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.

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.

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 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
2 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. (F, S)

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)

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 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.

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: None (Bus 30 is recommended).
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.

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.

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.

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.

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.

Bus 35 – SALESMANSHIP 3 Units

Prerequisites: None.
3 hours lecture weekly.

Elements of effective salesmanship; sales personality, development of the sales plan, securing prospects, counseling buyers, the demonstration, handling objections, self-management, and public relations.

Bus 36 – RETAIL MERCHANDISING**3 Units**

Prerequisites: None.
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 or Bus 31 (or concurrent enrollment).
3 hours lecture weekly.

Marketing management from the viewpoint of the manager who researches and plans the product, organizes his staff, and controls the sales, advertising, and channels of distribution; case problem approach emphasized.

Bus 38 – ADVERTISING**3 Units**

Prerequisites: None.
3 hours lecture weekly.

Introduction to the field of advertising. Media, budgeting, market research, layout, copywriting, advertising agencies. Student receives actual practice in the planning of an advertising campaign.

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 45 – FINANCIAL INSTITUTIONS**3 Units**

Prerequisites: None.
3 hours lecture weekly.

An introduction to the various types of financial institutions and their role in the modern economy. Covers the function of commercial banks, savings and loan institutions, personal finance companies, insurance companies, escrow companies, and credit unions.

Bus 46 – CREDITS AND COLLECTIONS**3 Units**

Prerequisite: Bus 45 or consent of instructor.
3 hours lecture weekly.

Factors involved in making commercial and personal loans, bases for granting credits, follow-up, collection procedures for current and delinquent loans.

Bus 49A-B – DIRECTED WORK EXPERIENCE IN BUSINESS**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 3 Units

Prerequisites: None
3 hours lecture weekly

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.

Bus 81 - FIRE, MARINE, AND ALLIED LINES INSURANCE 3 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.

CHEMISTRY

Faculty: Eugene Berg, James Lehr; Robert Miller; David Murphy; David Wagner
 Counselor: William Jay

Chemists are concerned with the composition and properties of substances and changes in their composition; they search for new knowledge of the chemistry of matter and for ways of using this knowledge. Chemistry is by far the largest field of employment in the sciences. A wide range of opportunities awaits the chemist in business, industry, government, and in the field of education. Approximately three-fourths of all chemists are employed by private industry in such fields as petroleum, primary metals, electrical equipment, aerospace, paper, food, and rubber. The graduate can find many applications for his training, such as teaching, research, management, production, and sales. Also government agencies of all sorts are in need of personnel with such training.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			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 Eq.	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 13 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.

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. (F,S)

Chem 1Ae GENERAL CHEMISTRY FOR ENGINEERING

4 Units

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

3 hours lecture, 4 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.

Chem 1Be - GENERAL CHEMISTRY FOR ENGINEERING

4 Units

Prerequisites: Chem 1Ae
3 hours lecture, 4 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.

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)

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.

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.

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.

Chem 14 - INTRODUCTORY ORGANIC CHEMISTRY**4 Units**

Prerequisite: Chem 13 or Chem 1A-B
3 hours lecture, 3 hours laboratory weekly.

A course designed for non-science majors or science minors emphasizing topics of organic and biochemistry of interest in Biology, Medicine, Food and Textile Chemistry.

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

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

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

DATA PROCESSING

Faculty: Don Medley, Max Garbutt
Counselor: Maxine Tallman

Designed to prepare students for employment in business utilizing data processing equipment. Training is provided in data processing machines, data processing systems and computer programming. Completion of this curriculum should qualify students for employment as entry-level programmers or as management trainees in stored programming.

REQUIRED COURSES IN THE MAJOR

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	Integrated College Algebra & Trig	5
DP 5	Computer Programming BAL	3
Math 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)

DP 2 – AUTOCODES PROGRAMMING

3 Units

Prerequisites: DP 1 or consent of instructor (Math 3 is recommended)
2 hours lecture, 3 hours laboratory weekly.

Familiarization with basic programming principles using a symbolic language to solve business data processing problems.

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.

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)

DP 5 - COMPUTER PROGRAMMING BAL

3 Units

Prerequisites: DP 4A and DP 4B or approval of the instructor. High School algebra or May 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.

DP 6 – DATA PROCESSING SYSTEMS

4 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)

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

The basic operation principles of the IBM 029 keypunch with laboratory experience on the equipment.

DP 22A-B - DIRECTED STUDIES IN DATA PROCESSING **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: Kenneth Ainge, William Dickneider, William Lawson, Richard Moore.

Counselor: Gary Brinkman

The major in economics is designed for students interested in an understanding of the operation of our economy and the operation of the business firm. The economic major leads to careers in industry or government, to graduate study in the field of economics, to professional careers as economists and to careers in teaching. The major also offers valuable preparation for careers in law and journalism.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of California, Santa Barbara		
Econ 1A-1B	Principles of Economics	3,3	Econ 1A-1B	Principles of Economics	3,3
Bus 1A-1B	Accounting Principles	3,3	Math 15	Introductory Statistics	4
Math 12	Coll Algebra/w Bus. Appl.	3 3	Math 25A	Calculus with	
Math 14	Finite Math	3		Analytical Geom	5

REQUIRED GENERAL EDUCATION COURSES

Phil 1A	Introduction to Philosophy	3			
or					
Math 14	Finite Math	3	For Lan	Foreign Language	(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.

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

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 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

COURSES IN EDUCATION

Ed 1A-B - INSTRUCTIONAL SKILLS

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 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 49 A-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; John Thomsen; Ray Hobson
Counselor: William Jay

ARCHITECTURE

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

The field of applied design includes Technicians, Draftsmen, and Engineering Aides performing tasks related to the design and preparation for manufacturing of mechanical and electromechanical products. Two options are offered: Mechanical Design and Industrial Design. The mechanical designer assists in the design of mechanical components and assemblies, while the industrial designer works in the preparation for manufacturer and sale of the products.

REQUIRED COURSES IN THE MAJOR					
Core		Mechanical Option			
ET 1	Technical Orientation	½	ET 31	Mechanics	3
ET 3	Graphics and Engineering Sketch	3	ET 32	Strength of Materials	3
ET 10A	Electromechanical Drawing	3	ET 34	Hydraulics	3
ET 11	Machine Design	2			
ET 14	Technical Illustration	2	Industrial Option		
ET 30	Technical Materials	3	Art 4A	Color and Design	2
ET 60	Intro to Production		Art 4B	Color and Design	2
Math 7	College Algebra w/Trig	5	Bus 37	Marketing	3
Math 8 A-G	Programmed Topics in Math	4			
Ph 11A-B	Technical Physics	4,4			

RECOMMENDED COURSES FOR THE MAJOR

Math 16A	Applied Calculus	3
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Successful completion of 31½ units and proficiency tests results in an Applied Design Technology Certificate.

APPLIED ELECTRONICS TECHNOLOGY

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	Technical Orientation	½
ET 2	Mechanical Drafting I	3
ET 10A	Electromechanical Drawing	3
Et 10B	Electromechanical Drafting II	3
ET 23A-B	Applied Electronics I and II	5,5
ET 23C-D	Applied Electronics III and IV	5,5
Math 45	Slide Rule	1
ET 28	Electronic Measurements	2
ET 29	Electronic Projects	2
Math 8A-G	Programmed Topics in Math	4

Successful completion of 32 units and proficiency tests results in an Applied Electronics Technology Certificate.

CONSTRUCTION TECHNOLOGY

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	Technical Orientation	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 8A-G	Programmed Topics in Math	4
Math 45	Slide Rule	1

RECOMMENDED COURSES FOR THE MAJOR

ET 18	Drafting Projects	2
LH 24	Landscape Design	3

ELECTRONICS ENGINEERING TECHNOLOGY

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			California State Polytechnic College		
ET 1	Technical Orientation	½	ET	Technical Orientation	½
ET 20A-B	Principles of Electronics	5,5	ET 20A-B	Principles of Electronics	5,5
ET 20C-D	Principles of Electronics	5,5	ET 20C-D	Principles of Electronics	5,5
ET 28	Electronic Measurement	2	ET 28	Electronic Measurement	2
ET 10A	Electromechanical Drawing	3	ET 10A	Electromechanical Drawing	3
Math 7	College Algebra w/Trig	5	Math 7	College Algebra w/Trig	5
Math 8A-G	Programmed Topics in Math	4	Math 8A-G	Programmed Topics in Math	4
Math 16A	Applied Calculus	3	Math 16A	Applied Calculus	3
Ph 11A-B	Technical Physics	4,4	Ph 11A-B	Technical Physics	4,4

ENGINEERING

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			University of California, Los Angeles		
Engr 1	Engineering Orientation	½	Engr 1	Engineering Orientation	½
Engr 4	Intro to Engineering Design	3	Engr 4	Intro to Engineering Design	3
Engr 6	Engineering Analysis	3	Engr 6	Engineering Analysis	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
Ph 4D	Optics & Modern Physics	3	Ph 4D	Optics & Modern Physics	3
Chem 1Ae-1Be	General Chemistry	4,4	Chem 1Ae-1Be	General Chemistry	4,4

COURSES IN ENGINEERING/ENGINEERING TECHNOLOGY

Engr 1 - ENGINEERING ORIENTATION

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)

Engr 4 - INTRODUCTION TO ENGINEERING DESIGN

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. Field trips.

Engr 6 - ENGINEERING ANALYSIS

3 Units

Prerequisite: Math 25B (concurrent)
2 hours lecture, 3 hours laboratory weekly.

Methods of analysis as applied to engineering problems. Introduction to discrete and continuous probability models, distribution functions, and their parameters within the context provided by examples of random phenomena in engineering. Description, programming, and utilization of digital computers with emphasis on the solution of engineering problems. Students will prepare code, and run problems on a digital computer.

Engr 8 - PLANE SURVEYING

3 Units

Prerequisite: Math 2 or Math 5 (Concurrent) 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.

Engr 12 - ENGINEERING STATICS

3 Units

Prerequisite: Engr 4, Math 25B
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.

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.

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.

Engr 45 - SLIDE RULE**1 Unit**

Prerequisites: Math 8F 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 - TECHNICAL ORIENTATION**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)

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)

ET 3 – GRAPHICS AND ENGINEERING SKETCHING**3 Units**

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

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

ET 4 – BLUEPRINT READING**2 Units**

Prerequisite: ET 2 or consent of instructor.
1 hour lecture, 3 hours laboratory weekly.

The interpretation of mechanical drawings typical of the field of metal workings; theory of common types of projections, dimensioning principles, and machine standards; application by creative sketching and by interpretation of blueprints; emphasis on the various technical fields.

ET 6AB – FCC BASIC 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.



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.

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.

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.

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.

ET 20A – PRINCIPLES OF ELECTRONICS I**5 Units**

Prerequisites: Math 2 and 3 (concurrent) or Math 8ABCDEF (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.

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.

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.

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 analogue computers. Power systems. Lab emphasizes applications of the above techniques plus the interconnection of simple circuits into electronic systems.

ET 22A-B - DIRECTED STUDIES IN TECHNOLOGY**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.

ET 23A – APPLIED ELECTRONICS I**5 Units**

Prerequisites: ET 51A (concurrent) or Math 8ABCDEF (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.

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.

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.

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.

ET 28 – ELECTRONIC MEASUREMENTS**2 Units**

Prerequisites: ET 20B or ET 23B (or concurrent enrollment)
1 hour 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.

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.

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.

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.

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.

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.

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 ELECTRONICS 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 51A - ELECTRONIC CALCULATIONS I**3 Units**

Prerequisites: None.
3 hours lecture weekly.

Review of basic mathematical skills; integers, decimals, and fractions. Introduction to algebra, geometry, and trigonometry as applied to electronic calculations. Ohm's Law. Determinants as applied to Kirchoff's Laws. Introduction to Boolean Algebra.

ET 51B – ELECTRONIC CALCULATIONS II**3 Units**

Prerequisites: ET 51A or Math 8 ABCDEF
3 hours lecture weekly.

Applications of mathematics to electronics. Review of algebra, trigonometry and geometry. Vector algebra; introduction to technical calculus. Introduction to probability and statistics. Electronic examples.

ET 60 - INTRODUCTION TO PRODUCTION SYSTEMS**3 Units**

Prerequisite: None
3 hours lecture weekly.

Introduction to production techniques: machine tools, automation, production data processing. Operations research fundamentals; human factors. Guest speakers from industry.

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

Prerequisite: Consent of instructor.
3 hours lecture weekly.

Testing of plastic materials and components to military specifications; quality control of plastics. Reinforced fiberglass; injection molding processes.

ET 63B – PLASTICS TECHNOLOGY II**3 Units**

Prerequisites: ET 63A
3 hours lecture weekly.

Testing of plastics materials and components. Quality control of plastics. Reinforced plastics; lamination design; injection molding, blow molding, vacuum forming; release agents. Safety and personal hygiene.

ET 68 – QUALITY CONTROL I**3 Units**

Prerequisite: ET 28
2 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.

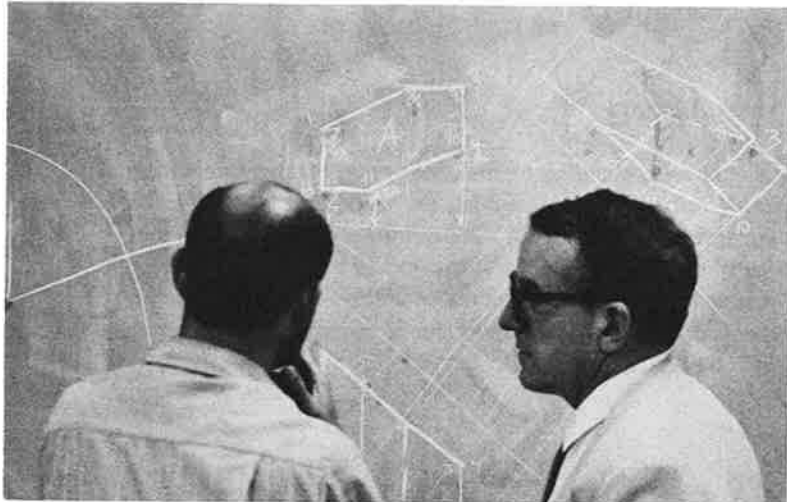
Fundamentals of engineering as applied to quality control of problems and procedures as well as a study of related basic quality control manuals and government publications.

ET 72 -- INTRODUCTION TO METEOROLOGY

3 Units

Prerequisites: None
3 hours lecture weekly.

Introduction to meteorological phenomena: solar energy; atmospheric circulation; precipitation, terrain effects; interrelationships between land, sea and atmosphere. The effects of weather on our environment. Introduction to meteorological instrumentation and reporting. Interpretation of data. (Co-number Geography 5)



ENGLISH

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

Counselor: Carole Ginet

Aristotle points out that history is concerned with facts, while philosophy is concerned with theory, and that it is in literature that precepts and concepts are viewed at once. Poets, writers of fiction, and dramatists are the pulse of the time. The field of literature is concerned with the psychology of the human condition, a sensitivity to the beauties, innuendoes, and ironies of language, and a critical understanding of great books. Classics have been defined as "Books that everyone wants to have read, but no one wants to read." In the study of literature, the great books are read and evaluated. Career opportunities include teaching, journalism, criticism, free-lance writing, radio and television writing, and trade publication work.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of California, Los Angeles		
Engl 1	Composition & Lit	3,3	Engl 1	Composition & Lit	3,3
Engl 15A-B	English Literature	3,3	Engl 15A-B	English Literature	3,3

REQUIRED GENERAL EDUCATION COURSES

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

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

COURSES IN ENGLISH

Engl 1 - LITERATURE AND WRITTEN EXPRESSION

1½ Unit

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 three-unit English 1A course; four English 1 courses are equivalent to the traditional English 1A and 1B courses (6 units).

English 1-1: Composition/Poetry

1-2: Composition/ Short Story

1-3: Composition/Novel

1-4: Composition/Drama

1-5: Composition/Essay

1-6a: Composition/English Focus--Rites of Passage

(Deals with the literature of birth, puberty, and death now and in the past)

1-6b: Composition/English Focus--Existentialism in Literature

(Explores themes and topics as expressed in modern American and European literature.)

1-6c: Composition/English Focus--Satire

(Looks at the art of comic ridicule from examples both past and present.)

1-6d: Composition/English Focus--Modern Poetry

(Scrutinizes current trends in poetry and traces antecedents.)

1-6e: Composition/English Focus--Christian Literature

(Studies the Bible and other related works as truth, fact, and allegory.)

1-6f: Composition/English Focus--Shakespeare

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

1-6g: Composition/English Focus--Utopian Literature

(Samples the ideals and hopeful plans of a select group of dreamers.)

1-6h: Composition/English Focus--Of Men and the Sea

(Explores man's relationship with the sea as represented in various plays, stories, and poems.)

1-6i: Composition/English Focus--Mythology

(Studies myth and its connection with man and society in major literature works.)

1-6j: Composition/English Focus--Cinema

(Explores examples of the cinematic art which you talk about, write about and mirror.)

1-6k: Composition/English Focus--Comedy

(Captures Flastaff, Natty Bumppo, Lenny Bruce and others as best it can.)

NOTE: Humanities 6 also offers English 1 credit (See page 133)

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.

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.

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.)

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

Prerequisite: Engl 1
3 hours lecture weekly.

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

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.

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.

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.

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.

Engl 22A-B - DIRECTED STUDIES IN ENGLISH**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.

Eng 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)

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.

Engl 31 - MASTERPIECES OF WORLD LITERATURE

3 Units

Prerequisite: Engl 1
3 hours lecture weekly.

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

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.

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.

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

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. (Co-number MAS 6)

Engl 46 - AFRO-AMERICAN LITERATURE IN ENGLISH

1 Unit

Prerequisite: None
3 hours lecture weekly. (6 weeks)

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.

Engl 47 - LITERARY IMAGERY AND SENSORY AWARENESS 1 Unit

Prerequisites: None

3 hours lecture weekly. (6 weeks)

A detailed study in sensory awareness as demonstrated by the poetic, philosophical, and psychological materials of a few selected authors which make strongly manifest sensory intuition. Major emphasis is placed upon reading and experiments which aid the student in esthetic and physical perception.

Engl 48 - LITERATURE OF MASS COMMUNICATION 1 Unit

Prerequisites: None

3 hours lecture weekly. (6 weeks)

A critical probe into the immediate as well as future implications of a sensate cultural system brought about by electronic technology. Principal concern is with the esthetic and physical implications of mass media as represented by the cinema, radio, television, and record industry. Study of the ideas of Marshall McLuhan and their relevance.



FIRE SCIENCE

Counselor: Ray Hearon

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	

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 - 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

2 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
2 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 2 Units

Prerequisites: FSc 90 and 91, or consent of instructor.
2 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.

FOOD SERVICE 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 positions 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.

REQUIRED COURSES IN THE MAJOR

FSM 1*	Introduction To Food Service	1
FSM 11*	Restaurant Operations	3
FSM 14*	Food Purchasing	3
FSM 10A+	Quantity Food Preparation	4
FSM 12*	Menu Making	1
FSM 15*	Hotel and Restaurant Sanitation	1
FSM 10B+	Quantity Food Preparation	4
FSM 49A+	Directed Work Experience	1-3
Bus 40	Personal Finance	3
HE 10	Nutrition	3
Bus 7	Calculating Machines	3
FSM 17	Institutional Food Service	3
FSM 18*	Food and Beverage Control	3
FSM 19*	Food and Beverage Management and Service	3

RECOMMENDED COURSES FOR THE MAJOR

Orient 5	Career Planning and Employment	1
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 FOOD SERVICE 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 FOOD SERVICE 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 FOOD SERVICE MANAGEMENT

FSM 1 - INTRODUCTION TO FOOD SERVICE

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.

FSM 10A-B - QUANTITY FOOD PREPARATION

4-4 Units

Prerequisites: None
1-1 hour lecture, 9-9 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.

FSM 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.

FSM 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)

FSM 14 - FOOD PURCHASING

3 Units

Prerequisites: FSM 11, 10A and 10B
1 hour lecture weekly

This course provides training in the duties, organization, and policies of the purchasing function in a food service 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.

FSM 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.

FSM 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.

FSM 17 - INSTITUTIONAL FOOD SERVICE**3 Units**

Prerequisite: FSM 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)

FSM 18 - FOOD & BEVERAGE COST CONTROL**3 Units**

Prerequisites: FSM 11, FSM 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.

FSM 19 - FOOD AND BEVERAGE MANAGEMENT AND SERVICE 3 Units

Prerequisites: FSM 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.

FSM 22A-B – DIRECTED STUDIES IN FOOD SERVICES**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 Food Service Management on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units.

FSM 49A-B – DIRECTED WORK EXPERIENCE IN FOOD SERVICE 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 food service management policies, programs, practices, procedures and operations. Maximum of 6 units. (F,S)

FRENCH

Faculty: Philip Houser
Counselor: Carole Ginot

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.

Training in the basic principles of grammar and pronunciation; development of the ability to understand and to express French in oral and written form; extensive use of the language laboratory. All students will be expected to spend an additional hour per week of study in the language laboratory. (Fr 1A-F, Fr 1B-s)

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 basic grammar and composition; 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)

Fr 22A-B - DIRECTED STUDIES IN FRENCH

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.

GEOGRAPHY

Faculty: Roger Boedecker

Counselor: William Jay

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
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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)

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)

Geog 5 - INTRODUCTION TO METEOROLOGY 3 Units

Prerequisite: None
3 hours lecture weekly.

Introduction to weather observation; the effects of weather on our environment. Meteorological instrumentation and reporting. Interpretation of data. Co-number ET 72. (F)

Geog 9 - ENVIRONMENTAL DESIGN: URBAN GEOGRAPHY 3 Units

Prerequisites: Satisfactory score on placement test; a course in Political Science or sociology
3 hours lecture weekly

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

Geog 10 - GEOGRAPHY OF CALIFORNIA 3 Units

Prerequisites: None
3 hours lecture weekly.

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

Geog 11 - GEOGRAPHY OF WORLD AFFAIRS

3 Units

Prerequisites: None
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. Not designed to transfer.

Geog 22A-B - DIRECTED STUDIES IN GEOGRAPHY

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.

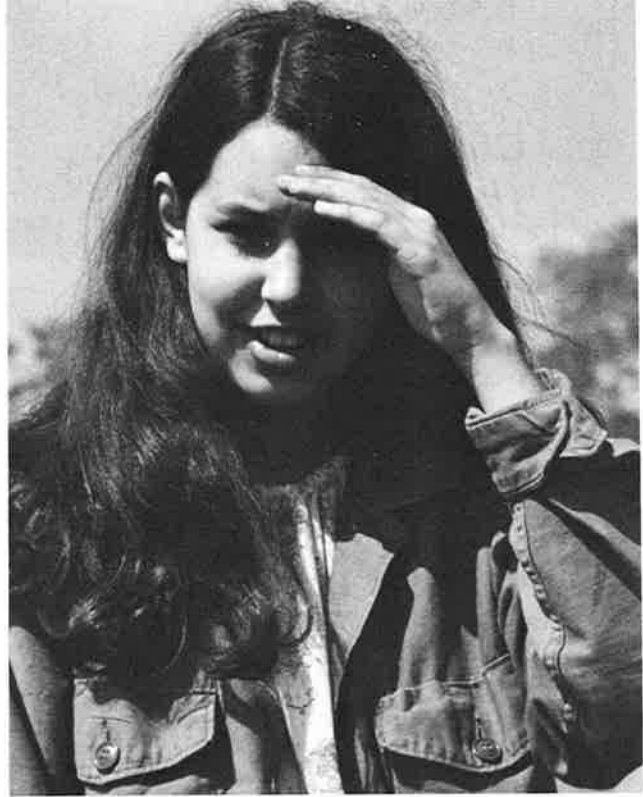
Designed for selected students who are interested in furthering their knowledge of geography on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units. (F)





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GEOLOGY

Faculty: Dorothy Sarnecky

Counselor: William Jay

Geology is the science of the earth, and the student in this subject is engaged in one of the most fascinating of endeavors. Geologists study the earth's history, structure, and composition as revealed by rock formations and by animal and vegetable fossils. They search for fuels, minerals, and water supplies. The geologist may enter a career in such industries as mining and petroleum, work with such governmental agencies as the geological or geodetic surveys, or 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	1

RECOMMENDED COURSES FOR THE MAJOR (AA)

Math 45	Slide Rule	1
Math 8D	Triangular Trig	$\frac{1}{2}$
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

Prerequisite: , 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)

Geol 2L - PHYSICAL GEOLOGY LABORATORY

1 Unit

Prerequisite:
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)

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)

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)

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)

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)

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

Prerequisites: Concurrent enrollment in Petrology and 9 additional units in Geology, including Mineralogy and Historical Geology; consent of instructor.

1-3 hours tutorial weekly.

Directed studies in geologic mapping and related projects for Geology majors. Maximum of six units.

Geol 31 - ROCKS, MINERALS AND MAPS 2 Units

Prerequisites: Satisfactory score on placement test.

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)

Geol 33 - INTRODUCTION TO GEOLOGIC MAPPING 1 Unit

Prerequisites: 4 units of Geology, including Geol 2L

3 hours 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: Satisfactory score on placement test.

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)

GERMAN

Faculty: Jane Chapman (on leave; Fall semester), Maris Ward
Counselor: Carole Ginet

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

Training in pronunciation, comprehension, basic conversation, elementary principles of grammar, reading of prose, and simple composition; progress in oral-aural techniques emphasized throughout the course, supplemented by use of audio-lingual tapes in language laboratory; reading and writing stressed in latter part of course. All students will be expected to spend an additional hour per week of study in the language laboratory. (F,S)

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

Intensive review of grammar; emphasis on expansion of listening and reading comprehension through hearing and reading samples of German literature, i.e., short stories, essays, poetry, and novels; further development of oral and written fluency through class discussion, individual speeches, and written reports. All students will be expected to spend an additional hour per week of study in the language laboratory (2A-F, 2B-S)

Ger 22A-B - DIRECTED STUDIES IN GERMAN

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)

GRAPHIC ARTS

Faculty: Tanya Burke, Ray Hobson

Counselor: Gary Brinkman

The Graphic Arts curriculum is designed to prepare students for employment in all aspects of offset - Graphic Arts and, in addition, for management roles in the same vocation.

REQUIRED COURSES IN THE MAJOR

GA 1	Introduction to Graphic Arts	3
GA 5	Copy Paper and Composer Systems	3
GA 6	Process Camera	3
GA 8	Lithography	3
Bus 30	Introduction to Business	3
Bus 38	Advertising	3
Bus 3	Accounting	3
Bus 44	Business Math	3

RECOMMENDED COURSES FOR THE MAJOR

Art 4A	Color and design	2
Photography 1	Beginning Photography	2
Journalism 1	Newswriting and reporting	3
Bus 39	Business Communications	3
Econ 10	American Economy	3

COURSES IN GRAPHIC ARTS

GA 1A-B – INTRODUCTION TO GRAPHIC ARTS

3,3 Units

Prerequisites: None
3 hours lecture weekly.

An orientation to the concepts in Graphic Arts with an over-view of printing practices, design, layout, composition, press work, binding, process camera, and related items.

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

Prerequisites: GA 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.

GA 6A-B – PROCESS CAMERA

3,3 Units

Prerequisites: GA 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.

GA 8A-B – LITHOGRAPHY

3,3 Units

Prerequisites: GA 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.



HISTORY

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

Counselor: Maxine Tallman

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			University of California, Los Angeles		
Hist 1A-1B	Intro to West. Civ	3,3	Hist 1A-1B	Intro to West. Civ	3,3
Hist 7A-7B	Soc/Pol Hist. of US	3,3	Hist 7A-7B	Soc/Pol Hist. of US	3,3
Hist 9A	Hist of the Amer.	3	Hist 9A	History of the Amer.	3
	or			or	
Hist 10A	African History	3	Hist 15A	Intro to Hist of Asia	3
	or				
Hist 15A	Intro to Hist of Asia	3			

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)

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.

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.

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)

Hist 7A - SOCIAL AND POLITICAL HISTORY OF THE UNITED STATES* 3 Units

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

English colonization in North America, the American Revolutionary experience, emergence of the new nation, Manifest Destiny, the sectional struggle and Civil War.

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)

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.

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)

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)

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.

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. (Not to be offered 1970-71)

Hist 20 - HISTORY OF AMERICAN FOREIGN POLICY

3 Units

Prerequisites: Hist 7A and 7B, or Hist 5
3 hours lecture weekly.

A survey of the history of American foreign policy and role in world affairs beginning with the colonial era and continuing up to the present. Domestic as well as foreign sources of policy and crisis will be considered. The origins and background of continuing and current foreign policy issues will be brought out. (S)

Hist 22AB – DIRECTED STUDIES IN HISTORY

1-3 Units

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

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

HOME ECONOMICS

Faculty: Judy Crowe, Polly Stringer, Joan Calkins

Counselor: Maxine Tallman

Home Economics curriculum patterns are designed to stimulate personal development, creativity and effective home management. In addition to preparation for a career, curricula are planned to develop techniques and skills beneficial in family and social life. Courses deal with physical, psychological, aesthetic, and economic aspects significant to our changing society.

REQUIRED COURSES IN THE MAJOR

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

REQUIRED GENERAL EDUCATION COURSES

Chem 12	Elementary Chemistry II	4	Chem 1A	General Chemistry	5
Chem 13	Elementary Chemistry II	4	Chem 1B	General Chemistry (Foods and Nutrition Option)	5
Chem 14	Intro Organic Chemistry	4	Chem 7	Organic Chem	5
Biol 2A	General Biology	4	Biol 2A	General Biology	4
Art 4A	Color and Design	2	Psych 2	General Psychology	3
Journ 1	News Reporting and Writing (Industrial Option)	3	Econ 1A	Principles of Economics	3
Bus 1A	Accounting Principles	3	Soc 1	Intro to Sociology	3
Econ 1A	Principles of Economics	3	Speech 1	Intro to Speech	3
Econ 1B	Principles of Economics	3	Art 2	Art Appreciation	3
Soc 1	Intro to Sociology (Dietetics Option)	3	Anth 2	Cultural Anthropology (Textiles Option)	3

HOME ECONOMICS-AIRLINE HOSTESS

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 Care and Development	3
Spch 15	Practical Speech	3
HS 5	Safety & First Aid	2
Geog 11	Geography of World Affairs	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	
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 Care and Development	3
HE 58*	Observation In The Nursery School	3
HE 59*	Directed Teaching In The Nursery School	3
HE 60	Child Family and Community	3
HE 61A-B+	Nursery School Programs	3
HE 62*	Nursery School Administration	3
Speech 15	Practical Speech	3
HS 5	First Aid and Safety	2
HE 63	Music In The Pre-School	2
or		
HE 64	Art In The Pre-School	2
or		
HE 65	Science In The Pre-School	2
or		
HE 66	Literature In The Pre-School	2
or		
HE 77	Creative Movement In The Pre-School	2

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 9A	Personal Assessment	3
Psych 3	Personal & Social Adjustment	3

*A student currently employed in the field may receive an In-service Certificate in NURSERY SCHOOL EDUCATION upon successful completion of the courses marked * and 6 additional units in General Education, for a total of 21 units.

+A student not currently employed in the field may receive a Pre-service Certificate in NURSERY SCHOOL EDUCATION 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 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.

HE 5 – HOME FURNISHINGS

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)

HE 6A-B – HOME FURNISHINGS LABORATORY

1-2 Units

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

Construction of slip covers, draperies, bed spreads, 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)

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.

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 Units**

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

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.

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**2 Units**

Prerequisites: None

1 hour lecture, 3 hours laboratory weekly.

Applications of the principles of design and color harmonies in selection of clothing. Wardrobe and personal grooming and analysis is coordinated pertaining to individual skeletal structure, personality and individual requirements.

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)

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)

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 students to create original patterns and garments of appropriate fabrics.

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 16 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 49 A-B - DIRECTED WORK EXPERIENCE
IN HOME ECONOMICS****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 CARE AND DEVELOPMENT**3 Units**

Prerequisites: None

3 hours lecture, 1 hour laboratory 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.

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 59 – DIRECTED TEACHING IN THE NURSERY SCHOOL**3 Units**

Prerequisite: HE 58 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 campus nursery school setting.

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.

HE 61 A-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.

HUMANITIES

COURSES IN HUMANITIES

Hum 1A-B - MAN IN SOCIETY

6-6 Units

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

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 human movement, musical, dramatic, and environmental 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

1½ Units

Staff: Richard Black, John Hanft, Earl Owen

Prerequisites: None

3 hours lecture weekly (8 weeks)

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 of all of the evenings.

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

9-9 Units

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

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.



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 1A or 1B and Art 205 at San Fernando Valley State College.

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 & language. Student projects and productions are important. Designed for cinema majors.

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		University of Southern California			
Journ 1	News Reporting	3	Journ 1	News Reporting	3
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
Ga I	Intro to Graphic Arts	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)

Journ 2 - WRITING FOR MAGAZINES

3 Units

Prerequisite: None

2 hours lecture, 3 hours laboratory weekly.

The writing of feature articles as used in magazine 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 relates to the magazine production.

Journ 22A-B - DIRECTED STUDIES IN JOURNALISM

1-3 Units

Prerequisites: A course in the specific field and the consent of the
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)

LAW ENFORCEMENT

Faculty: Jack Fleming, Coordinator; James Lane; Richard Perry
Counselor: Dr. Ray Hearon

LAW ENFORCEMENT--POLICE SCIENCE

The police science program offers comprehensive training for a professional career in law enforcement and allied fields. This program is designed for majors in law enforcement expecting to transfer to a state college with a major in Police Science, Police Administration or Criminology, or Correctional Administration.

REQUIRED COURSES IN THE MAJOR

Fresno State College			California State College, Los Angeles		
LE 1	Intro to Law Enforcement	3	LE 1	Intro to Law Enforcement	3
LE 9	Firearms	1	LE 4	Criminal Law	3
LE 10A	Patrol Procedures	3	LE 8	Criminal Evidence	3
LE 13	Traffic Control	3	LE 15	Administration of Justice	3
Photo 1	Beginning Photography	2	LE 10B	Criminal Investigation	3
LE 25	Rescue First Aid	2	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 Speaking	3

LAW ENFORCEMENT-- CORRECTIONAL ADMINISTRATION

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 6	Interpersonal Relations	3
LE 7	Minority Group Relations	3	CA 7	Interviewing, Counseling & Tutoring	3
LE 14	Juvenile Procedures	3			
LE 15	Administration of Justice	3	CA 8	Techniques of Group Counseling	3

REQUIRED GENERAL EDUCATION COURSES

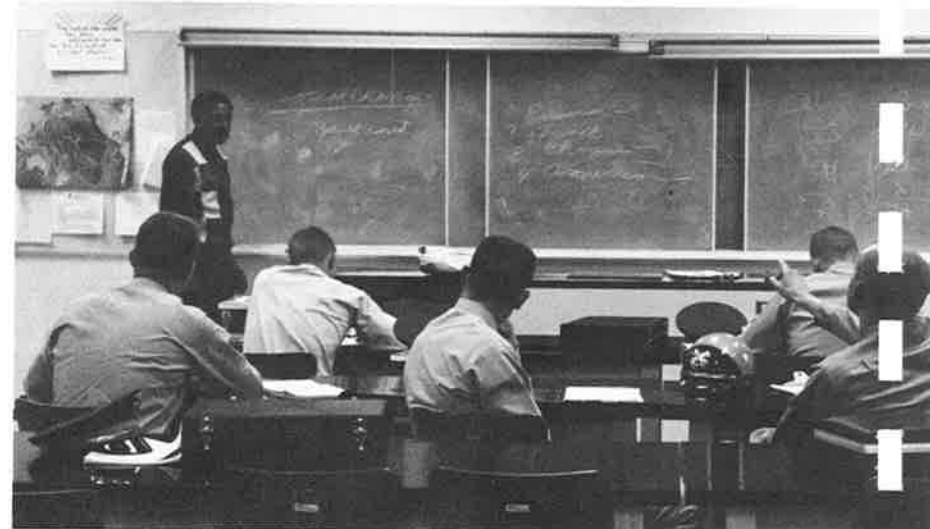
Science		9
Engl		6
Hist	United States History	3
PSC 3		3
Art/Mus		3
HS 1	Health and Society	2
Hum Elec.		3
Basic skills elec.		3

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

**Will satisfy basic skills elective



CORRECTIONAL ADMINISTRATION

Two Year Program

REQUIRED COURSES IN THE MAJOR

LE 4	Criminal Law	3	CA 6	Interpersonal Relations	3
LE 7	Minority Group Relations	3	CA 7	Interviewing, Counseling & Tutoring	3
LE 14	Juvenile Procedures	3			
LE 15	Administration of Justice	3	CA 8	Techniques of Group Counseling	3

RECOMMENDED COURSES FOR THE MAJOR

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

LAW ENFORCEMENT--PEACE OFFICER

The field of law enforcement provides many rewarding and responsible positions for both men and women law enforcement officers. This program meets the California State requirements for the Peace Officers Standard Training (POST).

REQUIRED COURSES IN THE MAJOR

LE 1	Introduction to Law Enforcement	3
LE 4	Criminal Law	3
LE 8	Criminal Evidence	3
LE 15	Administration of Justice	3
LE 9	Firearms	1
LE 7	Minority Group Relations	3
LE 10A	Patrol Procedures	3
LE 10B	Criminal Investigation	3
LE 13	Traffic Control and Investigation	3
LE 14	Juvenile Procedure	3
LE 12	Defense Tactics	½
LE 25	Rescue First Aid	2

RECOMMENDED COURSES FOR THE MAJOR

LE 18	Narcotics Investigation	3
LE 19	Vice Control	3
LE 20	Police Administration	3
LE 27	Civil Duties and Procedures	3
Photo 1	Beginning Photography	2
Bus 11A	Beginning Typewriting	3
Pol Sci 10	Introduction to Public Administration	3
LE 50	Law Enforcement Institutes	1
LE 5	Investigative Report Writing	1

LAW ENFORCEMENT-- PROBATION AND PAROLE ASSISTANT

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

LE 4	Criminal Law	3
LE 1	Introduction to Law Enforcement	3
LE 15	Administration of Justice	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 25	Rescue First Aid	2

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.

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.

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.

2 hours lecture, 3 hours laboratory 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.

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 shotgun.

LE 10A – PATROL PROCEDURES**3 Units**

Prerequisite: LE 4 or consent of instructor.

3 hours lecture weekly.

Responsibilities, techniques, and methods of police patrol.

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.

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.

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.

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 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 22A-B - DIRECTED STUDIES IN LAW ENFORCEMENT**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 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 units

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 49A-B - DIRECTED WORK EXPERIENCE IN
LAW ENFORCEMENT****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**CA 6 - INTERPERSONAL RELATIONS****3 Units**

Prerequisites: None
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:

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.

LEADERSHIP 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.

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.

LIBRARY TECHNOLOGY

Faculty: John Hurley, Michael Slama

Counselor: Maxine Tallman

There are good career opportunities in college, public, school, industry and government libraries for people specially trained in library work. Moorpark College offers programs to prepare for a library career as a Library Technician in the areas of Acquisitions, Cataloging, Loans, Reference, Audio-visual and Automation. For those students who wish to become librarians, Moorpark College offers a liberal arts program, transferable to the state colleges.

REQUIRED COURSES IN THE MAJOR

LT 1	Introduction 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	2-3

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 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: Max Garbutt; James Gayle; William Jay; Floyd Martin;
 Harold Meyer; 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

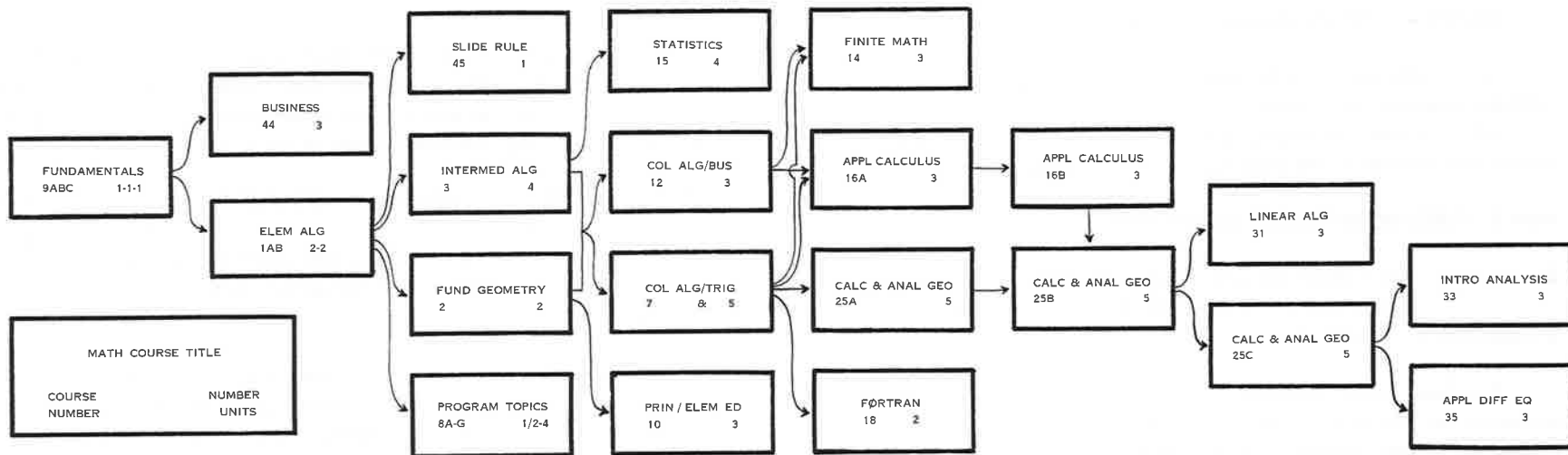
San Fernando Valley State College			University of California, Los Angeles		
Math 25A	Calculus/Analytic		Math 25A	Calculus/Analytic	
25B-C	Geometry	5,5,5	25B-C	Geometry	5,5,5
Math 31	Intro to Linear Alg	3	Math 31	Intro to Linear Alg.	3
Ph 4A	Mechanics of Solids	3	Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics 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

RECOMMENDED GENERAL EDUCATION COURSES

Math 35	Applied Differential Equations	3	For Lan	Foreign Language	4,4,4
Math 15	Intro Statistics	4	Math 35	Applied Differential Equations	3
Math 18	Computer Programming Fortran	2	Math 15	Intro Statistics	4
Math 33	Intro to Analysis	3	Math 18	Computer Programming Fortran	2
Ph 4D	Optics & Modern Physics	3	Math 33	Intro to Analysis	3

The following information offers guidelines for enrollment in mathematics courses.

The flow chart shown below illustrates the overall mathematics program as well as the various sequences of courses which may be taken by a student, depending upon his interests and needs. Initial placement in the mathematics program is dependent upon the student's ability to meet course prerequisites.



In a mathematics course, a grade of C or better or credit indicates that the student is qualified to attempt the next course in his chosen sequence of courses. A grade of D indicates that the student must repeat the course before proceeding in the sequence unless departmental approval is obtained. In addition, if more than two and one-half years have elapsed since the student has completed his highest mathematics course with a grade of C, that course should be repeated before attempting a sequel course.

COURSES IN MATHEMATICS

Math 1A-B – ELEMENTARY ALGEBRA (Programmed)

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)

Math 7 - COLLEGE ALGEBRA AND TRIGONOMETRY

5 Units

Prerequisites: Math 2 and Math 3 or plane geometry and one
and one-half year of high school algebra.
5 hours lecture weekly.

An integrated course in college algebra and trigonometry designed to prepare the student for calculus with analytic geometry. Real number 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, binomial theorem and probability. (F,S)

Math 8A-B-C-D-E-F-G – PROGRAMMED TOPICS IN MATHEMATICS

Prerequisites: Math 1B or one year of high school algebra and instructor recommendation

3 hours lecture weekly.

Selected topics in mathematics taught on a programmed basis and chosen to provide mathematical background necessary for successful completion of course work in subject areas requiring mathematical fluency in any of the topics listed. Upon instructor recommendation, the student may enroll in any of the following modules at any time during the semester:

Math 8A	Solution of linear and literal equations	½
Math 8B	Solution of quadratic equations	½
Math 8C	Exponents and logarithms	½
Math 8D	Triangle trigonometry	½
Math 8E	Vectors	½
Math 8F	Analytical trigonometry	1
Math 8G	Introduction to Statistics	½

Math 9A-B-C – FUNDAMENTALS OF MATHEMATICS (Programmed)

1-1-1 Units

Prerequisites: None
5 hours lecture weekly.

The student will initially register in all three courses 9A-B-C. During the first week of class diagnostic tests will be administered in order to determine proper placement in any or all of the three one-unit segments of the course.

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 field 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)

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, and permutations, combinations and probability.

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.

Math 15 - INTRODUCTORY STATISTICS

4 Units

Prerequisite: Math 3 or equivalent.
3 hours lecture, 3 hours laboratory weekly.

The Nature of Statistical Methods. The description of sample data, probability, theoretical frequency distributions, sampling, estimation, testing hypothesis, correlation, regression, special topics. Laboratory: Treatment of quantitative data. Problems and problem-solving techniques. The laboratory is intended to reinforce and extend principles developed in lecture. (F,S)

Math 16A-B – APPLIED CALCULUS

3-3 Units

Prerequisites: Math 7 or Math 12 and Math 8F (concurrent) 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)

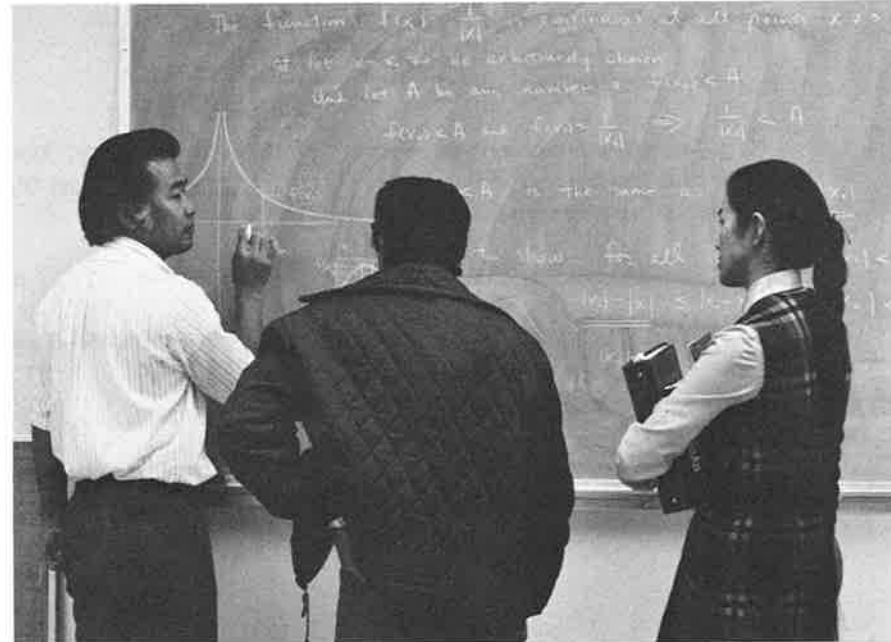
Math 18 - COMPUTER PROGRAMMING-FORTRAN

2 Units

Prerequisite: Math 7 or Math 12 or plane geometry and
two years of high school algebra

3 hours lecture/laboratory weekly.

Familiarization with basic digital computer programming concepts. Designed to introduce science, engineering and mathematics students to the computer in problem solving, emphasizing the use of FORTRAN language. (F,S)



Math 22A-B – DIRECTED STUDIES IN MATHEMATICS **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.

Math 25A - CALCULUS WITH ANALYTIC GEOMETRY I **5 Units**

Prerequisite: Math 7 or plane geometry, trigonometry, and two 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)

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)

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.

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

Prerequisites: Math 25B
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)

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

Prerequisites: Math 25C (may be taken concurrently with instructor permission)
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)

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

Prerequisite: Math 25C (Math 31 or Math 33 may be taken concurrently)

3 hours lecture weekly.

Linear Algebra, including real vector spaces, linear transformations, matrices, determinants, eigenvalues and eigenvectors, 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)

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 1B

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

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				

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)

MAS 2 - MEXICAN—AMERICAN CULTURE 3 Units

Prerequisites: None
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)

MAS 3A-B – SPANISH FOR THE SPANISH SPEAKING 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 4A - HISTORY OF THE MEXICAN PEOPLE IN THE SOUTHWEST 3 Units

Prerequisites: None
3 hours lecture weekly.

A survey of the history of the Mejicano from the pre-Columbian period (including the conquest) to the Treaty of Guadalupe Hidalgo (1848), emphasizing the Mexican settlement of the Southwest including the western movement of the United States.

**MAS 4B - HISTORY OF THE MEXICAN PEOPLE IN THE
SOUTHWEST**

3 Units

Prerequisites: None
3 hours lecture weekly.

A continuation of the History of the Mejjicano in the Southwest from 1848 to the present, emphasizing contributions by the Mejjicano to the development of the five Southwestern States (Arizona, California, Colorado, New Mexico and Texas).

**MAS 6 - MEXICAN-AMERICAN LTIERATURE IN
TRANSLATION**

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. Discussion 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. (Co-numbered Engl 45)

MAS 7 - FIELD WORK IN BARRIO STUDIES

3 Units

Prerequisites: None
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.

MAS 22AB - DIRECTED STUDIES - MEXICAN-AMERICAN

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

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	Mus 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 EDUCATIONS 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.

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

4-4-4-4 Units

Prerequisite: Music 1 or equivalent.
4 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.

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.

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.

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.

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.

Mus 11 - CHAMBER CHOIR*1 Unit**

Prerequisites: Consent of instructor
3 hours rehearsal 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.

Mus 13A-B-C-D – VOICE**2-2-2-2 Units**

Prerequisite: None for 13A
1 hours 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. Literature will consist primarily of English repertoire in addition to vocal exercise. NOTE: Maximum credit of two units is allotted for Mus 13A-B-C-D at SFVSC.

Mus 15 - ORCHESTRA*1 Unit**

Prerequisite: Consent of instructor.
3 hours rehearsal weekly.

Preparation and performance of orchestral repertoire.

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

***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.

***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.

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



Mus 22A-B - DIRECTED STUDIES IN MUSIC**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.

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.

24B - Piano studies and techniques for steps two and three; continuation of scales and keyboard techniques.

24C - Piano studies and literature for students for fourth and fifth steps; scales and keyboard techniques.

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.

Mus 26 - CONSORT 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.

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

ORIENTATION

COURSES IN ORIENTATION

ORIENT 2 - INTRODUCTION TO COLLEGE

½ Unit

Prerequisites: None
2 hours lecture per semester.

An introduction to college; information necessary for successful adaptation to Moorpark College; an opportunity for self-assessment through testing and evaluation; career data related to interests; training in study skills and efficient use of time.

ORIENT 3 - ENCOUNTER GROUP

1 Unit

Prerequisites: None
2 hours lecture weekly (for 8 weeks)

Small group meetings aimed at helping students develop increased self-awareness and improved interpersonal relationships. The group setting provides the opportunity for open, honest expression of feeling and reaction to others.

ORIENT 5 - CAREER PLANNING AND EMPLOYMENT

1 Unit

Prerequisite: Approval of Counselor.
2 hours lecture weekly or by arrangement.

This course emphasizes career planning to meet personal objectives of the student and provides him with the tools for understanding and effectively operating in today's complex labor market. Emphasis will be on mastering the techniques for finding a job passing the screening and recruiting hurdles and selecting career ladder programs in the organization.

RAP 1 - REASSESSING ATTITUDES AND PRIORITIES

1 Unit

Prerequisites: None
1 hour lecture weekly.

Rap session is a course utilizing individual interaction to foster understanding and application of psychological and emotional growth. The basic class material is the individual and group analysis of the students experience within an immediate unstructured setting.

PHILOSOPHY

Faculty: Robert Fink, Robert Lombardi
 Counselor: Maxine Tallman

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; Phil 1A for 1B.
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)

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)

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)

Phil 22A-B - DIRECTED STUDIES IN PHILOSOPHY

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.

PHOTOGRAPHY

COURSES IN PHOTOGRAPHY

Photo 1 - BEGINNING PHOTOGRAPHY

2 Units

Prerequisites: None
6 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
6 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

Faculty: Gary Brinkman; Paul Dunham; John Keever; Modean McCullough;
James Moore, Division Chairman; Linda Moore, Alwyn Nordquist;
Delbert Parker; George Ragsdale; Richard Statler

Counselor: Jess Castro



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

RECREATION

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		Cal State , Long Beach			
Rec 1A-B	Recreational Leadership	3	PE 35	Basic Dance Skills	½
PE 80,82	Professional Courses (Men)	2,2	PE 37	Social, Folk, Square Dance	½
PE 84,86	Professional Courses (Men)	2,2	ThA 24	Introduction to Theatre	3
PE 81,83	Professional Course (Women)	2,2	HS 5	Safety and First Aid	2
PE 85,87	Professional courses (Women)	2,2	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)	2,2
LH 25A-B	Turfgrass Manage.	3,3	LH 25A-B	Turfgrass Manage.	3,3
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

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

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.

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.

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.

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.

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).
- PE 71 *Basketball (Fall & Spring Semesters).
- PE 72 *Cross Country (Fall Semester only).
- PE 73 *Football (Fall Semester only).
- PE 74 *Golf (Spring Semester only).
- PE 75 *Tennis (Spring Semester only).
- PE 76 *Track (Spring Semester only).
- PE 77 *Wrestling (Fall & Spring Semesters).

*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.

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.

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.

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, soccer, speedway, speedball, touchdown, track and field.

PE 84 - MEN'S PROFESSIONAL ACTIVITIES III 2 Units

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

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.

Development of skills, safety habits, appreciation and knowledge of rules, strategy and background of the following activities: archery, badminton, field hockey, golf, lead-up games, volleyball.

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.

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.

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: basketball, softball, tennis.

PE 89A-B - DANCE PRODUCTION (coed)

1-2 Units

Prerequisites: Beginning and Intermediate Modern Dance and/or consent of instructor.

1 hour lecture, 1-3 hours laboratory weekly.

Practical experience in the many phases of dance concert and 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 91 - MEN'S SPORTS OFFICIATING

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 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 93A-B - WOMEN'S SPORTS OFFICIATING 1 Unit

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

1 hour lecture, 1 hour lab weekly.

Instruction and laboratory experience in sports officiating for women. Women's National Officials Rating Committee (WNORC) ratings may be earned in several sports.

93A - Fall Semester - Basketball and Volleyball

93B - Spring Semester - Softball, Track & Field, and Soccer

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.

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 lab 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 **2-2 Units**
COMMUNITY RECREATION

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.

HEALTH SCIENCE COURSES IN HEALTH SCIENCE

HS 1 - HEALTH AND SOCIETY

2 Untis

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.

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).

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, fractions, 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.

PHYSICS

Faculty: John Menzie (On leave 1970-71 Academic year), H. Fred Meyer,
Treavor Castle

Counselor: William Jay

Physicists investigate and attempt to understand the fundamental laws of nature and how these laws may be formulated and put to use. The physics major is designed for students interested in gaining an understanding of these fundamental laws of nature, learning the arts of experimentation, and applying this knowledge and art to a wide range of careers. Since the knowledge of physics, and the experimental arts form a foundation for all of science and engineering, physicists have excellent opportunities in government and industry - from soil mechanics to space physics - from biophysics to the theoretical work of a high energy elementary particle physicist. There is great need in high schools, colleges and universities for teachers and research physicists.

REQUIRED COURSES IN MAJOR

San Fernando Valley State			University of Calif. Los Angeles		
Phy 4A	Mechanics of Solids	3	Phy 4A	Mechanics of Solids	3
Phy 4B	Mechanics of Fluids, Heat and Sound	3	Phy 4B	Mechanics of Fluids, Heat and Sound	3
Phy 4C	Electricity & Magnet.	3	Phy 4C	Electricity & Magnet.	3
Phy 4D	Optics & Modern Physics	3	Phy 4D	Optics & Modern Physics	3
Math 25ABC	Calculus with Analytic Geo.	5,5,5	Math 25ABC	Calculus with Analytic Geo.	5,5,5
Math 35	Applied Dif. Equa.	3	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	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 and 3 hours Lab 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)

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).

Ph 3 - THE ARTS OF EXPERIMENTAL INVESTIGATION

1 Unit

Corequisite: Concurrent enrollment in Ph 10
3 hours laboratory weekly.

A laboratory course to accompany Physics 10. The role of the laboratory in solving problems is defined and basic arts of planning, execution, analysis and synthesis in experimentation is practiced. Basic measurement skills of time, mass, lengths and charge are required. (F,S)

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 statics and dynamics of particles and rigidbodies. 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 25 B
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 introductory electronic circuits. Lab employs AC and DC circuits to include oscilloscopes and other modern laboratory equipment. (F)

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.

Ph 10 - DESCRIPTIVE PHYSICS**3 Units**

Prerequisite: Math 1 or equivalent
3 hours lecture weekly (3 hours lab recommended, but not required)

Primarily a non-mathematical description of the basic principles of physics, using discussions, lecture-demonstrations, oral and written reports.

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.

Ph 22A-B - DIRECTED STUDIES IN PHYSICS**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)

PHYSICAL SCIENCE

COURSES IN 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.

Phys. Sci 10 - SKY AND TELESCOPE

2 Units

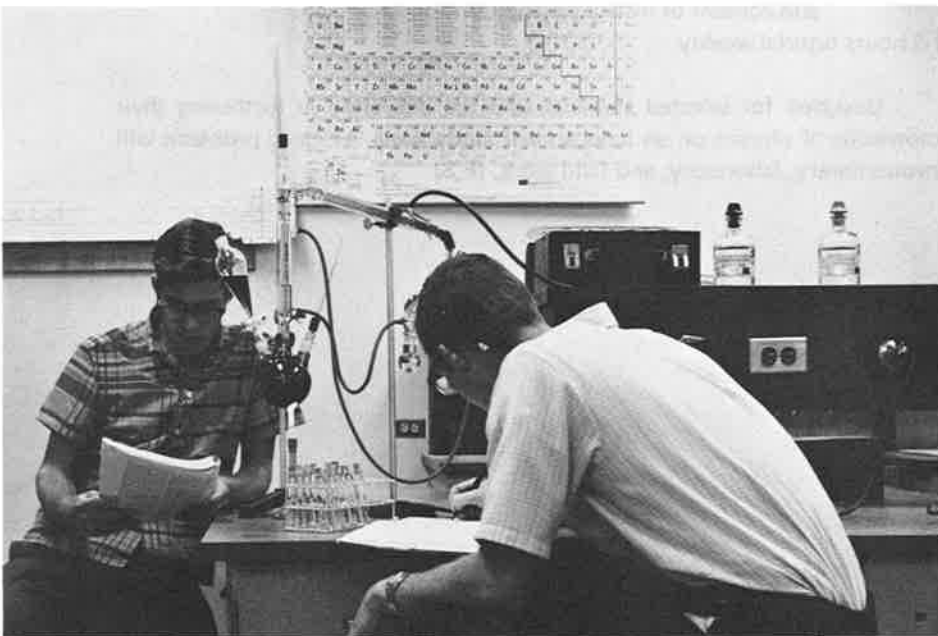
Prerequisites: None
2 hours lecture weekly

A general interest-education course that will survey some major consideration in intergalactic space such as birth and death of stars, dimensions of the Universe and the destiny of the Universe. Field trips, evening star studies and contemporary literature will provide background for the in-class discussions.

Phys Sci 22 A-B - DIRECTED STUDIES IN PHYSICAL SCIENCE 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 5 units.



POLITICAL SCIENCE

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

Political Science is the study of government. Political scientists are interested in government at every level—local, county, state, regional, national and international. Political scientists are employed in colleges, in such federal agencies as the U.S. Department of State and the U.S. Information Agency, and at the city, county, and state levels of government. They make studies of legislation and analyze the operations of government and of non-government organizations that affect legislation.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State			University of California, Los Angeles		
Pol Sci 1	Intro to Government	3	Pol Sci 1	Intro to Government	3
Pol Sci 2	Comparative Gov't	3			
Econ 1A	Principles of Econ	3			
Hist 1B	Intro to Western Civ	3			

REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4,4
Engl 1A	Composition & Literature	3
Phil 1A-B	Intro to Philosophy	3,3
or		
Engl	(2 semesters Lit)	3,3

RECOMMENDED COURSES

Pol Sci 7	Minority Groups	3
Pol Sci 10	Intro to Public Admin	3
Hist 7A-B	Soc/Pol Hist of U.S.	3,3

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 subject area.

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)

Pol Sci 3 - AMERICAN GOVERNMENT

3 Units

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

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

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.

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)

**Pol Sci 10 - PUBLIC ADMINISTRATION AND
POLICY DEVELOPMENT****3 Units**

Prerequisites: None.
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.

Pol Sci 22 - DIRECTED STUDIES IN POLITICAL SCIENCE**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.

**Pol Sci 49A-B - DIRECTED WORK EXPERIENCE IN
POLITICAL SCIENCE****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
 Counselor: Maxine Tallman

Psychologists study the behavior of individuals and groups and may be found in many areas of our contemporary society. Some of the more common positions in the field of Psychology are teaching in colleges and universities, counseling, and working with maladjusted people in a clinical setting. Other fields of Psychology include developmental, industrial, experimental, personnel and human engineering. A Bachelor's degree in Psychology will satisfy the requirement for an academic major in obtaining a teaching credential, both for the elementary and secondary credentials.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of California, Los Angeles		
Psych 1A	Intro to Psychology	3	Psych 1A	Intro to Psychology	3
Psych 1B	Intro to Experimental Psych.	3	Psych 1B	Intro to Experimental Psych.	3
Math 15	Introductory Statistics	4	Biol 2A-B	General Biology	4,4

REQUIRED GENERAL EDUCATION COURSES

Biol 2A-B	General Biology	4,4	For Lan	Foreign Language	4,4,4
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RECOMMENDED GENERAL EDUCATION COURSES

Chem 12	Elementary Chemistry	4	Chem 1A-B	General Chemistry	5,5
Soc 1	Intro to Sociology	3	Soc 1	Intro to Sociology	3
Anth 2	Cultural Anthropology	3	Anth 2	Cultural Anthropology	3
			Math 7	College Algebra & Trig	5

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.

Psych 1B - INTRODUCTION TO EXPERIMENTAL PSYCHOLOGY 3 Units

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

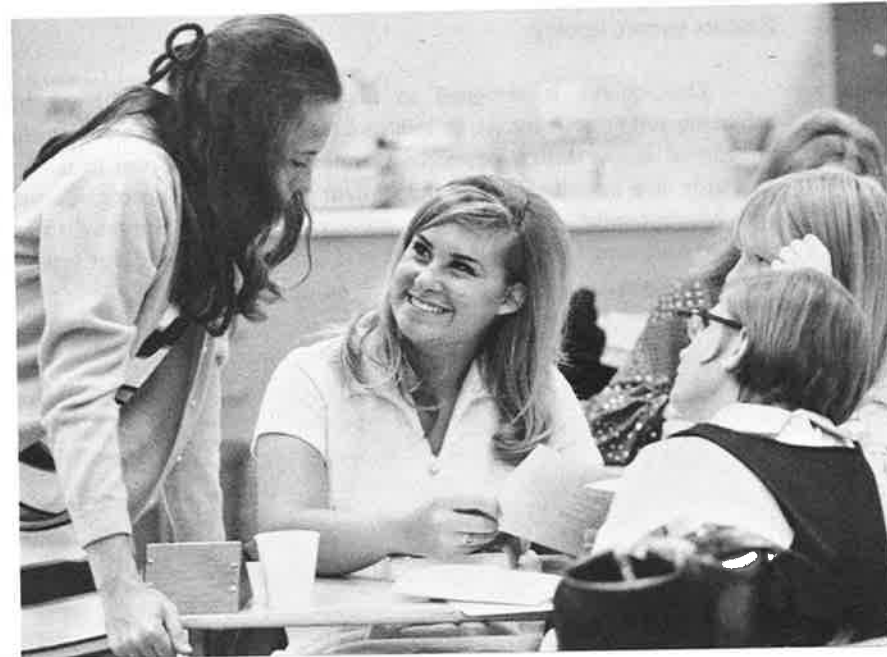
An introduction to experimental methodology in psychology with an emphasis on the scientific method, basic statistics and the physiological bases of behavior. Individual experimental study is included.

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.



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.

Psych 9A - PSYCHOLOGY OF PERSONAL ASSESSMENT

3 Units,

Prerequisites: None
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 9B - PSYCHOLOGY OF SOCIAL RELATIONS

3 Units

Prerequisites: None.
3 hours lecture weekly.

Consideration of ideas useful in understanding people and in achieving emotional maturity, self-respect, more meaningful human relations, and self-actualization; primarily for students in non-transferable curricula. (F)

Psych 22A-B - DIRECTED STUDIES IN PSYCHOLOGY

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.

READING

Faculty: Michael Strumpf, Sinclair 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 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: Kenneth E. Ainge
Counselor: Gary Brinkman

The projected growth in the areas surrounding Moorpark College will create a demand for homes, schools, churches, shopping centers, and industrial developments. Professionally trained people in real estate will provide much of the leadership in fields of residential and industrial brokerage, property management, research and land development.

REQUIRED COURSES IN THE MAJOR

RE 91*	Real Estate Principles	3
RE 92*	Legal Aspects of Real Estate	3
RE 93*	Real Estate Practice	3
RE 94*	Real Estate Appraisal	3
RE 95+	Real Estate Finance	3
RE 96+	Real Estate Economics	3
Bus 3	Applied Accounting	3
Bus 9AB	Business Lectures	1
Bus 30	Introduction to Business	3
Bus 35*	Salesmanship	3
Bus 32	Small Business Management	3
Hum 1A-B	Man In Society	6,6

RECOMMENDED COURSES FOR THE MAJOR

Bus 44	Bus Math	3	Bus 50	Elem. of Supervision	3
Bus 37	Marketing	3	Bus 40	Personal Finance	3
Bus 39	Bus Comm	3	Bus 38	Advertising	3
Spch 15	Pract. Speech	3	Econ 1A-B	Prin of Econ	3,3
Psych 9A	Psych of Personal Assessment	3			

*A student currently 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 salesman 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: None
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 WELFARE

Faculty: Kenneth Buckner
Counselor: Maxine Tallman

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			University of California, Los Angeles		
Soc 1	Intro to Sociology	3	Soc 1	Intro to Sociology	3
Soc 2	Social Problems	3	Soc 2	Social Problems	3
			Math 15	Introductory Statistics	4

REQUIRED GENERAL EDUCATION COURSES

For Lan Foreign Language 4,4,4

SOCIOLOGY

Faculty: Kenneth Buckner, Walter Lossner

Counselor: Maxine Tallman

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. Sociologists may study individuals, families, or communities in an attempt to discover the causes of social problems such as crime, juvenile delinquency, alcoholism, poverty, and dependency. About three-fourths of the sociologists—people in research and administrative positions, as well as teachers—work in colleges and universities. About one-tenth are in federal, state, local, or international government agencies; the rest work in private industry or for welfare or other non-profit organizations or are self-employed.

REQUIRED COURSES IN THE MAJOR

Chico 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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RECOMMENDED GENERAL EDUCATION COURSES

Psych 2	General Psychology	3	Phil 1A-B	Intro to Philosophy	3,3
Anth 2	Cultural Anthropology	3	Anth 1	Physical Anthropology	3
Math 15	Introductory Statistics	3	Anth 2	Cultural Anthropology	3
			Econ 1A-B	Principles of Econ	3,3
			Engl 1	Literature & Composition	3,3
			Geog 1	Physical Geography	3
			Geog 2	Cultural Geography	3
			Math 7	College Algebra & Trig	5
			Psych 1A	Intro to Psychology	3
			Pol Sci 3	American Government	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)

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)

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)

Soc 22A-B - DIRECTED STUDIES IN SOCIOLOGY

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.

SPANISH

Faculty: Beverly Pearson (on leave; Fall semester),

Amado Reynoso

Counselor: Carole Ginet

With the growing interdependence of nations, persons with facility in foreign languages are needed more than ever. Specialists work in such areas as anthropology, economics, political science, literature, and sociology. Still the principal area of employment is in teaching on the elementary, secondary and college levels. Other careers may be found in interpreting, translating, research, diplomacy and other government work, libraries, and the publishing business.

REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College				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.

Training in the basic principles of grammar and pronunciation; development of the ability to understand and to express Spanish in oral and written form; extensive use of the language laboratory. All students will be expected to spend an additional hour per week of study in the language laboratory. (F,S)

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 1A or 4 years of high school Spanish.

5 hours lecture, 1 hour laboratory weekly.

Advanced conversation and composition; reading of various Spanish and Spanish-American authors; review of grammar, with written and oral practice. All students will be expected to spend an additional hour per week of study in the language laboratory. (2A-F, 2B-S)

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 if focused on correct grammar and written communication for the Mexican-American. (3A-F, 3B-S) (Co-number MAS 3A-B)

Spn 22A-B - DIRECTED STUDIES IN SPANISH

1-3 Units

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

Spn 31A - 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 - 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 - CONVERSATIONAL SPANISH FOR THE
SPANISH SPEAKING**

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)



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.

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)		Speech 5	Rhetoric & Public Address Major	
				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.

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.

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.

Speech 15 - PRACTICAL SPEECH

3 Units

Prerequisites: None
3 hours lecture weekly.

Development of skills to aid speaker in communication of ideas to audience; emphasis on good emotional adjustment to speech situations by delivery of short speeches, by participation in group discussions, and by learning to function effectively in parliamentary procedures.

THEATRE ARTS

Faculty: C. Tod Fortner; Robert Reynolds, Department Head
 Counselor: Carole Ginet

“All the world’s a stage, and all the men and women merely players.” A good play holds the mirror up to life, and actors are the “brief chroniclers” of our time. But the play also requires a host of supporting personnel, including directors, writers, costume designers, sound and light technicians, scene and theatre designers.

REQUIRED COURSE IN THE MAJOR

San Fernando Valley State College			University of California, Santa Barbara		
ThA 2A	Fundamentals of Acting	3	ThA 2A-2B	Fundamentals of Acting	3,3
ThA 20A-20B	Theatre Production	2,2	ThA20A-20B	Theatre Production	2,2
ThA 21A-21B	Theatre Production Lab	1,1	ThA 21A-21B	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.

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.

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**2-2 Units**

Prerequisites: Concurrent enrollment in ThA 21.
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.

ThA 21A-B-C - THEATRE PRODUCTION LABORATORY**1-1-1Units**

Prerequisites: Concurrent enrollment in ThA 20A or 20B
3 hours laboratory weekly.

21A - Construction and Design; 21B - Costume and Make-up; 21C - Lighting and Sound.

Laboratory experience through participation in theatrical productions; actual experience in the areas indicated.

ThA 22A-B - DIRECTED STUDIES IN THEATRE**1-3 Units**

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

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

ThA 24 - INTRODUCTION TO THE THEATRE**3 Units**

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

Introduction to the theatre as an art form; appreciation of the theatre, past and present.

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)



THE FACULTY





SIDNEY ADLER
English

B.A., M.A., City College of New York; Graduate work, New York University; Ph.D., University of Southern California; Instructor, New York City high schools; Morningside High School, Inglewood; UCSB Extension; Moorpark College, 1968-

KENNETH E. AINGE
Chairman, Division
of Technology

A.B., University of California, Santa Barbara; M.A., University of California, Los Angeles; Graduate study, Brigham Young University; Instructor and Coordinator, Pasadena City College; Department Manager, Sears, Roebuck and Company; Sales Agent, Underwriters, Allstate Insurance Company; Moorpark College 1967-

DONALD ANDERSON
Agriculture

B.S., Fresno State; M.A., California Polytechnic College, San Luis Obispo; North American Aviation, Special Technician, Engineering Department; Instructor, Sanger High School; Moorpark College, 1968-



KIRK AIKEN
Art

B.A., University of Southern California; M.A., California State College, Los Angeles; Instructor, Harvard High School; Shows at CSCLA Gallery, University of California, Los Angeles County Museum, Museum of Science and Industry, Pasadena Design Show; Moorpark College, 1969-

NORMAN ALGER
Anthropology

B.S., University of Washington; M.A., University of California, Santa Barbara; Moorpark College, 1970-

ESTELLA M. BASSETT
College Nurse, Health Education

R.N., Saint Mary's Hospital School of Nursing, Rochester, New York; B.A., University of Rochester, New York; M.S., State University College, Brockport, New York; M.P.H., University of California at Los Angeles; Director of Health Services, State University College, Geneseo, N.Y.; Associate Professor-Health Education, State University College, Brockport, New York; Moorpark College, 1967-



JUDITH JILL ALLEN
English

A.B., Pennsylvania State University; M.A., Sacramento State College; Teaching Assistant, University of Southern California; Instructor, California State Polytechnic College, San Luis Obispo and California State College, Los Angeles; Moorpark College 1968-

WILLIAM I. BENDAT
Counseling/Political Science

B.A., University of California at Los Angeles; M.A., San Diego State College; Graduate Study, Los Angeles State College, San Fernando Valley State College; NDEA Year Grant; Consultant-group Counselor, Tacoma City Schools; Instructor, Los Angeles City Schools, Pierce College; Moorpark College 1970-

EUGENE BERG
Chemistry

A.B., University of California; M.S., California State College; Ph.D., University of California; Instructor California State College; University High School; Moorpark College, 1970-

ARTHUR J. BETTINI
History

B.A., M.A., University of California at Los Angeles; Supervising teacher, UCLA Psychology Clinic School; Instructor, Inglewood High School; Inglewood Adult Evening School; Ventura College; Moorpark College, 1967-

DAVID L. BISHOP
Life Sciences

B.S., Washington State University; M.A., University of California, Santa Barbara; Teaching Assistant; Instructor, Santa Barbara City College; Moorpark College, 1968-

RICHARD L. BLACK
English

B.A., M.A., University of California, Santa Barbara; Santa Barbara City College, Student Teaching; Moorpark College, 1968-

GERALD BRIDGEMAN
Political Science

A.B., University of California, Berkeley; M.A., University of California, Berkeley; Instructor, Yuba College, Kauai High School, Hawaii, Lick-Wilmerding School, San Francisco; Moorpark College, 1969-

GARY W. BRINKMAN
Counseling, Physical Education

A.A., Mt. San Antonio College; B.S., Brigham Young; M.A., California Polytechnic; Athletic Coach, California State Polytechnic College; Administrative Assistant, Education Experimental Programs, Brigham Young University; Athletic Coach, Brigham Young University; Additional Graduate study, Brigham Young University; Moorpark College 1967-

Counseling Assignment: Business

WILLIAM L. BRISBY
Biology

B.S., Colorado State University; M.S., University of Southern California; 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; Moorpark College, 1969-

ROGER W. BOEDECKER
Chairman, Division
of Social Sciences

B.A., M.A., Long Beach State; Graduate work at Claremont Graduate School, Eastern Oregon College, U.C., Riverside, U.C., Santa Barbara and L.A. State College; Instructor at Westminster Intermediate School, Huntington Beach High School and Rim of the World High School; Moorpark College, 1967-





DONALD C. BOWEN
Business Administration

B.S., San Diego State College; M.B.A., University of California at Los Angeles; Graduate work at USC, L.A. State College, and San Fernando Valley State College; Bank auditor, computer operator and controller in Los Angeles; Moorpark College 1967-



DONALD H. BROCKETT
Health Science

B.A., M.A. Fresno State College; Instructor, Camarillo High School, Rio Mesa High School, Anaheim Union High School District; Moorpark College, 1970-



KENNETH L. BUCKNER
Sociology, Anthropology

B.S., M.A., University of Southern California; Instructor, Los Angeles City Schools, Burbank High School, Santa Monica City College; Moorpark College, 1968-



TANYA L. BURKE
Business Education

B.S., M.A., Western Michigan University; Instructor, Western Michigan University, Elk Grove High School; Moorpark College, 1967-



JOAN CALKINS
Nursery School

B.A., Western Washington College; Director Campus Nursery School, Ventura College; Margaret Hope Nursery School, Headstart program; Moorpark College, 1970-

LEWIS CAMILLUCI
Assistant Dean of Students,
Counseling

B.A., M.A., San Jose State College; 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; Moorpark College, 1969-

TREVOR CASTLE
Physics

B.S. Leicester University; M.Sc., University of London; Instructor, Barking Regional College; Rush Green College of Further Education; Hendon College of Technology, England; Fullbright-Hayes Teacher Exchange; Moorpark College, 1970-71.

JESS A. CASTRO
Counseling, History

B.A., M.A., University of Denver; Instructor, Pueblo High School, Tucson, Arizona, El Cajon Valley High School; NEA-AID, Caracas, Venezuela, Consultant on Secondary Curriculum; NEA-AID, Bogota, Columbia, Social Science Curriculum Advisor; Instructor, Grossmont College; Moorpark College, 1969-

Counseling Assignment: History, Political Science, Mexican-American, Food Service, Geography.

JANE M. CHAPMAN
Foreign Language

B.S., M.A., Purdue University; Instructor, Los Angeles, Glendale School Districts; Glendale College, Moorpark College 1968-

JOHN J. COLLINS
President

A.B., M.A., University of California at Berkeley; Ed.D., University of California at Los Angeles; Ford Foundation Fellow, Harvard University; Instructor in Sociology and Counselor, Bakersfield College; Dean of Students, Bakersfield College; Moorpark College 1966-



PHYLLIS COOL
Counselor

B.A., La Verne College; M.S., San Diego State College; Moorpark College, 1970-

MARJORIE CORBELL
Secretarial

A.A., Kansas City Junior College; B.S., Central Missouri State College; Instructor, Simi Unified District; Moorpark College, 1970-

JUDY L. CROWE
Home Economics

B.S., University of California, Los Angeles; M.S., San Fernando Valley State College; Southern California Gas Company Home Economist, Moorpark College, 1968-

RICHARD J. DEVLIN
Food Service Management

A.A., San Francisco City College; Restaurant owner-manager; Manager, Post Exchange branches in Japan; Instructor, San Bernardino Valley College; Moorpark College, 1967-

WILLIAM C. DICKNEIDER
Economics

B.S., M.A., University of California, Los Angeles; Accounting department, Pacific Lighting Gas Supply Co., Los Angeles; Instructor, Santa Monica City College; Peace Corps, Peru; Moorpark College, 1969-

PAUL DUNHAM
Physical Education

A.A., Taft Junior College; B.A., University of California, Santa Barbara; M.A., San Fernando Valley State College; Instructor, Santa Ynez High School, Camarillo High School, Thousand Oaks High School, Ventura College; Moorpark College, 1967-

BYRON D. EDDE
Coordinator, Engineering
and Engineering Technology

B.S., University of California at Berkeley; M.S., University of California at Los Angeles; Electronics Engineer, Pacific Missile Range, Pt. Mugu; Member of Technical Staff, Hughes Aircraft Company; Senior Engineer, Litton Systems; Moorpark College, 1967-

RICHARD EDWARDS
English

A. A., Ventura College; A. B., University of California; M.A., Yale University Graduate School; Instructor, University of California; Moorpark College, 1970-

GERALD R. FECHT
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.; Instructor, Patrick Henry Junior High School, Burbank High School; Moorpark College, 1969-

FRANK FIERRO
Mexican-American Studies

A.A., Los Angeles Valley College; B.A., San Fernando Valley State College; Moorpark College, 1970-

PAUL FINK
Philosophy

B.A., Pennsylvania State University; M.A., University of Rochester; Instructor, El Camino College, California State College, Long Beach City College; Moorpark College, 1970-





JACK A. FLEMING
Coordinator,
Law Enforcement

B.A., Sacramento State College; Kern County Sheriff; Instructor, Bakersfield College, Orange Coast College; Moorpark College, 1968-

RICHARD E. GILMAN
Chairman, Division of Natural
Science and Mathematics

B.S., M.S., St. Mary's College, Winona, Minnesota; Research Assistant, State University of Iowa; Graduate study at University of Iowa, University of California at Los Angeles, University of Southern California; Instructor at Burbank High School, Burbank California, Ventura College; Moorpark College, 1967-

RANDOLPH W. GRIFFITH
History

B.A., University of California at Riverside; M.A., University of California at Los Angeles; Social Worker and social work supervisor, Los Angeles Bureau of Public Assistance; Vocal tutor in New York City, Ventura, Los Angeles, San Bernardino; Moorpark College, 1967-



TOD C. FORTNER
Drama, Speech

B.A., M.A., Fresno State College; Entertainment Specialist, U.S. Army Special Services; Instructor, Fresno City Secondary School District; Actor, Pacific Conservatory of the Performing Arts; Instructor, Butte Community College; Moorpark College, 1969-

CAROLE GINET
Counseling, Speech

A.B., University of California, Berkeley; M.S., University of Southern California; Instructor, Canoga Park High School; Moorpark College, 1968-

JOHN W. HANFT
English

B.A., University of California at Riverside; M.A., Chico State College; Graduate work, San Francisco State College, San Jose State College; Instructor, Orange Glen High School, Escondido; Sonora Union High School; Ventura College; Moorpark College, 1967-



MAX O. GARBUTT
Mathematics

A.B., University of California, Berkeley; M.A., San Jose State College; Surveyor, State of California; Instructor, Chico State College; IBM Corporation programmer; Moorpark College, 1969-

ROLAND GLOVER
Speech

B.A., California State, Los Angeles; M.A., Mt. St. Mary's College; Instructor, West Torrance High School, Aviation High School, L.A. Trade Tech., Compton College; Moorpark College, 1968-

VERLE D. (TOM) HARRIS
Engineering

B.S.E., California State College, Long Beach; Registered Professional Engineer; Structural Engineer, Holmes and Varven; Civil Engineer, Ventura County Department of Public Works; consulting Engineer; Moorpark College, 1968-



JAMES R. GAYLE
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, UCLA, University of Washington; Naval Officer; Instructor, Bakersfield College; Moorpark College, 1967-

RAY W. HEARON
Assistant Dean of Students,
Student Activities

B.A., M.A., University of California, Berkeley; Ed.D., University of California, Los Angeles; Graduate study, University of California at Los Angeles, Fresno State College, Long Beach State College; Instructor, Assistant Principal, McFarland High School, McFarland, Calif.; Dean of Students, Shafter High School, Shafter, Calif.; Dean of Student Activities, West High School, Bakersfield, Calif.; Moorpark College, 1967-

STEPHEN J. HERZOG
Humanities, Social Science

B.A., M.A., Ph.D., University of California at Los Angeles; part time instructor at Los Angeles City College; Santa Monica City College; instructor at Ventura College; Moorpark College Faculty Senate President, 1967-68; Moorpark College, 1967-

DIANA HO
English

A.A., Ventura College, B.A., M.A., San Francisco State College; Instructor, San Francisco State College; Moorpark College, 1970-

ANTHONY RAY HOBSON
Graphic Arts

B.S., California State Polytechnic College, San Luis Obispo; Graphic Artist, Logican, Inc., San Pedro 11-69 to present; recipient of "Who's Who Among Students in American Colleges & Universities" 1968-69. Moorpark

PHILIP HOUSER
French, English

B.A., Ursinus College, Pennsylvania; M.A., Pennsylvania State University; Instructor, Pennsylvania State University, University of California, Berkeley, Rio Vista Senior High School, Rio Vista, California, Ventura College, Solano College, California; Moorpark College, 1969-

JOHN E. HURLEY
Reference Librarian

B.A., M.A., San Diego State College; M.L.S., University of California, Los Angeles; Instructor, Grossmont High School District; Moorpark College, 1967-

ORBIE D. INGERSOLL
Music

B.A., San Fernando Valley State College; Graduate study at University of California, Santa Barbara; Instructor, Alemany High School, Mission Hills; Adolfo Camarillo High School; Associate Conductor, Ventura County Symphony Orchestra; Moorpark College, 1967-

WILLIAM JAY
Counseling, Mathematics

B.A., MEd., University of Vermont; Counselor, Burbank High School; Instructor, Burbank High School, Vergennes, Vt. High School, Enosburg Falls, Vt. High School; Moorpark College, 1969-

Counseling Assignments:
Engineering, Biology, Chemistry, Engineering Technology, Geology, Mathematics, Nursing Transfer, Physics, Pre-Nursing.

JOHN P. KEEVER
Physical Education

B.A., University of California, Santa Barbara; M.A., Chico State College; Assistant Football coach, University of California, Santa Barbara; UCSB Coaching Camp assistant coach; Rugby coach, assistant football coach, Chico State College; Moorpark College, 1969-





CECILE M. LABEL
History

B.A., University of California, Berkeley; M.A., University of California, Los Angeles; Instructor, Golden West College, Santa Monica City College; Moorpark College, 1968-

WILLIAM H. LAWSON
Assistand 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; Engineer, Pacific Telephone Company; College Relations Officer, U.S. Department of Labor, Washington D.C.; Department Head, Business, San Bernardino Valley College; Moorpark College, 1967-

LAWRENCE G. LLOYD
Coordinator,
Community Services

A.B., M.A., University of Southern California; Instructor, Burbank High School; Faculty Senate President-Elect, 1969-70; Moorpark College, 1967-



JULIE LANDSTAD
English

B.A., University of Southern California; M.A., California State College, Long Beach; Instructor, Morningside High School, Inglewood; Moorpark College, 1968-

JAMES B. LEHR
Department Head,
Physical Sciences and Mathematics

B.S., M.S., University of North Dakota; Graduate work, U.C., Berkeley, Oregon State, Stanford; Instructor, Oxnard Union High School District; Moorpark College, 1967-

ROBERT A. LOMBARDI
Dean of Students

A.B., M.A., University of Southern California; Graduate work, U.C.L.A., San Fernando Valley State; Instructor, Burbank High; Counselor-Instructor, Ventura College; Representative with Dean Witter & Co.; Moorpark College, 1967-



JAMES W. LANE
Law Enforcement

A.A., Valley College, Van Nuys, California; Los Angeles City Police Captain; Instructor, Valley College; Moorpark College, 1969-

RICHARD N. LIETZAU
Business Education

B.A., Winona State, Minnesota; M.A., Calif. State College, L.A.; Instructor, Eisenhower High School, Rialto, San Bernardino High School; Moorpark College, 1968-

KNOX T. LONG
Counseling, Liberal Arts

B.A., University of California, Santa Barbara; M.A., California State College at Los Angeles; Instructor, San Marino High School, San Luis Obispo High School; Cuesta College, Ventura College; Moorpark College, 1968-



WALTER M. LOSSNER
Sociology

B.A., B.D., Concordia Seminary; M.S., Los Angeles State College, Ph.D. University of Southern California; Counseling Psychologist, Compton Counseling Service, Lic. Marriage, Family & Child Counselor; Instructor, Glendale College, University of Southern California, Pastor, Lutheran Church; Moorpark College, 1969-

ALAN LOWE
Psychology

B.A., M.A., University of California, Los Angeles; Graduate work, University of California; Research Assistant, University of California; Consultant and research assistant, Institute for Development of Educational Activities, Los Angeles; Moorpark College, 1969-

MODEAN McCULLOUGH
Physical Education

B.S., Jamestown College, Jamestown North Dakota; M.S., University of North Dakota; Instructor, University of North Dakota, Perris Valley Jr. High School, Perris Calif.; Valley City State College, North Dakota; Simi Valley High School; Moorpark College, 1969-

FLOYD D. MARTIN
Department Head,
Mathematics

B.S., M.A., Arizona State University; Advanced Graduate Study, Arizona University; Dean of Men's staff, Teaching Assistant, Arizona State; Engineer, Systems Analyst, Motorola, Inc.; Moorpark College 1967-

KATHLEEN C. MASON
Physical Education

B.A., B.F.A., University of Utah; M.E.D., University of Maryland; Fulbright Scholar, Great Britain; Instructor, George Washington University, Washington, D.C.; Agnes Bruce Greig School, Sumner, Maryland; Columbia Lighthouse for the Blind, Washington, D.C.; Georgetown Dance Workshop, Washington, D.C.; Moorpark College 1967-

DON B. MEDLEY
Data Processing

Adrian College, Cal State LA, Toledo University, Pierce College, Senior Management Systems Designer; Xerox Data Systems Senior Computing Analyst, Rocketdyne; Manager, Data Processing Operations, Telecomputing; Programmer, Hughes Aircraft; Supervisor, Data Processing, Kobacker Stores; Moorpark College 1968-

SHELDON MEHR
Music

Northwestern University; B.A., University of California, Los Angeles; M.A. California State College; Instructor Belmont High School; Van Nuys Junior High School, Granada Hills High School; Moorpark College 1970-

JOHN C. MENZIE
Physics

A.B., University of California at Riverside; M.A. Brown University Graduate School; Graduate studies, Claremont Graduate School, University of Wyoming, North Carolina State, University of Calif. at L.A.; Instructor, San Bernardino Valley College, University of Wyoming; Moorpark 1967- Fullbright-Hayes Teacher Exchange, England 1970-71

HAROLD F. MEYER
Physics/Mathematics

B.S., M.A., California State College, Long Beach; Electro-Optical Engineer, Hughes Aircraft Company; Instructor, California State College, Long Beach; Moorpark College 1969-





ROBERT W. MILLER
Chemistry

A.B. Temple University; M.S. University of Arizona, Tucson; Graduate Study, California State College at Long Beach; Research Assistant, University of Arizona; Research Chemist, Shell Chemical Company, Torrance, California; Faculty Senate President, 1968-1969; Moorpark College 1967-



LINDA MOORE
Physical Education

B.A., Purdue University; Physical Education instructor, Moorpark High School; NSF Summer Institute, Purdue University; Klondike School government research project; Moorpark College 1968-



CHARLES D. MOLNAR
Mathematics

B.S., Harvey Mudd College; M.A., University of California, Riverside; Graduate Study, Claremont Graduate School, Stanford University; Instructor, Claremont High School, Chaffey High School; Moorpark College 1968-



JAMES MOORE, JR.
Chairman, Division of
Health and Physical Education

B.S., M.S., University of Southern California; Division Head and Athletic Director, Yuma Union High School District; Instructor and head football coach, Ventura College; Moorpark College 1967-



RICHARD L. MOORE
Dean of Instruction

B.A., Claremont Men's College; M.B.A., University of California at Berkeley; Ph.D. Claremont Graduate School and University Center; Assistant Professor of Business, San Jose State College; Division Chairman of Business and Economics, Director of Vocational Education, San Bernardino Valley College; Moorpark College 1966-

DAVID K. MURPHY
Chemistry

B.S., University of California, Berkeley; M.A., Ph.D. University of California, Santa Barbara; Teaching Assistant, Research Assistant, Associate, University of California, Santa Barbara; Moorpark College 1969-



ALVYN O. NORDQUIST
Physical Education

B.A., San Diego State College; M.A., Long Beach State College; Instructor, Lynwood High School, Compton College; Moorpark College 1967-



JACK NOYES
Art

B.S., M.A., University of Michigan; Instructor, New Park Avenue School, Conn.; Illing Junior High School, Conn.; Bakersfield College; Moorpark College 1970-



EARL B. OWEN
English

B.A., University of Redlands; M.A., University of California at Los Angeles; Instructor at Hinkley Elementary School, Hinkley, Calif.; Principal and teacher at the Bureau of Indian Affairs School, Alakanuk and Wales, Alaska; Instructor at Nome High School; Instructor at Nordhoff Union High School, Ventura College; Moorpark College 1967-



DARLENE PACHECO
Psychology

B.A., Colorado State University; M.A., Ed.D., Colorado State University; Instructor, Adams City, Colorado; School Psychologist, Polk County Board of Education, Iowa; Instructor, Psychology, Ventura College; Moorpark College 1969-

DELBERT M. PARKER
Physical Education

B.S., M.S., University of California, Los Angeles; Instructor, University of California, Los Angeles, United States Military Academy, West Point; Moorpark College 1969-

BEVERLY J. PEARSON
Spanish

B.A., University of Michigan; M.A., University of California at Berkeley; NDEA Institutes at USC and Burgos, Spain; Instructor, Mt. Diablo High School, College of Marin, Ventura College; Moorpark College 1967-

RICHARD PERRY
Political Science/
Business Law

B.A., University of California, Santa Barbara; J.D., University of California School of Law, Berkeley; M.A., Sacramento State College; Instructor, Lassen College; Moorpark College 1970-

STEVEN J. POLLOCK
Psychology

B.A., Whitman College, Washington; M.A., Claremont Graduate School; Ph.D., Claremont Graduate School; Research Assistant, Whitman College; Pizer College and Claremont Graduate School, teaching assistant; National Institute of Mental Health, Public Health Service Research Fellowship; Moorpark College 1968-

JON E. POPIEL
English

A.B., M.A., University of California, Los Angeles, Los Angeles Valley College, Moorpark College 1968-

GEORGE C. RAGSDALE
Physical Education

B.A., M.A., Fresno State College; Instructor, Camarillo High School, Rio Mesa High School; Moorpark College 1968-

JACK G. REYNOLDS
Biology

B.A., M.A., University of California, Berkeley; Curatorial Asst. Museum of Vertebrate Zoology, University of California; Instructor, University of California, Santa Barbara; Laboratory of Infectious Diseases, Bethesda, Md., Arctic Research Laboratory; Moorpark College 1969-

ROBERT E. REYNOLDS
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 T.V.; Professional work in theatre, radio and television; Recreation Administrator, Ventura; Instructor, University of Minnesota; Moorpark College 1967-



AMADO REYNOSO
Spanish

B.A., San Diego State College; M.A., San Francisco State College; NDEA institutes; Instructor, Kraemer Intermediate School, Cambria, McFarland, Fullerton, Bakersfield; Consultant to California State Department of Education; Administrator, Wasco Schools Mexican-American Projects; Moorpark College 1969-





DAVID RILEY
Mathematics

University of Dayton, A.B.,
University of California; San
Francisco State College; M.A.,
University of California; Moorpark
College 1970-



WILLIAM C. RODGERS
Department Head
Business and Economics

B.A., St. Ambrose College; M.B.A.,
San Jose State; Assistant Professor,
San Jose State College; Graduate
study University of Santa Clara;
Moorpark College 1968-



FRANK V. SARDISCO
Art

B.A., UCLA; M.F.A., Otis Art
Institute; Instructor, Woodbury
College, Los Angeles; Purchase
Award, Pasadena Museum; Bronze
Medal Winner, Los Angeles; Ventura
College; Moorpark College 1968-

DOROTHY SARNECKY
Geology

B.A., Notre Dame; M.S., Stanford
University; Graduate study,
University of Southern California,
New Mexico State University,
National Science Foundation
Institute; Colorado State University;
Earth Science Teaching Intern
Supervisor, Stanford University;
Instructor, Santa Ana College,
Riverside City College; Moorpark
College 1967-

CLINTON F. SCHONBERGER
Department Head
Life Sciences

B.A., B.S., M.A., University of North
Dakota; Graduate work at University
of Washington, UCLA and USC;
Instructor in Illinois, North Dakota
and California; Chairman of Biology
at San Bernardino Valley College;
Moorpark College 1967-

DELMORE E. SCOTT
Art

B.F.A., M.F.A., University of
Southern California; 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;
Moorpark College 1969-

MICHAEL K. SEELY
Department Head,
Language and Literature

A.B., M.A., University of California
at Santa Barbara; Graduate work at
Gonzaga University; Instructor at
Glenbrook Intermediate School in
Concord, Punahou School in
Honolulu; Assoc., Dept. of English,
UCSB; Instructor at Ventura College;
Moorpark College 1967-

ISAIAH SESSOMS
Financial Aids

B.A., Kentucky State; M.A.,
University of California, Los Angeles;
Instructor, Drew Junior High School,
Compton; Moorpark College 1970-



PAMELA SHERIDAN
English

B.A., M.A., University of California, Santa Barbara; Instructor, Santa Barbara School District; Moorpark College 1969-

KOKKI SHINDO
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; Instructor, Verdugo Hills High School, Chatsworth High School, Grant High School, Pierce College; Moorpark College 1969-

HOWARD SIEGEL
Chairman,
Division of Humanities

B.A., Queens College, New York; M.A., Kansas State University; Graduate Studies, University of Connecticut; Ph.D., U.S.C., Fellow, University of Kansas; Instructor, University of Missouri, Lecturer, U.S.C.; Ventura College; Moorpark College 1967-

MICHAEL M. SLAMA
Director of Library Services

J.D., Charles University, Prague, Czech.; M.A., University of Denver; Graduate Study, Claremont Graduate School and University Center; Catalog Librarian; Order Librarian, Assistant Librarian, University of Idaho; Assistant Librarian, California State Polytechnic College, Pomona; Moorpark College 1966-

MAYNARD E. SOMMER
Coordinator,
Maintenance and Operations
Agriculture

B.S., Fresno State College; M.A., University of California at Davis; Instructor, Bakersfield College; Assistant to Dean of Evening Division, Bakersfield College; Moorpark College 1967-

RICHARD SPILLER
Agriculture

B.S., Fresno State, M.A., Cal Poly; San Luis Obispo; Instructor, Santa Maria High School; Moorpark College 1970-

RICHARD G. STATLER
Golf Coach
Physical Education

B.A., M.S., California State College, Hayward; Football Coach, Ohlone Jr. College, Instructor, California State College, Hayward; Chabot Junior College; Ohlone Junior College; Moorpark College 1969-

JAMES A. STEMEN
Music

B.A., Goshen College; M.A., Southern Methodist University; Instructor, Osolo Junior High School, Indiana; Elkhart Community Schools, Indiana; Choral Director; Moorpark College 1969-

ROBERT T. STEPHENS
Mathematics

B.S., Brigham Young University; M.S., University of California, Riverside; Instructor, University of California, Riverside; Moorpark College 1968-

POLLY STRINGER
Home Economics

B.S., Oklahoma State University; Graduate work at San Fernando Valley State; Instructor at Barstow, California; Simi Schools; Trona, California; Moorpark College 1970-





MICHAEL STRUMPF
English, Reading

B.A., M.A., University of Southern California; Counselor-coordinator in Los Angeles City Schools, Junior High, Senior High, Adult Education; English for foreign born; Moorpark College 1967-

MAXINE R. TALLMAN
Counseling, Psychology

B.A., M.A., University of California at Santa Barbara; Graduate work at Drake University, University of Iowa, Iowa State University; 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; Moorpark College 1967-

DAVID A. WAGNER
Chemistry, Physical Science

B.S., Ohio State University; M.A.T., University of Michigan; M.S.T., University of Missouri; Instructor, Shreve High School, Ohio; Waynesfield High School, Ohio; Shawnee High School, Ohio; Thousand Oaks High School; Moorpark College 1969-



JAMES H. STURGEON
Art

B.A., M.F.A., University of California at Santa Barbara; 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; Moorpark College 1967-

Counseling Assignments: Data Processing, Dental Hygiene, Dentistry, High School Diploma, Home Economics, Marketing, Philosophy, Physical Therapy, Pre-Medicine, Psychology, Social Welfare, Sociology, Industrial Supervision.

SINCLAIR WALL
Reading, English

A.B., University of New Mexico; M.A., University of Chicago; Instructor, Scipio Township Schools, Indiana; Corona Unified Schools, San Diego Unified Schools, Coronado School District, Oxnard High School District; Moorpark College 1968-



JOHN E. THOMSEN
Engineering

B.S., M.S., University of California, Los Angeles; Instructor, Cabrillo Junior College; Moorpark College 1969-

MARIS WARD
German

B.A., Pomona College; M.A., University of California; Moorpark 1970-



RONALD ZABOSKI
Counselor

B.S., University of California; M.A., University of Southern California; Instructor, Parkman Junior High School, Hale Junior High School; Counselor, Crenshaw High School; Moorpark College 1970-

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