

# MOORPARK COLLEGE

**MOORPARK COLLEGE**  
7075 Campus Road  
Moorpark, California  
Zip 93021 Phone 529-2321

# VENTURA COUNTY JUNIOR COLLEGE DISTRICT

## GOVERNING BOARD



Dr. William M. Simpson  
*President*



Mr. Robert A. Addison  
*Trustee*



Mr. Philip C. McConnell  
*Trustee*



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## ADMINISTRATION

Dr. H. J. Sheffield  
*Superintendent*

Dr. John J. Collins  
*President*



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# ACADEMIC CALENDAR

## FALL SEMESTER

September 11, 1969 – January 30, 1970

August 7-14-21-28	Placement tests in Administration Building at one of the following times: 8:00 a.m., 10:00 a.m., 7:00 p.m.
August 4	Registration for returning students begins
August 18	Counseling and Registration for Fall Semester begins
September 5	Freshman Orientation
September 5	Validation Day
September 11	INSTRUCTION BEGINS, FALL SEMESTER
October 24	Last day to drop classes without prejudice
November 3-7	Mid-Term Week
November 11	Holiday, Veterans Day
November 17	Counseling and Registration for Spring Semester begins
November 27-28	Holiday, Thanksgiving Day Recess
December 22-January 2	Holiday, Christmas and New Year's Day Recess
January 5	Classes Resume
January 22-28	Final Examinations
January 30	End of Fall Semester

## SPRING SEMESTER

February 2, 1970-June 12, 1970

January 29-30	Validation Days
February 2	INSTRUCTION BEGINS, SPRING SEMESTER
February 12	Holiday, Lincoln's Birthday
February 23	Holiday, Washington's Birthday
March 13	Last day to drop classes without prejudice
March 23-27	Spring Vacation
March 30	Classes Resume
March 30-April 3	Mid-Term Week
April 3	Last day to file intent for graduation
May 4-June 12	Counseling and Pre-Registration of enrolled students for Summer and Fall Sessions
May 29	Holiday, Memorial Day
June 5-11	Final Examinations
June 12	End of Spring Semester
June 12	Commencement Exercises

## SUMMER SESSION

June 15, 1970-August, 1970

June 15	INSTRUCTION BEGINS, SUMMER SESSION
July 3	Holiday, Independence Day
July 24	End of 6 week session
August 7	End of 8 week session
August 21	End of 10 week session



The College



## THE COLLEGE

### 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.

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.

The college, in its first two years of operation, has grown from less than 1,200 day students in its first semester to over 2,200 day students in its second year and with close to 2,000 attending the college in the evening program. 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 year the college expanded its course offerings and programs.

Moorpark College today looks forward to a growing future of serving the educational needs of eastern Ventura County.

## **THE 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 destined 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.

## **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 technical-vocational training that prepares for tomorrow as well as today. Technical-vocational 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 SERVICE

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, educational, 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.

### *COUNSELING*





## **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.

## **EVENING CLASSES**

Courses are offered by Moorpark College during the late afternoon and evening hours. These are regular college courses and carry the same requirements and credits as the day classes. It is possible for a student to meet all requirements for graduation through evening class attendance. Continuing education curricula, including certificate, technical-vocational, and professional programs, are offered by the college to meet the needs of interested citizens in the community.

## **SUMMER SESSION**

Moorpark College will conduct a summer session immediately following the close of the spring semester. This session will operate day and evening classes and begin on June 15, 1970 and end in August, 1970. Courses will be offered to meet the needs of interested students. Registration for summer session will begin May 4, 1970.



# ADMISSIONS AND RECORDS

## 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 residents whose legal address is outside of Ventura County are required to furnish a written permit from the junior college district where they legally reside. (Exception listed under OUT-OF-DISTRICT PERMITS, Pages 14-15.)

**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.

1. **APPLICATION FOR ADMISSION** – Applications may be obtained by calling at the Records Office, (529-2321, extension 55), or by writing to that office. These forms should be returned before August 29 for admission to the fall semester and before January 23 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 Dean of Students, Moorpark College. Students who have previously attended college must request that all colleges attended forward official transcripts to the Dean of Students, Moorpark College.
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.

All day students entering college for the first time, and students transferring from other colleges who have not successfully completed 15 units of college work must take the placement tests. Evening students who plan to enroll in courses requiring test scores should take the placement tests. The college schedule of evening classes will indicate courses which require testing.

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 80, or by writing to the Dean of Students, 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. **COMPLETING REGISTRATION** – Immediately following the counseling conference, students will register in classes, file their registration packets, complete a Health Inventory Form, purchase a student body card, and provide the college with their Social Security number.
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 5, day students who have completed their registration process will validate their registration by securing their schedule of classes, student body identification card, and parking permit.
8. **FRESHMEN 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 5. Validation of registration will follow the program.

## OUT OF DISTRICT PERMITS

Students desiring to attend a junior college outside of Ventura County 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.

## PERMITS TO ENTER

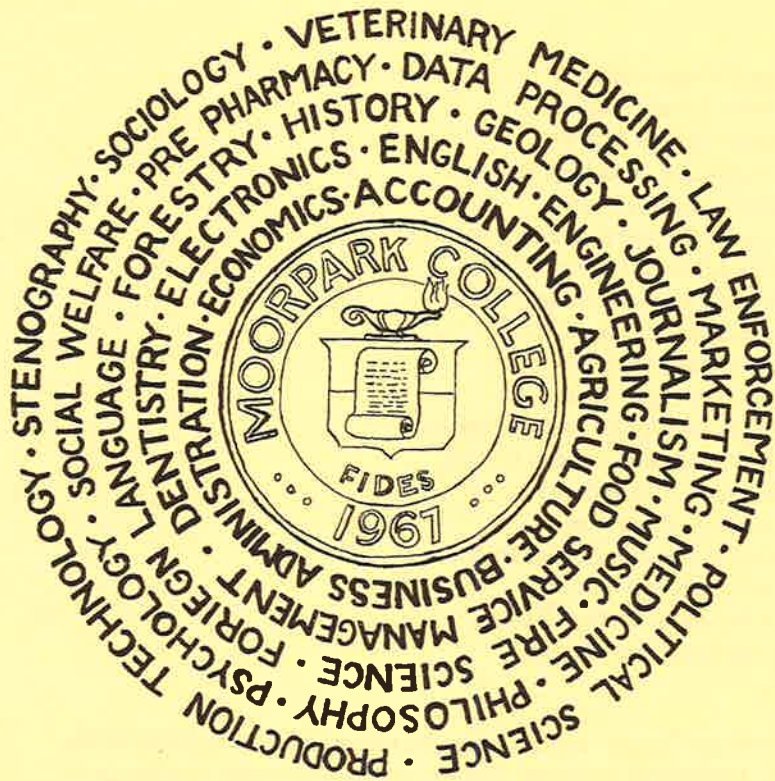
Restricted admission of students to Ventura County Junior College District from other state junior college districts. According to the Notices of Restriction in effect as of April 1, 1969, and thereby effective for the fiscal year 1969-70, students with legal residence in the junior college districts listed below must present permits for attendance before completing registration for classes in the Ventura County Junior College District. The

purpose of this list is to meet the requirement of Education Code Section 25505.5.

Butte Junior College District  
Cabrillo Junior College District  
Cerritos Junior College District  
Coachella Valley Junior College District  
Coalinga Junior College District  
Compton Junior College District  
Foothill Junior College District  
Fremont-Newark Junior College District  
Gavilan Joint Junior College District  
Marin Junior College District  
Merced Junior College District  
Monterey Peninsula Junior College District  
Mt. San Jacinto Junior College District  
Redwoods Junior College District  
Riverside Junior College District  
San Joaquin Delta Junior College District  
San Jose Junior College District  
Siskiyou Joint Junior College District  
West Kern Junior College District

**Restricted transfer of Ventura County Junior College District students.** According to the Interdistrict Attendance Agreements executed, and Notices of Restriction in effect as of April 1, 1969, and thereby effective for the fiscal year 1969-70, students with legal residence in the Ventura County Junior College District must apply for permits to attend any of the following junior college districts in the State of California:

Butte Junior College District  
Cabrillo Junior College District  
Cerritos Junior College District  
Coachella Valley Junior College District  
Coalinga Junior College District  
Compton Junior College District  
Foothill Junior College District  
Fremont-Newark Junior College District  
Gavilan Joint Junior College District  
Marin Junior College District  
Merced Junior College District  
Monterey Peninsula Junior College District  
Mt. San Jacinto Junior College District  
Redwoods Junior College District  
Riverside Junior College District  
San Joaquin Delta Junior College District  
San Jose Junior College District  
Siskiyou Joint Junior College District  
West Kern Junior College District



# Student Services



# **STUDENT SERVICES AND PROCEDURES**

## **COUNSELING**

Counseling services are provided for every student to assist him in choosing courses and planning his future from the point of view of his immediate needs, aspirations, and purposes. These services are available at the time of registration and throughout enrollment in the college. The counselor helps each student work out a program of courses consistent with his previous educational experience, interests, and aptitudes. The Counseling Center is located in the Administration Building. Students at Moorpark College should be aware that instructors, as well as counselors, are available and willing to assist them in vocational and educational planning.

## **HEALTH SERVICES**

The Health Center is located in the Administration Building, A-115. The college nurse is on duty daily to confer with students regarding health and illness problems. 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**

The Occupational Information room, located in the Counseling Center, 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.



## 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.

## EVALUATION OF TRANSFER CREDIT

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.

## 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 encouraged to complete the University of Michigan English Language Institute examination.
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 certificate, which may be a copy of the health certificate for visa purposes.
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.

## EXPENSES

There is no tuition fee for students who qualify as legal residents of California. The non-resident tuition fee for the academic year 1969-70 is \$390 or \$195 per semester. Students taking 7 to 15 units will pay \$13.00 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 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 to \$60 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.

## ATTENDANCE

Students at Moorpark College are expected to attend classes regularly. The faculty places

strong emphasis on consistent attendance.

If attendance is irregular and absences excessive, the instructor may, after due warning, recommend that a student be dropped from the class and a failing grade be recorded for the course. Students should confer with each instructor when absence is due to illness.

Students who are absent from college for more than three days as a result of illness or accident, must notify the Records Office. Instructors will then be notified.

### **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.

### **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.

### **AUDITING**

Auditing is not permitted at Moorpark College.

### **INCOMPLETE**

A grade of incomplete, "INC", indicates failure to complete the required work of the course because of extenuating circumstances. An "incomplete" must be removed during the semester following that in which it was received. All "incompletes" not removed by the end of the following semester automatically become "F" grades.

### **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.

## 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.

## 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.





## Financial Aids

# **FINANCIAL AIDS**

## **APPLICATIONS AND INFORMATION**

Financial aid information and applications are available at Moorpark College from the office of the Dean of Students for qualified students in the form of scholarships, grants, loans, and opportunities for part-time work. The basic premise is that the student and his family are expected to bear as much of the costs as their circumstances will permit. When resources are not adequate to meet a normal budget, the college will attempt to assist the student with supplemental financial aid.

## **SCHOLARSHIPS**

All scholarship awards are made on a competitive basis, consideration being given to scholastic achievement, financial need, and promise. Eligibility for a scholarship is determined from the applicant's statement, official transcripts, letters of recommendation, and the Parents' Confidential Statement. Deadline for scholarship applications is April 17, 1970.

## **EDUCATIONAL OPPORTUNITY GRANT**

The Educational Opportunity Grant is a Federal program of direct award. Students with exceptional financial need and who require such assistance to attend Moorpark College will be eligible. The grant ranges from \$100 to \$1,000 an academic year, and can be no more than one-half of the total assistance given the student.

## **WORK-STUDY OPPORTUNITIES**

The Work-Study Program is designed to stimulate and promote the part-time employment of students who are in need of earnings to pursue a full-time course of study. Employment under this program is limited to citizens of the United States or permanent residents of the United States.

## **LONG-TERM LOANS**

The National Defense Student Loan Program provides loans for students with financial need. The loans provide simple interest upon the unpaid balance and will be repayable after the borrower ceases to be a full-time student. The State Guaranteed Loan Program is available to any student enrolled whose family adjusted income is below \$15,000 a year. These long-term loans will be made by banks and credit unions and provide deferred payment and interest until graduation or termination of higher education.

## **SHORT-TERM LOANS**

The short-term loan funds are established to meet the emergency need of a student at the time of enrollment. These loans are without interest and payable within 30 or 90 days depending upon the fund from which the loan is drawn.

## 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.

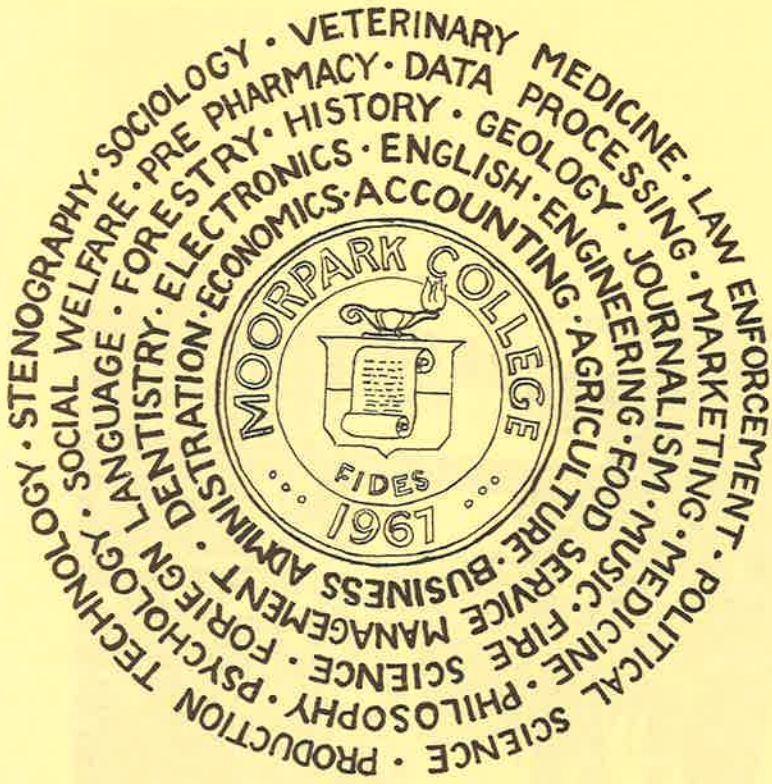
Referrals for placement are made on the basis of qualities demonstrated by the student during his college attendance. Since employers rely upon the college to furnish them with information helpful in evaluating applicants, the office works in close cooperation with department heads and instructors. Application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







*SERVING ALL OF THE COMMUNITY*



# Academic Policies

## **ACADEMIC POLICIES**

### **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.

### **DEANS' 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.

### **FINAL EXAMINATIONS**

Final examinations are required at the conclusion of each semester according to a published examination schedule. If circumstances are such that the student finds it impossible to meet the final examination schedule, he must confer with the Dean of Students regarding an adjustment or a deferment.

## **ADMISSION—PROBATION—DISMISSAL**

### **A. INTRODUCTION**

Admission-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.

## LIBRARY

The focal point of the Moorpark College campus is the library. At present, only the first floor of the building is devoted to library functions. It contains books, periodicals, pamphlets, government documents, audio-visual materials in direct support of instructional programs, and also recreational reading and listening materials. In addition to the main reading room and book stacks, there are other facilities on the first floor: a student typing room, conference rooms for small groups, a browsing area with new books, popular periodicals, newspapers, and art displays. Individual study spaces are emphasized in the library.

The audio-visual center has a film preview room, listening stations, micro-film readers and facilities for educational television programs. The library has approximately 280 seating spaces and will eventually contain about 100,000 volumes. Students are invited to visit the library frequently, and to take advantage of its many materials and services.

## 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 has been satisfactorily completed at a previous school.
3. Eligibility for students to qualify for credit by examination will be based on completion of at least 12 units of work with a minimum grade point average of 2.0 at the district colleges.

## GRADUATION REQUIREMENTS

As authorized by the Education Code and Title 5 of the Administrative 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. <b>Social Science</b><br>(Including at least three (3) semester units in American History and Institutions.)                                   | 6 <del>8</del> |
| 2. <b>English/Speech</b><br>3 to 6 units as required in transfer major.<br>Must include at least three (3) semester units in English composition. | <del>6</del> 3 |
| 3. <b>Natural Science/Mathematics</b>   | 3 <del>5</del> |
| 4. <b>Fine Arts</b>   | 2              |
| 5. <b>Health Education</b>  | 2              |
| 6. <b>Physical Education (4 semesters required)</b>   | 2              |

C. In designated occupational curricula, the Associate in 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

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.

## VETERANS

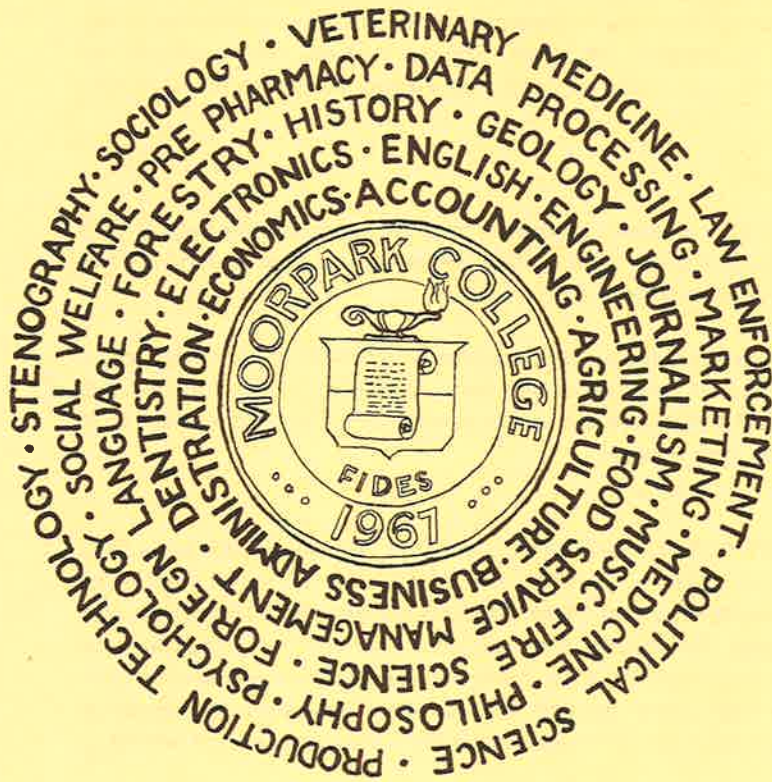
The office of the Dean of Students maintains liaison with the Veterans Administration and the State Department of Veterans Affairs.

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.



# General Education Requirements



## GENERAL EDUCATION REQUIREMENTS

Four year institutions vary in freshman and sophomore requirements, even on the various campuses of a single system such as the University of California. Students are therefore advised to become familiar with specific requirements of the institution to which they expect to transfer by study of the appropriate catalogs available in the Counseling Center and in the Library.

Included in this catalog are representative curriculum requirements from state colleges and universities. These courses should be taken in addition to the General Education requirements of Moorpark College. 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 following 40½ unit General Education pattern.

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:

#### Group A – Biological Sciences

An 1	General Human Anatomy	Bot 3A	Plant Identification
Biol 2A	General Biology	Bot 3B	Plant Identification
Biol 2B	General Biology	Bot 10	Environmental Botany
Bot 1	General Botany	Env Sci 1	Environmental Science
		Phys 1	Intro to Human Physiology

#### Group B – Physical Sciences

Chem 1A	General Chemistry	Geol 16	Petrology
Chem 1B	General Chemistry	Geol 21	Geology of California
Chem 5	Quantitative Analysis	Geol 31	Rocks and Minerals
Chem 7A	Organic Chemistry	Geol 41	Geology of National Parks and Monuments
Chem 7B	Organic Chemistry	Ph 2A	General Physics
Chem 8	Elementary Organic Chemistry	Ph 3*	The Arts of Experimental Investigation
Chem 9	Organic Chemistry Lab		

Chem 12	Elementary Chemistry I	Ph 2B	General Physics
Chem 13	Elementary Chemistry II	Ph 4A	Mechanics of Solids
Chem 14	Introductory Organic Chemistry	Ph 4B	Mechanics of Fluids, Heat and Light
Env Sci I	Environmental Science	Ph 4C	Electricity and Magnetism & Optics
Geol 2	Physical Geology	Ph 4D	Modern Physics
Geol 2L	Physical Geology Lab	Ph 10	Descriptive Physics
Geol 3	Historical Geology	Ph 11	Technical Physics
Geol 15	Mineralogy & Crystallography	Phy Sci 1A	Intro to Physical Science
		Phy Sci 1B	Intro to Physical Science

\*Ph 3 must be taken with Ph 2A

## 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

### Group B

Any two 1½ unit courses from the English 1B series.

### Group C

Engl 10	Creative Writing	Hist 1A	Western Civilization
Engl 15A	Survey of Engl. Lit.	Hist 1B	Western Civilization
Engl 15B	Survey of Engl. Lit.	MAS 2	Mexican-American Culture
Engl 17	Shakespeare	Phil 1A	Intro to Philosophy
Engl 18	Modern American Novel	Phil 3	Comparative Religions
Engl 19	Intro to Short Story	Spn 4	Intro to Hispanic Lit.
Engl 30	Masterpieces/World Lit.	Speech 1	Intro to Speech
Engl 31	Masterpieces/World Lit.	Speech 2	Elements of Public Speaking
Engl 35A	Survey of American Lit.	Speech 5	Elementary Oral Interpretation
Engl 35B	Survey of American Lit.	ThA 2A	Fundamentals of Acting
Engl 45	Mexican-American Lit. in English	ThA 24	Intro to the Theatre
Engl 46	Afro-American Lit in English		

## 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 Gov'ts	Pol Sci 10	Intro to Public Adminis.

### Group C

Anth 2	Cultural Anthropology	MAS 1	Mexican-American in Contemporary Society
Econ 1A	Principles of Econ.	Psych 1A	General Psychology
Econ 1B	Principles of Econ.	Psych 2	Personal & Social Adjust.
Geog 2	Elements of Cultural Geography	Soc 1	Intro to Sociology
Geog 11	Geography of World Affairs	Soc 2	Social Problems

## IV. BASIC SKILLS

A minimum of 3½ units with at least one course from each of the following groups:

### Group A

One course from the English 1A series

### Group B

Read 4A	Techniques of Reading	Math 25C	Calculus w/Analytic Geom III
Math 3	Intermediate Algebra	Math 31	Intro to Linear Algebra
Math 5	Plane Trigonometry	Math 33	Intro to Analysis
Math 7	Integrated College Algebra/Trig	Math 35	Applied Linear Algebra & Differential Equations
Math 10	Principles of Math	Math 45	Slide Rule
Math 15	Intro 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 Geom. I	ThA 2	Fundamentals of Acting
Math 25B	Calculus w/Analytic Geom. II	ThA 10	Rehearsal and Performance

## V. ELECTIVE COURSES

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

Art 4A	Color and Design	Hist 9B	History of the Americas
Art 12A	Drawing and Comp.	Hist 10A	African History
Engl 1B	Comp. and Lit.	Hist 10B	African History
For Lan	Foreign Language course	Hist 15A	Intro to History of Asia
Geog 10	Geography of Calif.	Hist 15B	Intro to History of Asia
Hist 1A	Intro to West. Civil.	Hist 20	History of American Foreign Policy
Hist 3	Afro-American History	Pol Sci 7	Minority Group Relations
Hist 8	History of Calif.		

## 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. Two units of health education is required.

### DESCRIPTION OF COURSES

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

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

**Schedule of Courses**—Courses listed below are offered as a regular part of established curricula or when demand warrants. The current class schedule should be consulted to determine the availability of specific courses.

*THE LIBRARY*





## Programs of Study

# AGRICULTURE

## GENERAL AGRICULTURE

Faculty: Donald Anderson, Maynard Sommer

Counselor: Maynard Sommer

The general agriculture major prepares students for diversified farming where a knowledge of farm crops, livestock, and farm machinery is necessary. This is not intended to be an Agriculture major curriculum 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 & Calif. Poly College			University of California, Davis		
AH 1	Intro Animal Husbandry	3	AB 1	Intro to Agri. Business	3
AH 2	Advanced Animal Husbandry	3	AH 2	Advanced Animal Husbandry	3
Agron 1	Intro to Agronomy	3	Agron 1	Intro to Agronomy	3
Hort 10	Intro to Horticulture	3	Hort 10	Intro to Horticulture	3
LH 1	Intro to Landsc. Hort.	3	LH 1	Intro to Landsc. Hort.	3
Ag 21	Soils	3	Ag 21	Soils	3
Ent 1	Economic Entomology	3	Ent 1	Economic Entomology	3

### REQUIRED GENERAL EDUCATION COURSES

Chem 12	Elementary Chem. I	4	Chem 1A-B	General Chemistry	5,5
Chem 13	Elementary Chem II	4	Chem 8	Elementary Organic Chemistry	3
Chem 14	Intro Organic Chemistry	4	Biol 2A-B	General Biology	4,4
Biol 2A-B	General Biology	4,4	Math 16A-B	Calculus	3,3
Econ 1A	Principles of Economics	3	Math 15	Statistics	4
Math 3	Intermediate Algebra	4	Ph 2A-B	General Physics	4,4

## ANIMAL HUSBANDRY/AGRI-BUSINESS

Faculty: Don Anderson, Maynard Sommer

Counselor: Maynard Sommer

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	Advanced Animal Husbandry	3
AB 1	Introduction to Agriculture Business	3
Agron 1	Introduction to Agronomy	3
Bot 10	Environmental Botany	4

### RECOMMENDED COURSES FOR THE MAJOR

Ag 2	Agricultural Projects	1-4
Ag 10	Agriculture Construction and Maintenance	2
Ag 21	Soils	3
Ag 22	Directed Studies in Agriculture	1-3
Ag 49	Directed Work Experience in Agriculture	1-3
AB 9	Agriculture Mathematics	1
Chem 12	Elementary Chemistry	4
Speech 15	Practical Speech	3

## FORESTRY

Faculty: Donald Anderson, Clinton Schonberger

Counselor: Maynard Sommer

The program in Forestry provides a broad general experience in the arts and sciences to develop an individual with a well-rounded education; and a core of basic courses which furnish the student with a perspective of the scientific and professional area of Forestry.

### REQUIRED COURSES IN THE MAJOR

#### Humboldt State College

For 1	Intro to Forestry	3
For 2	Natural Resources	3
Ag 21	Soils	3
Biol 2A	General Biology	4
Bot 1	General Botany	5
Bot 3A	Plant Identification	2
Ph 2A-B	General Physics	4,4
Math 7	Col. Alg & Trig.	5
Math 25A	Cal/Analytic Geom.	5
Engr 8	Plane Surveying	3
DP 1	Intro to Data Processing	3
DP 4A	Computer Programming	3
Chem 12	Elementary Chem I	4
Chem 13	Elementary Chem II	4

#### University of California, Berkeley

Biol 2A-B	General Biology	4,4
Chem 1A-B	General Chemistry	5,5
Ph 2A-B	General Physics	3,4
Econ 1A-B	Principles of Econ.	3,3
Geol 2	Physical Geology	3
Geol 2L	Physical Geology Lab	1
Math 15	Intro Statistics	4
Math 16A-B	Applied Calculus	3,3
Engr 8	Plane Surveying	3



## RECOMMENDED COURSES IN THE MAJOR

Biol 2B	General Biology	4	Bot 3A-B	Plant Identification	2,2
Ent 1	Economic Entomology	3	Ent 1	Economic Entomology	3

## NATURAL RESOURCES TECHNICIAN

Faculty: Don Anderson, Clinton Schonberger

Counselor: Maynard Sommer

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
LH 2	Plant Propagation	3
LH 5	Plant Identification	2
Ag 21	Soils	3
Ent 1	Economic Entomology	3

## RECOMMENDED COURSES FOR THE MAJOR

Ag 10	Agriculture Construction & Maintenance	2
LH 23	Landscape Gardening and Management	3
Bot 10	Environmental Botany	4
Bot 3A-B	Plant Identification	2,2
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

This is an open-ended curriculum in which the basic skills necessary for good jobs in government resources agencies are provided. In several different fields, upgrading can be accomplished by advanced courses in fire protection, horticulture, and engineering technology.

## LANDSCAPE HORTICULTURE

Faculty: Donald Anderson; Clinton Schonberger; Maynard Sommer

Counselor: Maynard Sommer

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

LH 1	Introduction to Landscape Horticulture	3
LH 2	Plant Propagation	3
LH 3	Turfgrass Selection and Use	3
LH 4	Turfgrass Maintenance and Management	3
LH 5	Plant Identification	3
LH 23	Landscape Gardening and Management	3
Ag 21	Soils	3
Ent 1	Economic Entomology	3
AB 1	Introduction to Agriculture Business	3

### RECOMMENDED COURSES FOR THE MAJOR

AB 9	Agriculture Mathematics	1
Ag 2	Agricultural Projects	1-4
Ag 10	Agriculture Construction and Maintenance	2
Ag 22	Directed Studies in Agriculture	1-3
Ag 49	Directed Work Experience in Agriculture	1-3
Chem 12	Elementary Chemistry I	4
Speech 15	Practical Speech	3
Bot 10	Environmental Botany	4



## ***Course Descriptions***

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### **Ag 2A-B-C-D - AGRICULTURE PROJECTS**

**1-4 Units**

Prerequisite: Consent of instructor and Division Chairman.  
3-12 hours laboratory weekly.

Planning, development, and execution of individual agriculture production projects under the supervision of a faculty advisor; an organized program to enable the student to gain practical skills and experiences in agriculture. Maximum of 12 units for Ag 2A-2B-2C-2D.

### **Ag 10 - AGRICULTURE CONSTRUCTION AND MAINTENANCE**

**2 Units**

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

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

### **Ag 21 - SOILS**

**3 Units**

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

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

### **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 lecture 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.

## **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. (F)

## **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.

## **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 - ADVANCED ANIMAL HUSBANDRY**

**3 Units**

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

Management of livestock units common to the community. Management of purebred and commercial beef herds including selection of breeding stock. Feed lot operation and marketing of slaughter and purebred cattle. Breed-selection, care, and feeding of light horses, their place and use in the agriculture of California. Poultry production, including brooding, rearing, laying flocks, feeding and housing.

#### **AH 6 - LIVESTOCK HEALTH AND NUTRITION**

**3 Units**

Prerequisites: None.

2 hours lecture, 3 hours laboratory weekly.

Sanitation practices, causes, symptoms, prevention and treatment of common livestock diseases and parasites. Composition of feeds and their uses in animal nutrition, assimilation of feeds, balancing rations. Pasture, range, and feed lot feeding of healthy animals. Management of pastures and feeding in relation to disease and parasites.

#### **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.

General principles of forestry including location, history, importance, protection and proper use of our forest and forest products. Identification of plant materials in the forest areas of Southern California.

#### **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 10 - INTRODUCTION TO HORTICULTURE**

**3 Units**

Prerequisite: Agron 1 or consent of instructor.

2 hours lecture, 3 hours laboratory weekly.

Elementary botany of fruit and nut crops including growth and fruiting habits; varieties, characteristics and adaptations as related to farming practices; environmental factors influencing fruit production operations; pruning and training procedures of local fruit and nut crops. Study of management operations and cultural practices on fruit and nut crops in the area.

#### **LH 1 - INTRODUCTION TO LANDSCAPE 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.

#### **LH 2 - PLANT PROPAGATION**

**3 Units**

Prerequisites: None.

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.

### **LH 3 - TURFGRASS SELECTION AND USE**

**3 Units**

Prerequisites: None.

2 hours lecture, 3 hours laboratory weekly.

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 4 - TURFGRASS MAINTENANCE AND MANAGEMENT**

**3 Units**

Prerequisite: LH 3 or consent of instructor.

2 hours lecture, 3 hours laboratory weekly.

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.

### **LH 5 - PLANT IDENTIFICATION**

**2 Units**

Prerequisites: None

2 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.

### **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**

**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.



## ART

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

Counselor: Carole Ginet

The artist sees, restructures, and interprets man and his universe. The principle of color and design inherent in all things are shaped in the artist's hands through media such as acrylics, plaster, steel, clay, and bronze. The vision of the artist is essential in architecture, the design of clothing and decorative works of every kind and, in effect, in every facet of life. Art enhances man's surroundings, makes them more livable, and enables the individual to perceive more clearly. As the technological revolution progresses, the artist will become more and more important in designing products and in interpreting man to himself.

### REQUIRED COURSES IN THE MAJOR

#### San Fernando Valley State College

Art 1A-1B	Art History	3,3
Art 4A-4B-4C	Color and Design	2,2,2
Art 12A-12B	Drawing & Composition	2,2

#### University of California, Santa Barbara

Art 1A-1B	Art History	3,3
Art 4A-4B-4C	Color and Design	2,2,2
Art 12A-12B	Drawing & Composition	2,2



Art 19	Sculpture (Fine Arts or Crafts option)	2	Art 19	Sculpture	2
			Art 16A-16B	Painting	2,2
Art 16A-16B	Painting (Fine Arts Option)	2,2			
Cr 8	Ceramics (Ceramics Option)	2			
Photo 1	Photography (Design Option)	2			

### REQUIRED GENERAL EDUCATION COURSES

For Lan Foreign Language  
(3 semesters or 5 quarters)

### RECOMMENDED GENERAL EDUCATION COURSES

Hist 1A-1B	Intro to West Civ	3,3	Hist 1A-1B	Intro to West Civ	3,3
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## *Course Descriptions*

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### **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**

Prerequisites: None  
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 4A-B-C - COLOR AND DESIGN**

**2-2-2 Units**

Prerequisites: Art 4A for Art 4B; Art 4B for Art 4C or permission of instructor.  
1 hour lecture, 3 hours studio weekly

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

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 12A-B - DRAWING AND COMPOSITION**

**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 4A and 4B and Art 12A and 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 19 - SCULPTURE**

**2 Units**

Prerequisites: Art 12A-B  
6 hours studio weekly.

The forming of figures and abstract shapes in wood, plastics, and welded steel. Exploration of the mechanics of making molds of various materials, such as wax, rubber, plastics, plaster and sand. (F)

### **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)

### **Cr 8A-B - BEGINNING CERAMICS**

**2-2 Units**

Prerequisite: Cr 8A for Cr 8B  
6 hours studio 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.

## **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.



***SCIENCE BUILDING***

# BIOLOGICAL SCIENCES

## BIOLOGY

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

Counselor: William Jay

The word "biology" is from two Greek words meaning "life" and "science"—or the science of life. Thus, the biologist is concerned with the world of living things—men and microbes, wild and domestic animals, plants and insects, birds and fish. Some scientists in this field conduct research to expand our knowledge about living organisms; others teach in colleges and universities and also conduct research. Still others apply biological knowledge to the solution of practical problems in drug research, agriculture, and conservation. Graduates also find satisfying employment in fisheries, forestry, wildlife management, food processing, public health, fermentation, and medical research.

### REQUIRED COURSES IN THE MAJOR

#### San Fernando Valley State College

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

#### University of California, Santa Barbara

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

### REQUIRED GENERAL EDUCATION COURSES

For Lan Foreign Language 4,4,4

### RECOMMENDED GENERAL EDUCATION COURSES

Bot 1	General Botany	5	Bot 1	General Botany	5
Bot 3A-B	Plant Identification	2,2	Bot 3A-B	Plant Identification	2,2

## PHYSICAL THERAPY

Counselor: Maxine Tallman

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	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

## PRE-DENTAL

Counselor: Maxine Tallman

Most graduates of the dental curriculum enter the field of general practice. However, today more and more dentists are entering the field of public health. Specialty fields such as oral surgery, orthodontics, and the control of dental disease offer opportunities for those interested and qualified in the additional work that will prepare them for those specialities.

## REQUIRED COURSES IN THE MAJOR

University of California, Los Angeles

University of Southern California

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

## REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4,4
Psych 2	Personal/Social Adjust	3
Engl 1A-B	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

## PRE-DENTAL HYGIENE

Counselor: Maxine Tallman

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
Chem 8	Elementary Organic Chemistry	3
Chem 9	Organic Chem Lab	3

### REQUIRED GENERAL EDUCATION COURSES

Engl 1A-B	Composition and Lit	3,3
Psych 2	Personal and Social Adjustment	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

## PRE-MEDICINE

Counselor: Maxine Tallman

The field of medicine has been considered for over three thousand years to be one of the humane arts. The curriculum leading to the degree of Doctor of Medicine provides the student with the means by which he may prepare himself for the demanding profession in which he is responsible for the care of patients; for the cure and prevention of illness; and

for teaching and research. Graduates may elect further training for a choice of careers; special practice in surgery; pediatrics; psychiatry; academic medicine; public health; and in industrial medicine.

### REQUIRED COURSES IN THE MAJOR

University of California, Los Angeles			University of Southern California		
Chem 1A-B	General Chemistry	5,5	Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4	Chem 5	Quantitative Analysis	4
Chem 7A-B	Organic Chemistry	5,5	Chem 7A-B	Organic Chemistry	5,5
Biol 2A-B	General Biology	4,4	Biol 2A-B	General Biology	4,4
Math 16A	Applied Calculus	3	Math 16A	Applied Calculus	3

### REQUIRED GENERAL EDUCATION COURSES

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

### RECOMMENDED GENERAL EDUCATION COURSES

Psych 2	Personal & Social Adjust.	3
Phil 1A	Intro to Philosophy	3

## VETERINARY MEDICINE

Counselor: Maynard Sommer

Career opportunities are many and varied for those trained to alleviate and prevent diseases in animals. Caring for the nation's animals attracts the majority of the graduates into private practice. However, fields such as teaching, research, government service, space medicine, public health, bio-medical research, laboratory animal medicine, and drug research are attracting more and more of those trained in veterinary medicine.

### REQUIRED COURSES IN THE MAJOR

California State College, Davis		
Chem 1A-B	General Chemistry	5,5
Chem 7A-B	Organic Chemistry	5,5
Chem 5	Quantitative Analysis	4
Ph 2A-B	General Physics	3,4
Biol 2A-B	General Biology	4,4
AH 1	Introductory Animal Husbandry	3

### RECOMMENDED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4
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## ***Course Descriptions***

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### **ANATOMY**

#### **An 1 - GENERAL HUMAN ANATOMY**

**4 Units**

Prerequisite: Satisfactory score on placement test.

2 hours lecture, 5 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. (F)

### **BACTERIOLOGY**

#### **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.

### **BIOLOGY**

#### **Biol 2 A-B - GENERAL BIOLOGY**

**4-4 Units**

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

3 hours lecture and 3 hours laboratory weekly.

First semester—This general course emphasizes the cell and the organism, with particular attention to the structure of the vertebrates and man. Second semester—This course emphasizes the population and the community with special reference to ecosystems, biotic communities, heredity and evolution. (F,S)

#### **Biol 22 A-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.

## BOTANY

### 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 A-B - PLANT IDENTIFICATION

2-2 Units

Prerequisite: Biol 2A  
1 hour 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.

### Bot 10 - ENVIRONMENTAL BOTANY

4 Units

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

Overview of the physiological and morphological patterns in representative members of the plant groups; additional emphasis upon plant environment factors, both naturally and agriculturally induced.



## **Env Sci 1 - ENVIRONMENTAL SCIENCE**

**4 Units**

Prerequisites: None.

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.

## **PHYSIOLOGY**

### **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.

## **ZOOLOGY**

### **Zoo 1 A-B - GENERAL ZOOLOGY**

**5-5 Units**

Prerequisite: Satisfactory score on placement test. Zoo 1A for Zoo 1B

3 hours lecture, 6 hours laboratory weekly.

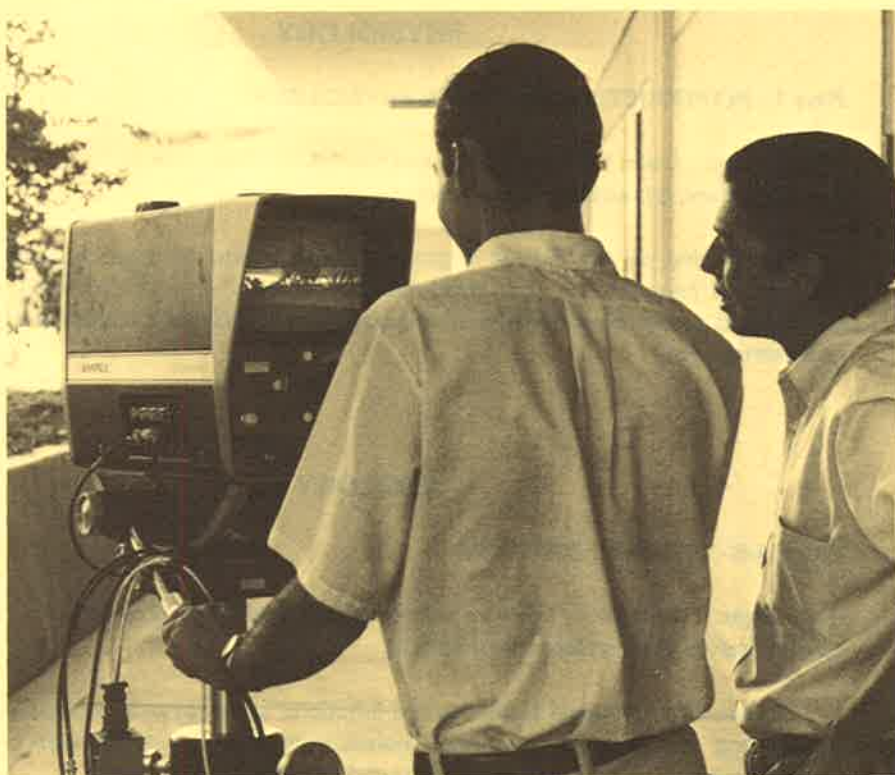
Introduction to animal structures and functions; survey of animal kingdom; biological interactions; comparative functional morphology; Zoo 1A emphasizes invertebrates (except echinoderms); Zoo 1B emphasizes chordates and echinoderms.

# 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 College

Broad 1	Intro to Broadcasting	3
Broad 2	Radio-T.V. Workshop	3
Journ 1	News Reporting	3

### University of California, Los Angeles

ThA 2A	Fund. of Acting	3
ThA 20A-B	Theatre Production	2,2
ThA 21A-B	Theatre Production 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-Television Writing	2	Broad 4	Television Directing	2
Broad 6A-B	FCC Basic Review	3,3	Broad 5	Radio-Television 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	Radio-Television Workshop	2
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

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

## *Course Descriptions*

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### **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 - RADIO AND TELEVISION WORKSHOP****2 Units**

Prerequisites: Broadcasting 1  
6 hours laboratory weekly.

Basic studio and control room operation. Practical experience in the various aspects of production, explanation of program patterns, studio procedures, use of equipment, production of programs, and radio-television acting. (F)

**Broad 3 - TELEVISION 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)

# BUSINESS

## BUSINESS ADMINISTRATION

Faculty: Kenneth Ainge, Division Chairman; William Dickneider; William Rodgers,  
Department Head

Counselor: Knox Long

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 33	Business Law	3	Bus 33	Business Law	3
Math 7	Integrated College Algebra w/Trig	5	Math 15	Introductory Statistics	3
or			Bus 31	Business Organization and Management	3
Math 16A	Calculus w/Analytic Geom	3	Bus 9	Business Lectures	1
Bus 31	Business Organization and Management	3			
Bus 9	Business Lectures	1			

### BUSINESS MANAGEMENT

Faculty: Kenneth Ainge, Division Chairman; Donald Bowen; Richard Lietzau;  
William Rodgers

Counselor: Knox Long

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 9	Business Lectures	1
Bus 33	Business Law	3
Psych 9A	Psychology of Personal Assessment	3
Bus 50	Elements of Supervision	3
Bus 4	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

Faculty: Kenneth Ainge, Division Chairman; William Rodgers

Counselor: Maxine Tallman

This program is designed both for students wishing to enter into the industrial supervisory field and those now currently employed in an industry supervisory position. Students may qualify for a Certificate in Industrial Supervision that is both highly practical as well as theoretical. This program is designed to provide assistance to management in the development of qualified foremen and supervisors for industry.

## REQUIRED COURSES FOR THE MAJOR

Bus 50*	Elements of Supervision	3
Bus 31*	Business Organization & Management	3
Bus 51*	Personnel Management	3
Bus 52*	Labor Management Relations	3
Bus 53*	Cost and Job Control for Supervisors	3
Bus 33*	Business Law	3
Bus 9	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
DP 10	Data Processing Methods for Business	2
Bus 39*	Business Communications	3
Bus 49A-B	Directed Work Experience	1-3
Bus 40	Personal Finance	3
Bus 3	Applied Accounting	3



Evening students may substitute 6 units of General Education electives for Certificate program and 12 units for the A.A. degree.

\*A successful completion of these courses will enable the students to receive the Certificate in Industrial Supervision.



## INTERIOR DESIGN SALES

Counselor: Maxine Tallman

The interior design sales curriculum has been developed in cooperation with representatives of the home furnishings industry and the Home Furnishings Education Foundation. Students who successfully complete the curriculum will be prepared to assume various positions in sales, purchasing and management in the industry.

### REQUIRED COURSES IN THE MAJOR

Art 2	Art Appreciation	3
Art 4A-B	Color and Design	2,2
HE 5	Home Furnishings	5

HE 18	Apparel Selection & Grooming	2
HE 19	Textiles	2
Bus 30	Intro to Business	3
Bus 35	Salesmanship	3
Bus 36	Retail Merchandising	3
Bus 38	Advertising	3

### RECOMMENDED COURSES FOR THE MAJOR

Bus 9	Business Lectures	1
Econ 10	The American Economy	3
Psych 9A	Psychology of Personal Assessment	3
Soc 4	Marriage and the Family	3
HE 20	Home Management	2
HE 25	Home Furnishings Lab	2
Bus 37	Marketing	3
HE 4	Household Equipment Management	1
ET 16	Residential Design	3
HE 49A-B or	Directed Work Experience	1-3
Bus 49A-B	Directed Work Experience	1,3
Chem 12	Elementary Chemistry	4

### MARKETING

Faculty: Kenneth Ainge, Division Chairman; Donald Bowen; Richard Lietzau;  
William Rodgers, Department Head

Counselor: Knox Long

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 33	Business Law	3
Bus 50	Elements of Supervision	3
Bus 9	Business Lectures	½
DP 10	Data Processing Methods for Business	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

Successful completion of 33 units and proficiency tests results in a Marketing Certificate.

## SECRETARY-HOME ECONOMICS

Faculty: Tanya Burke, Judy Hughes, Suzanne Murry

Counselor: Maxine Tallman

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
Bus 19	Records Management	2
HE 18	Apparel Selection and Grooming	2
HE	Electives	7
Bus 9	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 Work Experience	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

Faculty: Tanya Burke; Suzanne Murry

Counselor: Ray Hearon

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 9	Business Lectures	½
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 18	Apparel Selection and Grooming	2
Read 4A	Techniques of Reading	2

Successful completion of 34 units and proficiency tests results in a Secretary-Stenography Certificate.

## SECRETARY-TYPING

Faculty: Tanya Burke; Suzanne Murry

Counselor: Ray Hearon

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	2
Bus 3	Applied Accounting	3
Bus 9	Business Lectures	½
Bus 40	Personal Finance	3
Bus 19	Records Management	2

## RECOMMENDED COURSES FOR THE MAJOR

Bus 20A	Beginning Shorthand	3
Bus 20B	Intermediate Shorthand	3
Bus 30	Intro to Business Principles	3
HE 18	Apparel Selection & Grooming	3
Soc 4	Marriage and the Family	3

## Course Descriptions

### **Bus 1A-B – ACCOUNTING PRINCIPLES**

**3-3 Units**

Prerequisites: Satisfactory math score or completion of Bus 3 or equivalent.  
Grade of C or better in 1A 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.

### **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 4 – BUSINESS MATH**

**1 Unit**

Prerequisites: Satisfactory completion of math placement test. or Math 9 with grade of C or better.

A review and application to business problems of fundamental arithmetic processes, fractions, decimals, percentages, and problem solving. Application of problems involving fractions, decimal, percentage and problem solving in the areas of mark-up, discount, interest, installment, debt and other business practices.

**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 9 – BUSINESS LECTURES**

**½ Unit**

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.

2 hours lecture, 3 hours laboratory weekly.

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

**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 on 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** **2 Units**

Prerequisite: Bus 11A or equivalent

6 hours laboratory weekly.

Course provides students with instruction in the operation of the following equipment; spirit duplicators, mimeographs, dry copiers, multilith, 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** **3 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** **3 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** **3 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 on special vocabularies. Students should attain a minimum speed of 100 wpm. (F,S)

**Bus 21B – TRANSCRIPTION** **3 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)





**STENO-LAB**

**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 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 33 – BUSINESS LAW**

**3 Units**

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

Fundamental principles of law as applied to ordinary business relationships; sources of business law; the essential elements of a contract; agency and employment relationships; negotiable instruments; bailments, personal property, and sales of personal property; emphasis on the Uniform Commercial Code.

**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, leasing, 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: Math 9 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 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 54 – SURVEY OF LOCAL GOVERNMENT SUPERVISION 2 Units**

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

A survey course designed to familiarize first time supervisors in local government with principles and processes of management. The overview includes classification, standards, work performance, evaluation, counseling, interviewing, communication, work simplification, cost reduction, grievances, and organization.

**Bus 55 – PUBLIC SERVICE PERSONNEL MANAGEMENT**

**2 Units**

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

A study of the public service Civil Service Merit System with emphasis on counseling and interviewing techniques, their basic purpose and their application to the solution of problems encountered by public service supervisors. The role of the supervisor in staffing and employee development under a merit system is reviewed.

**BUSINESS DATA PROCESSING**

Faculty: Don Medley

Counselor: Maxine Tallman

Designed to prepare students for employment in businesses 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	Introduction to Data Processing	3
DP 2	Autocoder Programming	3
DP 4A	Computer Programming I	3
DP 4B	Computer Programming II	3
DP 6	Data Processing Systems	4
Bus 1A-B	Accounting Principles	3,3
Bus 31	Business Organization and Management	3
Bus 9	Business Lectures	1

**RECOMMENDED COURSES FOR THE MAJOR**

Bus 30	Introduction to Business Principles	3
Bus 11A	Beginning Typewriting	3
Econ 10	The American Economy	3
Math 7	Integrated College Algebra & Trig	5
Psych 9A	Psychology of Personal Assessment	3
Psych 9B	Psychology of Social Relations	3
Speech 15	Practical Speech	3
Math 18	Computer Programming—FORTRAN	2

Successful completion of 32 units and proficiency tests results in a Business Data Processing Certificate in the appropriate option.

## ***Course Descriptions***

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### **DP 1 – INTRODUCTION TO DATA PROCESSING**

**3 Units**

Prerequisites: None.  
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.

### **DP 2 – AUTOCODER 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 3 – ELECTROMECHANICAL MACHINES**

**4 Units**

Prerequisite: DP 1 or equivalent.  
3 hours lecture, 3 hours laboratory weekly.

Basic operation and programming of data processing machines; interpreters, sorter, collators, accounting machines; laboratory experience on equipment.

### **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.

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

Prerequisites: Dp 4A and DP 4B or approval of the instructor. High School algebra or Math 7 desirable.  
2 hours lecture, 3 hours laboratory weekly.

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

**DP 6 – DATA PROCESSING SYSTEMS****4 Units**

Prerequisite: DP 1, or consent of instructor.  
3 hours lecture, 3 hours laboratory 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.

**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 department for non-data processing majors. Not open to students who have completed DP 1.

**REAL ESTATE**

Faculty: Kenneth Ainge

Counselor: Roland Glover

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 9	Business Lectures	1
Bus 30	Introduction to Business	3
Bus 35*	Salesmanship	3
Bus 32*	Small Business Management	3
Hum 1A-B	Man in Society	6,6

### RECOMMENDED COURSES FOR THE MAJOR

Bus 4	Business Mathematics	3
Bus 37	Marketing	3
Bus 39	Business Communications	3
Speech 15	Practical Speech	3
Psych 9A	Psychology of Personal Assessment	3
Bus 50	Elements of Supervision	3
Bus 40	Personal Finance	3
Bus 38	Advertising	3
Econ 1A-B	Principles of Economics	3,3

Evening students may substitute 6 units of General Education electives for certificate programs and 12 units for the AA degree in place of the Humanities 1A-B requirement.

\*Successful completion of these courses will enable the student to receive a Certificate in Real Estate granted by Moorpark College with approval of the State Division of Real Estate and the California Real Estate Association.

## Course Descriptions

### RE 91 – REAL ESTATE PRINCIPLES 3 Units

Prerequisites: None.  
3 hours lecture weekly.

Practical study of California real estate law to assist real estate salesmen and brokers real estate 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. (F)



**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. (S)

**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)

# CHEMISTRY

Faculty: Eleanor Cauldwell; 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

Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4
Chem 7A	Organic Chemistry	5
Math 25A-B-C	Calculus with Analytic Geometry	5,5,5
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat, Sound, Light	3
Ph 4C	Electricity and Magnetism, Optics	3
Ger 1A-B	German	4,4

### University of California, Santa Barbara

Chem 1A-B	General Chemistry	5,5
Chem 5	Quantitative Analysis	4
Chem 7A-B	Organic Chemistry	5,5
Math 25A-B-C	Calculus with Analytic Geometry	5,5,5
Ph 2A-B	General Physics	3,4
Biol 2A	General Biology	4
Ger 1A-B	German	4,4
	or	
Rus 1A-B	Russian	4,4

## Course Descriptions

### Chem 1A - GENERAL CHEMISTRY

5 Units

Prerequisites: Math 3 or equivalent  
3 hours lecture, 6 hours laboratory weekly.

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

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

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



### **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, reaction rate experiments, electro-chemical determinations, calorimetry, qualitative analysis. (F,S)

### **Chem 1Ae - GENERAL CHEMISTRY FOR ENGINEERING**

**4 Units**

Prerequisites: Chem 12 or equivalent; Math 3 or equivalent.

3 hours lecture, 3 hours laboratory weekly.

This course is required of all engineering majors. The lecture material will conform to the same pattern as the regular General Chemistry class. 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**

Prerequisite: Chem 1Ae

3 hours lecture, 3 hours laboratory weekly.

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

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

### **Chem 5 - QUANTITATIVE ANALYSIS**

**4 Units**

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

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: Chem 1A-B

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 8 - ELEMENTARY ORGANIC CHEMISTRY**

**3 Units**

Prerequisite: Chem 1A-1B with grade of C or better

3 hours lecture weekly.

Application of modern principles to a study of the structure, reactivity and synthesis of aliphatic and aromatic compounds of carbon.

**Chem 9 - ORGANIC CHEMISTRY LABORATORY**

**3 Units**

Prerequisite: Chem 8 (or concurrent enrollment)  
1 hour lecture, 6 hours laboratory weekly.

Preparation and identification of organic compounds. Discussion of problems concerning the preparation and identification of aliphatic and aromatic compounds.

**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 for non-science majors, emphasizing properties of solution, chemical equilibrium, acids and bases, and kinetics.

**Chem 14 - INTRODUCTORY ORGANIC CHEMISTRY**

**4 Units**

Prerequisite: Chem 13  
3 hours lecture, 3 hours laboratory weekly.

A course designed for non-science majors emphasizing topics of organic and biochemistry related to the fields of textiles, food and body mechanics.

**Chem 22 - 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.

# ECONOMICS

Faculty: Kenneth Ainge, William Dickneider, William Lawson, Richard Moore

Counselor: Knox Long

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 16A-16B	Applied Calculus	3,3	Math 3	Intermediate Algebra	4
			Math 7	Integrated College Algebra/Trigonometry	5
			Math 25A	Calculus with Analytical Geom I	5

## REQUIRED GENERAL EDUCATION COURSES

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

## RECOMMENDED GENERAL EDUCATION COURSES

Bus 9	Business Lectures	½	Bus 9	Business Lectures	½
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## Course Descriptions

### Econ 1A-B – PRINCIPLES OF ECONOMICS

3-3 Units

Prerequisite: Satisfactory score on placement test; Econ 1A for Econ 1B  
3 hours lecture weekly.

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

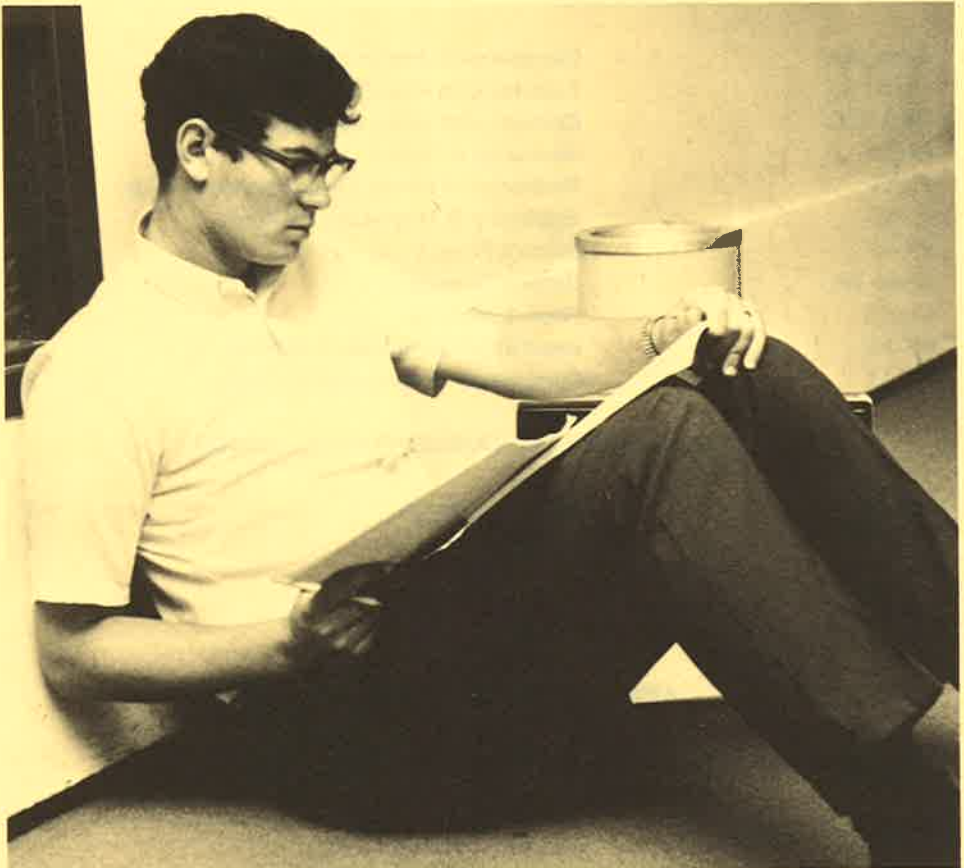
Second semester—Price system, functional distribution of income, international trade and finance, comparative economic systems, economic growth and development.

**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.



# ENGINEERING/ENGINEERING TECHNOLOGY

## ARCHITECTURE

Faculty: Byron Edde, Coordinator; Verle Harris

Counselor: William Jay

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

### REQUIRED COURSES IN THE MAJOR

California State Polytechnic College

Math 25A	Calculus with Analytic Geometry I	5
Math 25B	Calculus with Analytic Geometry II	5
Math 25C	Calculus with Analytic Geometry III	5
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat, Sound and Light	3
Ph 4C	Electricity & Magnetism & Optics	3
Ph 4D	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

Faculty: Byron Edde, Coordinator; Verle Harris, John Thomsen

Counselor: William Jay

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



## REQUIRED COURSES IN THE MAJOR

	Core		Mechanical Option			Industrial Option		
ET 1	Technical Orientation	½	ET 31	Mechanics	3	Art 4A	Color and Design	2
ET 3	Graphics and Engineering Sketch	3	ET 32	Strength of Materials	3	Art 4B	Color and Design	2
ET 10	Electromechanical Drawing	2	ET 34	Hydraulics	3	Bus 37	Marketing	3
ET 11	Machine Design	2						
ET 14	Technical Illustration	2						
ET 30	Technical Materials	3						
ET 60	Intro to Production Systems	3						
Math 3	Intermediate Algebra	4						
Math 5	Plane Trig/w Slide Rule	3						
Ph 11A-B	Technical Physics	4,4						

## RECOMMENDED COURSES FOR THE MAJOR

Math 16A Applied Calculus 3

Successful completion of 31½ units and proficiency tests results in an Applied Design Technology Certificate.

## APPLIED ELECTRONICS TECHNOLOGY

Faculty: Byron Edde, Coordinator; John Thomsen

Counselor: William Jay

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

## REQUIRED COURSES IN THE MAJOR

ET 1	Technical Orientation	½
ET 2	Mechanical Drafting	3
ET 10	Electromechanical Drawing	2
ET 23A-B	Applied Electronics I and II	5,5
ET 23C-D	Applied Electronics III and IV	5,5

ET 28	Electronics Measurements	2
ET 29	Electronic Projects	2
ET 51A-B	Electronic Calculations	3,3

### RECOMMENDED COURSES FOR THE MAJOR

ET 42	Communications Electronics	3
	or	
ET 44	Automatic Controls	3
	or	
ET 46	Computer Fundamentals	3

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

### CONSTRUCTION TECHNOLOGY

Faculty: Byron Edde, Coordinator; Verle Harris

Counselor: William Jay

The construction industry has an ever present need for the technicians and draftsmen to do detail design, surveys, estimating, and inspection. They work closely with Architects, Civil Engineers and Contractors to assure safe and economical construction. The Construction Technology program trains technicians and draftsmen for these positions.

### REQUIRED COURSES IN THE MAJOR

ET 1	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
ET 36	Soils	3
Engr 8	Plane Surveying	3
Math 3	Intermediate Algebra	4
Math 5	Plane Trigonometry with Slide Rule	3
Ph 11A	Technical Physics	4

### RECOMMENDED COURSES FOR THE MAJOR

ET 18	Drafting Projects	2
LH 24	Landscape Design	3

## ELECTRONICS ENGINEERING TECHNOLOGY

Faculty: Byron Edde, Coordinator, John Thomsen

Counselor: William Jay

Technological developments in the electronics and space industries have resulted in an increased number of job opportunities for individuals who have a technical education. This education must include the development of manipulative skills and the acquiring of technical knowledge through courses of instruction. Moorpark College offers the first two years of the program leading to the Bachelor of Science degree in Engineering Technology.

### REQUIRED COURSES IN THE MAJOR

#### California State College, Long Beach

ET 1	Technical Orientation	½
ET 20A-B	Principles of Electronics	5,5
ET 20C-D	Principles of Electronics	5,5
ET 28	Electronic Measurement	2
ET 10	Electromechanical Drawing	2
Math 2	Fundamentals of Geometry	2
Math 3	Intermediate Algebra	4
Math 5	Plane Trig w/Slide Rule	3
Math 16A	Applied Calculus	3
Ph 11A-B	Technical Physics	4,4

#### California State Polytechnic College

ET	Technical Orientation ½	
ET 20A-B	Principles of Electronics	5,5
ET 20C-D	Principles of Electronics	5,5
ET 28	Electronic Measurements	2
ET 10	Electromechanical Drawing	2
Math 2	Fundamentals of Geometry	2
Math 3	Intermediate Algebra	4
Math 5	Plane Trig w/Slide Rule	3
Math 16A	Applied Calculus	3
Ph 11A-B	Technical Physics	4,4

### RECOMMENDED COURSES FOR THE MAJOR

ET 42	Communications Electronics	3	ET 42	Communications Electronics	3
or			or		
ET 44	Automatic Controls	3	ET 44	Automatic Controls	3
or			or		
ET 46	Computer Fundamentals	3	ET 46	Computer Fundamentals	3
Math 16B	Applied Calculus	3	Math 16B	Applied Calculus	3

## ENGINEERING

Faculty: Byron Edde, Coordinator; Verle Harris, John Thomson

Counselor: William Jay

Widely diversified opportunities are available to the student who obtains a Bachelor of Science or higher degree in Engineering. This degree may be conferred by private schools, state colleges, or universities after successful completion of a minimum of four years work. The first two of these four years may be completed at Moorpark College, after which the student may transfer, at the junior level, to the four-year institution of his

choice. However, the program outlined is representative, and before planning a study list, the student should consult his counselor and study the catalog of the senior institution to which he expects to transfer.

### REQUIRED COURSES FOR THE MAJOR

San Fernando Valley State College			University of California, Los Angeles		
Engr 1	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 15	Intro to Circuit Analysis	3	Engr 15	Intro to Circuit Analysis	3
Math 25A-BC	Calculus w/Analytic Geometry I, II, III	5,5,5	Math 25A-BC	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, Light	3	Ph 4B	Mechanics of Fluids, Heat, Sound, Light	3
Ph 4C	Electricity and Magnetism & Optics	3	Ph 4C	Electricity and Magnetism & Optics	3
Ph 4D	Modern Physics	3	Ph 4D	Modern Physics	3
Chem 1Ae-Be	General Chemistry	4,4	Chem 1Ae-Be	General Chemistry	4,4

### Course Descriptions--Engineering

#### **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 3 - DESCRIPTIVE GEOMETRY**

**2 Units**

Prerequisite: ET 2, Math 5 or equivalent.

6 hours laboratory weekly.

Study of points, lines and planes, curves and warped surfaces, intersections and development as a basis for more advanced design courses.

#### **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 the general method of engineering design. Case studies of engineering designs including possible 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**

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

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

### **Engr 15 - INTRODUCTION TO CIRCUIT ANALYSIS**

**3 Units**

Prerequisites: Math 25C, Ph 4C (Can be concurrent enrollment.)  
3 hours lecture weekly.

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

## **Engr 18 - ENGINEERING MATERIALS**

**3 Units**

Prerequisites: 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.

### ***Course Descriptions--Engineering Technology***

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#### **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.  
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 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: Broad 6A-B)

**ET 10 – ELECTROMECHANICAL DRAWING****2 Units**

Prerequisite: ET 2 or equivalent.  
6 hours laboratory weekly.

Principles of dimensioning, schematics, wiring diagrams, printed circuits. Emphasis on sketching.

**ET 11 – MACHINE DESIGN****2 Units**

Prerequisite: ET 2 or equivalent 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**

Prerequisite: ET 2 or equivalent.  
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**

Prerequisite: ET 2 or one year of high school drafting 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, one year of high school drafting, 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, one year of high school drafting, 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)  
4 hours lecture, 3 hours laboratory weekly.

Passive circuit theory. Electronics laws; DC circuits, inductors and capacitors; AC circuits, applications. Lab emphasizes the study of practical circuit theory. Intended for those students in the electronics engineering technology program.

**ET 20B – PRINCIPLES OF ELECTRONICS II** **5 Units**

Prerequisites: Math 5 (concurrent) and ET 20A  
4 hours lecture, 3 hours laboratory weekly.

Active electronic circuit analysis; semiconductors; amplifiers; feedback, oscillators; switches. Lab emphasizes application of active circuit theory.

**ET 20C – PULSE AND DIGITAL CIRCUITS** **5 Units**

Prerequisites: ET 20B, Math 5, Ph 11A  
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. Lab 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.

Electronic systems, including: communication systems, modulation; control systems; digital and analog computers; power systems. Lab emphasizes connection of circuits into systems.

**ET 21 - FUNDAMENTALS OF ELECTRONICS****4 Units**

Prerequisites: None

3 hours lecture, 3 hours laboratory weekly.

An introduction to the field of electronics. Circuits and components. Amplifiers, filters, and switches. Electronic systems: communication, television, computers, controls. Contemporary subjects in electronics will be discussed. Designed as an introductory course for technology majors and to satisfy the general education requirements in science.

**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**

Prerequisite: Math 1 or ET 51A (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, Math 2 and 3 (concurrent) or ET 51B (Concurrent)

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, Math 5 or ET 51B, Ph 11B

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**

Prerequisite: 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**

Prerequisite: ET 20B or ET 23B (concurrent).  
1 hour lecture, 3 hours laboratory weekly.

Theory and practice involved in the operation and use of laboratory test equipment for measurement and analysis of electronic circuits.

**ET 29 – ELECTRONIC PROJECTS** **2 Units**

Prerequisite: ET 20C or ET 23C  
6 hour laboratory weekly.

Experience in techniques of laboratory work throughout 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 5 or 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 5 or 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 42 – COMMUNICATIONS ELECTRONICS****3 Units**

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

This course continues and expands the study of electronics and circuits begun in earlier courses. Emphasis is placed on preparing the student to obtain a commercial radio operator's license. Topics include amplifiers, oscillators, modulator principles, principles of receivers, and radio transmitters, propagation of radio waves, fundamentals of antennas and micro-wave systems.

**ET 44 – AUTOMATIC CONTROLS****3 Units**

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

An introduction to basic automatic controls. This course includes power inversion and control, photoelectric and time control of switches, motor controls, and basic open and closed loop servomechanisms.

**ET 46 – COMPUTER FUNDAMENTALS****3 Units**

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

A study of analog and digital computers. Operational amplifiers and simulation are covered in the study of analog computer. Elements of programming, number systems, binary arithmetic, Boolean algebra, computer circuits, computer control and computer arithmetic are covered in the study of digital computers.

**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**

Prerequisite: ET 51A or Math 1.  
3 hours lecture weekly.

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

**ET 54 – FUNDAMENTALS OF TELEVISION SERVICING** **4 Units**

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

General techniques of television servicing, elements of television theory; vacuum tube and solid state receivers; television block diagrams. Business aspects; record keeping; customer relations.

**ET 55 – BLACK AND WHITE TELEVISION SERVICING** **4 Units**

Prerequisite: ET 54 or work in the field.  
3 hours lecture, 3 hours laboratory weekly.

Theory of black and white television. Vacuum tube and solid state receivers. Installation and setup. Antenna selection and installation.

**ET 56 – COLOR TELEVISION SERVICING** **4 Units**

Prerequisite: ET 55 or work in the field.  
3 hours lecture, 3 hours laboratory weekly.

Theory of color television. Installation and setup of color television receivers. Color service techniques. Discussion of recent developments in the field. Emphasis on service and repair.

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

Prerequisite: ET 54 or equivalent or industrial experience.  
3 hours lecture weekly.

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

**ET 63 – PLASTICS TECHNOLOGY**

**3 Units**

Prerequisite: Consent of instructor.  
2 hours lecture, 3 hours laboratory weekly.

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

**ET 64 – INTRODUCTION TO MACHINE SHOP**

**3 Units**

Prerequisite: Math 3.  
2 hours lecture, 3 hours laboratory weekly.

Introduction to the machine shop, as applied in industry. Use of hand tools, measurement and measuring tools; threads and threading; shop sketching and layout. Machine tools: lathe, drills, tapers. Shop capabilities and practices.

**ET 66 – INTRODUCTION TO NUMERICAL CONTROL**

**3 Units**

Prerequisite: ET 60.  
2 hours lecture, 3 hours laboratory weekly.

Principles and techniques involved in operation of numerical control systems and machinery, review of mathematical formulae required for part-programming and computer programming; introduction to flow charting; use of special language forms for computer input and program sheets; terminology peculiar to numerical control.

**ET 68 – INTRODUCTION TO METROLOGY**

**3 Units**

Prerequisite: ET 28.  
2 hours lecture, 3 hours laboratory weekly.

Principles of instrument calibration. Analysis of instrument specifications as applied to callibrations. Measurement standards. Industrial and military standards and practices.

**ET 72 – INTRODUCTION TO METEOROLOGY**

**3 Units**

Prerequisites: 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: Geog 5)

## ENGLISH/READING

Faculty: Sidney Adler; Richard Black; Sandra Bugaj; John Hanft; Philip Houser;  
Julia Landstad; Earl Owen; Jon Popiel; Michael Seely, Department Head;  
Pamela Sheridan; Judith Staley; Dean Townsend; Howard Siegel,  
Michael Strumpf, Sinclair Wall.

Counselor: Carole Ginot

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, short-story writers, 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 1A-B	Composition & Lit	3,3	Engl 1A-B	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	4,4,4
			Hist	History of England	

### RECOMMENDED GENERAL EDUCATION COURSES

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

## *Course Descriptions*

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### Engl 1A - COMPOSITION AND LITERATURE

1½ Units

Prerequisite: Satisfactory score on placement test.  
3 hours lecture weekly. (8 weeks)

Critical reading and analysis of literature with emphasis on developing composition skills. The student may select from a series of classes dealing respectively with the short story, the novel, poetry, drama and the essay. In addition, each semester there will be a limited offering of interesting focus courses such as Christian literature, Shakespeare, Mythology, existentialist literature, tragedy, the literature of ambiguity and the poetry of

the popular song. To fulfill the transfer requirements of four year colleges, the student should select any two of the class offerings. (Students should select different instructors for each 8 week segment.)

### **Engl 1B - COMPOSITION AND LITERATURE**

**1½ Units**

Prerequisite: Satisfactory score on placement test.  
3 hours lecture weekly (8 weeks)

Further exploration of literature with writing of literary analysis. The student may select from a series of offerings in areas of special interest to him. The range of selection includes a series of "English Focus" courses, a limited number of which will be offered each semester. (Students should select different instructors for each 8 week segment.)

### **Engl 3 - PRACTICUM IN ENGLISH COMPOSITION**

**1 Unit**

Prerequisite: Required of all students who need addition work in composition skills.  
3 hours laboratory weekly.

Intensive practice in writing and revising essays with emphasis on paragraph structure, syntax, and the elimination of writing problems, such as misspelling, fragments, and run-on sentences. Work from other classes may be brought into this lab situation for review and revision. Use is made of instructional machines and programmed texts.

### **Engl 4 - ENGLISH AS A SECOND LANGUAGE**

**1 Unit**

Prerequisites: None.  
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 1A 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 students' writing.

### **Engl 11 - RADIO-TELEVISION WRITING**

**2 Units**

Prerequisite: Engl 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 the broadcasting medias. (Co-number: Broad 5)

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

Prerequisite: Engl 1A-1B 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 1A  
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 1B – THE MODERN AMERICAN NOVEL** **3 Units**

Prerequisites: Engl 1A and 1B  
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 1A  
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.

**Engl 30 - MASTERPIECES OF WORLD LITERATURE**

**3 Units**

Prerequisite: Engl 1A.  
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 1A  
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 1A  
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 1A  
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**

**3 Units**

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

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

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

Prerequisite: None  
3 hours lecture weekly.

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

**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.

**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.

**Read 48A-B – READING INTERNSHIP**

**1-2/1-2**

Prerequisites: , Read 1A or 4A and consent of instructor.  
3-6 hours laboratory weekly.

Supervised work in an appropriate reading laboratory.

# FIRE SCIENCE

Counselor: Gary Brinkman

This responsible and life-saving work is in demand in many communities. This program provides training to meet this demand. Class sessions may be repeated each week to adjust the working hours of the fire protection personnel.

## REQUIRED COURSES IN THE MAJOR

FSc 90	Introduction to Fire Protection	3
FSc 91	Introduction to Fire Suppression	3
FSc 92	Fundamentals of Fire Prevention	3
FSc 93	Fire Fighting Tactics and Strategy	3
FSc 94	Hazardous Materials 1	3
FSc 96	Related Codes and Ordinances	3
FSc 97	Fire Hydraulics	3
FSc 99	Fire Company Organization and Procedure	3

## RECOMMENDED COURSES FOR THE MAJOR

Phys Sci 1A	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	

## *Course Descriptions*

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### **FSc 90 – INTRODUCTION TO FIRE PROTECTION**

**3 Units**

Prerequisites: None.  
3 hours lecture weekly.

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

### **FSc 91 – INTRODUCTION TO FIRE SUPPRESSION**

**3 Units**

Prerequisites: None.  
3 hours lecture weekly.

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

## **FSC 92 – FUNDAMENTALS OF FIRE PREVENTION**

**3 Units**

Prerequisites: 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**

Prerequisites: 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 consideration.

**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; Darrell Miller

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 11*	Restaurant Operations	2
FSM 14*	Food Purchasing	1
FSM 10A*	Quantity Food Preparation	2
FSM 12*	Menu Making	2
FSM 15*	Hotel and Restaurant Sanitation	1
FSM 10B*	Quantity Food Preparation	3
FSM 49A	Directed Work Experience	2
Bus 40*	Personal Finance	3
HE 10*	Nutrition	3
Bus 7*	Calculating Machines	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

\*Successful completion of 32 units and proficiency tests results in a Food Service Management Certificate.

### Course Descriptions

#### **FSM 10A-B - QUANTITY FOOD PREPARATION 2 Units**

Prerequisite: FSM 10A for FSM 10B.  
6 hours laboratory weekly.

This course provides for training in the proper handling of kitchen tools and equipment, experience in preparing meals in a food service establishment, analysis of menu planning, budgeting, and food specifications.

#### **FSM 11 – RESTAURANT OPERATIONS 2 Units**

Prerequisites: None.  
6 hours laboratory weekly.

This course is designed to provide occupational training to individuals working in cafeterias, restaurants, and similar types of food service establishments. In particular, emphasis will be placed on training in marketable job skills as head waiter, maitre d', cook, buyer or similar restaurant and cafeteria fields.

#### **FSM 12 – MENU MAKING 1 Unit**

Prerequisites: None.  
1 hour lecture weekly.

This course examines the basic principles of menu making. Consideration is given to all phases of menu pricing, merchandising, and control. Factors affecting the planning of a menu will be discussed, including types of operation, season of the year, clientele, equipment, personnel available, and principles of nutrition.

In particular, emphasis is on special food service, menus involved in catered or mass feeding, banquets, weddings, and similar large gatherings.

#### **FSM 13 – STOREROOM OPERATIONS 2 Units**

Prerequisites: None.  
6 hours laboratory weekly.



Instruction in maintaining stock levels, receiving and issuing supplies, grading food, preparing specifications for food orders, taking inventories, operating a perpetual inventory, and preparing receiving reports.

**FSM 14 – FOOD PURCHASING**

**1 Unit**

Prerequisites: None  
3 hours laboratory 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. Lab experience is provided in the selection and ordering of food for a food establishment.

**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 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.

**FSM 91 – CAFETERIA FOOD SERVICE**

**2 Units**

Prerequisite: Employment in food service or consent of instructor.  
1 hour lecture, 3 hours laboratory weekly.

This course is designed to give theoretical and practical training to individuals working in cafeterias and food service to upgrade their vocational skills and knowledge.

**FSM 92 – BEGINNING MENU PLANNING**

**1 Unit**

Prerequisite: Employment in school cafeteria or consent of instructor.  
1 hour lecture weekly.

Basic factors included in planning menus based on the Type A lunch pattern; planning to make the Type A lunch attractive; use of menu planning work sheets.



**FSM 93 – SANITATION AND SAFETY****1 Unit**

Prerequisites: Employment in school cafeteria, FSM 92 or consent of instructor.  
1 hour lecture weekly.

Personal cleanliness; sanitary practices in food preparation; cause, control and investigation of illnesses caused by food contamination, dishwashing, storage and refrigeration; sanitation of kitchen and equipment; cleansing materials, garbage and refuse disposal; safety precautions and training for accident prevention.

**FSM 94 – FOOD PURCHASING****1 Unit**

Prerequisites: Employment in school cafeteria, FSM 92 and HE 10 or consent of instructor.  
1 hour lecture weekly.

Methods of buying, quantity selection, standards and grades, factors influencing prices.

**FSM 95 – QUANTITY FOOD PREPARATION****2 Units.**

Prerequisite: Employment in school cafeteria or consent of instructor.  
1 hour lecture, 3 hours laboratory weekly.

Experience in methods of quantity food preparation which retain nutritive values; use of standard recipe files; use of weights and measures; use of equipment, timing.

**FSM 96 – ADVANCED MENU PLANNING****1 Unit**

Prerequisite: FSM 92 or consent of instructor.  
1 hour lecture weekly.

The advanced phases of menu pricing, merchandising, and controls are provided in this course. In particular, emphasis is on special food service, menus involved in catered or mass feeding, banquets, weddings, and similar large gatherings.

**FSM 98 – WORK SIMPLIFICATION****1 Unit**

Prerequisite: Employment in food service or consent of instructor.  
1 hour lecture weekly.

Principles of motion economy as related to the use of the human body and work place. Application of work simplification procedures to school food service problems.

# FOREIGN LANGUAGE

Faculty: Jane Chapman, Philip Houser, Beverly Pearson, Jon Popiel

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 College

University of California, Santa Barbara

For Lan 1A-1B Spanish/French/German 4,4

For Lan 1A-1B Spanish/French/German 4,4

For Lan 2A-2B Spanish/French/German 4,4

For Lan 2A-2B Spanish/French/German 4,4

## RECOMMENDED GENERAL EDUCATION COURSES

French

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

French

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

Phil 1A Intro to Philosophy 3

German

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

German

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

Spanish

Hist 9A-9B History of the Americas 3,3

Spanish

Hist 9A-9B History of the Americas 3,3

## *Course Descriptions*

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### 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.  
4 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.

4 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 22 - 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. (1A-F, 1B-S)

**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.

4 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.

4 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 22 - 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)

## **RUSSIAN**

**Rus 1A-B - ELEMENTARY RUSSIAN**

**4-4 Units**

Prerequisite: For Rus 1A, consent of counselor; for Rus 1B, Rus 1A or 2 years of high school Russian.  
4 hours lecture, 1 hour laboratory weekly

A basic study of Russian, both oral and written. Fundamentals of grammar, reading, and practice in the spoken language; extensive use of language laboratory. All students will be expected to spend an additional hour per week of study in the language laboratory. (1A-F, 1B-S)

## **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.  
4 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 2A or 4 years of high school Spanish.  
4 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 is focused on correct grammar and written communication for the Mexican-American. (3A-F, 3B-S)

**Spn 4 - INTRODUCTION TO HISPANIC LITERATURE** **3 Units**

Prerequisite: Spn 3B  
3 hours lecture weekly

A survey of the most prominent Spanish-American prose, drama, and verse. Conducted in Spanish (S)

**Spn 5 - CREATIVE WRITING IN SPANISH** **3 Units**

Prerequisite: Spn 3B  
3 hours lecture weekly

This course is designed to improve the student's writing ability. The literary styles of the important writers of Spain and Spanish America will be analyzed by the class and will be followed by the student's composition. (S)

**Spn 22 - 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)



# GEOGRAPHY

Faculty: Roger Boedecker

Counselor: Jess Castro

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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## Course Descriptions

### 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 geograpny—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**

Prerequisites: 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 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 those regions of the world which are significant to American foreign policy. 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.

**Geog 22 - DIRECTED STUDIES IN GEOGRAPHY**

**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 geography on an independent study basis. Assigned problems will involve library, laboratory, and field work. Maximum of 6 units. (F)

# 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

University of California, Los Angeles

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 17	Petrology	3
Geol 22	Directed Studies	1-3
Geol 21	Geology of California	3

## RECOMMENDED COURSES FOR THE MAJOR

Math 5	Plane Trig w/Slide Rule	3
Chem 12	Elementary Chemistry I	4
ET 2	Mechanical Drafting	3

## 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	3,4
Ph 3	Arts of Exper. Invest.	1

## Course Descriptions

### Geol 2 - PHYSICAL GEOLOGY

3 Units

Prerequisites: None  
3 hours lecture weekly.



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

**Geol 2L - PHYSICAL GEOLOGY LABORATORY**

**1 Unit**

Prerequisites: None  
3 hours lecture-laboratory weekly.

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

**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 topography, structure, geologic history, lithology and mineral resources. Field project required. Field trips. (S)

**Geol 22 - 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 41 - GEOLOGY OF THE NATIONAL PARKS AND MONUMENTS**

**3 Units**

Prerequisite: 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)

# HISTORY

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

Counselor: Knox Long.

Historians study the records of the past and write books and articles describing and analyzing past events, institutions, ideas and people. They may use their knowledge of the past to explain current events or to forecast. Approximately 80% of the historians today are employed in schools and colleges. Another 10% are employed in federal government agencies: and a small but growing number are employed by other 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
Geog 2	Elements of Cultural Geography	3	Hist 9A or Hist 15A	History of the Amer. Intro to Hist of Asia	3 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 1A Phil 1A-1B or Engl	Intro to Philosophy 2 courses in literature

## Course Descriptions

**Hist 1A - 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 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)

**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**

Prerequisite: 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

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:**

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**

Prerequisite: 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**

Prerequisite: 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**

Prerequisite: 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. (15A-F. 15B-S)

**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 22A-B - DIRECTED STUDIES IN HISTORY****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 history on an independent study basis. Assigned problems will involve library and field work.

\*This course may be counted for either Social Science or Humanities elective credit.



## HOME ECONOMICS

Faculty: Judy Hughes

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

HE 19	Textiles	2
HE 18	Apparel Selection and Grooming	2
HE 10	Nutrition	2

#### University of California, Santa Barbara

HE 19	Textiles	2
HE 10	Nutrition	2
HE 23	Child Care and Development	2

## REQUIRED GENERAL EDUCATION COURSES

Chem 12	Elementary Chemistry I	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 8	Elem. Organic Chemistry	3
Biol 2A	General Biology	4	Chem 9	Organic Chemistry Lab	3
Art 4A	Color and Design	2	Biol 2A	General Biology	4
Journ 1	News Reporting and Writing (Industrial Option)	3	Psych 1A	General Psychology	3
Bus 1A	Accounting Principles	3	Econ 1A	Principles of Economics	3
Econ 1A	Principles of Economics	3	Soc 1	Intro to Sociology	3
Econ 1B	Principles of Economics	3	Speech 1	Intro to Speech	3
Soc 1	Intro to Sociology (Dietetics Option)	3	Art 2	Art Appreciation	3
			Anth 2	Cultural Anthropology (Textiles Option)	3

## HOME ECONOMICS - AIRLINE HOSTESS

Faculty: Judy Hughes

Counselor: Maxine Tallman

Applicants for airline stewardess training must generally meet the following basic qualifications:

Age: 20 through 27  
Height: 5'2" to 5'9"  
Weight: 100 to 140 pounds

Marital Status: Single  
Vision: 20/50 or better without glasses.  
Contacts considered.

Each applicant is required by the airlines to pass a rigid physical examination approved by the medical department of the airlines.

The following program of study is recommended for those who wish to apply for airline stewardess training.

### REQUIRED COURSES IN THE MAJOR

HE 10	Nutrition	2
HE 18	Apparel Selection and Grooming	2
HE 19	Textiles	2
HE 23	Child Care and Development	2
Electives	Any two courses selected from the following:	
HE 5	Home Furnishings	
HE 10	Nutrition	
HE 20	Home Management	
HE 23	Child Care and Development	

### RECOMMENDED COURSES IN THE MAJOR

FSM 12	Menu Making	1
HS 5	Safety and First Aid	2
Bus 11A	Beginning Typewriting	3
Bus 11B	Intermediate Typewriting	3
Bus 40	Personal Finance	3
Bus 15	Office Practice	3
Bus 30	Intro to Business Principles	3

### HOME ECONOMICS - COSTUME DESIGN

Faculty: Judy Hughes

Counselor: Maxine Tallman

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 of values significant in home life.

### REQUIRED COURSES IN THE MAJOR

HE 19	Textiles	2
HE 16	Clothing Construction	3
HE 17	Pattern Design	2
HE 18	Apparel Selection and Grooming	2
HE 24	Tailoring and Design	2
HE 25	Home Furnishing Lab	1-2
HE	Electives	

### RECOMMENDED COURSES FOR THE MAJOR

Art 12A-B	Drawing and Composition	2,2
Bus 40	Personal Finance	3
Bus 35	Salesmanship	3
Journ 1A	News Reporting and Writing	3

Successful completion of 32 units and proficiency tests results in a Home Economics-Costume Design Certificate.

### HOME ECONOMICS - NURSERY SCHOOL EDUCATION

Faculty: Judy Hughes

Counselor: Carole Ginet

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 Head Start 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.

#### REQUIRED COURSES IN THE MAJOR

HE 60	Child, Family and Community	3
HE 61A-B	Nursery School Programs	3,3
HE 62	Nursery School Administration	3
HE 10	Nutrition	2
HE 23	Child Care and Development	2
HE 63	Music in Pre-School	2
or		
HE 66	Literature in Pre-School	2
or		
HE 64	Art in Pre-School	2
or		
HE 77	Creative Movement in Pre-School	2
or		
HE 26	Family Health & Home Nursing	
HE 18	Apparel Selection and Grooming	2
Speech 15	Practical Speech	3

Successful completion of 30 units and proficiency tests results in a Nursery School Education Certificate.

### Course Descriptions

#### 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 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 16 - 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 17 - FLAT PATTERN DESIGN**

**3 Units**

Prerequisites: HE 16 or consent of instructor, HE 19 (may be taken concurrently)  
2 hours lecture, 3 hours laboratory weekly.

Principles and techniques of constructing the basic pattern, original design and construction of a garment using flat pattern methods. Designed to enable the student to create original patterns and garments of appropriate fabrics.

**HE 18 - 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 19 - 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 20 - 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 22 - 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 23 - CHILD CARE AND DEVELOPMENT** **2 Units**

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

The social, emotional, and physical development of the normal child in relation to the home; class discussion and observation in a child development laboratory situation and day nursery. (F)

**HE 24 - 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 25A-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, bedspreads, lamp shades, and other home furnishing items. Information on selection and care of necessary materials and equipment.

**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 27 - ADVANCED PATTERN DESIGN**

**3 Units**

Prerequisites: HE 17 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 49A-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 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 61A-B - NURSERY SCHOOL PROGRAMS**

**3-3 Units**

Prerequisite: HE 60  
3 hours lecture weekly.

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

**HE 62 - NURSERY SCHOOL ADMINISTRATION**

**3 Units**

Prerequisite: HE 60  
3 hours lecture weekly.

Origin of nursery school movement in California. Types and essentials of good nursery schools, including licensing, legislation standards, daily routines, teacher responsibility, and public relations.



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

Prerequisites: None  
2 hours lecture weekly.

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

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

Prerequisites: None  
2 hour lecture weekly.

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

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

Prerequisites: None  
2 hours lecture weekly.

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

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

Prerequisites: None  
2 hours lecture weekly.

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

**HE 77 - CREATIVE MOVEMENT IN THE PRE-SCHOOL****2 Units**

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

A presentation of methods and materials with which teachers of pre-school and early elementary school-aged children can lead their classes in creative rhythmic and dance activities; thereby offering their students experience in an expressive medium that can further physical, mental and social development. (Co-number: PE 77.)

# HUMANITIES

## Course Descriptions

### **Hum 1A-B - MAN IN SOCIETY**

**6-6 Units**

Prerequisite: Satisfactory score on placement test.  
5 hours lecture, 1 hour 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.

Students planning on transferring to a four-year institution should consider traditional general education courses.

Students completing Humanities 1A-B are eligible for placement in transfer courses. Consultation with counselor is required.

### **Hum 2A-B - MAN AND THE ARTS**

**3½-3½ Units**

Prerequisites: Hum 1A-1B  
2 hours lecture, 2 hours laboratory weekly  
(plus 1 Hr. by Arr.)

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.

## Hum 5A-B – U. S. CULTURE & SOCIETY

6-6 Units

Prerequisites: Satisfactory score on placement test  
6 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 re-creates 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 seas. 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.

The course, in its first semester, meets three units of U. S. history and three units of English 1A credit, and in its second semester, meets three units of American political science and three units of English 1B credit for the State college general education requirements.



# JOURNALISM

Faculty: Lawrence Lloyd

Counselor: Carole Ginet

Journalism embraces the writing, editing, managing, and production of mass-media communication. Journalists are involved, therefore, not only in the preparation of all types of periodicals, but also in the fields of advertising, public relations, radio, television, and motion pictures. There are wide opportunities for journalists not only in newspaper and magazine writing, but also in trade, business, and labor publications, and in such specialized fields as editorial work, writing of feature articles, fiction, poetry, and drama.

## REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			University of Southern California		
Journ 1	News Reporting	3	Journ 1	News Reporting	3
Minor in a related field such as English, History, Political Science, of Sociology.					

## RECOMMENDED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4	For Lan	Foreign Language	4,4,4
			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

## *Course Descriptions*

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### **Journ 1 - NEWS REPORTING AND WRITING**

**3 Units**

Prerequisites: 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 - FEATURE AND EDITORIAL WRITING**

**3 Units**

Prerequisites: 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 AND MAGAZINE PRODUCTION**

**3-3 Units**

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

This is a course in the conception, development, layout and composition of newspapers, magazines and related publications. Particular emphasis will be given to finding attractive and effective ways of presenting written and pictorial matter. Instruction will be given in the graphic arts; use of composing and headlining equipment and multilith operation. (Journ 3A-F, 3B-S)

**Journ 22A-B - DIRECTED STUDIES IN JOURNALISM**

**1-3 Units**

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

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

# LAW ENFORCEMENT

## LAW ENFORCEMENT – POLICE SCIENCE

Faculty: Jack Fleming, Coordinator; James Lane

Counselor: Gary Brinkman

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.

### 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
HS 5	Safety and First Aid	2	LE 10B	Criminal Investigation	3
Photo 1	Beginning Photography	2	LE 13	Traffic Control	3
			LE 10A	Patrol Procedures	3
			HS 5	Safety and 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 1A	General Psychology	3	Psych 2	Personal and Social Adjust	3
Psych 2	Personal & Social Adjust	3	Psych 1A	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 – PEACE OFFICER

Faculty: Jack Fleming, James Lane

Counselor: Gary Brinkman

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
HS 5	Health and Safety	2
LE 12	Defense Tactics	½

#### 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	1-2

### LAW ENFORCEMENT – PROBATION AND PAROLE ASSISTANT

Faculty: Jack Fleming; James Lane

Counselor: Gary Brinkman

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
HE 5	First Aid and Safety	2

### Course Descriptions

#### **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 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 religions, 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 and 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 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.



## LEADERSHIP

### Course Descriptions

**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 hour lecture, 1 hour practicum weekly.

The identification of effective leadership and its development; leadership as it relates to the rights and responsibilities of the individual; effective leadership through the understanding of group dynamics.



## LIBRARY TECHNOLOGY

Faculty: John Alderman; John Hurley; Michael Slama,  
Director of Library Services

Counselor: Carole Ginot

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

### Course Descriptions

#### 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; Kokki Shindo; Robert Stevens.

Counselor: William Jay

Plato considered mathematics and music the purest of the sciences, searching out, as they do, the abstract structures of the universe. But on a less ethereal plane, applied mathematics develops approaches and techniques to solve practical problems in the physical, biological, and social sciences. Graduates will find careers in business, industry, and government as research mathematicians, as statisticians, as actuaries, as logicians, and as systems analysts. The field of computer science presents a new opportunity for mathematics majors.

## REQUIRED COURSES IN THE MAJOR

### San Fernando Valley State College

Math 25A	Calculus/Analytic	
25B-C	Geometry	5,5,5
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat, Sound, Light	3
Ph 4C	Electricity and Magnetism & Optics	3

### University of California, Los Angeles

Math 25A	Calculus/Analytic	
25B-C	Geometry	5,5,5
Math 31	Intro to Linear Alg.	3
Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat, Sound, Light	3
Ph 4C	Electricity and Magnetism & Optics	3

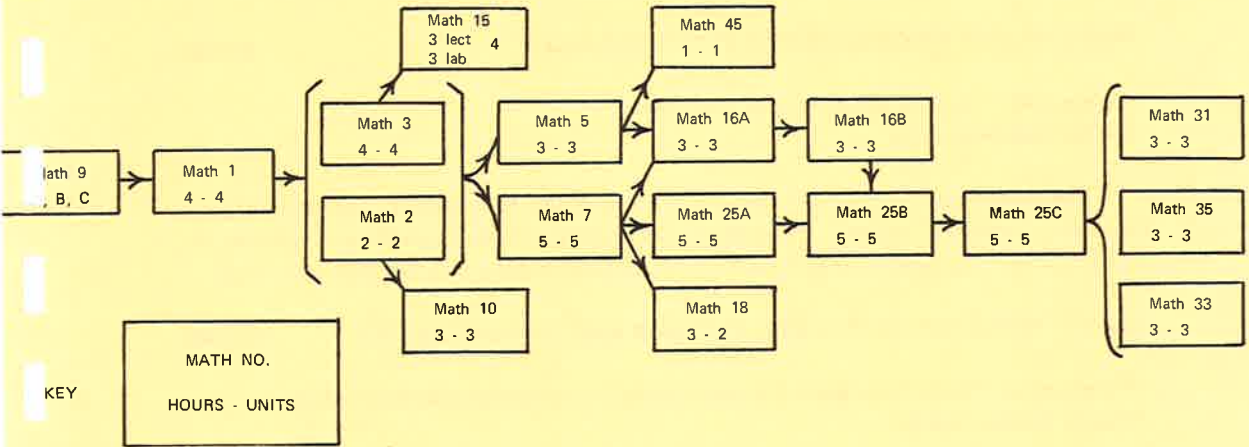
## RECOMMENDED GENERAL EDUCATION COURSES

Math 31	Intro to Linear Alg	3	For Lan	Foreign Language	4,4,4
Math 35	Applied Linear Alg & Differential Equations	3	Math 35	Applied Linear Alg. & Differential Equations	3
Math 15	Intro Statistics	4	Math 15	Intro Statistics	4
Math 18	Computer Programming Fortran	2	Math 18	Computer Programming Fortran	2
Math 33	Intro to Analysis	3	Math 33	Intro to Analysis	3
Ph 4D	Modern Physics	3			

The following information offers guidelines for enrollment in mathematics courses.

The flow chart on the next page 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 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.



## Course Descriptions

### **Math 1 - ELEMENTARY ALGEBRA**

**4 Units**

Prerequisite: Math 9C or equivalent.  
4 hour lecture weekly.

Operations with signed numbers, linear equations, factoring, graphing, simultaneous equations, radical and exponential notation and quadratics; prerequisite to plane geometry and intermediate algebra. Equivalent to first year high school algebra. (Does not count toward a bachelor's degree). (F,S)

### **Math 2 - FUNDAMENTALS OF GEOMETRY**

**2 Units**

Prerequisites: Math 1 or equivalent; 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 1 (Math 2 may be taken concurrently)  
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 5 - PLANE TRIGONOMETRY WITH SLIDE RULE****3 Units**

Prerequisites: Math 2 and Math 3 or equivalent  
3 hours lecture weekly.

The basic trigonometric functions, their definitions, relationships, and uses, triangle solution, identities, radians, trigonometric equations, inverse functions. Emphasis on applications in technology with numerical computations done with the slide rule. (F,S)

**Math 7 - INTEGRATED COLLEGE ALGEBRA AND TRIGONOMETRY****5 Units**

Prerequisites: Math 2 and Math 3 or equivalent or qualifying placement test score.  
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 9A-B-C – FUNDAMENTALS OF MATHEMATICS****1-1-1 Units**

Prerequisites: None  
5 hours lecture weekly

The student will initially register in the 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 basic mathematical skills and fundamental operations as applied to integers and common fractions (1 Unit).

9B - Decimals, fractions and percentages, emphasizing the understanding of arithmetical and mathematical processes (1 Unit).

9C - Introduction to algebra and the use of formulas (1 Unit).

**Math 10 - PRINCIPLES OF MATHEMATICS****3 Units**

Prerequisites: Math 1 and Math 2 or equivalent. (Math 2 may be taken concurrently)  
3 hours lecture weekly.

Language of sets; systems of numeration; the nature of numbers and the fundamentals of operations; the domain of integers; the fields of rational, real and complex numbers. Will satisfy credential requirements for elementary and junior high teachers and/or general education option under basic studies. Not open to students majoring in the physical sciences or mathematics. (F,S)



**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. (Intended to reinforce and extend principles developed in lecture.) (F, S)

**Math 16A-B - APPLIED CALCULUS****3-3 Units**

Prerequisites: Math 7 or Math 3 and Math 5 with consent of instructor.  
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**

Prerequisite: Math 7 or equivalent.  
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 - CALCULUS WITH ANALYTIC GEOMETRY III, IV****4-4 Units**

Prerequisites: Math 21B with a grade of C or better; Math 22A for Math 22B.  
4 hours lecture weekly.

First semester - Solid analytic geometry, vectors in three dimensions, infinite series, partial differentiation, multiple integration, linear algebra, vector spaces. (F) Second Semester - Eigenvalues and eigenvectors, advanced work in infinite series, Fourier series, implicit function theorems, vector field theory, Green's and Stoke's theorem, differential equations. (S)

NOT TO BE OFFERED AFTER 1969-70

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

Prerequisite: Math 7 with a grade of C or better or qualifying score on placement test  
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, S)

**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**

Prerequisite: 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.

OFFERED FALL 1970

**Math 28 - DIRECTED STUDIES IN MATHEMATICS** **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.

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. (F,S)

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

Prerequisites: Math 22A or Math 25C (may be taken concurrently with the instructor permission) Math 33 or Math 35 (may be taken concurrently)  
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 students 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)

Math 31 or Math 35 may be taken concurrently.

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.

OFFERED FALL 1970

**Math 35 - APPLIED LINEAR ALGEBRA AND 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.

OFFERED SPRING 1971

**Math 45 - SLIDE RULE**

**1 Unit**

Prerequisite: Math 5 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.

## MEXICAN--AMERICAN STUDIES

Faculty: Jess Castro, Amado Reynoso, Fermin Herrera, Arthur Bettini

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

### 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

### Course Descriptions

**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 22 - 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.

**SEE FOREIGN LANGUAGE SECTION FOR SPANISH COURSES AND HISTORY SECTION FOR HISTORY COURSES.**



# MUSIC

Faculty: Orbie Ingersoll, James Stemen

Counselor: Carole Ginot

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	2,2

## 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

## Course Descriptions

### Mus 1-FUNDAMENTALS OF MUSIC

**3 units**

Prerequisite: None.

3 hours lecture weekly.

Writing of scales, intervals, chords, key signatures, sight singing of elementary songs; playing of simple instruments.

### 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 harmonization of a given part, and modulation; 2B, the figured base, non-harmonic tones, the dominant 7th and diminished 7ths; 2C, 9th chords, non-dominant 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 instruction. 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 - A CAPELLA CHOIR**

**2 Units**

Prerequisite: Consent of instructor.

1 hour lecture, 3 hours rehearsal weekly.

Choral singing for men and women. The choir participates in musical events of the college and community.

Course may be repeated for credit not in excess of four semesters.

**Mus 12 - VOCAL ENSEMBLE**

**1 Unit**

Prerequisite: Admission by audition or consent of instructor.  
3 hours rehearsal weekly.

A select group of mixed singers will study and perform music in small groups, i.e., trios, quartets, and madrigals; public performance required.

Courses may be repeated for credit not in excess of four semesters.

**Mus 13 - VOICE**

**2 Units**

Prerequisite: None.  
1 hour lecture, 3 hours rehearsal weekly.

Designed for the serious vocal student interested in building classic repertoire in early Italian, English, French and German songs; vocal exercises and correction of individual vocal problems.

**Mus 15 - ORCHESTRA**

**1 Unit**

Prerequisite: Consent of instructor.  
3 hours rehearsal weekly.

Preparation and performance of orchestral repertoire. May be repeated for credit not in excess of four semesters.

**Mus 18 - BAND**

**1 Unit**

Prerequisite: Skill on a band instrument satisfactory to instructor.  
3 hours rehearsal weekly.

Rehearsal and performance of representative band literature in support of special events and college activities.

May be repeated for credit not in excess of four semesters.

**Mus 21 – INSTRUMENTAL ENSEMBLE**

**1 Unit**

Prerequisite: Consent of instructor.  
3 hours rehearsal weekly

Development of instrumental groups of woodwind, brass and strings to perform publicly; emphasis on balance, dynamics, phrasing and interpretation.

May be repeated for credit not in excess of four semesters.



**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 24A - PIANO**

**2 Units**

Prerequisite: None  
1 hour lecture, 3 hours rehearsal weekly

Fundamentals of piano playing, note reading, finger drills, scales and simple piano literature.

**Mus 24B - PIANO**

**2 Units**

Prerequisite: Mus 24A or equivalent.  
1 hour lecture, 3 hours rehearsal weekly.

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

**Mus 24C - PIANO**

**2 Units**

Prerequisite: 24B or equivalent.  
1 hour lecture, 3 hours rehearsal weekly.

Piano studies and literature for students of fourth and fifth steps; scales and keyboard techniques.

**Mus 24D - PIANO**

**2 Units**

Prerequisite: Mus 24C or ability to play music of the third step.  
1 hour lecture, 3 hours rehearsal weekly.

Emphasis on keyboard harmony and technique; harmonization of melodies with different style accompaniments, transposition, improvisation of various forms, modulation, playing by ear, scales, chords, reading choral scores.

## 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 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.

## PHILOSOPHY

Faculty: 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 2          Intro to Logic                3

Phil 1A-B      Intro to Philosophy      3,3  
Phil 2          Intro to Logic                3

### REQUIRED GENERAL EDUCATION COURSES

For Lan          Foreign Language          4,4,4

## 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

### *Course Descriptions*

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#### **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.



## PHYSICAL EDUCATION

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

Counselor: Gary Brinkman

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 College		
PE 60, 62	Professional Courses (Men)	2,2	PE 60, 62	Professional Courses (Men)	2,2
Pe 64, 66	Professional Courses (Men)	2,2	PE 64, 66	Professional Courses (Men)	2,2
PE 61, 63	Professional Courses (Women)	2,2	PE 61, 63	Professional Courses (Women)	2,2
PE 65, 67	Professional Courses (Women)	2,2	PE 65, 67	Professional Courses (Women)	2,2
PE 71	Recreational Leadership	2	PE 73A-B	Women'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 70	Intro to Physical Education	2	PE 70	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 72A-B	Men's Sports Officiating	1,1
Psych 2	Personal & Social Adjustment	3	Soc 1	Intro to Sociology	3
HS 5	Safety & First Aid	2	Speech 1	Intro to Speech	3
PE 72A-B	Men's Sports Officiating	1,1	Speech 2	Elements of Public Speaking	3
PE 73A-B	Women's Sports Officiating	1,1	PE 71	Recreational Leadership	2
			HS 5	Safety & First Aid	2
			Psych 2	Personal & Social Adjustment	3

## RECREATION

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

Counselor: Gary Brinkman

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 College			California State College, Long Beach		
PE 71	Recreational Leadership	3	PE 35	Basic Dance Skills	½
PE 60, 62	Professional Courses (Men)	2,2	PE 37	Social, Folk, Square Dance	½
PE 64, 66	Professional Courses (Men)	2,2	ThA 24	Introduction to Theatre	3
PE 61, 63	Professional Courses (Women)	2,2	HS 5	Safety and First Aid	2
PE 65, 67	Professional Courses (Women)	2,2	Journ 1	News Reporting and Writing	3

### REQUIRED GENERAL EDUCATION COURSES

Engl 1A-B	Composition and Literature	3,3
Soc 1	Intro to Sociology	3

### RECOMMENDED GENERAL EDUCATION COURSES

PE 70	Intro to Physical Education	2	PE 70	Intro to Physical Education	2
PE 35	Basic Dance Skills	½	PE 71	Recreational Leadership	2
PE 37	Social, Folk Square Dance	½	PE 60, 62	Professional Courses (Men)	2,2
LH 3	Turfgrass Selection	3	PE 64, 66	Professional Courses (Men)	2,2
LH 4	Turfgrass Maintenance	3	LH 3	Turfgrass Selection	3
Soc 1	Intro to Sociology	3	LH 4	Turfgrass Maintenance	3
Speech 1	Intro to Speech	3	Soc 2	Social Problems	3
Psych 2	Personal and Social Adjustment	3	Speech 1	Intro to Speech	3
			Psych 2	Personal and Social Adjustment	3

Speech 2	Elements of Public Speaking	3	Speech 2	Elements of Public Speaking	3
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**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 69 meet the requirement for a Physical Education activity class. PE courses numbered over 69 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) he or she has a medically excused disability. Please note that adaptive Physical Education is provided to meet the needs of most physically disabled students.

**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.

## Course Descriptions

### PHYSICAL EDUCATION ACTIVITIES

½ Unit

Prerequisite: PE 10 through PE39--no prerequisite, PE 40 through PE 49 requires beginning course or consent of instructor.  
2 hours activity weekly.

### BEGINNING MEN'S ACTIVITIES

PE10 **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. (F)

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. Spring semester only.

#### **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. (F)

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 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. (F)



- PE 31     **Badminton**—Development of skill in playing badminton, including rules, etiquette, and techniques of playing badminton. (F)
- PE 32     **Bowling**—Development of skill in bowling, including rules, etiquette, safety features, and techniques. Class is conducted off campus at the Simi Bowl. (F)
- PE 33     **Golf**—Development of skill in playing golf. The course covers etiquette, rules, and technique of playing golf. (F)
- PE 34     **Tennis**—Development of skill in playing tennis. The course covers etiquette, rules and techniques of playing tennis. (F)
- PE 35     **Basic Dance Skills**—Survey, analysis, and practice of the fundamental dance skills which are basic to all types of dance. (To be offered Fall semester only.)
- PE 36     **Modern Dance**—Development of proficiency in modern dance technique, skills and development of an understanding and appreciation for modern dance as an art form. (F)
- PE 37     **Social, Folk, and Square Dance**—Development of Social, Folk and Square Dance skills, etiquette, understanding, and appreciation. (To be offered Spring semester only.)
- 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. Fall & Spring semesters.

#### INTERMEDIATE ACTIVITIES

- PE 40     **Body Conditioning (men only)**—Advanced techniques and skills of the principles of fitness and the development and maintenance of a high level of efficiency. (F)
- PE 41     **Badminton (Coed)**—Advanced techniques and strategies in badminton including participation in competitive events. (F)
- PE 43     **Intermediate 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. (Spring Semester only)

- PE43 **Golf (Coed)**—Advanced techniques and skills development with special emphasis on links play. Students are assigned play on local courses at their own expense. (F)
- PE 44 **Tennis (Coed)**—Development of higher proficiency and performance of tennis skills with special emphasis on game strategy and techniques. (F)
- PE 45 **Baseball (men only)**—Advanced techniques and strategies in baseball. A continuing development of a high degree of skill is emphasized. (F)
- PE 46 **Modern Dance (Coed)**—A continuing study of modern dance with technique emphasis upon combinations of basic skills. Study of the dance phrase with integration of the elements of rhythm, design, dynamics, and motivation. (To be offered Spring, 1969).
- PE 47 **Basketball (men only)**—Advanced technique and strategies in basketball. A continuing development of a high degree of skill is emphasized. (Spring semester only.)
- PE 48 **Football (men only)**—Advanced technique and strategies in football. A continuing development of a high degree of skill is emphasized.
- PE 49 **Track (men only)**—Advanced techniques and strategies in track. A continuing development of a high degree of skill is emphasized. (F)

#### **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 50 \*Baseball (Spring Semester only).  
 PE 51 \*Basketball (Fall & Spring Semesters).  
 PE 52 \*Cross Country (Fall Semester only).  
 PE 53 \*Football (Fall Semester only).  
 PE 54 \*Golf (Spring Semester only).  
 PE 55 \*Tennis (Spring Semester only).  
 PE 56 \*Track (Spring Semester only).  
 PE 57 \*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 60 – 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 61 – 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, calistenics, and gymnastics, trampoline and tumbling.

### **PE 62 – 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 63 – 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 64 – 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. (F)

**PE 65 – 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. (F).

**PE 66 - 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 67 - 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. (S)

**PE 69 A-B - DANCE PRODUCTION (coed)** **1-2 Units**

Prerequisites: Beginning and Intermediate Modern Dance and/or consent of instructor.  
1 hour lecture and 1-3 hours laboratory per week.

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 69A - Fall Semester only

PE 69B - Spring Semester only

**PE 70 - 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 71 - RECREATIONAL LEADERSHIP**

**2 Units**

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

Exploration of the role of the recreation professional - leadership and group dynamics. An introduction into the problems and principles of program planning consideration, scheduling and evaluation of the various recreational fields. Project and field work required.

**PE 72 A-B - 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 & laboratory experience in sports officiating for men. Proficiency ratings required to successfully complete the course.

72A - Fall Semester - Football, Soccer, Basketball, Wrestling

72B - Spring Semester - Track, Baseball, Rugby, Volleyball

**PE 73 A-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 & laboratory experience in sports officiating for women. Women's National Officials Rating Committee (WNORC) ratings may be earned in several sports.

PE 73A - Fall Semester - Basketball and Volleyball

PE 73B - Spring Semester - Softball, Track & Field, and Soccer

**PE 77 - CREATIVE RHYTHMIC ACTIVITIES FOR CHILDREN**

**2 Units**

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

A presentation of methods and materials with which teachers of preschool and early elementary school-aged children can lead their classes in creative rhythmic and dance activities; thereby offering their students experience in an expressive medium that can further physical, mental and social development. (Co-number: HE 77)

## HEALTH SCIENCE

### HS 1 – HEALTH AND SOCIETY

2 Units

Prerequisites: None.  
2 hours lecture weekly.

Consideration of the nature and function of health in our social pattern. An analysis of major health problems designed to contribute to the student's understanding of his role as an individual and as a contributing member of the community's efforts to implement the advances of medicine and the health sciences.

### 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 preventive 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, fractures, dressings and bandages, care and treatment of athletic injuries. Successful completion of this course qualifies for the standard or the advanced "American Red Cross First Aid to the Injured" certificate.

# PHYSICS

Faculty: John Menzie; Harold Meyer

Counselor: William Jay

Physicists investigate and attempt to understand the fundamental laws of nature and how these laws may be formulated and put to use. The physics major is designed for students interested in an understanding of the laws of matter and energy and in applying this understanding in a wide range of careers. Opportunities for research and development abound in industry and in government. There is great need in schools, colleges, and universities for teachers and research physicists, as well as in the space and electronic industries.

## REQUIRED COURSES IN MAJOR

San Fernando Valley State College			University of California, Los Angeles		
Ph 4A	Mechanics of Solids	3	Ph 4A	Mechanics of Solids	3
Ph 4B	Mechanics of Fluids, Heat, Sound, Light	3	Ph 4B	Mechanics of Fluids, Heat Sound and Light	3
Ph 4C	Electricity and Magnetism & Optics	3	Ph 4C	Electricity and Magnetism & Optics	3
Math 25A-B-C	Calculus w/Analytic Geom	5,5,5	Math 25 A-B-C	Calculus w/Analytic Geom	5,5,5
Math 35	Applied Linear Algebra Differential Equation	3	Math 31	Introduction to Linear Algebra	3
Chem 1A-B	General Chemistry	5,5	Chem 1A-B	General Chemistry	5,5

## RECOMMENDED GENERAL EDUCATION COURSES

Math 18	Computer Programming- Fortran	2	Math 18	Computer Programming- Fortran	2
			For Lan	Foreign Language	4,4,4

## Course Descriptions

### Ph 2A-B - GENERAL PHYSICS

3-4 Units

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

Ph 3 must be taken concurrently with Ph 2A.

3 hours lecture weekly for Ph 2A. 3 hours lecture, 3 hours laboratory weekly for Ph 2B.

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. (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 2A, Ph 10 or Ph 11A.  
3 hours laboratory weekly.

A laboratory course to accompany all non-engineering beginning physics course (2A, 10, 11A). The role of the laboratory in solving problems is defined and basic arts of planning, execution, analysis and synthesis in experimentation is practiced. Basic measurement skills of time, mass, lengths and charge are required. (F, S)

**Ph 4A - MECHANICS OF SOLIDS** **3 Units**

Prerequisites: High school physics or Physics 10 with laboratory or equivalent, Math 25A, (taken concurrently).  
2 hours lecture, 3 hours laboratory weekly.

An introductory study of statistics and dynamics of particles and rigid bodies. This course uses analytical techniques such as calculus and vector analysis where needed and is intended for majors in physics, engineering, chemistry, and mathematics. Relativistic mechanics is introduced. Basic lab techniques and skills are emphasized. (F)

**Ph 4B - MECHANICS OF FLUIDS, HEAT, SOUND AND LIGHT** **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, and geometrical and physical optics. Some basic exercises in lab and some real problems. (S)

**Ph 4C - ELECTRICITY AND MAGNETISM AND OPTICS** **3 Units**

Prerequisites: Successful completion of Ph 4B or equivalent and Math 25B.  
2 hours lecture, 3 hours laboratory weekly.

An introduction to electricity, magnetism and optics. 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. The electromagnetic nature of light is emphasized. Lab employs AC and DC circuits to include oscilloscopes and other modern laboratory equipment. (F)

**Ph 4D - 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 atomic and nuclear physics. Selected topics in quantum mechanics are discussed. The solution of problems in vector calculus and differential equation is demonstrated. Three hours of laboratory work each week in atomic and nuclear physics. (S)

**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-démonstrations, 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. (F)

**Ph 22 – 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**

**Phys Sci 1A-B – INTRODUCTION TO PHYSICAL SCIENCE**

**3-3 Units**

Prerequisites: Math 1 or equivalent; Phys Sci 1A for 1B

2 hours lecture, 3 hours laboratory weekly.

Fundamental concepts of physics, chemistry, geology, astronomy, meteorology and the historical record of scientific discovery. 1A will deal with the fundamental concepts of physics and chemistry. 1B will deal with the fundamental concepts of geology, astronomy and meteorology. (F,S)

**Phys Sci 22 – 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: Roger Boedecker; Jess Castro; Robert Herman; Stephen Herzog,  
 Department Chairman; Michael Olds.

Counselor: Jess Castro

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

## REQUIRED COURSES IN THE MAJOR

San Fernando Valley State College			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	Core courses are taken in Soph. year.		
Hist 1B	Intro to Western Civ	3			

## REQUIRED GENERAL EDUCATION COURSES

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

## RECOMMENDED GENERAL EDUCATION 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

## *Course Descriptions*

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### **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 systems; major governmental institutions, theories about 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 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) (Co-numbers: LE4)

**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 decision 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.

**PoI Sci 22A-B - 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.

**PoI 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; Maxine Tallman.

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-B	Intro to Psychology	3,3	Psych 1A-B	Intro to Psychology	3,3
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

## ***Course Descriptions***

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### **Psych 1A - GENERAL PSYCHOLOGY**

**3 Units**

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

An examination of the subject matter of psychology with emphasis on those areas relating to the understanding of behavior, including the influence of heredity and environment, personality development and adjustment, motivation abilities, perception and learning. Designed particularly for those majoring in Psychology.

### **Psych 1B - GENERAL PSYCHOLOGY**

**3 Units**

Prerequisites: Psych 1A, Satisfactory score on placement test.  
3 hours lecture weekly.

An introduction to experimental methodology in psychology with the emphasis on learning, perception and the physiological basis of behavior.

### **Psych 2 - PERSONAL AND SOCIAL ADJUSTMENT**

**3 Units**

Prerequisite: Psych 1A.  
3 hours lecture weekly.

Orientation in the use of psychological principles applied in understanding human relationships and developing social adaptability; major emphasis on the dynamics of normal personality development and problems of mental health. This course will satisfy the General Education requirement in either Psychology or Sociology. The course is designed for those NOT majoring in Psychology. (F)

### **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. (F)

### **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.

**SOCIAL WELFARE**

Faculty: Kenneth Buckner, Walter Lossner

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**

Soc 1	Intro to Sociology	3
Soc 2	Social Problems	3

**University of California, Los Angeles**

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

**REQUIRED GENERAL EDUCATION COURSES**

For Lan	Foreign Language	4,4,4
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# SOCIOLOGY

Faculty: Kenneth Buckner, Walter Lossner

Counselor: 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 1A	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 1A-B	Composition & Literature	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

## Course Descriptions

### 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 22 - 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 student 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.

## ANTHROPOLOGY

**Anth 1 - PHYSICAL ANTHROPOLOGY** **3 Units**

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

Human biology and physical anthropology; facts and problems of human evolution; the origin and antiquity of man; fossil man; race and race differences; the origins of culture. (F,S)

**Anth 2 - CULTURAL ANTHOPOLOGY** **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)

## EDUCATION

### Ed 1 A-B - INSTRUCTIONAL SKILLS

3-3 Units

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

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



# SPEECH

Faculty: C. Tod Fortner; Carole 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

Speech 1	Intro to Speech	3
Speech 2	Public Speaking	3
Speech 5	Oral Interpretation	3
	(Speech 5 not required for Speech Correction major)	

### University of California, Santa Barbara

Speech 1	Intro to Speech	3
General Speech Major		
Broad 1	Intro to Radio-TV Broad	3
Rhetoric & Public Address Major		
Speech 5	Oral Interpretation	3
Speech & Drama Major		
Speech 5	Oral Interpretation	3

## REQUIRED GENERAL EDUCATION COURSES

For Lan	Foreign Language	4,4,4
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 2	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

**Speech 1 - INTRODUCTION TO SPEECH****3 Units**

Prerequisite: Eligibility for Engl 1A  
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 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 Ginot

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

## REQUIRED GENERAL EDUCATION COURSES

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

## RECOMMENDED GENERAL EDUCATION COURSES

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

## Course Descriptions

### 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 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 20A-B - THEATRE PRODUCTION****2-2 Units**

Prerequisite: 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 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**

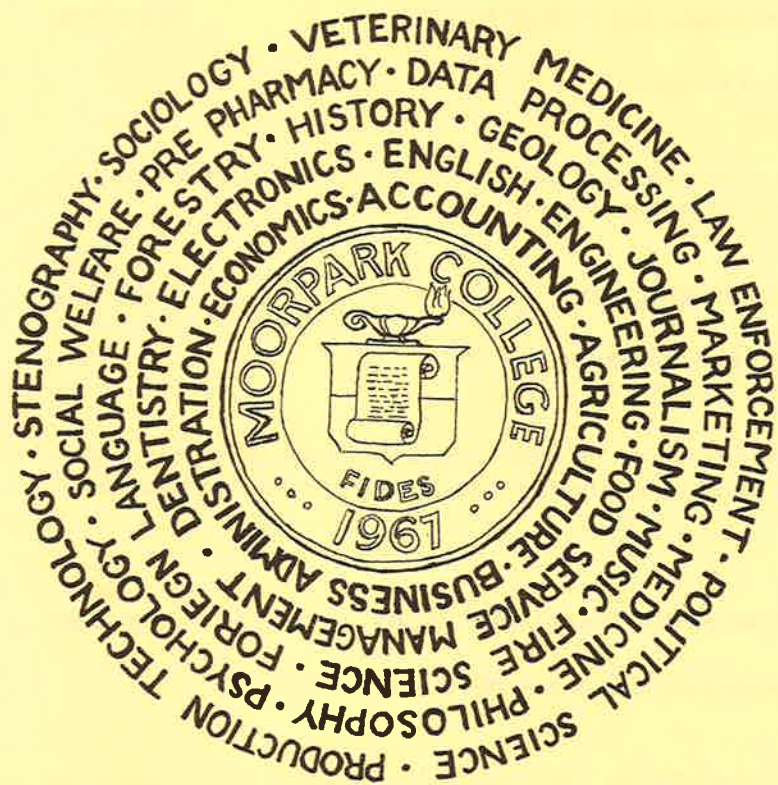
Prerequisites: A course in the specific field and the consent of the instructor and Division Chairman.  
1-3 hours tutorial weekly.

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.



# Faculty and Administration

## COLLEGE ADMINISTRATION



**COLLINS, JOHN J.**

**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-

**MOORE, RICHARD L.**

**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-



**LOMBARDI, ROBERT A.**

**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-

**GAYLE, JAMES R.**

**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-



**LAWSON, WILLIAM H.**

**Assistant Dean of Instruction,  
Vocational-Technical and Evening**

B.S., San Jose State College; M.S., San Jose State College; Ph.D. Claremont Graduate School and University Center; 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-

**CAMILLUCI, LEWIS**

**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-



**HEARON, W. RAY**

**Assistant Dean of Students,  
Student Activities**

B.A., M.A., University of California, Berkeley; 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-

**SLAMA, MICHAEL M.**

**Director of Library Services**

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



## ***DIVISION CHAIRMEN***



**AINGE, KENNETH E.**

**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-

**GILMAN, RICHARD E.**

**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-







**MOORE, JAMES 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-

**SIEGEL, HOWARD**

**Chairman, Division of Humanities and Social Sciences**

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



## *DEPARTMENT HEADS*



**HERZOG, STEPHEN J.**

**Head, Department of Social Sciences**

B.A., M.A., PhD., 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, 1967-1968; Moorpark College 1967

**LEHR, JAMES B.**

**Department Head, Physical Sciences and Mathematics**

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



**REYNOLDS, ROBERT E.**

**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-

**RODGERS, WILLIAM C.**

**Department Head  
Business and Economics**

B.A., St. Ambrose College; M.B.A., San Jose State; Assistant Professor, San Jose State College; Advisor of the American Marketing Association, San Jose State College; Moorpark College 1968-



**SCHONBERGER, CLINTON F.**

**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-

**SEELY, MICHAEL K.**

**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. Instructor at Ventura College; Moorpark College 1967-



## **COORDINATORS**



**EDDE, BYRON D.**      **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-

**FLEMING, JACK A.**

**Law Enforcement**

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





**LLOYD, LAWRENCE G.**

**Community Services;  
Journalism, English**

A.B., M.A., University of Southern California; Instructor, Burbank High School; Vice-President of the California Federation of Teachers since May, 1967; Moorpark College 1967-

**SOMMER, MAYNARD E.**

**Maintenance and Grounds  
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-



## **COUNSELORS**

**CAMILLUCCI, LEWIS**

**Counseling - Assistant Dean of Students**

Counseling Assignment: Advanced Placement.



**BRINKMAN, GARY W.**

**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; Moorpark College 1967-

Counseling Assignment: Physical Education, Fire Science, Law Enforcement.

**CASTRO, JESS A.**

**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.



**GINET, CAROLE**

**Counseling, English**

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

Counseling Assignment: Foreign Language, Art, Music, Speech, Theatre Arts.

**GLOVER, ROLAND**

**Counseling, Speech**  
B.A., L.A. City College; M.A., Mt. St. Mary's College; Instructor, West Torrance High School, Aviation High School. Compton College; Moorpark College, 1968-  
Counseling Assignment: Liberal Arts, Real Estate.



**HEARON, RAY**

**Counseling, History**  
Counseling Assignment: Secretarial.

**Counseling, History**



**JAY, WILLIAM**

**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.

**Counseling, Mathematics**

**LONG, KNOX T.**

**Counseling, History**  
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, Buena High School; Moorpark College, 1968-  
Counseling Assignments: Accounting, Business Administration, Business Management, Economics, Secretarial Administration.

**Counseling, History**



**SOMMER, MAYNARD E.**

**Counseling, Agriculture**  
Counseling Assignment: Forestry, Veterinary Medicine.

**Counseling, Agriculture**



**STRUMPF, MICHAEL**

**Counseling, 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-  
Counseling Assignments: Liberal Arts, Library Technology.

**Counseling, Reading**

**TALLMAN, MAXINE R.**

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

**Counseling, Psychology**



## FACULTY



**ALDERMAN, JOHN**

**Librarian**

B.A., Valley State College; M.A., San Jose State College; Librarian, U.S. Government, Seal Beach, California; Fremont City Schools; Moorpark College, 1969-

**ADLER, SIDNEY**

**English**

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



**AIKEN, KIRK**

**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-

**ANDERSON, DONALD**

**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-



**BASSETT, ESTELLA M.**

**College Nurse, Health Education**

E.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-

**BETTINI, ARTHUR J.**

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-

**History**



**BISHOP, DAVID L.**

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

**Life Sciences**

**BLACK, RICHARD L.**

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

**English**



**BRIDGEMAN, GERALD**

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

**Political Science**

**BRISBY, WILLIAM L.**

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; Chairman, Science Department, Fillmore High School; Moorpark College, 1969-

**Biology**





**BOEDECKER, W. ROGER**

**Geography, Political Science**

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-



**BOWEN, DONALD C.**

**Business Administration**

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



**BUCKNER, KENNETH L.**

**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-



**BUGAJ, SANDRA**

**English**

B.A., M.A., University of California, Los Angeles; Research Assistant, Neurophysiatic Institute; Instructor, Los Angeles City schools, Los Angeles Valley College, Santa Monica City College, Westlake School for Girls; Moorpark College, 1969-



**BURKE, TANYA L.**

**Business Education**

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

**CAULDWELL, ELEANOR E.**

B.A., Mills College; M.S., University of California, Los Angeles; Instructor, Mills College, UCLA; Associate chemist, Aerojet General Corporation, Sacramento; Moorpark College 1968-

**Chemistry**



**CHAPMAN, M. JANE**

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

**Foreign Language**

**CUSSEN, LINDA**

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

**Physical Education**



**DEVLIN, J. RICHARD**

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

**Food Service Management**

**DICKNEIDER, WILLIAM C.**

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-

**Economics**





**DUNHAM, PAUL**

**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-



**FECHT, GERALD R.**

**Political Science, History**

B.A., M.A., University of Southern California; Instructor, Patrick Henry Junior High School, Burbank High School; Moorpark College, 1969-



**FORTNER, C. TOD**

**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-

**GARBUTT, MAX O.**

**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-



**GRIFFITH, W. RANDOLPH**

**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-

**HANFT, JOHN W.**

**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-



**HARRIS, VERLE D.**

**Engineering**

B.S., California State, Long Beach; Industrial Engineer; Ventura County Department of Public Works; Registered Engineer; Moorpark College 1968-

**HERMAN, ROBERT M.**

**Political Science**

B.A., M.A., University of California, Santa Barbara; Teaching Assistant, University of California, Irvine; Advisor, President's Commission on Law Enforcement and the Administration of Justice; Moorpark College 1968-



**HOUSER, PHILIP**

**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-

**HUGHES, JUDY L.**

**Home Economics**

B.S., University of California, Los Angeles; Graduate work, San Fernando Valley State College; Southern California Gas Company Home Economist, Moorpark College, 1969-





**HURLEY, JOHN E.**

**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-

**INGERSOLL, ORBIE D.**

**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-



**KEEVER, JOHN P.**

**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-

**LABEL, CECILE M.**

**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-



**LANDSTAD, JULIE**

**English**

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

**LANE, JAMES W.**

**Law Enforcement**  
A.A., Valley College, Van Nuys, California; Los Angeles City police captain; Instructor, Valley College; Moorpark College, 1969-



**LIETZAU, RICHARD N.**

**Business Education**

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

**LOSSNER, WALTER M.**

**Sociology**  
B.A., B.D., Concordia Seminary; M.S., Los Angeles State College, Ph.D. University of Southern California; Instructor, Glendale College, University of Southern California; Pastor, Lutheran Church; Moorpark College, 1969-



**LOWE, ALAN**

**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-

**McMULLOUGH, MODEAN**

**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, Valley City State College, North Dakota, Simi Valley High School; Moorpark College, 1969-





**MARTIN, FLOYD D.**

**Mathematics**

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

**MASON, KATHLEEN C.**

**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-



**MEDLEY, DON B.**

**Data Processing**

Adrian College, Michigan, Toledo University, Pierce College; Senior Computing Analyst, Rocketdyne; Manager, Data Processing Operations, Telecomputing; Programmer, Hughes Aircraft; Supervisor, Data Processing, Kobacker Stores; Moorpark College 1968-

**MENZIE, JOHN C.**

**Physics**

A.B., University of California at Riverside; M.A., Brown University Graduate School; Instructor, San Bernardino Valley State College; Moorpark College 1967-



**MEYER, HAROLD F.**

**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-

**MILLER, DARRELL**

U.S. Navy, retired; Navy Commissary School; Chief Commissary Man; Instructor, Navy Commissary School. San Diego; Moorpark College, 1969-

**Food Service**



**MILLER, ROBERT W.**

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

**Chemistry**

**MOLNAR, CHARLES D.**

B.S., Harvey Mudd College; M.A., University of California, Riverside; Instructor, Claremont High School, Chaffey High School; Co-Author of Problem Solving in General Chemistry; Moorpark College 1968-

**Mathematics**



**MURPHY, DAVID K.**

B.S., University of California, M.S., University of California, Santa Barbara; Research Assistant, University of California, Santa Barbara; Instructor, University of California, Santa Barbara; Moorpark College, 1969-

**Chemistry**

**MURRY, SUZANNE D.**

B.S., University of Denver, Colorado; Instructor, Santiago High School, Garden Grove; Rolling Hills High School, Palos Verdes; Newbury Park High School, Newbury Park; South Bay Adult School; Moorpark College 1968-

**Business Education**





**NORDQUIST, ALVYN O.**

**Physical Education**

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

**OLDS, MICHAEL**

**History**

A.B., Princeton University; A.M., Fletcher School of Law & Diplomacy, Tufts University; M.A.L.D., Fletcher School of Law & Diplomacy, Tufts University; Instructor, Tunghai University, Taiwan; Moorpark College 1968-



**OWEN, EARL B.**

**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-

**PARKER, DELBERT M.**

**Physical Education**

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



**PACHECO, DARLENE**

**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-

**PEARSON, MRS. BEVERLY J.**

**Foreign Languages**  
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-



**POLLOCK, STEVEN J.**

**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-

**POPIEL, JON E.**

**English, Russian**  
A.B., M.A., University of California, Los Angeles; Los Angeles Valley College, Moorpark College 1968-



**RAGSDALE, GEORGE C.**

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

**REYNOLDS, JACK G.**

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







**REYNOSO, AMADO**

**Mexican-American Studies**

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-

**SARDISCO, FRANK V.**

**Art**

B.A., UCLA; M.F.A., Otis Art Institute; Instructor, Woodbury College, Los Angeles; Ventura College; Moorpark College 1968-



**SARNECKY, DOROTHY**

**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-

**SCOTT, DELMORE E.**

**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-



**SHERIDAN, PAMELA**

**English**

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

**SHINDO, KOKKI**

**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-



**STALEY, JUDITH JILL**

**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-

**STATLER, RICHARD G.**

**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-



**STEMEN, JAMES A.**

**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-

**STEPHENS, ROBERT T.**

**Mathematics**

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





**STURGEON, JAMES H.**

**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-

**THOMSEN, JOHN E.**

**Engineering**

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



**TOWNSEND, DEAN**

**English**

A.B., University of California, Berkeley; M.A., San Francisco State College; Social work, Santa Clara County; Instructor, Ceres, California, Pleasonton, California, Boise State College, Boise, Idaho; Moorpark College, 1969-

**WAGNER, DAVID A.**

**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-



**WALL, SINCLAIR**

**Reading**

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-



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