

# STANISLAUS STATE COLLEGE

1964-65

CATALOG

TURLOCK, CALIFORNIA

Requirements and programs leading to credentials are presented in this publication pending final review and formal approval by the Board of Trustees of the California State Colleges. Resulting modification, if any, may be obtained from credential advisers of the Division of Education.

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Turlock, California 95380



TO: **Admissions and Records Office**  
**Stanislaus State College**

Date: \_\_\_\_\_

Please send me an Application for Admission form and Admission Instructions.  
I plan to seek admission for the Fall/Spring (circle one) semester 196\_\_\_\_\_.

I have/have not (circle one) previously attended Stanislaus State College.

Full Name: Miss \_\_\_\_\_  
Mrs. \_\_\_\_\_  
Mr. \_\_\_\_\_ Last \_\_\_\_\_ First \_\_\_\_\_ Middle \_\_\_\_\_

Address: \_\_\_\_\_  
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STANISLAUS STATE COLLEGE

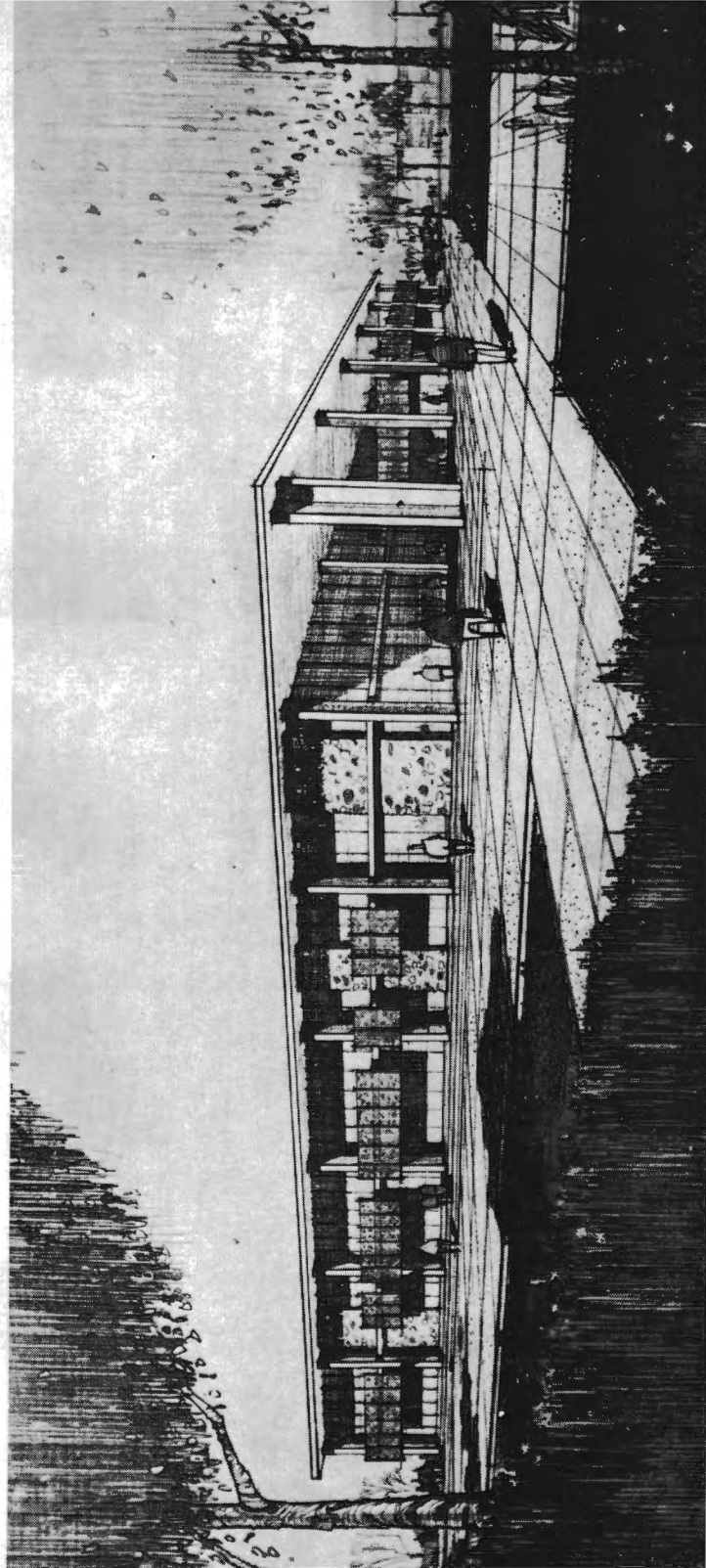
THE CALIFORNIA STATE COLLEGES

# CATALOG

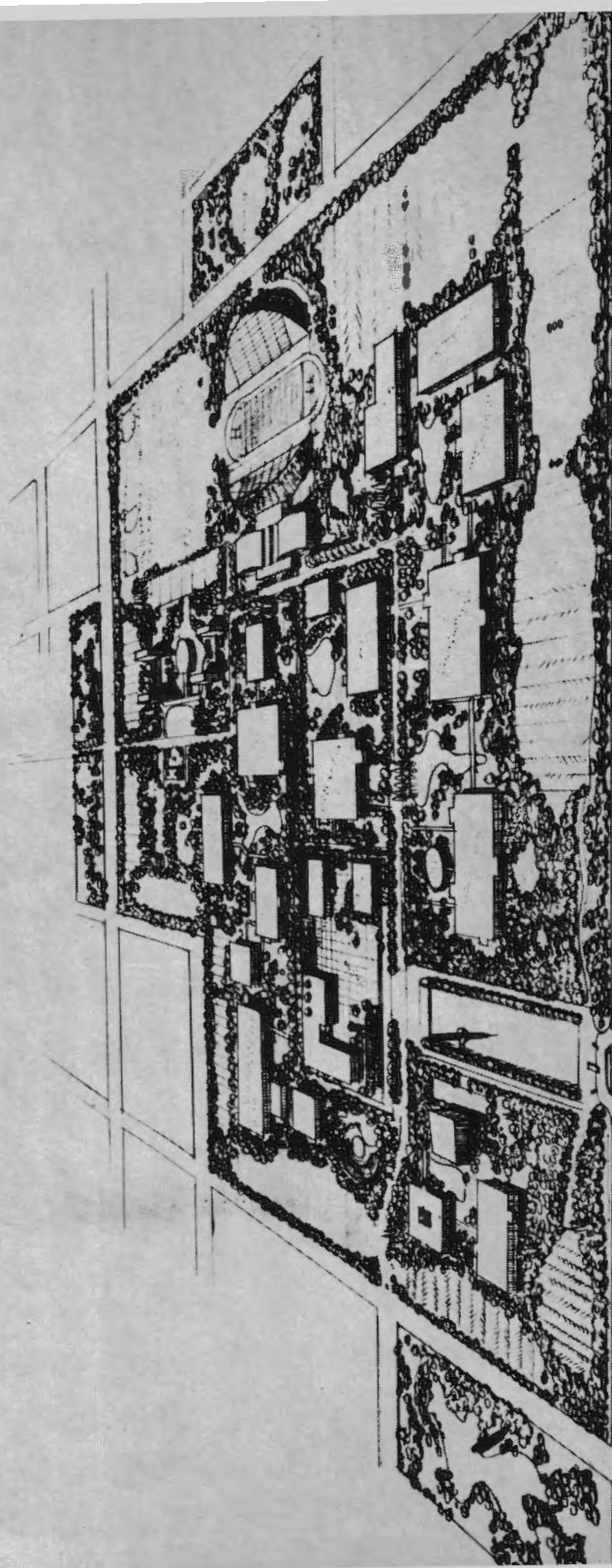
**1964-1965**

**Turlock, California**





**Future SSC Library Building**  
Occupancy Anticipated by Fall 1965



STANISLAUS STATE COLLEGE  
STANISLAUS COUNTY CALIFORNIA

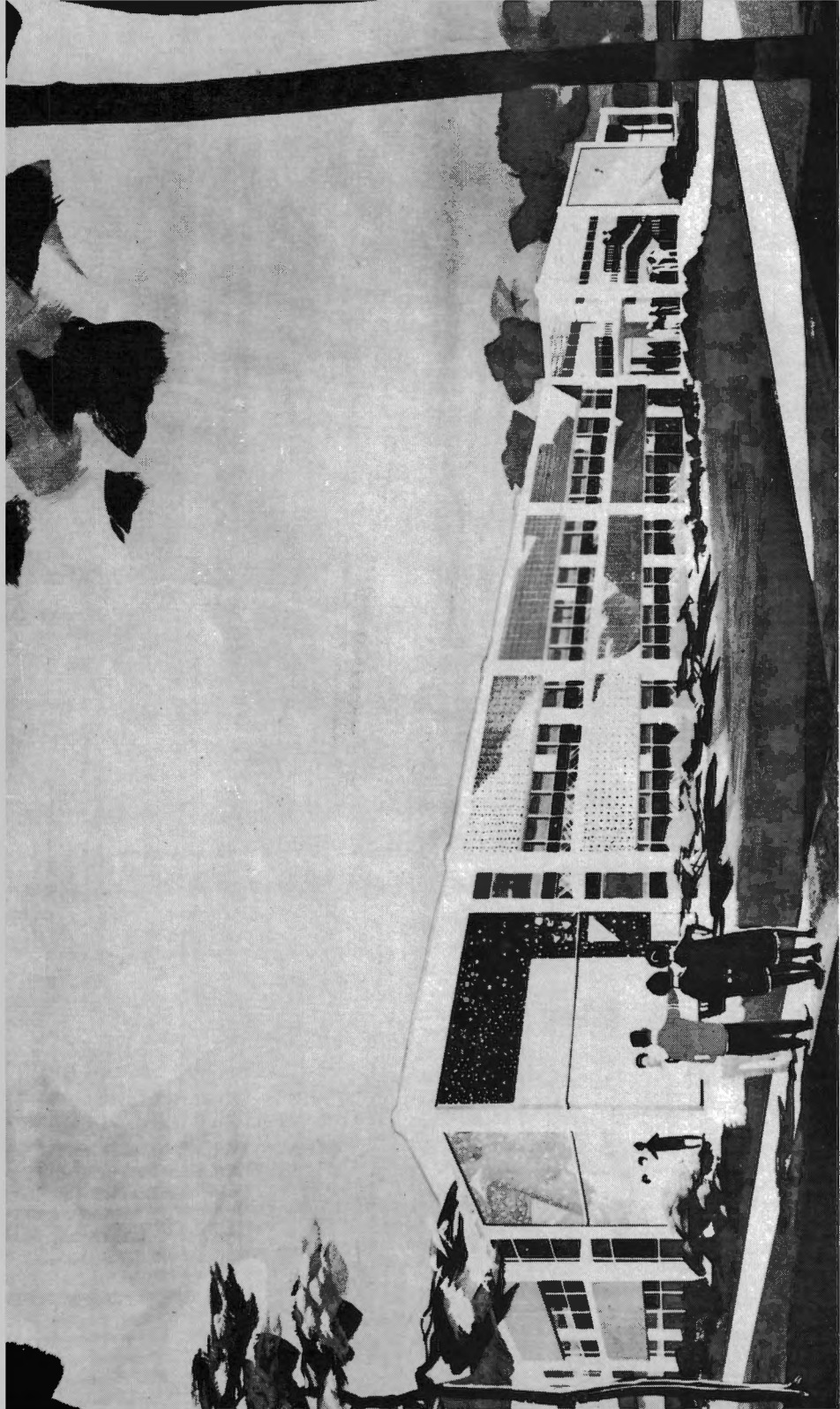
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**The College Library serves as one of the centers of academic life.**



Future SSC Classroom Building

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## ACADEMIC CALENDAR

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### SUMMER SESSION, 1964

June 22-July 31 ..... Six week session

August 3-14..... Two week workshops

Consult 1964 Summer Session Bulletin, available from the Office of the Dean of Educational Services and Summer Session for further information.

### FALL SEMESTER, 1964

August 15, Saturday..... Deadline for filing applications for admission or readmission, transcripts, and supporting admissions documents for fall semester (the College cannot guarantee complete admissions processing for students who complete the application procedure after this date)

September 9, Wednesday..... Faculty orientation

September 10-12, Thursday through Saturday until noon ..... Registration (refer to *Class Schedule*)

September 12, Saturday until noon..... Last day to register without late registration fee

September 14, Monday ..... Opening ceremonies and student orientation program

September 14, Monday ..... Instruction begins

September 15, Tuesday ..... Period for accepting admission applications for spring semester begins

September 18, Friday..... First day to add or drop courses

September 18, Friday ..... Last day of late registration

September 25, Friday..... Last day to apply for fall 1964 graduation

September 25, Friday..... Last day to add a course

September 28, Monday ..... Last day to file application for partial refund of fees from dropping courses or withdrawing from the college

October 12, Monday ..... First scholarship report

October 16, Friday..... Last day to drop a course without a grade

October 16, Friday..... Applications due for spring 1965 and summer session 1965 graduation

November 11, Wednesday..... Legal holiday (Veterans Day)

November 16, Monday ..... Second scholarship report

- November 26-29, Thursday through Sunday.....Thanksgiving holidays  
December 21-January 3, Monday through Sunday.....Christmas holidays  
January 4-8; 11-15, Monday through Friday.....Advising period for spring registration  
January 7, Thursday.....Scholarship and loan applications for spring semester due  
January 15, Friday.....Last day of classes for fall semester  
January 18-23, Monday through Saturday.....Final examinations for fall semester  
January 23, Saturday.....Fall semester ends

**SPRING SEMESTER, 1965**

- January 15, Friday.....Deadline for filing applications for admission or readmission, transcripts, and supporting admissions documents for spring semester (the College cannot guarantee complete admissions processing for students who complete the application procedure after this date)  
January 28-30, Thursday until noon Saturday.....Registration (refer to *Class Schedule*)  
January 30, Saturday until noon.....Last day to register without late registration fee  
February 1, Monday.....Student orientation program  
February 1, Monday.....Instruction begins  
February 5, Friday.....First day to add or drop courses  
February 5, Friday.....Last day of late registration  
February 11, Thursday.....Last day to apply for spring 1965 and summer session 1965 graduation  
February 11, Thursday.....Last day to add a course  
February 12, Friday.....Legal holiday (Lincoln's birthday)  
February 15, Monday.....Last day to file application for partial refund of fees from dropping courses or withdrawing from the college  
February 15, Monday.....Period for accepting admission applications for fall semester begins  
February 22, Monday.....Legal holiday (Washington's birthday)  
March 1, Monday.....First scholarship report  
March 5, Friday.....Last day to drop a course without a grade  
March 5, Friday.....Applications due for fall 1965 graduation

## **Academic Calendar**

April 5, Monday	Second scholarship report
April 12-18, Monday through Sunday	Easter vacation
May 10-14; 17-21, Mon- day through Friday	Advising period for summer and fall registra- tion
May 20, Thursday	Scholarship and loan applications for summer and fall semester due
May 27, Friday	Last day of classes for spring semester.
May 28-June 4, Friday through Friday	Final examinations for spring semester
May 31, Monday	Legal holiday (Memorial Day, Sunday, May 30)
June 5, Saturday	Baccalaureate
June 5, Saturday	Commencement
June 5, Saturday	Spring semester ends

### **SUMMER SESSION, 1965**

Dates to be announced.

### **OFFICE HOURS**

Regular Session	Monday-Friday, 8 a.m. to 12; 1 to 5 p.m.
Summer Session	Monday-Friday, 7:30 a.m. to 12; 1 to 4:30 p.m.

### **LIBRARY HOURS**

Regular Session	Monday-Thursday, 8 a.m. to 9 p.m.; Friday, 8 a.m. to 5 p.m.; Saturday, 9 a.m. to 1 p.m.
Summer Session	Monday-Friday, 7:30 a.m. to 4:30 p.m.



**TRUSTEES**

**CALIFORNIA STATE COLLEGES**

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**EX OFFICIO TRUSTEES**

- Edmund G. Brown, LL.B. .... State Capitol, Sacramento  
Governor of California and President of the Trustees
- Glenn M. Anderson, A.B. .... State Capitol, Sacramento  
Lieutenant Governor of California
- Jesse M. Unruh, B.A. .... State Capitol, Sacramento  
Speaker of the Assembly
- Max Rafferty, A.B., M.A., Ed.D. .... 721 Capitol Avenue, Sacramento  
State Superintendent of Public Instruction
- Glenn S. Dumke, A.B., M.A., Ph.D., LL.D., L.H.D.  
2930 W. Imperial Hwy., Inglewood  
Chancellor of the California State Colleges

**APPOINTED TRUSTEES**

The term of the appointed trustees is eight years, and terms expire March 1 of the years indicated in parentheses. Names are listed in order of original accession to the board.

- Louis H. Heilbron, A.B., LL.B., LL.D. (1969)  
14 Montgomery St., San Francisco 94104
- Donald M. Hart, B.A. (1968)  
2230 Pine St., Bakersfield 93302
- William K. Coblenz, A.B., LL.B. (1970)  
333 Montgomery St., San Francisco 94104
- Paul Spencer, B.A. (1969)  
P. O. Box 145, San Dimas 91773
- Theodore Meriam, A.B. (1971)  
P. O. Box 370, Chico 95927
- Allen J. Sutherland, A.B. (1964)  
630 Rosecrans, San Diego 92101
- Thomas L. Pitts (1966)  
995 Market St., Rm. 810, San Francisco 94103
- Charles Luckman, LL.D., A.F.D. (1966)  
Charles Luckman Associates, 9220 Sunset Blvd.,  
Los Angeles 90046
- Albert J. Ruffo, LL.B., B.S., in E.E. (1971)  
1680 Hedding St., San Jose 95113

## **Trustees California State Colleges**

- John E. Carr, B.A. (1965)  
611 Lido Park Dr., Newport Beach 92660
- Mrs. Philip Conley, B.A. (1964)  
3729 Huntington Blvd., Fresno 93702
- E. Guy Warren, B.A. (1965)  
P. O. Box 59, Hayward 94541
- Daniel H. Ridder, B.A. (1967)  
Long Beach Independent Press Telegram,  
604 Pine St., Long Beach 90801
- George D. Hart, A.B. (1967)  
111 Sutter St., San Francisco 94104
- Gregson E. Bautzer, B.A., LL.B. (1968)  
190 N. Cañon Dr., Beverly Hills 90069
- George A. Thatcher (1970)  
10889 Wilshire Blvd., Suite 860, Los Angeles 90024

### **OFFICERS OF THE TRUSTEES**

Edmund G. Brown, Governor President	Albert J. Ruffo Vice Chairman
Charles Luckman Chairman	Glenn S. Dumke, Chancellor and Secretary-Treasurer

### **OFFICE OF THE CHANCELLOR OF**

**THE CALIFORNIA STATE COLLEGES**  
2930 West Imperial Highway  
Inglewood, California, 90303

Chancellor .....	Glenn S. Dumke
Vice Chancellor, Academic Affairs.....	Raymond A. Rydell
Vice Chancellor, Business Affairs.....	John F. Richardson
Assistant Chancellor, Faculty and Staff Affairs.....	C. Mansel Keene

## THE CALIFORNIA STATE COLLEGES

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### PRESIDENTS

- San Jose State College.....Dr. John T. Wahlquist, President  
San Jose 14, California
- Chico State College.....Dr. Glenn Kendall, President  
First and Normal Streets, Chico, California
- San Diego State College.....Dr. Malcolm A. Love, President  
5402 College Avenue, San Diego 15, California
- San Francisco State College.....Dr. Paul A. Dodd, President  
1600 Holloway Avenue, San Francisco 27, California
- California State Polytechnic College.....Dr. Julian A. McPhee, President  
San Luis Obispo campus, San Luis Obispo, California
- Fresno State College.....Dr. Arnold E. Joyal, President  
Shaw and Cedar Avenues, Fresno 26, California
- Humboldt State College.....Dr. Cornelius H. Siemens, President  
Arcata, California
- Los Angeles State College.....Dr. Franklyn A. Johnson, President  
5151 State College Drive, Los Angeles 32, California
- Sacramento State College.....Dr. Guy A. West, President  
6000 Jay Street, Sacramento 19, California
- California State Polytechnic College.....Dr. Julian A. McPhee, President  
Kellogg-Voorhis campus, Pomona, California
- Long Beach State College.....Dr. Carl W. McIntosh, President  
6101 East 7th Street, Long Beach 4, California
- Orange State College.....Dr. William B. Langsdorf, President  
800 State College Boulevard, Fullerton, California
- California State College at Hayward.....Dr. Fred F. Harclerod, President  
25800 Hillary Road, Hayward, California
- San Fernando Valley State College.....Dr. Ralph Prator, President  
18111 Nordhoff Avenue, Northridge, California
- Stanislaus State College.....Dr. Alexander Capurso, President  
Turlock, California
- Sonoma State College.....Dr. Ambrose R. Nichols, Jr., President  
265 College View Drive, Cotati, California
- California State College at Palos Verdes.....Dr. Leo F. Cain, President  
Mailing Address: 2930 West Imperial Highway, Inglewood, California
- California State College at San Bernardino.....Dr. John M. Pfau, President  
Mailing Address: 532 Mountain View Ave., San Bernardino, California

## HISTORY

The California State Colleges are a unique development of the democratic concept of tax-supported public higher education for all qualified students.

Spanning the state from Humboldt County in the north to San Diego in the south, the 16 campuses of the California State Colleges (with two additional campuses in the planning stage) represent the largest system of public higher education in the Western Hemisphere and one of the largest in the world. Current enrollment is more than 135,000 full and part-time students. The faculty and administrative staff numbers some 7,000.

The individual colleges, each with a geographic, curricular and academic character of its own, offer a solid basic program in the liberal arts. Beyond this, each college is noted for its individuality in academic emphasis which makes for a diversified system. Course offerings leading to the bachelor's and master's degree are designed to satisfy existing student interests and to serve the technical and professional manpower requirements of the state.

The California State Colleges are dedicated to rigorous academic standards. Constant striving for academic excellence is at the heart of the system. Each faculty within the system is a 'teaching faculty' whose primary responsibility is the instructional process on the teacher-student level, with appropriate recognition of the necessary and constructive role of research in any institution of higher education.

Responsibility for the California State Colleges is vested in the Board of Trustees, which is appointed by the Governor, and the Board's administrative arm, the Chancellor. The Trustees and the Chancellor set broad policy for the colleges while delegating considerable independent responsibility for implementation at the college level.

Although the oldest of the colleges, San Jose College dates back a century, the California State College system under an independent Board of Trustees was created by the Donahoe Act of 1960. Formerly, the colleges were under the jurisdiction of the State Board of Education.

Today, the California State Colleges are in a particularly dynamic period of their development. Prior to World War II, there were seven State Colleges with a peak total enrollment of some 13,000. Since 1947, nine new campuses have been developed and two more are scheduled to begin operation within the next two years. Enrollment in the system is expected to reach 180,000 by 1970.

## STANISLAUS STATE COLLEGE

### ADVISORY BOARD

Stanley T. Wilson, Chairman	Turlock
Kenan H. Beard, Sr., Vice-Chairman	Modesto
Hartley H. Bush	Oakdale
Ross A. Carkeet	Sonora
Robert John Evans	Mariposa
Buddy T. Iwata	Livingston
William Logan	Patterson
Mrs. Donald M. Robinson	Merced

### ADMINISTRATION

President	Alexander Capurso, Ph.D., Mus.D.
Secretary to the President	E. Lorraine Johnson
Executive Dean	Gerard J. Crowley, Ed.M.
Administrative Assistant to the Executive Dean	S. LeRoy Wilson, B.A.

### INSTRUCTION

Dean of Academic Affairs (Acting)	Raymond N. Doyle, M.A.
Associate Dean, Curriculum	Gene C. Wisler, Ed.D.
Chairman, Division of Business Administration	Thomas P. Barrett, M.A.
Chairman, Division of Creative Arts	Richard B. Reinholtz, M.Ed.
Chairman, Division of Education	Charles R. Farrar, Ed.D.
Chairman, Division of Humanities	Max C. Norton, Ph.D.
Chairman, Division of Science and Mathematics (Acting)	James C. Hanson, M.A.
Chairman, Division of Social Sciences	David B. Stenzel, Ph.D.
College Librarian	R. Dean Galloway, M.S.
Coordinator, Audio-Visual Center	Chris A. Galas, M.S.

### EDUCATIONAL SERVICES AND SUMMER SESSION

Dean of Educational Services and Summer Session	Raymond N. Doyle, M.A.
Administrative Assistant to the Dean of Educational Services	Rudolph C. Ferguson, M.A.

## **Administration**

### **STUDENT PERSONNEL SERVICES**

Dean of Student Affairs..... Joseph E. Bruggman, Ed.D.  
Associate Dean, Admissions and Records ..... Edward J. Aubert, M.B.A.  
Registrar..... C. W. Quinley, Jr., A.B.  
Counselor ..... Rudolph C. Ferguson, M.A.

### **BUSINESS MANAGEMENT**

Business Manager..... Ernest E. Rives  
Accounting Officer ..... A. Harry Hlad  
Business Services Officer ..... Thomas J. White, A.B.  
Personnel Officer ..... R. Stephen Blankenship, B.A.

### **LIBRARY**

Technical Services..... Miriam C. Maloy, A.B.  
Cataloger..... Agnes L. Bennett, A.M.L.S.  
Cataloger..... Judy J. Ting, M.A.  
Circulation and Reference..... Louise G. Carter, B.S.  
Public Services..... J. Carlyle Parker, M.L.S.

### **SECRETARIAL STAFF**

Secretary to the Executive Dean..... Leona O. Cabral  
Secretary to Dean of Academic Affairs..... Marion J. McCardia  
Secretary to the Dean of Educational Services  
and Summer Session..... Irene D. Hatfield  
Secretary to Dean of Student Affairs..... Carol E. Anderson  
Secretary to Associate Dean, Curriculum..... Marion J. McCardia  
Secretary to Associate Dean, Admissions and Records .. Lucille Graham  
Secretary to College Librarian..... Sharon Bullard  
Secretary to Business Manager..... Chloe Forrette  
Secretary to Business Services Officer..... Anita Johnson

## GENERAL INFORMATION

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### HISTORY OF STANISLAUS STATE COLLEGE

Stanislaus State College is one of the eighteen institutions comprising the California State College system. Dr. J. Burton Vasche was appointed first president of the College. The College opened its doors for the first time on September 19, 1960 in temporary facilities at the Stanislaus County Fairgrounds in Turlock. The College was authorized to admit junior and senior students.

Gerard J. Crowley, upon the death of President Vasche, was appointed acting president in June, 1962.

Dr. Alexander Capurso was appointed president of the College in March, 1963 by the Board of Trustees of the California State College system and assumed this post July, 1963.

The academic year 1963-64 saw plans well advanced for the first units of the permanent campus. Construction of the first phase of permanent facilities including a classroom building and the library began in early 1964 with occupancy of these new facilities scheduled prior to fall, 1965. Effort has been made to develop a campus outstanding in efficiency and beauty through the use of distinctive features, both in interior and exterior design. The master plan for the campus has been designed for an eventual enrollment of 12,000 students. Enrollment for the next decade is estimated not to exceed 2,700.

### ACCREDITATION

Stanislaus State College is fully accredited by the Western Association of Schools and Colleges and the Association of American University Women. It is approved by the United States Veterans Administration and the California State Department of Veterans Affairs.

Courses and degrees are accepted by the Credentials Office of the California State Department of Education.

### DEGREE AND CREDENTIAL PROGRAMS

Stanislaus State College offers programs leading to the following baccalaureate degrees:

- Bachelor of Arts
- Bachelor of Education \*

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\* The Bachelor of Education degree program is being phased out. No new enrollments are being accepted after June 6, 1964.

## **General Information**

Stanislaus State College offers programs leading to the following school credentials:\*\*

Elementary Teaching Credential  
Secondary Teaching Credential

### **MASTER'S DEGREE**

Stanislaus State College is not authorized by the Board of Trustees of the California State Colleges to award a master's degree in any academic field. Admission to graduate courses does not constitute admission to candidacy for a master's degree, and no assurance can be given that courses taken in graduate status will be accepted toward a degree program. Assurance cannot be given that course work completed at the graduate level at this institution will be accepted in transfer by another institution as partial fulfillment of its requirements for the master's degree.

### **LIBRARY**

The general collection of the College Library has been selected to meet the needs of the curriculum. It will contain over 50,000 volumes at the beginning of the academic year 1964-65. Approximately 700 periodical subscriptions are received, with back files of these periodicals available.

The Curriculum Library, a division of the College Library, contains over 2,800 courses of study and teacher's guides. A sample textbook collection includes over 1,800 elementary and secondary school texts in addition to the California State textbooks.

Work has begun on a new library to house an initial collection of 72,000 volumes on the permanent campus. A 24-station listening room and an outdoor reading area are special features of this new building, which is scheduled for completion by the fall of 1965.

### **SUMMER SESSION AND EXTENSION**

Stanislaus State College offers summer session programs each year with courses available in most of the major areas of the curriculum. The programs offered enable students to complete course requirements more rapidly than would otherwise be possible. The summer session also allows teachers an opportunity to acquire depth in academic fields, to complete credential requirements, and to advance their professional competencies. Summer session is the first term of the academic year. A summer session bulletin is issued annually.

\*\* Courses are offered which may be applied toward the satisfaction of credential requirements as set forth by the California State Board of Education. See Division of Education, page 63-65. For further information inquire at the Division of Education Office.



## **General Information**

The College offers a limited program of extension courses. An extension bulletin is published each semester. Summer session and extension students planning to complete the College's degree or credential programs should see Admission to the College pages 22-29.

For bulletins and information refer to the Office of the Dean of Educational Services and Summer Session.

### **INTERNATIONAL PROGRAMS**

Programs of study abroad for students of the California State Colleges for the academic year 1964-65 are to be offered in cooperation with the University of Aix-Marseille, University of Stockholm, University of Heidelberg, Free University of Berlin, and the University of Madrid.

A selection among the applicants from within the California State Colleges is made on the basis of academic, linguistic and personal qualifications. The minimal criteria are:

- a. Applicants must have upper division or graduate standing at the beginning of the 1964-65 academic year.
- b. Applicants must have a grade point average of 3.0 (B), or better, for two semesters of course work (30 units) prior to fall, 1964.
- c. Applicants must be able to demonstrate proficiency in the language of instruction at the host university. Certification of language proficiency will be made by the appropriate faculty member at the student's own campus.
- d. Successful applicants will be asked to provide evidence of good health through a medical certificate within ten days of notification of acceptance for international study.

State College students who qualify may participate in international study programs of the California State Colleges. Upper division and graduate students may undertake a full academic year at major institutions of higher learning in Asia, Europe and Latin America. Academic work successfully completed at the cooperating universities abroad may be applied toward the degree requirements of the State Colleges with the approval of the students' major advisers and in accordance with college regulations. Detailed information may be obtained at the College office of the Dean of Student Affairs or by writing to the Office of International Programs, 1600 Holloway Avenue, San Francisco 32, California.

## ADMISSION TO THE COLLEGE

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Stanislaus State College is authorized to admit for the 1964-65 academic year upper division and graduate students who complete the admission procedure and qualify under the standards described in the following admission requirements.

### ADMISSION REQUIREMENTS

Admission standards in the California State Colleges are prescribed by the Trustees of the California State Colleges and are stated in the *California Administrative Code, Title 5, Education*,\* which provides a uniform pattern of admissions regulations for all the Colleges.

**Freshmen.** Although Stanislaus State College currently admits only upper division and graduate students, the requirements for admission with freshman standing are presented below since they are essential to defining the eligibility for admission of other undergraduates.

A high school graduate must meet one of the following requirements, (a) or (b). All freshman applicants must also complete the required entrance examination in order that their applications be considered. The College Entrance Examination Board Scholastic Aptitude Test (CEEB-SAT) is the admissions examination of Stanislaus State College. (See Admissions Examination, page 26.)

- (a) The applicant must have earned 14 or more semester grades of A or B in subjects taken during the last three years of high school, other than physical education, military science and remedial courses.

Six of the 14 grades must be in college preparatory subjects selected from one or more of the following fields (no specific course pattern is required):

- (1) English, including speech, drama, and journalism, other than activity courses.
- (2) Foreign languages.
- (3) Mathematics.
- (4) Natural sciences.
- (5) Social sciences.

\* The detailed and legal statement of the requirements for admission to the State Colleges is to be found in the *California Administrative Code, Title 5, Education*, sections 40600-41200.

## Admission to the College

- (b) The applicant must have earned 10 or more semester grades of A or B in subjects taken during the last three years of high school, other than physical education, military science, and remedial courses, and have achieved a score at or above the thirtieth percentile on national college freshman norms of a standard college aptitude test. Stanislaus State College requires students to submit the results of the College Entrance Examination Board Scholastic Aptitude Test.

The California State Colleges will change admission requirements for entering freshmen in the fall of 1965. High school students who are planning to apply for admission to a State College at that time should consult with their high school counselors about the new freshman admission standards during the 1964-65 academic year. Counselors will be informed of these new requirements and all developments concerning them as the year goes on.

**Undergraduate Transfers.** An applicant who meets the requirements for admission with freshman standing who has earned 54 to 59 acceptable semester units of credit in one or more accredited junior colleges, colleges, or universities may be admitted if he has a grade point average of 2.0 (grade C on a five-point scale) or better in the total program attempted at such colleges or universities and is in good standing at the last college or university attended.

An applicant who does not meet the requirements for admission with freshman standing must, as a condition for admission, have earned 60 or more units of college credit with a grade point average of 2.0 or better in a total program attempted and must be in good standing as noted above.

**Graduate Students.** Graduate students may be admitted with unclassified status if they have completed a four-year college course and hold an acceptable baccalaureate degree. Classified status will be granted qualified students when the College has been formally authorized to grant the master's degree.

**Students Seeking Readmission.** Students in "good standing" may be readmitted to the College after an absence of one or more semesters by formally apply for readmission.

**Students from Non-Accredited Colleges.** Students who apply with credit from non-accredited colleges may be considered for admission with provisional credit providing they meet the standards stated above for undergraduate transfers or graduate students. (See Credit from Non-Accredited Colleges, page 28.)

## **Admission to the College**

**Students Seeking Enrollment for Fewer than 7 Units.** Students seeking to enroll in a fall or spring semester for fewer than seven semester units must complete the admission procedure and are subject to the admission requirements stated above for undergraduate transfers or graduate students.

**Students Seeking Enrollment as Auditors Without Credit.** Students seeking only to audit courses without credit must complete the admission procedure. If accepted, these students must pay the same registration fees as other students. (See Auditors, page 31.)

**Students Seeking Summer Session or Extension Enrollment.** Students seeking to enroll only for summer session or extension are not subject to the standards stated above for undergraduate transfers or graduate students and are not required to comply with the admission procedure unless they intend to complete the College's degree or credential requirements. (See Summer Session Bulletin for information concerning summer session registration.) Summer session students and extension students who will be enrolling in residence credit courses to complete the College's degree or credential requirements may qualify for current degree or credential requirements and secure assignment to a major adviser by completing the admission procedure and satisfying the admission requirements.

### **ADMISSION PROCEDURE**

#### **WHO MUST APPLY**

An Application for Admission or Readmission form must be filed by any person who plans to enroll for a fall or spring semester and who either was not enrolled for residence credit or audit courses, or who withdrew from the College, during the semester immediately preceding the semester for which he intends to enroll. A student enrolled at the College who qualifies for a baccalaureate degree must apply for readmission with graduate standing in order to continue his enrollment. Enrollment in summer session or extension does not exempt a person from the above requirements.

A student seeking to enroll for summer session or extension is not required to apply for admission unless he intends to complete the College's degree or credential requirements. Summer session students and extension students who plan to enroll in residence credit courses to complete the College's degree or credential requirements may qualify for existing degree or credential requirements and secure assignment to a major adviser by completing the admission procedure and satisfying the admission requirements.

## Admission to the College

### WHEN TO APPLY

Applications for admission are accepted beginning February 15 for the fall semester and September 15 for the spring semester. Applicants for admission or readmission with all transcripts and admission documents are due in the Admissions and Records Office not later than August 15 for the fall semester and January 15 for the spring semester. The College cannot guarantee admissions processing for students who complete the application procedure after these dates.

### HOW TO APPLY

Application forms are available at the Admissions and Records Office. A postal card is provided in the front of this Catalog for your convenience in requesting an application form and admission instructions.

### APPLICATION FEE

A fee of five dollars (\$5.00) is charged for processing of applications for admission to the College. This fee is non-transferable, non-refundable and applies to (1) all persons not regularly enrolled at the College during either of the two regular semesters immediately preceding, and (2) former students who subsequently registered in another college for residence, summer, extension, or correspondence courses. Students seeking summer session or extension registration only and those seeking only to audit courses without credit are exempt from this requirement.

### TRANSCRIPTS REQUIRED

An applicant must request complete official transcripts from (1) the last high school he attended and (2) each college and university at which he registered, to be sent *directly* to the Admissions and Records Office. Transcripts presented by students cannot be accepted.

No determination of admission eligibility will be made until all required transcripts have been received. Official transcripts must include a complete record of all previous high school and college work attempted whether or not the applicant desires credit. A separate official transcript is required from each college attended even though one transcript may show work completed at another college. All records submitted become the property of the College and cannot be returned to the applicant or duplicated.

**Applicants with Courses in Progress.** An applicant who is in attendance at a school or college at the time of application must file a transcript which includes the subjects in which he is currently enrolled. After the applicant has completed these subjects, he must notify his school or college to forward a supplementary record showing the final grades for that term.

## Admission to the College

**Veterans.** A veteran who desires to have his military records evaluated for possible credit toward a baccalaureate degree must file a copy of his separation papers or form DD 295 with his application.

**Graduate Students.** An applicant who holds a baccalaureate degree from an accredited institution and who is not seeking another degree or a credential needs only to verify his baccalaureate degree by filing an official transcript from the institution at which his degree was earned.

**Former Students.** Former students of Stanislaus State College who are returning after graduation or an absence of one or more semesters are required to submit official and complete transcripts covering attendance at any other college since the date of last enrollment at Stanislaus State College. A former graduate student who is not planning to complete the College's degree or credential requirements need not submit additional transcripts.

**Summer Session and Extension Registrants.** A student seeking to enroll for summer session or extension is not required to file official transcripts unless he plans to complete the College's requirements for a degree or credential.

### ADMISSIONS EXAMINATION

Students entering Stanislaus State College with fewer than sixty acceptable semester units are required to take the College Entrance Examination Board Scholastic Aptitude Test (CEEB-SAT). All other undergraduate applicants are encouraged to take this test if they do not file the results of a recent college entrance aptitude examination with the Admissions and Records Office. Test results will be used as a basis for counseling and, when required, for determining eligibility for admission.

The Scholastic Aptitude Test (SAT) may be taken at Stanislaus State College and other testing centers throughout the world on the dates listed below. Applicants for admission should take the CEEB-SAT not later than July for fall admission, or December for spring admission. The test fee is \$5.00, payable at the time of application to take the test.

TEST DATE	APPLICATION DEADLINE
Saturday, March 7, 1964	February 8, 1964
Saturday, May 2, 1964	April 4, 1964
Wednesday, July 8, 1964	June 10, 1964
Saturday, November 7, 1964	October 10, 1964
Saturday, December 5, 1964	November 7, 1964
Saturday, January 9, 1965	December 12, 1964
Saturday, March 6, 1965	February 6, 1965
Saturday, May 1, 1965	April 3, 1965
Wednesday, July 14, 1965	June 16, 1965

## **Admission to the College**

Applications and fees should be sent directly to the College Entrance Examination Board, Box 1025, Berkeley, California 94701, in time to be received not later than four weeks and preferably six weeks prior to the test date selected. Application forms to take the test and information regarding this requirement are available at the College Admissions and Records Office or by letter from the College Entrance Examination Board.

### **HEALTH STATEMENT**

A Health Statement must be submitted by *all* students who apply for admission for a fall or spring semester. A form for this purpose is included in the Application for Admission or Readmission forms, available from the Admissions and Records Office.

### **STATEMENT OF RESIDENCE**

A Statement of Residence must be submitted by a student (1) who enrolls for the first time in a regular semester at the College, (2) who changes his residence status after enrolling at the College, and (3) whose enrollment at the College has been interrupted for two or more consecutive semesters.

### **EVALUATION AND ACCEPTANCE OF TRANSFER CREDIT**

The Admissions and Records Office will evaluate previous college work in terms of its relationship to the requirements of Stanislaus State College. Each student seeking a degree will be issued an Evaluation of Credit which will serve as a basis for determining the remaining requirements for the student's specific objective. The evaluation remains valid as long as the student matriculates at the date specified, pursues the objective declared, and remains in continuous enrollment. The student will not be obligated to meet additional graduation requirements unless such requirements become mandatory as a result of changes in the *California Administrative Code*.

Because of these regulations, the student should notify the Admissions and Records Office immediately if he changes the degree objective specified in his evaluation. (See Change of Major, page 32.)

While a student may elect to graduate under the degree requirements in effect at the time of his admission, he will be held responsible for complying with all changes in other regulations, policies, and procedures which may appear in subsequent catalogs.

### **TRANSFER OF CREDIT FROM A JUNIOR COLLEGE**

Junior college credit is allowed up to a maximum of 70 units. No upper division credit may be allowed from a junior college, nor may credit be allowed for professional courses in education or courses not in a baccalaureate degree transfer program.

## **Admission to the College**

### **CREDIT FROM NON-ACCREDITED COLLEGES**

Credits earned in non-accredited colleges are accepted provisionally toward fulfillment of graduation requirements and advanced standing. Regular credit may be granted on completion of 24 units at Stanislaus State College with a 2.0 (C) grade point average or better.

### **CREDIT FOR EXTENSION AND CORRESPONDENCE COURSES**

The maximum credit for correspondence and extension courses which may be allowed toward the bachelor's degree is 24 units, of which not more than 12 may be transferred from other colleges.

### **CREDIT FOR MILITARY SERVICE**

Undergraduate students who have been in military service may receive unit credit toward a baccalaureate degree. Courses taken at service schools may yield credit if an evaluation determines that they are of college level. Military experience will be evaluated only upon request. Separation papers or form DD 295 verifying such experience must be filed with the Admissions and Records Office before credit will be allowed.

## **ACADEMIC ADVISING**

Upon admission each student is assigned to an adviser in his major field of study. A list of advisers is contained in the *Class Schedule*. Those who are undecided concerning the choice of a major should seek the assistance of the College Counselor. Reassignment of advisers is made on the advice of the division chairman or department head of the student's major field or on approval of a student's request for a change in major. (See Change of Major, page 32.)

The adviser helps the student plan his entire educational program; however, it is the student's responsibility to seek the counsel of the adviser to whom he is assigned. The student is also responsible for meeting the requirements for his degree or credential.

Specific days for registration advising are designated each semester in the Academic Calendar to provide time for students to meet with their major advisers to plan programs for the next semester. It is the student's responsibility to obtain approval of his program prior to the registration period.

## **REGISTRATION**

Registration is the final step in the matriculation process. When a student has been admitted to the College and has decided in a conference with his adviser which subjects to take, he is ready for registration.

A *Class Schedule* listing courses offered and the procedure for registration is available before each semester. At registration, every student is required to file an Official Program card with the Admissions and Records Office. A student may not receive credit in any course for



which he is not registered. Registration by mail or proxy is not permitted. Late registrants will find themselves handicapped in arranging their programs and must pay a \$5.00 late registration fee, as required by State law.

If a student unofficially drops a course or leaves the College without first reporting to the Admissions and Records Office to make the change official, he will receive grades of F.

## ACADEMIC STANDARDS

### DEANS' LIST OF HONOR STUDENTS

Each semester the Dean of Academic Affairs and the Dean of Student Affairs jointly publish a list of undergraduate honor students. To qualify for the Deans' list a student, during the semester under consideration, must (1) register for and earn a minimum of 12 units of credit at the College, and (2) achieve a 3.5 (B+) grade point average for all course work attempted at the College.

### GRADING SYSTEM

A—Excellent .....	4 grade points per unit
B—Very Good .....	3 grade points per unit
C—Satisfactory .....	2 grade points per unit
D—Unsatisfactory .....	1 grade point per unit
F—Failing .....	0 grade points
P—Passing .....	No effect on grade point average
IS—Incomplete, Satisfactory .....	No effect on grade point average; reverts to F if not removed by the last day of the second following semester, except when an extension of time has been granted
IU—Incomplete, Unsatisfactory .....	0 grade points; reverts to F if not removed by the last day of the second following semester, except when an extension of time has been granted
H—Audit .....	No effect on units earned or grade point average
NR—No Report .....	No grade reported by instructor
W—Withdrawal, Ungraded .....	No effect on units earned or grade point average
WS—Withdrew, Satisfactory .....	No effect on units earned or grade point average
WU—Withdrew, Unsatisfactory .....	0 grade points

## Academic Standards

“Pass” (P) or “Fail” (F) grade may be awarded in a course for which it is undesirable to use a standard letter grade, such as in a workshop, activity, public performance, practicum, or similar course. A grade of P indicates the achievement of a sufficient portion of the course objectives to justify the awarding of unit credit. The grade of P or F will be used for all sections of the course and given to all students in each section. Courses in which P and F grades are awarded will be designated in the *Class Schedule*.

### SCHOLARSHIP STANDARDS

**Good Standing:** “Good standing” indicates that a student is eligible to continue in attendance and is free from financial or other obligation to the College and from disciplinary action. A student under academic or disciplinary disqualification is not eligible to receive a “good standing” notation on his transcripts until he is reinstated.

**Probation:** A student whose grade point average is below 2.0 (C), based upon all units attempted at Stanislaus State College and/or upon units completed at other colleges, is placed on probation.

**Disqualification:** A student will be subject to disqualification after individual review of his record if he:

1. Accrues an overall or Stanislaus State College grade point deficiency of ten (10) grade points or more.
2. Fails to make a 2.0 (C) average in the semester following a probationary period.
3. Does not earn at least a 1.0 (D) grade point average during any one semester.
4. Neglects to remove any grade point deficiency within two semesters of admission on probation or of the semester in which the grade point deficiency was incurred.

**Reinstatement After Disqualification:** After completion of the period of disqualification and after fulfillment of any other requirements stipulated by the Academic Standards Committee, a student may apply for reinstatement through the Admissions and Records Office.

## POLICIES AND PROCEDURES

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*Note: Students are held individually responsible for knowing and complying with these regulations.*

### ATTENDANCE OF CLASSES

Regularity in attending classes is assumed. Students are allowed no specified number of absences, but legitimate absences for which instructors will make allowances are: illness, accident, death in family, reli-

## **Policies and Procedures**

rious holidays, and college activities which the student is obligated to attend. In such cases the instructor may give the student opportunity to make up the work missed. The Veterans Administration requires notification when students under its program become irregular in attendance.

### **AUDITORS**

Students may register in courses as auditors without credit with permission of the instructor and provided there is room. An auditor must pay the same registration fees as other students and may not change his registration to obtain credit after the last day to add a course. A student registered for credit may not change to audit status after the last day to drop a course without a grade. An auditor is not permitted to take examinations in the course. An audited course will not be posted on a student's permanent academic record unless he has formally registered for the course and, in the opinion of his instructor, has attended a substantial number of class meetings.

### **CONCURRENT ENROLLMENT**

A student who desires to enroll for a course at another institution or an extension course *while pursuing* a degree or credential at Stanislaus State College must secure prior approval from his major adviser and from the Registrar. Forms for this purpose are available at the Admissions and Records Office. Credit may not be granted for units earned during concurrent enrollment unless prior approval is obtained.

### **OFFICIAL PROGRAM LIMITS**

A student electing during fall or spring semester to carry a course load in excess of 18 units, including audit and incomplete courses, must submit a petition approved by his major adviser to the Dean of Student Affairs. Students with outside responsibilities are advised to reduce their study loads proportionately.

### **CREDIT BY EXAMINATION**

Any student in resident study who can offer convincing evidence of having achieved the objectives of a course offered at Stanislaus State College for which credit has not otherwise been allowed may petition through the instructor to the department head and division chairman concerned for a special examination in order to fulfill the course requirement and/or earn unit credit toward a degree. Forms for this purpose are available from the Admissions and Records Office. Students who wish to secure unit credit toward a degree under this plan must register at a regular registration period for the course to be completed by examination. The letter grade earned will be recorded on the stu-

## **Policies and Procedures**

dent's permanent academic record and appropriate grade points will be assigned. Credit received by examination will not count toward the residence requirement of the College.

### **INDIVIDUAL STUDY COURSES**

Individual study courses are available in certain fields to a student who has demonstrated capacity for independent study and superior ability in regular course work in those fields at Stanislaus State College. These courses are numbered 498 and 598 (and 698 in the professional field of Education) following the subject field prefix. Individual Study courses are not offered to cover the content of a course already part of the College's regular program of instruction, even though the course may not be offered every semester.

A student seeking to enroll for an Individual Study course must file a Request for Course by Individual Study form with the Associate Dean, Curriculum during the advising for registration period indicated in the Academic Calendar. The request for individual study must be approved by the student's individual study instructor, major adviser, and the department head and/or division chairman concerned.

### **GRADUATE LEVEL CREDIT**

Courses numbered 500-699 are graduate level courses, open to those with bachelor degrees and adequate preparation, and are designated by the letter G following the course title on a student's official transcript. The G designation and graduate level credit also may be given approved upper division courses for a qualified graduate student who during the advising for registration period indicated in the Academic Calendar obtains the signatures of the instructors concerned on his Official Program card. Undergraduate courses, numbered 300-499, which are approved for graduate level credit will be listed in the Class Schedule.

It is customary to require additional or supplementary individual assignments which cause greater exploration in depth of those students taking an upper division course for graduate level credit.

### **CHANGE OF MAJOR**

A student who selects or changes his major after admission must file an Application for Change of Major with the Admissions and Records Office. This application must be endorsed by his current major adviser and the division chairman or department head of his new major.

### **CHANGE OF OFFICIAL PROGRAM**

No change in a student's program of courses will be recognized unless it is made on official forms, signed by his adviser, and accepted at the

## **Policies and Procedures**

Admissions and Records Office. Unauthorized withdrawal or dropping of a course will result in a final grade of F.

A student may drop a course during the semester, subject to the following regulations:

1. A course may be removed from the official program of courses if an approved Change of Program Request is filed in the Admissions and Records Office on or before the last day to drop a course without penalty for work below C grade, as shown in the Academic Calendar.
2. After the last day to drop a course without penalty for work below C, a student who officially drops a course in which he is doing C work or better, as judged by his instructor, will receive a grade of WS; if his work is D or F, he will receive a grade of WU, which is equivalent to an F.

Students may add courses by filing an approved Change of Program Request in the Admissions and Records Office not later than the last day to add a course, as shown in the Academic Calendar.

### **LEAVE OF ABSENCE**

A student withdrawing from the College may request for a "leave of absence" to protect his right to degree or credential requirements which were in effect at the time he was admitted to the College or admitted to a degree or credential program. This request is filed in the form of a petition with the Admissions and Records Office.

### **WITHDRAWAL FROM COLLEGE**

A student may withdraw from the College by filing a Request for Withdrawal in the Admissions and Records Office. A student who withdraws from the College is deemed to be fully responsible for such action and is not eligible for readmission to the College prior to the beginning of the next semester.

Students who file requests for withdrawal after the last day to drop a course without penalty for work below C, as shown in the Academic Calendar, will receive WS or WU, as explained in section 2, page 33. A student who takes unauthorized leave will receive a final grade of F in each course for which he was registered.

### **INCOMPLETE WORK**

Incomplete grades of IS and IU are given for illness or other reasons beyond the control of the student. An IS is awarded if the student is doing C work or better at the time the incomplete grade is awarded as judged by the instructor; a student doing D or F work at the time the incomplete grade is awarded shall receive the grade of IU. Incomplete

## Policies and Procedures

grades revert to F if not removed by the last day of the second following semester, except when an extension of time is granted. If missing the final examination is the cause of the incomplete grade it should be made up during the next regular semester on a date determined by the instructor concerned. An IS grade shall have no effect on a student's grade point average. An IU grade is equivalent to an F. Responsibility for removing an incomplete grade rests with the student. In cases of prolonged illness or any emergency which necessitates an extension of time to remove the grade, the student may petition the Academic Standards Committee through his instructor. Students will not be permitted to graduate until all incomplete grades are removed.

### STUDENT CLASSIFICATIONS

#### Class level:

Junior.....	54 to 89 acceptable semester units
Senior.....	90 or more acceptable semester units
Graduate.....	Possesses acceptable baccalaureate or advanced degree

#### Admission status:

General.....	Met all admission requirements
Probational.....	Admitted with scholastic deficiency
Conditional.....	Permitted to register pending official verification of admission status
Extension.....	Permitted to register for extension course work only
Summer.....	Permitted to register for summer session course work only

#### Registration status:

Continuing.....	Student enrolled in last regular session
Former.....	Returning student who registered in a previous but not the last regular session
New.....	Student who is registering in a regular session for the first time

### GRADE REPORTS TO STUDENTS

A report of final grades in all courses will be mailed to each student at the conclusion of the semester.

### TRANSCRIPTS

Official transcripts of courses attempted at Stanislaus State College are issued only with the written permission of the student concerned. Partial transcripts are not issued. A student is entitled to one free transcript; a fee of \$1.00 for each subsequent transcript issued must be received before the record can be forwarded. Transcripts from other institutions which have been presented for admission or evaluation become a part of the student's permanent academic file and are not returned or copied for distribution. Students desiring transcripts covering work attempted elsewhere should request them from the institutions concerned.

**Policies and Procedures  
Fees and Refunds**

**PETITIONS**

Students may petition for waiver of certain academic requirements or for review of decisions affecting their academic status. Petition forms and information concerning regulations may be secured from the Admissions and Records Office. All such petitions must be reviewed and signed by the student's major adviser before being filed with the Admissions and Records Office.

**FEEES AND REFUNDS**

Fees are established in accordance with State laws and the regulations of the Trustees of the California State Colleges and are subject to change as prescribed by law.

Auditors must pay the same fees as students enrolled for credit.

**REGISTRATION FEES**

Payable at time of registration. No individual can be admitted to class prior to payment of all required fees.

**Regular Students (over 6 units):**

Materials and Services Fee.....	\$38.00
Associated Students' Fee.....	5.00

Total per semester.....\$43.00

**Limited Students (1 to 6 units, inclusive):**

Materials and Services Fee.....	\$19.50
Associated Students' Fee.....	1.50

Total per semester.....\$21.00

**OTHER FEES AND CHARGES (IN ADDITION TO REGISTRATION FEES)**

Nonresident tuition—per unit (Maximum \$250.00 per semester).....	\$17.00
Application Fee (non-transferable and non-refundable).....	5.00
Late Registration Fee.....	5.00
Graduation Fee.....	10.00
Check returned from bank for any cause.....	2.00
Change of Program.....	1.00
Transcript of Record (No charge for first copy).....	1.00
Failure to meet administratively required appointment or time limit.....	2.00
Music Studio Lessons—per lesson.....	1.00 to 6.00
Replacement of equipment or materials lost or damaged.....	Cost of item
Library books or materials lost or damaged.....	Cost plus 1.00
Summer Session—per unit.....	14.25
Extension Courses—per unit.....	10.00

**NONRESIDENT STUDENTS**

The nonresident tuition fee is payable by all students who have not been legal residents of the State of California for at least one year immediately preceding the opening day of the school term.

## **Fees and Refunds**

### **Student Personnel Services**

The rate of tuition to be paid by each nonresident student shall be \$500.00 per year, except that the rate of tuition to be paid by each nonresident student who is a citizen *and* resident of a foreign country shall be \$255.00 per year (\$127.50 per semester; \$8.50 per unit).

The non-resident tuition fee will not be required of a student who is the child or spouse of an academic or administrative employee of the California State Colleges.

Certain certificated full-time employees of a California School District are deemed to be resident students.

Initial determination of residence status is made by College officials at the time of registration, and fees must be paid at that time. Full refund of nonresident fees paid will be made if final determination by the College's legal adviser indicates that a student is a legal resident.

### **REFUND REGULATIONS**

Written application for refund of fees must be made on the forms available from the Admissions and Records Office. The application must be received in the Admissions and Records Office not later than the 14th calendar day following the first day of instruction.

The amount of the Materials and Services Fee paid, less \$2.00 to partially cover the cost of registration, will be refunded if the application is received as stated above. No refunds can be made if application is received after the deadline.

In general, no refunds of other fees and charges, except nonresident tuition, can be made. More detailed information is available in the College Business Office.

## **STUDENT PERSONNEL SERVICES**

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Personnel services are offered to aid students in evaluating their own capabilities and objectives and in selecting those activities which will give them maximum benefit from college life. These and other services are co-ordinated by the Dean of Student Affairs and include admissions, registration, academic records, counseling, group and individual testing, placement, part-time jobs and summer work, student health and welfare, loans and scholarships, and student activities.

### **COUNSELING**

Counseling services are available to students who wish assistance with educational, vocational, or personal problems. Academic advising is primarily the responsibility of faculty advisers. The College Counselor is available to provide counseling for students with problems of adjustment to college life, occupational planning, and personal matters of a social, emotional, and financial nature.



### ADMISSIONS COUNSELING

The Associate Dean of Admissions and Records assists students in interpreting admissions requirements and in filing applications for admission. Problems concerning evaluation of transcripts should be directed to the Admissions and Records Office.

### OCCUPATIONAL COUNSELING

The College Counselor assists students in appraising their interests and aptitudes as a basis for selecting appropriate occupations. A library of occupational information is maintained, and each academic department gives occupational counseling pertinent to its field.

### ACADEMIC ADVISING

Each student is assigned to a major adviser who is responsible for helping him plan his academic program. The student uncertain of his choice of an academic major is assigned to the College Counselor until a definite academic goal is chosen. A list of advisers is contained in the *Class Schedule*. (See Academic Advising, page 28.)

### PERSONAL COUNSELING

The College Counselor assists students who are failing to meet scholarship standards. Counseling and testing are designed to help students discover weaknesses and to plan remedial measures. The College Counselor also provides services for foreign students and for those with adjustment problems of a personal nature.

### SCHOLARSHIPS AND LOANS

Scholarship and loan funds have been established through the generosity of organizations, groups, and individuals who by this means have demonstrated their interest in the welfare of students of the College. Eligibility is normally limited to those who carry full-time programs. In granting loans, consideration is given to financial need, scholastic standing, and character. Information and applications for scholarship and loan funds may be obtained from the Office of the College Counselor. Applications should be filed by May 20 for the summer session and fall semester and by January 10 for the spring semester.

Scholarship and loan funds established for Stanislaus State College students include the following:

1. Eleventh District, California Congress of Parent-Teacher Association Scholarship, established for upper division students who are residents of Fresno, Madera, Mariposa, or Merced County.
2. Turlock Rotary Club Scholarship.
3. The Livingston Lions Club Loan Fund, established to assist graduates of Livingston High School.

## **Student Personnel Services**

4. Major Hugh Moss Chapter, D.A.R., Scholarship and Loan Fund.
5. The Merced Venture Club Loan Fund.
6. The Soroptimist Club of Turlock Loan Fund.
7. The White Scholarship and Loan Fund, established by Mr. & Mrs. Floyd E. White and Mr. & Mrs. Richard E. White.
8. The J. Burton Vasche Fund, established in honor of the first president of Stanislaus State College.
9. Stanislaus State College Newman Club Scholarship.

Information on nationwide scholarships, fellowships, and loan funds is available from the College Counselor. Students needing financial assistance to pursue graduate work should see the College Counselor early in their senior year.

### **NATIONAL DEFENSE STUDENT LOAN PROGRAM**

Stanislaus State College students who qualify may borrow up to \$1,000 a year to a maximum of \$5,000 under the National Defense Education Act of 1958. Prospective students should apply prior to registration. (See final application dates in the Academic Calendar.) Funds will be released to approved applicants upon completion of registration.

These loan funds are intended particularly for students with superior academic backgrounds who are interested in teaching. Preferential consideration is given by law to applicants with demonstrated capacities in science, mathematics, engineering, and modern languages. However, students in other fields may also apply.

The repayment period on these loans begins one year after the borrower ceases to be a full-time student. Interest is charged from the first day of the repayment period at the rate of 3 percent a year. Borrowers who become teachers in the public elementary or secondary schools may have 10 percent of their loans cancelled for each year of full-time teaching, up to a maximum of five years.

Inquiries should be directed to the Office of the College Counselor.

### **VETERANS ASSISTANCE**

Stanislaus State College maintains liaison with the U.S. Veterans Administration and the California State Department of Veterans Affairs. The Registrar assists veterans in conducting their relations with these agencies.

In order to enroll and obtain benefits under Public Law 550 ("Korean" GI Bill), a veteran must obtain a Certificate for Education and Training (VA Form VB 7-1993) from the Veterans Administration and present it to the Admissions and Records Office at the time of registration. A Korean veteran with undergraduate status must enroll for at least 14 units to be classified a full-time student.

## **Student Personnel Services**

Veterans planning to attend the College under benefits available from the State of California (Cal Vet) must obtain the required authorization each semester from the State Department of Veterans Affairs, P.O. Box 1559, Sacramento, California 95801. A California veteran with undergraduate status must enroll for at least 12 units to be eligible for subsistence. Those enrolled for fewer than 12 units will receive tuition only.

Further information about veterans programs may be obtained from the Veterans Clerk in the Admissions and Records Office, Stanislaus State College. A veteran who plans to enroll under either P.L. 550 or Cal Vet is urged to contact the Veterans Clerk as far in advance of registration as possible.

### **HOUSING**

Housing services are available at the College in the Office of the College Counselor. Listings of rooms, apartments, and houses are available to students and staff. Those interested in locating housing are encouraged to register early so that maximum assistance may be extended. No charge is made for housing services.

### **STUDENT ACTIVITIES**

A program of activities is planned to satisfy a broad range of student interests. A representative student government serves as the official voice of the student body in its relations with the faculty and the administration. Student activities are closely coordinated with the academic program of the College and provide opportunities for the development of responsibility, leadership, and maturity. Membership in student organizations is determined without regard for race, color, religion, or national ancestry. Inquiries pertaining to student activities may be directed to the President of the Associated Students or to the Dean of Student Affairs.

### **PLACEMENT**

The College provides placement services to assist qualified students and alumni in securing appropriate full-time or part-time employment. Placement services include: counseling on vocational selection and on techniques of applying for positions; preparation and forwarding of placement folders; and listing of available positions. Responsibility for actually seeking a position rests with the individual.

### **TEACHER PLACEMENT**

As a general rule a student becomes eligible for teacher placement when he has been accepted into a credential program or is recognized as having had the equivalent of student teaching experience and is recommended for placement services by the Division of Education. Confiden-

## **Student Personnel Services**

tial placement files should be initiated by students during the semester preceding student teaching. Detailed information pertaining to teacher placement is available in the Office of the College Counselor.

### **BUSINESS AND PROFESSIONAL PLACEMENT**

Placement services are available to students who have received degrees from Stanislaus State College or who will have completed a minimum of 24 semester units at the College. It is recommended that students register for business or professional placement upon attaining senior standing. Additional information is available at the Office of the College Counselor.

### **PART-TIME AND SUMMER EMPLOYMENT**

Students enrolled for more than six units in a regular session may register for placement in part-time jobs or summer employment. The College attempts to assist students in locating jobs as closely related as possible to their major interests.

## **GRADUATE RECORD EXAMINATIONS**

Stanislaus State College is a test center for the Graduate Record Examinations (GRE) of the National Program for Graduate School Selection. The GRE are required by a number of colleges throughout the United States for admission to post-baccalaureate degree programs. These examinations include a basic graduate aptitude test and advanced tests in the following subject fields: biology, chemistry, economics, education, engineering, French, geology, government, history, literature, mathematics, philosophy, physical education, physics, psychology, sociology and Spanish.

The following dates have been tentatively selected for administration of the Graduate Record Examinations at Stanislaus State College during 1964 and 1965:

<b>TEST DATE</b>	<b>DATE REGISTRATION CLOSES</b>
April 25, 1964	April 10, 1964
July 11, 1964	June 26, 1964
November 21, 1964	November 6, 1964
April 24, 1965	April 9, 1965
July 10, 1965	June 25, 1965

Students must register with the Educational Testing Service by mail to take the GRE and must observe the registration closing dates listed above. Registration forms, Bulletins of Information for Candidates, and information concerning the Graduate Record Examinations are available

## **Student Personnel Services**

at the College Admissions and Records Office or by letter from the Educational Testing Service, 1947 Center Street, Berkeley, California 94701.

### **ALUMNI**

The Alumni Association maintains a close tie with the College. It is organized for the following purposes:

1. To promote the mutual welfare of all members.
2. To maintain and strengthen bonds between the alumnus and the College to the mutual benefit of both through the stimulation of continual intellectual growth.
3. To encourage creativity and research in all areas.
4. To provide avenues by which the alumnus may contribute to the advancement of knowledge.
5. To assist the College in developing its human and material resources, with the objective of achieving the highest standards of academic excellence.

Inquiries concerning alumni activities may be directed to the Stanislaus State College Alumni Association, in care of the Dean of Student Affairs.

### **STANISLAUS STATE COLLEGE FOUNDATION**

The Stanislaus State College Foundation has been organized to provide essential services which cannot be provided from State appropriations. On behalf of the College, the Foundation receives private gifts and public grants. These include contributions to loan and scholarship funds, the library, laboratories, and special collections, as well as research grants and general donations. The Foundation also maintains the College Bookstore and the College food service.

## GENERAL REQUIREMENTS FOR BACCALAUREATE DEGREES

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During the 1964-65 academic year, Stanislaus State College is authorized to grant the Bachelor of Arts degree and the Bachelor of Education degree. The Bachelor of Education and the Bachelor of Arts with a major in education are being discontinued; students will not be admitted to these curricular programs after June 6, 1964.

**Election of Regulations.** A student remaining in continuous enrollment in regular sessions and continuing in the same program may, for purposes of meeting graduation requirements, elect to meet the graduation requirements in effect either at the time of his entering the program or at the time of his graduation. (See Evaluation and Acceptance of Transfer Credit, page 27.)

**Application for Graduation.** A prospective candidate for a degree should submit an application for graduation to the Admissions and Records Office when two semesters remain to complete requirements for his degree. In any case students should not apply later than the date indicated in the Academic Calendar.

**Faculty Approval.** After approval of the major adviser and department and/or division concerned, a favorable vote of the faculty is required before the College may award a degree.

**Graduation "With Honors".** Candidates for a degree who complete their undergraduate programs with a 3.5 (B+) cumulative college grade point average or higher, and a 3.5 Stanislaus State College grade point average or higher, are graduated "With Honors."

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

To qualify for a Bachelor of Arts degree a student must satisfy specific requirements in the following areas:

#### UNITS

A minimum of 124 semester units, at least 40 of which must be in courses with upper division credit, is required for the Bachelor of Arts degree.

#### RESIDENCE

To be granted a Bachelor of Arts degree, a student must complete a minimum of 24 units in residence at Stanislaus State College. At least 12

## **General Requirements for Baccalaureate Degrees**

of these 24 units must be completed among the last 20 units taken in fulfillment of degree requirements.

Credit in summer sessions may be counted as residence credit on a unit for unit basis. Extension course credit or credit by examination cannot be counted as residence credit.

### **SCHOLARSHIP**

Each student shall complete with a grade point average of 2.0 (C) or better (a) all acceptable college units attempted, (b) all units attempted in his major field of study, and (c) all units attempted at Stanislaus State College.

### **GENERAL EDUCATION**

A total of 60 units, distributed as indicated below, is required for a Bachelor of Arts degree. Courses which during the 1964-65 academic year will be acceptable towards fulfillment of General Education requirements will be indicated in the *Class Schedule* for summer session 1964, fall and spring 1964-65.

- (1) **Social Sciences** ..... 9 units required, to include course work in at least 2 disciplines.
  - (a) *American History, Constitution and Government*: course work (or demonstrated proficiency) in United States History and Constitution, and California State and Local Government.
  - (b) *Additional Social Science Courses*: courses selected from anthropology, economics, geography, history, political science, sociology, and similar fields. A course in history of world civilization and a course in a social science field not previously studied are recommended.
- (2) **Natural Sciences** ..... 9 units required, to include at least one laboratory course.
  - (a) *Biological Sciences (minimum 3 units required)*: courses selected from anatomy, bacteriology, biology, botany, physiology, zoology, and similar fields.
  - (b) *Physical Sciences (minimum 3 units required)*: courses selected from astronomy, chemistry, geology, physics, and similar fields.
- (3) **Literature, Philosophy and Creative Arts** ..... 9 units required.
  - (a) *Literature and/or Philosophy (minimum 6 units required)*: a course in world literature is recommended.
  - (b) *Art and/or Music (minimum 3 units required)*.

## General Requirements for Baccalaureate Degrees

- (4) **Oral and Written Expression** ..... 6 units required.  
 (a) *Oral Expression*: a basic course in speech is recommended.  
 (b) *Written Expression (minimum 3 units)*: a two semester sequence in English composition is recommended.
- (5) **Psychology** ..... 2 units required.  
 A basic course in General psychology is required.
- (6) **Health and Physical Education** ..... 2 units required.  
 A minimum of 1 unit in activity courses is recommended.
- (7) **General Education Electives** ..... 8 units required.  
 These units may be distributed in whole or in part among the preceding six subject areas, and may include courses in mathematics, family life education, and a maximum of 6 units in foreign languages. A course in mathematics is recommended.  
 Only units in courses outside of the student's major field of study will apply toward fulfillment of this requirement.
- (8) **Liberal Arts Electives** ..... 15 units required.  
 These units may be completed at the lower division *or* upper division level and must be selected from the areas of creative arts, humanities, mathematics, science, and social science, excluding courses in the student's major field of study.

**Important:** A maximum of 24 units in each of the fields of creative arts, humanities, science-mathematics, and social sciences may apply to General Education; no more than 12 units in a single discipline within these fields may be applied to General Education.

### MAJOR

The major consists of a pattern of courses prescribed by the department or division concerned, totaling not less than 36 units for a divisional major and not less than 27 units for a departmental major, exclusive of the units counted for fulfillment of the General Education requirement. At least 24 units as specified by departmental/divisional requirements, except in foreign languages, must be in upper division course work.

DEGREE	MAJOR
B.A., Art and Music	Art
	Music
B.A., Business Administration	Business Administration (concentrations in accounting and management)
	Spanish
B.A., Foreign Language	English
B.A., Humanities	Speech-Drama



B.A., Mathematics and Science

Biological Science (concentrations  
in biology and zoology)

Mathematics

Physical Science

B.A., Social Sciences

History

Social Sciences—Divisional \*

Social Sciences—Interdepartmental

\* Admission to Social Science (Divisional Major) requires the approval of the Division Chairman in Social Science.

**Note:** The Bachelor of Arts degree program with a major in Elementary Education is being discontinued; students will not be admitted to this curriculum after June 6, 1964.

**MINOR**

Completion of a minor is a requirement for a Bachelor of Arts degree when required by the department or division of the major. A minor is a pattern of prescribed course work consisting of a minimum of 9 upper division units (except in chemistry and physics) and a minimum of 15 units (except in physics) in courses acceptable to the major adviser and the departments and/or divisions concerned. Departmental and divisional minors normally require one-half of the number of units required for a major within a department or division. A maximum of 12 units in course work in a single discipline taken in fulfillment of the minor requirement may also apply toward General Education.

A minor for the Bachelor of Arts degree, if required, may be selected from the listing below:

Art

Biology

Business Administration

Chemistry

Economics

English

French

History

Mathematics

Music

Philosophy

Physics

Political Science

Sociology

Sociology-Anthropology

Spanish

Speech

Speech-Drama

Satisfactory completion of the Elementary Education credential program may be offered in lieu of the minor requirement for a Bachelor of Arts degree.

**DEPARTMENTAL AND DIVISIONAL REQUIREMENTS**

All requirements of the department or division of the major must be completed to qualify for a Bachelor of Arts degree.

**ALL COLLEGE REGULATIONS**

Compliance with all regulations prescribed by the College is a requirement for graduation with a Bachelor of Arts degree.

**REQUIREMENTS FOR AN ADDITIONAL BACCALAUREATE  
DEGREE**

To qualify for an additional baccalaureate degree at Stanislaus State College a student must:

- (1) Complete a minimum of 24 semester units in residence at the College after requirements for his last degree have been fulfilled; at least 12 of these units must be in the subject field of the student's current major.
- (2) Comply with all graduation requirements of the College including the General Education requirement and approval by the major adviser, department and/or division of the major, and the faculty.
- (3) Maintain at least a 2.0 (C) grade point average for all Stanislaus State College course work taken while pursuing the additional degree.

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**ANNOUNCEMENT OF COURSES**

**COURSE NUMBERING SYSTEM  
DIVISIONAL AND DEPARTMENTAL REQUIREMENTS  
COURSE DESCRIPTIONS**

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## COURSE NUMBERING SYSTEM

### PRESENT NUMBERING SYSTEM

- 100-299 Lower division courses designed primarily for freshmen and sophomores.  
300-499 Upper division courses designed primarily for juniors and seniors, and for graduate students.  
500-699 Graduate level courses, open to those with bachelor degrees and adequate preparation.

### FORMER NUMBERING SYSTEM

Prior to Fall Semester, 1963, the course numbering system was as follows:

- 3000-4999 Upper division courses designed primarily for juniors and seniors, and for graduate students.  
5000-5999 Graduate level courses, open to those with bachelor degrees and adequate preparation.

### DESIGNATION OF GRADUATE LEVEL CREDIT

Beginning with the Spring Semester, 1963, appearance of the letter "G" following a course title on an official transcript of a student indicates graduate level credit. The "G" designation and graduate level credit may be given approved upper division courses for a qualified graduate student who obtains the permission of the instructor concerned.

### SPECIAL COURSE NUMBERS

For uniformity, certain types of courses have been listed under a single number by all departments and divisions as follows:

- 492 and 592 ..... Workshops  
494, 594 and 694 ..... Field work  
498, 598 and 698 ..... Individual study  
499 and 599 ..... Thesis

### EXPLANATION OF COURSE NOTATIONS

The notations used in course descriptions listed under the various divisions or departments are as follows:

1. The figure in parentheses following the course title indicates the number of units for the course. Courses offered for varying units are indicated as (2-4), (1-6), etc.
2. The letter "F" following the number of units indicates the course is offered during fall semester; "S" indicates the course is offered during spring semester.
3. A notation, such as (Formerly 4502), at the end of a course description indicates the course was previously numbered 4502.

## ART

*In the Division of Creative Arts*

Associate Professor: Richard B. Reinholtz, Head

Assistant Professor: Ralf Parton

The program in art provides opportunities for the development of individual creative potential through study and experience in two- and three-dimensional media. It provides appropriate experiences for the student seeking a California elementary or secondary teaching credential, and prepares the student for studies beyond the bachelor degree.

The Bachelor of Arts, Art and Music with a major in art provides a basis for advanced study and for a career in such fields as teaching, interior design, printing, commercial design, museum curatorship, etc.

### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

Art majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 27 semester units, exclusive of General Education, of which 26 semester units must be upper division.
3. Develop, in consultation with the major adviser, a program of study to be completed in specified fields of specialization.
4. Complete course requirements as specified for the major in the table on page 49.
5. Complete a minor selected in consultation with the major adviser.
6. Present in the senior year an exhibit of art work which demonstrates significant growth and development in all aspects of the art curriculum.

### REQUIREMENTS FOR LIBERAL ARTS MAJOR AND MINOR IN ART

	Major	Minor
<b>Lower Division</b>		
ART 201-202. Essentials of Visual Expression I-II (2-2), or equivalent. (For the student who is an art major, 3 units are applicable to satisfying General Education requirements.)	1	4
<b>Upper Division</b>		
ART 320. Arts in Contemporary Society (3)	3	3
ART 325-326. Art History I-II (3-3)	6	3
Courses selected on advisement from the Art Studio Block	10	4
Courses selected on advisement from the Art Appreciation Block	3	3
Electives on advisement	4	-
<b>Total Units</b>	<b>27</b>	<b>17</b>

## **Art**

### **REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN ART**

1. Complete requirements for liberal arts major in art.
2. Complete: ART 384. Art Experiences in Elementary School (2).
3. Secondary candidates must complete ART 480, and six units of additional approved electives in art as postgraduate work or six upper division units of approved electives in another fine arts discipline.
4. Elementary and secondary candidates may qualify for major in Fine Arts: Art by completing six upper division units on advisement in another fine arts discipline.
5. See Division of Education, pages 62-74.

### **REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN ART**

1. Complete requirements for liberal arts minor in art, plus electives on advisement in art to total 20 units.
2. See Division of Education, pages 62-74.

### **COURSE DESCRIPTIONS**

#### **ART 201. Essentials of Visual Expression I (2) F**

Fundamental concepts and experiences of visual aesthetic expression with emphasis on the design qualities inherent in two-dimensional experiences.

#### **ART 202. Essentials of Visual Expression II (2) S**

Fundamental concepts and experiences of visual aesthetic expression with emphasis on the design qualities inherent in three-dimensional experiences.

#### **ART 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized individual study. May be repeated for a total of 6 units. (Formerly 4560.) Prerequisite: Consent of instructor.

#### **ART 598. Individual Study (2-3) F, S**

For qualified graduate student in need of advanced and specialized individual study. May be repeated for a total of 6 units. (Formerly 5560.) Prerequisite: Consent of instructor.

### **ART EDUCATION BLOCK**

#### **ART 384. Art Experiences in Elementary School (2) F, S**

A variety of two- and three-dimensional, visual non-verbal experiences as an integral need in the daily lives of children. Emphasis on creativity as a means toward a more valuable school curriculum. (Formerly 3553.) Prerequisites: EDUC 311, 312, and 401, which may be taken concurrently.

**ART 480. Art Education (3) F**

Contemporary trends in art education. Development, selection, and organization of teaching materials and procedures on elementary and secondary levels; observation and participation. Prerequisites: EDUC 311, 312, and 401, which may be taken concurrently.

**STUDIO BLOCK****ART 360. Studio in Painting (2) F, S**

Problems in expressing and communicating esthetically significant statements in the various painting media. (Formerly 3556) Prerequisite: ART 201.

**ART 362. Studio in Printmaking (2) S**

Problems in expressing and communicating esthetically significant statements through relief, intaglio, stencil, planographic, and batik print processes. (Formerly 3557) Prerequisites: ART 201 and ART 202.

**ART 365. Studio in Pottery, Ceramics, and Sculpture (2) F**

Problems in developing and communicating esthetically significant statements in clay, plaster, wood, and metals. (Formerly 3558 and 3559) Prerequisites: ART 201 and ART 202.

**ART 450. Painting for Expression (2) F, S**

Exploration in the various painting media for those enjoying aesthetic creative experiences. Primarily designed for the general student. Not open to art majors. (Formerly 4565)

**ART 460. Advanced Studio in Painting (2) F, S**

Advanced problems in expressing and communicating esthetically significant statements in the various painting media. (Formerly 4556) Prerequisite: ART 360.

**ART 465. Advanced Studio in Pottery, Ceramics, and Sculpture (2) F**

Advanced individualized problems in clay as a creative material: modeling, sculpture, the wheel, decorating, glazing, and firing. (Formerly 4558 and 4559) Prerequisite: ART 365.

**APPRECIATION BLOCK****ART 320. Arts in Contemporary Society (3) F, S**

Character and function of contemporary art in today's society as it relates to individual creativity; critical appreciation of recent trends in visual art. (Formerly 4561)

**ART 325. Art History I (3) F**

A comparative analysis and interpretation of the art forms from prehistoric times through the Roman and Gothic eras. (Formerly 3551)

**ART 326. Art History II (3) S**

A comparative analysis and interpretation of the art forms from the Renaissance and subsequent eras to today's contemporary art. (Formerly 3552)

**ART 427. Art of the Americas (3) F**

Significant trends, schools, and styles of art of the Americas from Pre-Colombian through contemporary art forms.

**ART 431. Contemporary Art History (3) S**

An analysis and interpretation of the contemporary visual arts and their historical development since impressionism.

**ART 486. Art Experiences for Exceptional Child (1-4) S**

Various types of materials, activities, and programs suitable for the exceptional child to realize his creative potentials in the field of art.

## BIOLOGICAL SCIENCES

*In the Division of Science and Mathematics*

Assistant Professors: James C. Hanson, Head, and Glenn A. Hackwell

Programs of study in the biological sciences are provided for students seeking the Bachelor of Arts, Science and Mathematics with a major in biological sciences. Courses in the biological sciences can provide breadth and background in the sciences for the general student. The concentrations are foundational to graduate work, careers in the biological sciences, and teaching.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Biological Sciences majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 38 semester units, exclusive of General Education, of which a minimum of 24 semester units must be upper division.
3. Complete course requirements as specified in the table on page 52 for the supporting field.
4. Complete course requirements as specified for the major in the table on page 52.
5. Completion of a minor is not required.

### REQUIREMENTS FOR LIBERAL ARTS MAJOR AND MINOR IN BIOLOGICAL SCIENCES

Lower Division	Major with Concentration in Biology	Major with Concentration in Zoology	Biology Minor
A one year lecture-laboratory sequence in biology, botany, or zoology, 8 units.....	2	2	8
A one year lecture-laboratory sequence in general chemistry as a supporting field, 8 units (For the student who is a biological science major, 6 units of biological sciences and 8 units of chemistry are applicable to satisfying General Education requirements.) .....	--	--	--
A one year sequence in general physics, geology, or mathematics is recommended for the major as a supporting field (applicable to General Education, within the specified limits). .....	--	--	--



## Biological Sciences

### Upper Division

BIOL 322. General and Cellular Physiology (4)	4	-	4
BIOL 332. Genetics (3)	3	3	3
BIOL 463. Ecology (3)	3	-	3
BIOL 496. Seminar in Biology (2)	2	2	-
ENTO 300. Principles of Entomology (3)	-	3	-
Choice of one of the following on advisement for concentration in biology; both courses required for concentration in zoology.			
ZOOL 212. Comparative Anatomy of Vertebrates (4)	-	4	-
ZOOL 313. Vertebrate Embryology (4)	4	4	-
ZOOL 423. Comparative Animal Physiology (4)	-	4	-
ZOOL 443. Invertebrate Zoology (5)	5	5	-
Choice of one of the following on advisement:			
BOTY 301. Flowering Plants (3)	-	-	-
BOTY 321. Plant Physiology (3)	3	-	-
Electives on advisement *	12	11	-
<b>Total Units</b>	<b>38</b>	<b>38</b>	<b>18</b>

\* This requirement may be satisfied by lower and upper division electives as approved by the major adviser.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN BIOLOGICAL SCIENCES

1. Complete requirements for liberal arts major in biological sciences.
2. A student seeking a General Secondary Credential with an academic major in a biological science concentration is advised to complete a minor in physical science. (See page 62-74.)
3. See Division of Education, pages 62-74.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIAL MINOR IN BIOLOGY

1. Complete requirements for liberal arts minor in biology, plus electives on advisement in biology to total 20 units.
2. See Division of Education, pages 62-74.

### PREPARATION FOR GRADUATE STUDY

It is recommended that the student who intends to seek advanced degrees in graduate study select a minor in physical science and complete at least a college level one-year sequence or equivalent in French or German. (See Equivalents in a Foreign Language, page 78.)

### COURSE DESCRIPTIONS

#### BIOLOGY

#### **BIOL 300. Concepts of Biological Sciences (3) F**

Course designed for the non-biological science major. Basic principles and interrelationships of living organisms. (Lecture, 3 hours) (Formerly 3630) No prerequisite.

## **Biological Sciences**

### **BIOL 322. General and Cellular Physiology (4) F**

Physico-chemical properties of protoplasm, permeability, metabolism and nuclear-cytoplasmic interaction. (Lecture, 2 hours; laboratory, 6 hours) Prerequisite: College level biology or equivalent; organic chemistry is recommended.

### **BIOL 332. Genetics (3) F**

Mechanisms of inheritance and relationships of heredity to fundamental biological problems, as well as application to practical problems including those of human society. (Lecture, 3 hours) Prerequisite: College level biology or equivalent.

### **BIOL 333. Evolution (3) S**

Basic concepts of evolutionary theory, including evidences and mechanisms that underlie and support evolution of living things. (Lecture, 2 hours; discussion, 1 hour). Prerequisite: College level biology or equivalent; BIOL 332 is recommended.

### **BIOL 463. Ecology (3) S**

Basic interrelationships of plants and animals within their physical and biological environments. (Lecture, 3 hours; field trips) (Formerly 4641) Prerequisite: One year of upper division biology.

### **BIOL 495. History and Philosophy of Biology (3) F**

Rise and development of biological theories and laws. (Lecture, 3 hours) (Formerly 4630) Prerequisite: College level biology or equivalent.

### **BIOL 496. Seminar in Biology (2) F, S**

Presentations and discussions of selected biological phenomena through study of biological literature. Prerequisite: Consent of department head.

### **BIOL 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 4651) Prerequisite: Consent of instructor.

## **BOTANY**

### **BOTY 301. Flowering Plants (3) S**

Structure, kinds, taxonomic relationships, and classification of local flowering plants with practice in their collection and identification. (Lecture, 1 hour; laboratory, 6 hours; field trips) (Formerly 3641) Prerequisite: College level biology or equivalent.

### **BOTY 321. Plant Physiology (3) F**

Analysis of selected topics pertaining to metabolism, nutrition, and growth of plants. (Lecture, 3 hours) (Formerly 3642) Prerequisite: College level botany or equivalent; organic chemistry is recommended.

## **ENTOMOLOGY**

### **ENTO 300. Principles of Entomology (3) S**

Classification, life history, structure and basic physiology of insects. (Lecture, 2 hours; laboratory, 3 hours; field trips) (Formerly 3632) Prerequisite: College level biology or equivalent.

### **ENTO 495. Selected Topics in Entomology (Topic to be specified in the Class Schedule) (2-4) F, S**

Development of a selected branch of entomology. Topics vary each semester. Prerequisite: College level entomology or consent of instructor.

**ZOOLOGY**

**ZOOL 212. Comparative Anatomy of Vertebrates (4) S**

Comparative study of microanatomy and gross morphology of organ systems in representative vertebrates. (Lecture, 2 hours; laboratory, 6 hours) Prerequisite: College level biology or equivalent.

**ZOOL 313. Vertebrate Embryology (4) F**

Comparative study of microanatomy and development of several representative vertebrate forms. (Lecture, 2 hours; laboratory, 6 hours) (Formerly 3634) Prerequisite: College level biology or equivalent.

**ZOOL 423. Comparative Animal Physiology (4) S**

Comparative study of physiology of organ systems among major animal groups. (Lecture, 2 hours; laboratory, 6 hours) Prerequisite: College level biology or equivalent; organic chemistry and BIOL 322 are recommended.

**ZOOL 443. Invertebrate Zoology (5) F**

Structure, classification, distribution and life histories of invertebrates. (Lecture, 3 hours; laboratory, 6 hours) (Formerly 4632) Prerequisite: One year of college level zoology or equivalent.

**ZOOL 444. General Parasitology (4) S**

Parasitism, with emphasis on parasites of man. (Lecture, 2 hours; laboratory, 6 hours) (Formerly 4631) Prerequisite: ZOOL 443 or consent of instructor.

**ZOOL 451. Histological and Cytological Techniques (3) F**

Principles and practice in methods of preparing tissues for microscopic study. (Lecture, 1 hour; laboratory, 6 hours) (Formerly 4650) Prerequisite: Two years of college level biology.

**ZOOL 453. Cellular Biology (3)**

Theory and studies of cellular phenomena dealing with chromosomes in genetics and evolution, physiology of gene and mechanisms of development. (Lecture, 2 hours; laboratory, 3 hours) (Formerly 5633) Prerequisite: One year of upper division biology; organic chemistry is recommended.

**ZOOL 495. Selected Topics in Zoology (Topic to be specified in the Class Schedule)  
(2-4) F, S**

Development of a selected branch of zoology. Topics vary each semester. Prerequisite: Two years of zoology or consent of instructor.

## DIVISION OF BUSINESS ADMINISTRATION

Assistant Professor: Thomas P. Barrett, Chairman

Professor: Kenneth G. Young

The Division of Business Administration offers curricula designed to provide (1) professional training for those planning to seek careers in the business community; (2) a firm educational foundation for those planning to undertake graduate study; (3) a sound education in business subjects for those planning to enter the teaching profession. To accomplish these objectives, the curricula offered by the Division of Business Administration are specifically designed to give each student:

1. A broad, liberal education.
2. A basic understanding of the operation of a business enterprise.
3. An understanding of the environment in which business exists, and of which it is a part.
4. A degree of specialized training in a selected area of concentration.

### RECOMMENDED LOWER DIVISION PREPARATION

Prospective Business Administration majors should emphasize General Education and Liberal Arts during the first two years, thus laying a foundation upon which the professional program can be built.

Elective courses should be chosen in the following areas: behavioral sciences, economics, English and mathematics.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Students seeking the Bachelor of Arts, Business Administration must:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 36 units of which a minimum of 27 semester units must be upper division.
3. Complete course requirements for the supporting fields.
4. Complete course requirements as specified for the major in the table on page 57.
5. Completion of a minor is not required.

**REQUIREMENTS FOR LIBERAL ARTS MAJOR AND  
MINOR IN BUSINESS ADMINISTRATION**

<b>Lower Division</b>	<b>Major with Concentration in Accounting</b>	<b>Major with Concentration in Management</b>	<b>Minor</b>
Principles of accounting _____	6	6	3
Business law _____	3	3	3
Courses in supporting fields which are required for the major and are applicable to General Education:			
Oral communication, 3 units			
Written communication, 3 units			
Principles of economics, 6 units			
Elementary statistics, 3 units _____	-	-	-
<b>Upper Division</b>			
Courses in supporting fields:			
ECON 331. <u>Managerial Economics</u> (3), re- quired for major and minor.			
MATH 362. <u>Inferential Statistics</u> (3), re- quired for major _____	-	-	-
BUS 302. <u>Human Elements of Business</u> (3) _____	3	3	3
BUS 311. <u>Intermediate Accounting I</u> (3) _____	3	-	-
BUS 312. <u>Intermediate Accounting II</u> (3) _____	3	-	-
BUS 313. <u>Managerial Accounting</u> (3) _____	-	3	3
BUS 315. <u>Cost Accounting</u> (3) _____	3	-	-
BUS 322. <u>Business Finance</u> (3) _____	3	3	3
BUS 331. <u>The Process of Management</u> (3) _____	-	3	-
BUS 334. <u>Organizations</u> (3) _____	-	3	-
BUS 341. <u>Basic Marketing</u> (3) _____	3	3	3
BUS 408. <u>Business Policy</u> (3) _____	3	3	-
BUS 411. <u>Advanced Accounting</u> (3) _____	3	-	-
Choice of one of the following on advisement:			
BUS 316. <u>Cost Analysis and Control</u> (3)			
BUS 317. <u>Advanced Business Law</u> (3)			
BUS 412. <u>Auditing</u> (3)			
BUS 414. <u>Income Tax Accounting</u> (3) _____	3	-	-
Choice of one of the following on advisement:			
BUS 431. <u>Personnel Management</u> (3)			
BUS 433. <u>Production Management</u> (3) _____	-	3	-
BUS 435. <u>Managerial Action</u> (3) _____	-	3	-
BUS 441. <u>Marketing Institutions</u> (3) _____	-	-	3
<b>Total Units</b> _____	<b>36</b>	<b>36</b>	<b>21</b>

**TEACHING CREDENTIALS**

Prospective business education teachers who are seeking the Secondary Teaching Credential are advised to complete a minor in Business Administration (see requirements above) and a major in a selected field in the social sciences. A major in Business Administration is not recommended for secondary school teachers. See Division of Education, pages 62-74.

## **Business Administration**

### **COURSE DESCRIPTIONS**

#### **BUS 302. Human Elements of Business (3) S**

Human resources of business organizations and human relations involved in their administration. (Formerly 3246) Prerequisites: General psychology; ECON 331.

#### **BUS 311. Intermediate Accounting I (3) F**

Accounting theory, development of accounting principles, and their application to income determination and presentation of financial position for the business firm. (Formerly 3210) Prerequisite: Principles of accounting (6 semester units).

#### **BUS 312. Intermediate Accounting II (3) S**

A continuation of Intermediate Accounting I with particular emphasis on accounting for facilities investment, borrowed and equity capital, and managerial analysis of financial data. (Formerly 3211) Prerequisite: BUS 311.

#### **BUS 313. Managerial Accounting (3) F**

Analysis and use of accounting and financial data by management for planning, control and decision making. Primarily designed for student who is not pursuing a concentration in accounting; credit not applicable to concentration in accounting. (Formerly 4211) Prerequisite: Principles of accounting (6 semester units).

#### **BUS 315. Cost Accounting (3) F**

Principles and objectives of cost accounting, with particular emphasis on production and interpretation of cost data. (Formerly 4212) Prerequisite: Principles of accounting (6 semester units).

#### **BUS 316. Cost Analysis and Control (3) S \***

Techniques of cost analysis and control, including budgeting, estimated and standard costs, distribution and administrative costs, differential costs, profit planning, direct costs, and pricing policies. (Formerly 4213) Prerequisite: BUS 315.

#### **BUS 317. Advanced Business Law (3) F \***

Law of business, with particular emphasis on laws relating to personal property, bailments, negotiable instruments, partnerships, corporations, real property and insurance. (Formerly 4250) Prerequisite: Business law (3 semester units).

#### **BUS 322. Business Finance (3) S**

Problems of business financial management. Finance function, sources and uses of funds, cost of capital, capital structure. (Formerly 4230) Prerequisites: ECON 331; BUS 313 or BUS 311.

#### **BUS 331. The Process of Management (3) F**

The nature of management, its role, responsibilities, and functions. Management is treated as a distinct activity applicable to all types of organizations—not just the business organization. (Formerly 3231) Prerequisite: Consent of instructor.

#### **BUS 334. Organizations (3) S**

Formal and informal organizations: their functions, structure and behavior. The organization is treated as the framework of management. Prerequisite: BUS 331.

#### **BUS 341. Basic Marketing (3) F**

Marketing process with emphasis on the management point of view. Consideration is given to role played by marketing in the economy, dynamics of consumer motivation and behavior, and problems confronted by the business firm in estab-

\* Offered alternate years.

## **Business Administration**

lishing an overall marketing program. (Formerly 3240) Prerequisites: Principles of economics (6 semester units); general psychology.

### **BUS 408. Business Policy (3) S**

Problems of the business enterprise from standpoint of chief executive. Consideration of major company objectives, policies, and programs. (Formerly 4233) Prerequisite: Completion or concurrent enrollment in all other courses required for business major.

### **BUS 411. Advanced Accounting (3) F**

Accounting principles applied to accounting for partnership, installment sales, consignments, insolvency, estates, trusts, and business combinations. (Formerly 4210) Prerequisite: BUS 312.

### **BUS 412. Auditing (3) S**

Standards and procedures broadly applied to examination of financial statements, including a consideration of field of public accounting, professional ethics, internal controls, preparation of working papers, and audit reports. (Formerly 4214) Prerequisites: BUS 312; BUS 315.

### **BUS 414. Income Tax Accounting (3) S \***

History and philosophy of federal income tax law and regulations and procedures for determining income tax liability of individuals and business firms. (Formerly 4216) Prerequisite: Principles of accounting (6 semester units).

### **BUS 431. Personnel Management (3) F \***

Policies and practices designed to provide and maintain human resources of the organization. Job and manpower requirements, recruitment, selection and training, performance appraisal, wage and salary administration, personnel audits, etc. (Formerly 4262) Prerequisite: BUS 331.

### **BUS 433. Production Management (3) F \***

Production problems of a managerial nature: production planning and control, product development, simplification and standardization, procurement, materials handling, methods improvement, impact of technological change. (Formerly 4236) Prerequisites: BUS 331; MATH 362; ECON 331.

### **BUS 435. Managerial Action (3) F**

Development of managerial skills in areas of decision making, communications, and leadership. Extensive use of case problems. (Formerly 4235) Prerequisite: BUS 331 or consent of instructor.

### **BUS 441. Marketing Institutions (3) S \***

Wholesale and retail institutions: role and functions each performs in national economy in distribution of goods from producer to consumer. (Formerly 4229) Prerequisite: BUS 341.

### **BUS 443. Sales Management (3) S \***

Planning, direction, and control of sales personnel and sales promotion activities. Sales management is approached as an integral element of overall marketing program of a firm. (Formerly 4242) Prerequisite: BUS 341.

\* Offered alternate years.

## ECONOMICS

*In the Division of Social Sciences*

Associate Professor: Frederick E. Kottke

A Bachelor of Arts, Social Sciences is offered with an interdepartmental major in economics and one other discipline within the social sciences. Courses in economics may be selected from five fields of specialization: (1) economic theory and thought, (2) labor economics, (3) public finance, (4) money and banking, and (5) international economics.

The curriculum in economics is designed to provide: (1) knowledge of the development of economic theories, principles, and policies for rational living in a self-governing democracy; (2) basic knowledge for economic analysis in business, labor, banking, and government; (3) pre-professional education for law school; (4) a fundamental knowledge of economics as preparation for teaching; and (5) specialization in economics for graduate level study.

### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

See Division of Social Sciences, Requirements for Bachelor of Arts, page 104.

### REQUIREMENTS FOR LIBERAL ARTS MINOR IN ECONOMICS

Fifteen units approved by the minor adviser are required, including at least 9 units in upper division courses.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS SOCIAL SCIENCES MAJOR

See Requirements for Elementary and Secondary Teaching Credential Major in Social Sciences, page 105.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIAL MINOR IN ECONOMICS

1. Complete requirements for liberal arts minor in economics, plus electives on advisement in economics to total 20 units.
2. See Division of Education, pages 62-74.

### COURSE DESCRIPTIONS

#### **ECON 300. Concepts of Economics (3) F**

Fundamental economic concepts—micro and macro—and their relationship to current economic issues; full employment, economic growth, economic stability, and economic underdevelopment. Credit not allowed for students who have had a course in economic principles. (Formerly ECON 203)



**ECON 310. Economic History of Western Civilization (3) S\***

Analysis of economic development of United States and Europe; economic theories of growth as applied to Western Culture. May be counted for credit in history major and minor.

**ECON 330. Economic Fluctuations (3) F\***

Measurement of economic fluctuations; theories of economic cycles; economic forecasting. Prerequisite: Course in economic principles or consent of instructor.

**ECON 331. Managerial Economics (3) F**

Microeconomics and its application to the business firm; demand and supply analysis, price procedures, market structures, and case studies. (Formerly 3702) Prerequisite: Basic course in economics or consent of instructor.

**ECON 332. Money and Banking (3) F**

Relation of money and credit to production and exchange; institutional analysis of banking; monetary policies for full employment and economic stability. (Formerly 3706)

**ECON 400. Intermediate Theory (3) S\***

Macro analysis; income levels, expenditures, prices, and employment; application to depression and inflation. Prerequisite: Course in economic principles or consent of instructor.

**ECON 401. Economic Thought (3) S\***

Important ideas of major schools of economics and economists since 1776; classical economics through Keynesian economics. (Formerly 4701)

**ECON 405. Comparative Economic Systems (3) S\***

Capitalism and alternative economic systems; differences and comparative performance. (Formerly 4702)

**ECON 410. Labor Economics (3) S**

The role of collective bargaining in a modern industrial state; labor legislation and jurisprudence; problems of unemployment and wage levels.

**ECON 440. Economic Development (3) S**

Measurement of economic growth; economic development of contemporary underdeveloped countries; case studies; economic theories and policies for accelerated growth.

**ECON 441. International Trade (3) F**

Concepts of international exchange; exchange rates, balance of payments, free versus regulated trade, and international investment.

**\*ECON 442. Soviet Economics (3) S**

Institutions and operating principles of the Soviet planned economy; economic performance to present; prospects for future.

**ECON 454. Public Finance and Fiscal Policy (3) S**

Principles, problems, and policies of public expenditure, credit, debt, budgeting, and intergovernmental fiscal relations. (Formerly 4703)

**ECON 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

\* Offered alternate years.

## DIVISION OF EDUCATION

Associate Professor: Charles R. Farrar, Chairman

Professor: Lloyd E. Bevans

Associate Professors: Lloyd H. Ahlem, William F. McClintock

Assistant Professors: Eldon A. Koplín, Haig A.

Rushdoony, Lorna Swain

Lecturers: David E. Austin, Fred C. Beyer, Roger W. Chapman,

Robert T. Elliott, Frederick Petrides, Leonard E. Swenson,

Harry D. Wiser

The College, in addition to curricula in the liberal arts, offers through the Division of Education professional programs in education to prepare teachers for elementary and secondary schools. The Division of Education also offers courses which are applicable to credentials program in pupil personnel, supervision and administration.

### PROFESSIONAL PROGRAMS IN EDUCATION

Professional programs in education are designed to develop within students those competencies which are essential to effective teaching within the range of services authorized by the respective teaching credentials. Credential programs include study of the purposes of American education, the nature of modern society, human growth and development, the learning process, and instructional materials and techniques applicable at successive educational levels. Prior to undertaking course work in professional education leading to a credential, it is assumed that the student will have acquired a broad base of liberal arts academic preparation, including a major and a minor in selected fields of academic study. Required courses in the professional education programs leading to an elementary and a secondary teaching credential are listed in the table on pages 68-69. The courses in this table are presently accepted by the California State Board of Education in fulfillment of verification regulations.\* Upon satisfactory fulfillment of degree and professional education requirements, the student applies directly to the Credentials Office of the California State Board of Education for issuance of the appropriate credential.

### BACCALAUREATE DEGREES WITH A MAJOR IN EDUCATION

As of June 7, 1964, the College no longer accepts enrollments in degree programs leading to the Bachelor of Education or the Bachelor

\* The California State Board of Education is empowered to change credential requirements without prior notice. The college will make changes in programs leading to credentials whenever revisions are reported to it in the California Administrative Code, Title 5, Education or by other official notifications.

of Arts with a major in education. Students currently pursuing these degree objectives and who maintain continuous enrollment may qualify for these degrees if they complete all requirements by September 15, 1966.

### CREDENTIAL PROGRAMS STARTED PRIOR TO SUMMER SESSION 1964

Under current California State Board of Education regulations, an upper division student who completed at least one required course in professional education under credential regulations which were in effect prior to November 1, 1963 may fulfill credential requirements as set forth in that catalog which corresponds to the date of his first enrollment in a credential program.

Because of program modifications, candidates for elementary and secondary credentials who were enrolled for the first time in a credential program during 1963-64 should continue their already established programs of study under the guidance of their assigned credential advisers rather than following program requirements as stated in the 1963-64 Catalog.

The Division of Education will continue for a limited period of time to offer courses which are necessary to enable students to fulfill requirements for credential programs which were in existence prior to January 1, 1964. The final semester these courses will be offered should be carefully noted. (See courses and descriptions, pages 70-73.)

### GENERAL EDUCATION REQUIREMENTS FOR TEACHING CREDENTIALS

The student who intends to become a candidate for an elementary or secondary teaching credential is advised to select his General Education courses with utmost care. In planning the course of study to be completed in General Education the student and his adviser should follow the requirements for General Education as stated on page 43 of this catalog and be guided by the following specific requirements for credential candidates.\*

#### Social Sciences

##### *Elementary and secondary credentials:*

- (1) One course in United States history. (HIST 361-4) \*
- (2) One anthropology *or* sociology course in cultural-social-institutional studies. (SOCL 311, 312, 313) †
- (3) Principles of economics. (ECON 300) †
- (4) U.S. Constitution and California State and Local Government. (PSCI 101) \*
- (5) A course in regional and/or cultural geography.†

\* Requirement set forth by the California Administrative Code, Title 5, Education and/or the Division of Education.

† Division of Education recommendation.

## **Education**

### **Natural Science**

No additional courses required.

### **Literature, Philosophy and Creative Arts**

#### *Elementary Credential:*

- (1) A course in modern philosophies. (PHIL 301, 312, 313) †
- (2) An appreciation course in art, *and* an appreciation course in music. Also, a non-appreciation course in art or music.\*
- (3) A course in children's literature. †

#### *Secondary Credential:*

- (1) A course in modern philosophies. (PHIL 301, 312, 313) †
- (2) A course in art *and* a course in music.\*

### **Oral and Written Expression**

#### *Elementary Credential:*

- (1) One year of English including freshman composition with a grade of C or better.
- (2) A course in public speaking *and* a course in oral interpretation with grades of C or better. (SPCH 312 and 340) \*

#### *Secondary Credential:*

- (1) One year of English including freshman composition passed with a grade of C or better.
- (2) A course in public speaking *and* a course in oral interpretation. (SPCH 312 and 341) \*

### **Psychology**

#### *Elementary Credential:*

- (1) A course in general psychology *and* a course in child psychology, or growth and development. (PSYC 311) \*

#### *Secondary Credential:*

- (1) A course in general psychology *and* a course in adolescent psychology. (PSYC 312) \*

### **Health and Physical Education**

Elementary and secondary credentials require a course which fulfills legal requirement concerning narcotics, alcohol, safety, etc.

### **Mathematics**

Elementary credential requires a course in mathematics requiring as a prerequisite an understanding and knowledge of high school algebra and geometry or calculus. (MATH 301) \*

\* Requirement set forth by the California Administrative Code, Title 5, Education and/or the Division of Education.

† Division of Education recommendation.

**ADMISSION TO CREDENTIALS PROGRAM \***

To be eligible to make application for admission to the elementary and secondary teaching credential program the student must:

- (1) Matriculate to the College.
- (2) Have an accumulative grade point average of 2.25 (C+). An exception to this is made if the student has a 2.50 grade point average in his most recent 30 units of course work.

Students who are eligible (see above) are advised to submit applications for admissions to the credentials program during the first semester they are enrolled in the College. An applicant with graduate standing (other than a Stanislaus State College graduate) must request complete official transcripts, from each college and university at which he registered, to be sent directly to the Division of Education. Printed informational materials and application forms may be obtained at the Division of Education Office.

Admission to the credentials program is prerequisite to: (1) registration in professional education courses beyond EDUC 311, (2) placement in field work experiences, (3) recommendation by the College for issuance of a credential, (4) recommendation for renewal of a provisional credential, and (5) referral to and by the College placement service.

Policies pertaining to requirements and procedures for admission to the credentials program are formulated by the Credentials Admissions Committee (CAC) of the Division of Education. This committee reviews and acts on all applications for admission to the credentials program. Committee actions are of three types: (1) approval, (2) probationary approval, if achievements are marginal, (3) disapproval. Admission to a teaching credential program is approved when the student is adjudged qualified under standards set forth in the California Administrative Code, Title 5, Education. Section 41101 requires that each teacher candidate must be evaluated in terms of academic aptitude, scholarship, professional aptitude, physical fitness, fundamental skills, personality and character, and many-sided interests. (See detailed informational materials available in the Division of Education Office.)

**CONTINUANCE IN CREDENTIAL PROGRAM**

Retention in a teaching credential program is based upon continuous satisfactory evaluation of student performance by the Credentials Admissions Committee. An overall grade point average of 2.5 must be maintained while in program.

\* Students who currently hold valid regular teaching credentials and are not seeking another teaching credential may register for courses in education without approval for admission to the credential program.

## Education

### ADMISSION TO STUDENT TEACHING

To be eligible for admission to student teaching:

- (1) The student must have completed or be in the process of completing all course requirements, except student teaching, leading to the credential for which he is a candidate. (See credential requirements, pages 68-69.) A student who has completed these course requirements at an approved institution other than Stanislaus State College must in addition have completed in residence at Stanislaus State College the courses EDUC #01 or 446, and one elective course as approved by the credential adviser.\*
- (2) The student must have received a grade of C or better in each course and a 2.50 grade point average in all required professional education courses leading to the credential for which he is a candidate.
- (3) A secondary teaching credential candidate must be recommended in terms of his subject matter competence by the department and/or division of his major and minor teaching fields. A 2.75 grade point average, *or* compensating abilities and skills as adjudged by the student's major and credential advisers, is required in the disciplines of the teaching major and minor.

Application for student teaching must be submitted by the student to the coordinator of student teaching placement early in the semester which precedes the semester in which student teaching is to occur.

Admission to student teaching is granted by the Credentials Admissions Committee following review of the recommendations received from the student's credential adviser concerning scholarship, adequacy of preparation, appropriate placement for student teaching, and adjustment of the student's load of school and non-school activities.

### SUBSTITUTION OF TEACHING EXPERIENCE FOR STUDENT TEACHING

A candidate for a teaching credential who has prior teaching experience may petition the Credentials Admissions Committee to substitute an equivalent number of units in approved electives for a portion or all of the student teaching unit requirement. Substitution will be considered in cases in which the candidate has:

- (1) Been admitted to the credentials program.
- (2) Completed courses prerequisite to student teaching.
- (3) Placed on file in the Division of Education an official letter certifying satisfactory teaching experience as prescribed by law. (The law requires two years full-time teaching at an approved school verified as satisfactory by a school official.)

\* Courses completed as lower division professional education *or* courses completed more than 10 years prior to admission to the credentials program are not accepted toward fulfillment of professional education requirements.

- (4) Teaching experience in school settings equivalent to standards established by the Division of Education for the placement of its student teachers.
- (5) Enrolled in EDUC 401 *or* 446, *or* currently teaching in the immediate vicinity of the College so that on-the-job evaluations may be carried out by appropriate faculty.

**FINAL EVALUATION BY CREDENTIALS ADMISSIONS COMMITTEE**

The teaching credential candidate's file and all required records are subject to final review prior to qualifying for recommendations by the Division of Education.

**ACADEMIC MAJORS AND MINORS FOR TEACHING CREDENTIALS**

Academic majors, leading to the bachelor of arts at Stanislaus State College, as specified on pages 67-68, will satisfy new credential regulations. Augmentations of degree minors to meet credential requirements should be planned with an adviser in the department of the minor and the credential adviser. Students presenting either a non-academic major or minor are urged to consult their credential adviser immediately upon being admitted to the College. The only non-academic major or minor offered by Stanislaus State College is in business administration.

Elementary credential candidates are urged to complete diversified majors, such as those listed on pages 67-68. Teaching majors and minors for the secondary credential should be in subject areas commonly taught at the high school level. Subject emphases within a major or minor field should be planned in consultation with the academic and the credential advisers.

Under credential regulations which became effective as of November 1, 1963, a candidate for an elementary or secondary teaching credential must complete an academic major of at least 24 upper division units and a 20-unit single subject minor. An academic minor must be completed if the degree major is classified as non-academic.

The following bachelor of arts degree majors offered by Stanislaus State College are acceptable as academic credential majors:

**ACADEMIC MAJORS FOR CREDENTIALS**

**GENERAL ELEMENTARY**

<b>Single Subject</b>	<b>Diversified</b>
Art	Fine Arts: Art Biological Sciences
English	Humanities: English
History	Social Sciences: History
Mathematics	Sciences: Mathematics
	Music

**GENERAL SECONDARY**

<b>Single Subject</b>	<b>Interdepartmental</b>
Art	Fine Arts: Art Biological Sciences
English	Humanities: English
History	Social Sciences: History
Mathematics	Sciences: Mathematics
	Music

## Education

### ACADEMIC MAJORS FOR CREDENTIALS—Continued

GENERAL ELEMENTARY		GENERAL SECONDARY	
Single Subject	Diversified	Single Subject	Interdepartmental
	Physical Sciences		Physical Sciences
	Social Sciences		Social Sciences
	Interdepartmental		Interdepartmental: History or Political Science
	Social Sciences Divisional		Social Sciences Divisional: History or Political Science
Spanish	Humanities: Spanish	Spanish	Humanities: Spanish
Speech	Speech-Drama	Speech	Speech-Drama

The following bachelor of arts degree minors offered by Stanislaus State College are acceptable as academic single subject credential minors. Students completing a non-academic major must complete 20-unit academic single subject minor which includes 12 upper division units.

#### ACADEMIC MINORS FOR ELEMENTARY AND SECONDARY CREDENTIALS

Art	Mathematics
Biology	Music (Instrumental)
Chemistry	Physics
Economics *	Political Science *
English	Sociology *
French	Spanish
History *	Speech

The bachelor of arts degree minor in Business Administration is the only non-academic minor offered by the College. The student who completes this minor must complete an academic major to qualify for a secondary teaching credential.

#### PROFESSIONAL EDUCATION PROGRAMS LEADING TO ELEMENTARY AND SECONDARY TEACHING CREDENTIALS

The following table lists teaching credential requirements for candidates subject to California credential regulations which became effective January 1, 1964. Students who commenced credential programs under prior regulations should consult credential advisers should they wish to change to the new programs. Under new regulations applicants for a teaching credential must have completed thirty units beyond the bachelor degree. The courses listed below are planned for students without teaching experience.

Foundations (Recommended Undergraduate)	Elementary	Secondary
EDUC 311. Social Foundations of Education (3).....	3	3
EDUC 312. Psychological Foundations of Education (3)...	3	—
EDUC 316. Psychology in Educational Practice (4).....	—	4

\* Before electing to pursue this minor the student seeking a secondary credential should consult a credential adviser as to possibilities of student teaching and professional placement.



## Education

Curriculum and Instruction (Recommended Fifth Year)	Elementary	Secondary
EDUC 401. Principles of Elementary Education (3)*.....	3	—
EDUC 425. Reading in Elementary School (3)*.....	3	—
EDUC 426. Social Studies in Elementary School (3)*.....	3	—
EDUC 446. Secondary Education (3).....	—	3
EDUC 447. Secondary School Curriculum (3).....	—	3
 <b>Directed Teaching (Second Semester Fifth Year)</b>		
EDUC 440. Student Teaching in Elementary School (12)	12	—
EDUC 460. Student Teaching in Secondary School (9)...	—	9
	—	—
Total Units .....	27	22

### RECOMMENDED PROFESSIONAL ELECTIVES

Credential candidates must demonstrate competency to teach subjects required by statute and by the regulations of the State Board of Education. Courses listed below are offered to help teachers prepare to instruct in required subject areas. Credential advisers will assist students select professional electives from the following courses:

- ART 384. Art Experiences in Elementary School (2)
- ART 480. Art Education (3)
- EDUC 424. Developmental Reading (3)
- EDUC 425. Reading in Elementary School (3)
- EDUC 426. Social Studies in Elementary School (3)
- EDUC 427. Language Arts in Elementary School (3)
- EDUC 428. Mathematics in Elementary School (3)
- EDUC 429. Science in Elementary School (3)
- EDUC 430. Health and P.E. in Elementary School (3)
- EDUC 431. Mathematics in Junior High School (3)
- EDUC 436. Selection and Use of Instructional Materials (3)
- EDUC 462. Teaching Problems Seminar (2)
- EDUC 475. Tests, Measurement and Evaluation (3)
- EDUC 479. Counseling and Guidance (3)
- EDUC 480. Laws Relating to Children and Youth (2)
- EDUC 481. Educational and Occupational Information (3)
- EDUC 485. Exceptional Children and Youth (3)
- EDUC 603. History and Philosophy of Education (3)
- MUS 335. Music in Elementary School (2)

### COURSE DESCRIPTIONS

#### **EDUC 200. Introduction to Teaching (2) F, S**

Lectures and discussions of responsibilities and professional implications of teaching. Small group guidance conferences, and observation at each of the four levels of K-12. This course is not required in the credential program but students may elect to seek admission to the credentials program concurrently. Prerequisites: Consent of instructor. Medical clearance must be obtained prior to public school observations.

\* EDUC 401 must be completed prior to or taken concurrently with EDUC 424 or 425 and 426, since this course includes guided participation-teaching in these curricular areas. Students must arrange a block of time in their weekly schedules for this field work.

## Education

### FOUNDATIONS

#### **EDUC 311. Social Foundations of Education** (3) F, S

Society and education; analysis of historical, philosophical and social factors influencing public education; function and role of the teacher; social processes within the school. Satisfactory completion of this course is required for admission to or continuation in credential programs. (Formerly 3311) Prerequisite: Consent of credential adviser.

#### **EDUC 312. Psychological Foundations of Education** (3) F, S

Educational implications of growth and development; learning process; use of psychological data in teaching; assessment techniques. Emphasis on teaching pre-adolescent; guided observations of school and classroom experiences. (Formerly 3312) Prerequisites: PSYC 311 and admission to credential program.

#### **EDUC 316. Psychology in Educational Practice** (4) F, S

Concepts and techniques from psychology applied to classroom learning. Emphasis upon teaching adolescents with appropriate introduction to guidance and counseling and measurement and evaluation in educational practice. Secondary school observation. Prerequisites: PSYC 312 and admission to credential program.

### CURRICULUM AND INSTRUCTION

#### **EDUC 401. Principles of Elementary Education** (3) F, S

Role, organization and curriculum of the modern elementary school; scope of legally required instruction for grades K-9. Guiding children's classroom participation in reading and social studies. Prerequisites: EDUC 311 and EDUC 312; and consent of credential adviser.

#### **EDUC 424. Developmental Reading** (3) F

Guiding initial reading experiences. Prerequisites: EDUC 401, and consent of credential adviser.

#### **EDUC. 425. Reading in Elementary School** † (3) S

Elementary reading program; application of reading skills to elementary school curriculum (K-9). (Formerly 4321) Prerequisites: EDUC 401, and consent of credential adviser.

#### **EDUC 426. Social Studies in Elementary School** † (3) F, S

Teaching social studies in grades K-9; curriculum, materials, and methods; preparation of teaching guide based on California social studies framework statement (Formerly 4322) Prerequisite: EDUC 401.

#### **EDUC 427. Language Arts in Elementary School** † (3) F

Teaching language arts in grades K-9; curriculum, materials, and methods; development of children's speech and listening skills, oral and written expression, handwriting and spelling. (Formerly 4323) Prerequisite: EDUC 401.

#### **EDUC. 428. Mathematics in Elementary School** † (3) S

Teaching mathematics in grades K-6; concepts and applications. Curriculum planning and demonstrations based on modern strands and techniques. (Formerly 4327) Prerequisite: EDUC 401.

† May not be taken for degree or credential credit by student who has completed EDUC 425 or equivalent. In the case of EDUC 420 this pertains to the first 8 units earned in EDUC 425-430 and EDUC 436.

**EDUC 429. Science in Elementary School † (3) S**

Teaching science in grades K-9; purposes, methods, and materials. (Formerly 4324) Prerequisite: EDUC 401.

**EDUC 430. Health and P.E. in Elementary School † (3) SS**

Purposes, materials, activities, and techniques applicable in elementary school health and physical education. (Formerly 4330) Prerequisite: EDUC 401.

**EDUC 431. Mathematics in Junior High School (3) F**

Teaching mathematics in grades 7-9; concepts and appreciations. Real number system. Curriculum planning and demonstrations based on modern strands and techniques. Prerequisites: EDUC 311 and EDUC 312 or EDUC 316. Recommended for secondary students with mathematics and science majors or minors.

**EDUC 436. Selection and Use of Instructional Materials † (3) SS**

Use of libraries, instructional materials centers, and audio-visual materials and equipment. Preparation of resource files. Meets credential requirement in audio-visual. (Formerly 4333) Prerequisites: EDUC 311, EDUC 312 or EDUC 316.

**EDUC 440. Student Teaching in Elementary School (8-12) F, S**

Cooperative public school and college supervision of observation-participation and student teaching activities at the primary and intermediate grade levels. Enrollment for 12 units is for students fulfilling credential requirements under the new credential law which requires at least 180 clock hours of actual classroom teaching; enrollment includes a weekly on-campus seminar. Enrollment for 8 units requires concurrent enrollment in EDUC 445. Student must submit application for student teaching at Division of Education Office one semester prior to enrollment in this course. It is recommended that students who plan to do their student teaching in K-3 complete EDUC 424 prior to enrollment in this course. A grade of P or F will be awarded for this course. Prerequisite: Final clearance from Credentials Admissions Committee.

**EDUC 445. Student Teaching Seminar, Elementary (2) F, S Final offering, S 1965**

Clarification of topics growing out of directed teaching experience and related to assuming full legal and professional classroom responsibilities. Concurrent enrollment in EDUC 440 required.

**EDUC 446. Secondary Education (3) F, S**

Development of secondary education in United States (junior and senior high schools); objectives, administrative characteristics; curricular and extra-curricular features; student interests and abilities; guidance and instructional programs; standards and accreditation procedures; community relations. Directed observation. (Formerly EDUC 402, 511, and 5310) Prerequisites: EDUC 311, EDUC 316, and consent of credential adviser.

**EDUC 447. Secondary School Curriculum (3) F, S**

Purposes and trends in development of secondary school curricula, junior and senior high schools; contemporary curriculum studies; sources of information, instructional materials; preparation of a guide to teaching in major field; observation and participation in major and minor fields. (Formerly EDUC 512 and 5311) Prerequisites: EDUC 311, EDUC 316, EDUC 446 or concurrent enrollment, and consent of credential adviser.

† May not be taken for degree or credential credit by student who has completed EDUC 420 or equivalent. This pertains to the first 8 units earned in courses EDUC 425-430 and EDUC 436.

## **Education**

### **EDUC 460. Student Teaching in Secondary School (6-9) F, S**

Cooperative public school and college supervision of observation-participation student teaching activities in major and minor fields of specialization. (Formerly EDUC 535 and 5326) Enrollment for 9 units is for students fulfilling credential requirements under the new credential law which requires at least 120 clock hours of actual classroom teaching; enrollment includes a weekly on-campus seminar. Enrollment for 6 units requires concurrent enrollment in EDUC 461. Student must submit application for student teaching at the Division of Education Office one semester prior to enrollment in this course. A grade of P or F will be awarded for this course. Prerequisite: Final clearance from Credentials Admissions Committee.

### **EDUC 461. Student Teaching Seminar, Secondary (2) F, S Final offering, S 1965**

Clarification of topics growing out of directed teaching experience and related to assuming full legal and professional classroom responsibilities. (Formerly EDUC 540) Prerequisite: Concurrent enrollment in EDUC 460.

### **EDUC 462. Teaching Problems Seminar (2) F, S**

Research and discussion of topics growing out of student teaching experiences related to assuming full legal and professional classroom responsibilities. Prerequisite: Concurrent enrollment in EDUC 440 or EDUC 460.

### **EDUC 475. Tests, Measurement and Evaluation (3) F, SS**

Construction of tests for classroom use, selection and use of standardized tests, statistical measurement in education, evaluation of progress. New statewide testing program. (Formerly 4351) Prerequisites: EDUC 311 and EDUC 312 or EDUC 316

### **EDUC 479. Counseling and Guidance (3) S, SS**

Introduction to guidance and counseling, practice of counseling and guidance techniques. (Formerly EDUC 4352) Prerequisite: EDUC 475 or consent of credential adviser.

### **EDUC 480. Laws Relating to Children and Youth (2) S \***

Educational and statutory regulations relating to children and youth. Emphasis on meeting needs of school personnel. (Formerly SOCL 426 and 4789) Prerequisite: SOCL 201 or consent of instructor.

### **EDUC 481. Educational and Occupational Information (3) F**

Sources of occupational information; community and nationwide surveys; job analyses; procedures for relating vocational and self-information. Emphasis on meeting needs of school counselors. (Formerly SOCL 427 and 4790) Prerequisite: SOCL 201 or consent of instructor.

### **EDUC 485. Exceptional Children and Youth (3) F**

Physical, intellectual, social and emotional deviations among children and youth; community resources; educational adjustments. (Formerly 4394) Prerequisites: EDUC 311 and EDUC 312 or 316 or consent of instructor.

### **EDUC 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of upper division courses not offered during period of credentials transition. Consideration will be given only to students who have experienced unavoidable programming difficulties. Requests for such studies must be presented to the Chairman of the Division of Education no later than six weeks prior to registration. May be repeated for a total of 6 units. (Formerly 4932)

\* Offered alternate years.

**EDUC 603. History and Philosophy of Education (3) S**

Historical and philosophical foundations of education. For elementary and secondary teachers; required of students beginning work toward supervision and administration credentials. (Formerly EDUC 584 and 5313) Prerequisite: Consent of instructor.

**EDUC 632. Counseling and Community Resources (3) F**

Dynamics of relationships of family, community, and school; community-wide services, agency-school relationships; family visiting, including conferences, interviews, referrals: Required for Pupil Personnel Credential. (Formerly SOCL 525 and 5785) Prerequisite: EDUC 479, SOCL 313, or consent of instructor.

**EDUC 633. Case Study and Techniques (3) S**

Analysis of case studies; techniques and procedures used in case study; presentation of cases with critical analysis. Required for Pupil Personnel Credential. (Formerly SOCL 528 and 4784) Prerequisite: Consent of instructor.

**EDUC 635. Pupil Personnel Services Seminar (2) F**

Current practices in pupil personnel services. Organization and administration of pupil personnel services. Open to practicing personnel. (Formerly 5398-B) Prerequisite: Consent of instructor.

**EDUC 645. Curriculum Planning and Development (3) F Final Offering, F 1964**

Planning and development of instructional programs; analysis of research data, social influences, roles of individuals and groups; evaluation of total programs. (Formerly 5328) Prerequisite: Consent of credential adviser.

**EDUC 648. Supervision Administration (3) S Final Offering, S 1965**

Techniques and practices used in school supervision; selection and assignment of instructional personnel, orientation of new faculty, in-service education, evaluation of services, professional ethics. (Formerly 5371) Prerequisite: EDUC 645.

**EDUC 661. School Organization and Administration (3) F Final Offering, F 1964**

Federal, state, county and city district school organization and administration at elementary and secondary levels. (Formerly 5370) Prerequisite: Consent of credential adviser.

**EDUC 668. Advanced School Administration (3) S Final Offering, S 1965**

Public school administration and organization at elementary and secondary levels. Legal aspects of education, school finance, housing, and business administration; programs of adult education, special education, and vocational education. (Formerly 5372) Prerequisite: EDUC 661.

**EDUC 669. School Finance \* (3) F Final Offering, F 1965**

Federal, state, and local financing of public education; budgeting, accounting, auditing; purchase and management of school supplies. (Formerly 5375) Prerequisite: EDUC 668 or consent of adviser.

**EDUC 670. Legal Structure of Education \* (2) S Final Offering, S 1965**

Legal aspects of federal, state, county and city district school administration; duties, rights, liabilities, and responsibilities of school board members, administrators, the teaching faculty, classified personnel, pupils and parents. Prerequisite: EDUC 668 or consent of adviser.

\* Offered alternate years.

## **Education**

### **EDUC 683. School Supervision and Administration Seminar (2) F Final offering, F 1965**

Case study analysis of practical problems in school administration and supervision. Open to practicing principals, supervisors, and consultants. (Formerly 5393-A)

### **EDUC 685. Supervising Teachers Seminar (2) F, S**

Seminar for employed teachers who have demonstrated outstanding ability. To be taken prior to supervising student teachers from the College. May be repeated for a total of 4 units. (Formerly 5362) Prerequisite: Consent of Chairman of the Division of Education.

### **EDUC 694. Field Work**

Actual work experience in field for which student is seeking credential. Joint supervision by district and college.

#### **Work Experience: Pupil Personnel Services (2-4) S**

Concurrent enrollment in EDUC 653 required. (Formerly EDUC 631 and 5391-C) Prerequisite: Consent of credential adviser.

#### **Work Experience: School Supervision (1-4) S Final Offering, S 1965**

Concurrent enrollment in EDUC 683 required. (Formerly EDUC 675 and 5391-B) Prerequisite: Consent of credential adviser.

#### **Work Experience: School Administration (1-4) Final Offering, F 1965**

Concurrent enrollment in EDUC 683 required. (Formerly EDUC 679 and 5391-A) Prerequisite: Consent of credential adviser.

### **EDUC 698. Individual Study (2-3) F, S**

For qualified graduate student in need of graduate course not offered during period of credentials transition. Consideration will be given only to students who have experienced unavoidable programming difficulties. Requests for such studies must be presented to the Chairman of the Division of Education no later than six weeks prior to registration. May be repeated for a total of 6 units. (Formerly EDUC 598 and 5392)

# ENGLISH

## *In the Division of Humanities*

Assistant Professors: James P. Jensen, Head, Lawrence D. Berkoben, and Lola V. Johnson

The program in English provides courses in language, literature and criticism which are designed to inculcate in the student the means to make informed and independent critical evaluations.

The Bachelor of Arts, Humanities with a major in English provides a background for students preparing for various professions, study at the graduate level, and teaching.

### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

English majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 30 semester units, exclusive of General Education, of which a minimum of 30 semester units must be upper division.
3. Complete course requirements as specified for the major in the table on page 75.
4. Complete a minor to be selected in consultation with the major adviser.

### REQUIREMENTS FOR LIBERAL ARTS MAJOR AND MINOR IN ENGLISH

<b>Lower Division</b>	<b>Major</b>	<b>Minor</b>
English composition, 6 units.....		6
Literature survey, 6 units; to include either 6 units in English Literature, or English Literature I and 3 units in American Literature I or II (For the student who is an English major, 12 units in English courses above are applicable to satisfying General Education requirements.) .....		6
<b>Upper Division</b>		
ENGL 365. Introduction to Literary Criticism (3).....	3	3
Choice of one of the following on advisement:		
ENGL 318. Romantic Period I (3)		
ENGL 319. Romantic Period II (3)		
ENGL 320. Late Nineteenth Century Literature (3).....	3	
ENGL 405. Age of Chaucer (3).....	3	
Choice of one of the following on advisement:		
ENGL 315. Eighteenth Century Literature I (3)		
ENGL 413. Seventeenth Century Literature (3) .....	3	
Choice of one of the following on advisement:		
ENGL 421. Shakespeare I (3)		
ENGL 422. Shakespeare II (3) .....	3	3
Electives on advisement.....	15	3
<b>Total Units</b> .....	<b>30</b>	<b>21</b>

## English

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN ENGLISH

1. Complete requirements for liberal arts major in English. (ENGL 361. Advanced Composition-Usage (3) is recommended as an elective.)
2. Complete six additional units of approved electives in English as postgraduate work, or six upper division units of approved electives in another discipline in humanities.
3. See Division of Education, pages 62-74.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN ENGLISH

1. Complete requirements for liberal arts minor in English. (ENGL 361. Advanced Composition-Usage (3) is recommended as an elective.)
2. See Division of Education, pages 62-74.

### COURSE DESCRIPTIONS

**ENGL 221. English Literature I (3) F**

The beginnings of English literature to 1800. (Formerly 3500)

**ENGL 222. English Literature II (3) S**

From 1800 to the present. (Formerly 3501)

**ENGL 241. American Literature I (3) F**

The beginnings of American literature to 1865. (Formerly 3513 and 3520)

**ENGL 242. American Literature II (3) S**

From 1865 to the present. (Formerly 3514, 3521, 3525)

**ENGL 315. Eighteenth Century Literature I (3) F**

Dryden, Pope, and Swift.

**ENGL 316. Eighteenth Century Literature II (3) S**

Johnson, Boswell, Gray, Collins, Cowper, and Goldsmith.

**ENGL 318. Romantic Period I (3) F**

Blake, Coleridge, Wordsworth, Southey, and Lamb. (Formerly 3502)

**ENGL 319. Romantic Period II (3) S**

Keats, Shelley, and Byron. (Formerly 4509)

**ENGL 320. Late Nineteenth Century Literature (3) S**

Tennyson, Browning, Arnold, the Pre-Raphaelites, and Carlyle.

**ENGL 321. English Novel (3) F**

Richardson, Fielding, Sterne, Jane Austen, Dickens, Thackeray, George Eliot, and Hardy. (Formerly ENGL 322, 3522 and 3523)

**ENGL 341. American Novel (3) F**

Hawthorne, Melville, Twain, James, Crane, Hemingway, Lewis, Fitzgerald, and Faulkner. (Formerly 3524 and 3525)



- ENGL 344. Nineteenth Century American Literature** (3) S  
Emerson, Thoreau, and others.
- ENGL 361. Advanced Composition-Usage** (3) S  
Grammar, composition, and rhetorical analysis. Prerequisite: 2 semesters of English composition or equivalent. (Formerly ENGL 260, 2560, 3510, 3511)
- ENGL 365. Introduction to Literary Criticism** (3) F  
Survey of critical theories with special emphasis upon current tendencies. Includes practical work in analysis. (Formerly 4571)
- ENGL 405. Age of Chaucer** (3) F  
Literature of the fourteenth century with emphasis on works of Geoffrey Chaucer. (Formerly 4580)
- ENGL 413. Seventeenth Century Literature** (3) F  
Metaphysical poets, Milton. (Formerly ENGL 435)
- ENGL 421. Shakespeare I** (3) F  
Comedies and histories. (Formerly 4500)
- ENGL 422. Shakespeare II** (3) S  
Tragedies and romances. (Formerly 4501)
- ENGL 439. Modern British Literature** (3) S  
Conrad, Joyce, Lawrence, Forster, Yeats, and Auden. (Formerly ENGL 324, and 3523)
- ENGL 442. Twentieth Century American Literature** (3) F  
Frost, Faulkner, and others.
- ENGL 481. Modern European Literature** (3) F  
Proust, Gide, Camus, Mann, Kafka, Chekhov.
- ENGL 482. Types of Dramatic Literature** (3) S  
Dramatic forms with examples drawn from American, English, and European literature. (Formerly ENGL 455, 4222)
- ENGL 495. Advanced Studies in English** (Topic to be specified in *Class Schedule*)  
(3) F, S  
Intensified study of a major figure, area, or topic in English. (Formerly 496)
- ENGL 498. Individual Study** (2-3) F, S  
For student capable of independent work and in need of advanced or specialized study. May be repeated for a total of 6 units. (Formerly 4599) Prerequisite: Consent of instructor.
- ENGL 598. Individual Study** (2-3) F, S  
For qualified graduate student in need of advanced or specialized study. May be repeated for a total of 6 units. (Formerly 5599) Prerequisite: Consent of instructor.

## FOREIGN LANGUAGES

*In the Division of Humanities*

Assistant Professor: John F. Saunders, Head

The program in foreign languages, French and Spanish, is designed to meet the needs of students who plan to teach the foreign languages and literature, as well as those who have need for the foreign languages to support an academic discipline or profession.

The Bachelor of Arts, Foreign Languages is offered with a major in Spanish. Minors are offered in French and Spanish.

All upper division courses are conducted primarily in the language. Use of the language laboratory permits the student to improve his conversational skills. Practice in reading and writing in the languages is given on an individual basis and in accord with the needs of the student.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Spanish majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 37 semester units, exclusive of General Education, of which a minimum of 21 semester units must be upper division.
3. Complete course requirements as specified for the major in the table on page 79.
4. Completion of a minor is not required.

### EQUIVALENTS IN A FOREIGN LANGUAGE

The student who has studied a foreign language in secondary school will be considered to have the college level equivalent in that foreign language in accordance with the following table.

YEARS OF H.S. STUDY	COLLEGE SEMESTERS	EQUIVALENT UNITS
2	1	4
3	2	8
4	3	12

As a basis for interpretation of the table above and for evaluation and placement, the student who presents secondary school credit in a foreign language will not receive college credit for a course for which equivalence has been determined; however, an exception is made for repetition of the last secondary school course completed.

**REQUIREMENTS FOR LIBERAL ARTS MAJOR  
AND MINOR IN SPANISH**

<b>Lower Division</b>	<b>Major</b>	<b>Minor</b>
Elementary Spanish .....	8 *	8 *
Intermediate Spanish .....	8 *	8 *
 <b>Upper Division</b>		
SPAN 311. Composition and Conversation (3) .....	3	3
SPAN 312. Advanced Style and Syntax (3) .....	3	3
SPAN 441. Spanish Literature I (3) .....	3	-
SPAN 442. Spanish Literature II (3) .....	3	-
Choice of one of the following on advisement:		
SPAN 443. Spanish-American Literature I (3)		
SPAN 444. Spanish-American Literature II (3) .....	3	-
Electives on advisement .....	6	3
SPCH 467. Structural Linguistics and Phonetics (3), as a support- ing field for the major .....	-	-
 Total Units .....	 37 *	 25 *

\* The student who elects Spanish as a major or minor is assumed to have the high school equivalent of one year of college Spanish when he enters college. A student who can demonstrate equivalent preparation may be exempt from 4 to 16 units of the lower division requirements. Two years of college level Spanish or the equivalent is required for admission to upper division courses.

**REQUIREMENTS FOR ELEMENTARY AND SECONDARY  
TEACHING CREDENTIALS MAJOR IN SPANISH**

1. Complete requirements for liberal arts major in Spanish.
2. Elementary candidate complete three additional units on advisement in Spanish.
3. Elementary and secondary candidates may qualify for single subject major in Spanish by completing six additional units in Spanish as postgraduate work.
4. Elementary and secondary candidates may qualify for diversified major in Humanities: Spanish by completing six additional units on advisement in another humanities discipline.
5. See Division of Education, pages 62-74.

**REQUIREMENTS FOR ELEMENTARY AND SECONDARY  
TEACHING CREDENTIALS MINOR IN SPANISH**

1. Complete requirements for liberal arts minor in Spanish, plus additional approved electives to total 20 units. Credential minor electives are to be chosen from: SPAN 441, 443, 444.
2. In addition to the 20 units, SPCH 467 is recommended as a course in a supporting field.
3. See Division of Education, pages 62-74.

## Foreign Languages

### REQUIREMENTS FOR LIBERAL ARTS MINOR IN FRENCH

Lower Division	Minor
Elementary * .....	8
Intermediate French * .....	8
<b>Upper Division</b>	
FREN 311. Composition and Conversation (3) .....	3
FREN 312. Advanced Oral and Written Composition (3) .....	3
Choice of one of the following on advisement:	
FREN 442. French Literature I (3) .....	
FREN 444. French Literature II (3) .....	3
<b>Total Units</b> .....	<b>25</b>

\* The student who elects French as a minor is assumed to have the high school equivalent of one year of college French when he enters college. A student who can demonstrate equivalent preparation may be exempt from 4 to 16 units of the lower division requirement. Two years of college level French or the equivalent is required for admission to upper division courses.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN FRENCH

1. Complete requirements for liberal arts minor in French, plus additional approved electives to total 20 units.
2. In addition to these 20 units, SPCH 467 is recommended as a course in a supporting field.
3. See Division of Education, pages 62-74.

### COURSE DESCRIPTIONS

#### FRENCH

#### **FREN 311. Composition and Conversation (3) F**

Advanced French composition, development of style and expression, readings and oral discussions in French of various facets of French culture. (Formerly 3530 and 3531) Prerequisite: 2 years of college level French or equivalent.

#### **FREN 312. Advanced Oral and Written Composition (3) F**

Intensive review of grammar, writing and speaking of current idiomatic French. Prerequisite: FREN 311 or equivalent.

#### **FREN 442. French Literature I (3) S**

Masterpieces of French prose and lyric poetry of the Middle Ages and Renaissance. Emphasis on development of French language as viewed through literature of the Classical Age. (Formerly 3528) Prerequisite: FREN 311 or consent of instructor.

#### **FREN 444. French Literature II (3) S**

Literature of philosophical and romantic movements in France through novels, poetry, and drama. (Formerly 3529) Prerequisite: FREN 311 or consent of instructor.

#### **FREN 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 4534) Prerequisite: Consent of instructor.

**SPANISH.**

**SPAN 301. Spanish for Elementary Teachers I (4) F**

Designed primarily for student preparing to teach Spanish in Elementary Schools. Pronunciation of Spanish; its basic vocabulary, grammar, and syntax. Taught by audio-lingual method in language laboratory. (Formerly 3550)

**SPAN 302. Spanish for Elementary Teachers II (4) S**

Continuation of SPAN 301. Taught by audio-lingual method in language laboratory. Special attention on use of imperfect and preterit tenses; present subjunctive, command forms, and pronouns. (Formerly 3551) Prerequisite: SPAN 301 or consent of instructor.

**SPAN 311. Composition and Conversation (3) F**

Readings in contemporary Spanish prose and poetry, idiomatic written and oral expression. (Formerly 3540 and 3541) Prerequisite: 12 units of lower division Spanish or consent of instructor.

**SPAN 312. Advanced Style and Syntax (3) S**

Consistencies of the language, development of proper style and expression, selected readings. (Formerly 3553) Prerequisite: 12 units of lower division Spanish or consent of instructor.

**SPAN 441. Spanish Literature I (3) F**

Early period through the Golden Age. Lecture and discussion. (Formerly 3545, 3546, 3555) Prerequisite: 12 units of lower division Spanish or consent of instructor.

**SPAN 442. Spanish Literature II (3) S**

From 1750 to the present. Lecture and discussion. (Formerly 3547, 3556) Prerequisite: SPAN 311.

**SPAN 443. Spanish-American Literature I (3) F**

From the beginnings to 1880. (Formerly 4542) Prerequisite: SPAN 311.

**SPAN 444. Spanish-American Literature II (3) S**

From 1880 to the present. Prerequisite: SPAN 311.

**SPAN 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced or specialized study. May be repeated for a total of 6 units. (Formerly 4541) Prerequisite: Consent of instructor.

## HISTORY

*In the Division of Social Sciences*

Assistant Professor: John P. Rasmussen, Head

Associate Professor: David B. Stenzel

Professor: John E. Caswell

History, a dialogue between the present and the past about the future, provides the general student with a background essential for the study of the humanities and the perspective requisite to understanding the contemporary world. A background in history is especially useful for careers which require careful judgment on the basis of limited evidence, such as the United States Foreign Service, intelligence work, journalism, as well as teaching.

The student seeking a Bachelor of Arts, Social Sciences may select a major in history or an interdepartmental major in history and one other discipline within the social sciences (for the latter, see Division of Social Sciences, page 104.)

### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

History majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 36 semester units, exclusive of General Education, of which a minimum of 24 semester units must be upper division.
3. Complete course requirements as specified for the major in the table on pages 82-83.
4. Complete a minor to be selected in consultation with the major adviser.

### REQUIREMENTS FOR LIBERAL ARTS MAJOR IN HISTORY

#### Lower Division

Courses selected from history survey sequences, 15 units; United States History and History of Western Civilization are recommended. (For the student who is a history major 3 units of United States History are applicable to satisfying General Education requirements.)

#### Major

Recommended courses in supporting fields:

Introductory economics and geography, and two years or the equivalent in a foreign language. (For "Equivalents in a Foreign Language," see page 78.)

## Upper Division

## Major

Choice of any two of the following on advisement:

HIST 361. Colonial America (3)	
HIST 362. Anti-Bellum America (3)	
HIST 363. America After Civil War (3)	
HIST 364. Contemporary America (3)	
HIST 470. American Diplomatic History (3)	
HIST 474. American Constitutional History (3)	
HIST 478. American Intellectual and Social History (3)	6

Choice of any two of the following on advisement:

HIST 314. Medieval Europe (3)	
HIST 320. Early Modern Europe (3)	
HIST 323. Nineteenth Century Europe (3)	
HIST 324. Contemporary Europe (3)	6

Choice of one of the following on advisement:

HIST 365. Modern Latin America (3)	
HIST 382. Modern Asia (3)	
HIST 400. Rise and Fall of European Colonial System (3)	
HIST 406. Science, Technology and Society Since 1700 (3)	3
HIST 496. Senior Seminar	3
Electives on advisement	6

Total Units 36

## REQUIREMENTS FOR LIBERAL ARTS MINOR IN HISTORY

The liberal arts minor in history consists of 15 units, selected in consultation with the minor adviser, of which 9 units must be in upper division courses.

## REQUIREMENTS FOR ELEMENTARY AND SECONDARY CREDENTIAL MAJOR IN HISTORY

1. Complete requirements for liberal arts major in history.
2. Complete six additional units of approved electives in history as postgraduate work, or six upper division electives in another social science discipline.
3. See Division of Education, pages 62-74.

## REQUIREMENTS FOR ELEMENTARY AND SECONDARY CREDENTIALS MINOR IN HISTORY

1. Complete a minimum of 20 units selected in consultation with the minor adviser.
2. See Division of Education, pages 62-74.

## COURSE DESCRIPTIONS

## HISTORY OF EUROPE SERIES

## HIST 314. Medieval Europe (3) F

Quest for political, social, economic, military, and philosophic security; Constantine to Savonarola. (Formerly 4731)

## History

### **HIST 320. Early Modern Europe (3) F**

Europe, 1500-1789. Search for political, social, economic, cultural, and philosophic freedom; Luther to Robespierre. (Formerly 4732)

### **HIST 323. Nineteenth Century Europe (3) F**

Democratization in the age of nationalism; Napoleon to Sarajevo. (Formerly 4733)

### **HIST 324. Contemporary Europe (3) S**

Search for political, social, economic, and philosophic security since 1914. (Formerly 4734)

## **HISTORY OF AMERICA SERIES**

### **HIST 361. Colonial America (3) F**

American, 1492-1783. Age of Exploration through the American Revolution: emergence of distinctively American social, political, and economic institutions; problems of nationalism. (Formerly 4725)

### **HIST 362. Anti-Bellum America (3) S**

United States, 1783-1865. Articles of Confederation through the Civil War: quest for cultural independence; interaction of popular democracy and economic growth; slavery, sectionalism and nationalism. Meets General Education requirement in U.S. history. (Formerly 3728)

### **HIST 363. America After Civil War (3) F**

United States, 1865-1914. Reconstruction through Progressivism: development of a complex urban-industrial society; coming of world power. Meets General Education requirement in U.S. history. (Formerly 4728)

### **HIST 364. Contemporary America (3) S**

United States, since 1914. World War I to present: America's role as a great power; problems of welfare capitalism. Meets General Education requirement in U.S. history. (Formerly 4729)

## **SPECIALIZED STUDIES**

### **HIST 365. Modern Latin America (3) S**

Independence to the present: quest for stability in an underdeveloped Western society.

### **HIST 367. California History and Geography (3) F, S**

Spanish exploration and settlement, environment, political, economic and social developments which give California its unique character. (Formerly 3720)

### **HIST 368. Westward Movement (3) S**

Frontier and its influence on American institutions and character since Jamestown. Evaluation of the Turner thesis.

### **HIST 382. Modern Asia (3) F**

Westernization and the search for a synthesis since Perry. (Formerly 4742)

### **HIST 400. Rise and Fall of European Colonial System (3) F**

Age of exploration; mercantilist colonies; impact of Europeans on Asia, Africa and the New World; the new imperialism; collapse of empires.

### **HIST 406. Science, Technology and Society Since 1700 (3) S**

Growth of science and technology, and their influences on modern thought and life. Prerequisite: One year of college science. (Formerly 4746)



**HIST 440. Modern Germany (3) F**

Problem of disunity since Luther. (Formerly 4737)

**HIST 442. Modern Russia (3) S**

Struggle for Westernization since Peter the Great. (Formerly 4738)

**HIST 446. Modern Britain (3) F**

Tudor era to present: evolution from medieval kingdom to modern state. (Formerly 3736)

**HIST 470. American Diplomatic History (3) F**

U.S. foreign relations from colonial period to present. Meets General Education requirement in U.S. history. (Formerly 3723)

**HIST 474. American Constitutional History (3) S**

English and colonial origins, American Revolution, Constitutional Convention, ratification; resolution of basic issues of political, economic, social and personal liberty in the course of American history since 1789. Meets General Education requirements in U.S. history and constitution. (Formerly 3722)

**HIST 478. American Intellectual and Social History (3) S**

Changes in American thought and conduct from colonial days to present. Meets General Education requirement in U.S. history. (Formerly 4724)

**HIST 496. Senior Seminar (3) S**

Philosophy of history. Research techniques applied to student investigation of original source material. Prerequisite: Consent of instructor.

**HIST 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. (Formerly 4748) Prerequisite: Consent of instructor.

**HIST 598. Individual Study (2-3) F, S**

For qualified graduate student in need of advanced and specialized study. (Formerly 5748) Prerequisite: Consent of instructor.

## JOURNALISM

*In the Division of Humanities*

Assistant Professor: S. Roy Wilson

Journalism offers courses designed to develop a better understanding of the mass communication media, to assist in preparing teachers for high school journalism assignments, and to provide training for participation in student publication activities.

A maximum of 8 units, including no more than 4 units in lower division, in such application courses as JOUR 391 and 393 may be allowed as credit for a degree or credential.

### COURSE DESCRIPTIONS

**JOUR 201. Journalism, Theory and Application (2) F**

Philosophy of journalism and application of journalistic principles to problems of communication through mass media. Concurrent enrollment in JOUR 391 is required.

**JOUR 391. Newspaper Production (1) F, S**

Directed activity working on college newspaper. May be repeated for a total of 4 units. (Formerly 4597)

**JOUR 393. Yearbook Production (1) F, S**

Directed activity working on college yearbook. May be repeated for a total of 4 units. (Formerly 4597)

## MATHEMATICS

*In the Division of Science and Mathematics*

Associate Professor: James N. Javaher, Head

The courses in mathematics are designed primarily to provide thorough undergraduate training in pure and applied mathematics, and to serve the needs of majors in mathematics, science and other departments. Prospective teachers in the elementary and secondary schools may obtain teaching majors or minors in mathematics.

The work required for a Bachelor of Arts, Science and Mathematics with a major in mathematics presupposes seven semesters of high school level mathematics: algebra (2 years), plane geometry (1 year), and trigonometry ( $\frac{1}{2}$  year); solid geometry and physics are desirable. Deficiencies may be made up by proper selection of courses in the lower division. Recommended courses in lower division supporting fields are at least one year of French, German, or Russian, and one year of general physics.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Mathematics majors are to:

1. Complete Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 39 semester units, exclusive of General Education, of which a minimum of 24 semester units must be upper division.
3. Complete course requirements as specified for the major in the table on page 87.
4. Completion of a minor is not required.

### REQUIREMENTS FOR LIBERAL ARTS MAJOR AND MINOR IN MATHEMATICS

Lower Division	Major	Minor
Analytic geometry and calculus.....	12	6
Statistics .....	3	—
<b>Upper Division</b>		
MATH 301. Foundations of Mathematics I (3).....	—	—
MATH 321. Differential Equations I (3).....	3	—
MATH 331. Modern Geometry (3) .....	3	—
MATH 351. Modern Algebra I (3).....	3	—
Electives on advisement.....	15	9
	—	—
Total Units .....	39	15

## **Mathematics**

### **REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN MATHEMATICS**

1. Complete requirements for liberal arts major in mathematics.
2. Complete: MATH 301. Foundations of Mathematics I (3), as part of the 15 units of electives on advisement.
3. Complete six units of approved electives in mathematics as post-graduate work, or six upper division units in a science discipline.
4. See Division of Education, pages 62-74.

### **REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN MATHEMATICS**

1. Complete requirements for liberal arts minor in mathematics, plus electives on advisement in mathematics to total 20 units.
2. See Division of Education, pages 62-74.

### **COURSE DESCRIPTIONS**

#### **MATH 160. Statistics (3) F, S**

Introductory course in statistics designed for students in the social and natural sciences. Organization and presentation of data; frequency distributions computation of descriptive constants; fundamentals of distributions, probability, analysis and interpretation of data. Prerequisite: One year of high school algebra.

#### **MATH 301. Foundations of Mathematics I (3) F, S**

Review of basic principles, numerals and systems of numeration, sets, relations and their properties, the system of whole numbers, integers, rational numbers, real numbers. Recommended for elementary and junior high school teachers. (Formerly 3611) Prerequisite: An understanding and knowledge of high school algebra and geometry.

#### **MATH 302. Foundations of Mathematics II (3) S**

Selected topics from complex numbers, sets, group and fields, logic, algebra, graphs and functions. Theory of numbers, probability, geometries, and topology. Recommended for secondary school teachers. (Formerly 3612) Prerequisite: MATH 301 or equivalent.

#### **MATH 311. Advanced Calculus I (3) F**

Limits and continuity, the real number system, continuous functions, extension of the law of the mean, function of several variables, partial differentiation, implicit-function theorems, transformation and mappings, vectors and vector fields, double and triple integrals. (Formerly 3620) Prerequisite: 12 units of analytic geometry and calculus.

#### **MATH 312. Advanced Calculus II (3) S \***

Curves and surfaces, line and surface integrals, point-set theory, fundamental theorems on continuous functions, the theory of integration, infinite series, uniform convergence, power series, improper integrals, complex functions, Fourier series integrals. (Formerly 3621) Prerequisite: MATH 311.

\* Offered alternate years.

**MATH 321. Differential Equations I (3) F**

Special equations, exact equations, linear equations, series solutions, numerical solutions, Laplace transform and operational methods. (Formerly 3625) Prerequisite: 12 units in analytic geometry and calculus.

**MATH 322. Differential Equations II (3) S \***

Bessel's Equation and Function, introduction to partial differential equations, boundary value problems, Legendre polynomials, spherical harmonics, Poisson integral formula, Green's functions. (Formerly 3626) Prerequisite: MATH 321.

**MATH 331. Modern Geometry (3) F**

Emphasis upon foundations of geometry and the interconnections between geometries. Selected topics in Euclidean geometry, synthetic and analytic projective geometry, and an introduction to basic ideas of non-Euclidean geometries as developed from an investigation of Euclid's Fifth Postulate and the projective approach. (Formerly 4610) Prerequisite: 3 units analytic geometry and calculus.

**MATH 351. Modern Algebra I (3) F**

Elementary properties of groups, rings, integral domains, and fields; an introduction to the theory of vectors and vector spaces. (Formerly 3612) Prerequisite: Consent of instructor.

**MATH 352. Modern Algebra II (3) S \***

Algebra of matrices and determinants, linear transformations. Prerequisite: MATH 351.

**MATH 361. Theory of Probability (3) S**

Concept of probability; theorems of total and compound probabilities; concepts of random variables, expected value, variance and covariance; corresponding rules; continuous probability distributions; binomial distribution and its limiting cases; normal distribution and Poisson distribution. (Formerly 4613)

**MATH 362. Inferential Statistics (3) F**

Normal and binomial distributions, normal probability function, tests of hypotheses, power of tests, statistical inference, regression analysis. (Formerly 4615) Prerequisites: College level algebra and MATH 160.

**MATH 440. Theory of Numbers (3) S \***

Euclid's algorithm and fundamental theorems on divisibility, prime numbers, congruence of numbers, theorems of Fermat, Euler, and Wilson, congruence of the first and higher degrees, Lagrange's theorem and its applications, residues of power quadratic residues, introduction to the theory of binary quadratic forms. (Formerly 4623) Prerequisite: One semester of analytic geometry and calculus.

**MATH 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 4612) Prerequisites: junior standing and consent of instructor.

Offered alternate years.

## MUSIC

### *In the Division of Creative Arts*

Associate Professor: Clifford C. Cunha, Head

Assistant Professor: Sylvia M. Ghiglieri

Professor: Joseph E. Bruggman

The music curriculum provides for the aesthetic and cultural development of the general student in the liberal arts. It also offers programs appropriate to the establishment of backgrounds prerequisite to private music teaching, public school music teaching, and professional careers. Emphasis is upon the development of the student's creative potential through study and experience in performance, theory and composition, history and literature.

The Bachelor of Arts, Art and Music is offered with a major in music. The student who intends to major in music is advised to consult with the music department head concerning the development of programs of study in specific fields of specialization. Responsibility rests with the potential music major to secure the departmental list of testing dates and other details pertaining to departmental requirements.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Music majors are to:

1. Complete the Requirements for the Bachelor of Arts degree. (See page 42.)
2. Complete a major of not less than 45 semester units, exclusive of General Education, of which a minimum of 26 semester units must be upper division.
3. Complete course requirements as specified for the major in the table on page 91.
4. All music majors are required to demonstrate ability (1) at the piano to play four-part hymns, and provide a simple accompaniment utilizing I, IV, V<sub>7</sub> chords for songs selected from literature of the community singing type, and (2) to sing any part of a four-part hymn; demonstrate knowledge of proper phrasing, breathing, vowels and consonants, and tone production in songs selected from simple vocal literature. Additional work will be required to overcome deficiencies in these areas.
5. Upon entering the department, music majors will be required to declare a major performing medium (voice, piano, orchestral instrument, etc.), complete an audition for classification, undertake a

program to continue development of this medium, and perform in recitals as required by the department. A successful senior recital in the major performance area or a public presentation in the field of specialization will be presented before approval for graduation. It is recommended that a secondary performance area be chosen.

6. Music majors are expected to participate in one performing group activity (choral or instrumental) each semester.
7. Completion of a minor is not required.

**REQUIREMENTS FOR LIBERAL ARTS MAJOR  
AND MINOR IN MUSIC**

<b>Lower Division</b>	<b>Major</b>	<b>Minor</b>
Harmony .....	12	6
Applied music .....	4	2
Group performance, 4 units. (For the student who is a music major, 3 units are applicable to satisfying General Education require- ments) .....	1	-
Basic conducting .....	2	-
 <b>Upper Division</b>		
MUS 301-303. History and Literature I-II (3-3) .....	6	3
MUS 322. Tonal Counterpoint (2) .....	2	-
MUS 323. Form and Analysis I (2) .....	2	-
MUS 327. Arranging (2) .....	2	-
MUS 343. Basic Conducting (2) .....	-	2
Instrumental Techniques (select on advisement from MUS 365, 366, 367, and 368) .....	-	2
MUS 389 or 489. Applied Music (1) .....	4	-
Performance (select on advisement from MUS 345, 351, and 354) .....	4	2
MUS 430. Composition .....	2	1
Electives on advisement .....	4	3
 Total Units .....	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 45	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 20

**REQUIREMENTS FOR ELEMENTARY TEACHING  
CREDENTIAL MAJOR IN MUSIC**

1. Complete requirements for liberal arts major in music.
2. Complete: MUS 335. Music in Elementary School (2) as part of the 4 units of electives on advisement.
3. See Division of Education, pages 62-74.

**REQUIREMENTS FOR SECONDARY TEACHING  
CREDENTIAL MAJOR IN MUSIC**

1. Complete requirements for liberal arts major in music.
2. Complete: MUS 436. Music in Secondary School (2) and four units selected from MUS 365, 366, 367, 368 in fulfillment of the 4 units on advisement.

## **Music**

3. Complete, normally as postgraduate work:  
MUS 324. Form and Analysis II (2)  
MUS 428. Orchestration (2)  
MUS 442. Intermediate Conducting (2)
4. See Division of Education, pages 62-74.

### **REQUIREMENTS FOR ELEMENTARY TEACHING CREDENTIAL MINOR IN MUSIC**

1. Complete requirements for liberal arts minor in music.
2. Complete: MUS 335. Music in Elementary School (2), as part of the 3 units on advisement.
3. See Division of Education, pages 62-74.

### **REQUIREMENTS FOR SECONDARY TEACHING CREDENTIAL MINOR IN MUSIC**

1. Complete requirements for liberal arts minor in music.
2. Complete: MUS 436. Music in Secondary School (2), as part of the 3 units on advisement.
3. See Division of Education, pages 62-74.

### **RECOMMENDED MUSIC COURSES FOR NON-MAJORS**

Music courses are offered for the non-major who is interested in music as a cultural background. The non-major is encouraged to select from the following courses:

- MUS 270. Basic Music for Classroom Teachers (3)
- MUS 305. Music in Our Time (3)
- MUS 306. Music of the Masters (3)
- MUS 345, 351, 354. Group Performance (1)
- MUS 371, 389, 471, 489. Applied Music (1)

### **PERFORMANCE COURSE CREDIT**

A maximum of 8 units, including no more than 4 units in lower division, in music performance courses (vocal and instrumental ensembles and organizations) may apply toward a degree or credential.

#### **COURSE DESCRIPTIONS**

**MUS 270. Basic Music for Classroom Teachers** (3) F, S  
Basic piano and elements of musical theory.

**MUS 271. Intermediate Piano** (1) F, S

Repertoire of the keyboard. May be repeated for a total of 2 units. Prerequisite: Consent of instructor.



**MUS 301. History and Literature I (3) F**

Development of music from its beginnings to the 19th century with emphasis on musical literature. Primarily for music majors and minors. Ability to read and perform music is required. (Formerly MUS 302, 4571-I and II)

**MUS 303. History and Literature II (3) \*S**

Continuation of MUS 301. Study of 19th and 20th century musical development. Primarily for music majors and minors. Ability to read and perform music is required. (Formerly MUS 304, 4571-III and IV)

**MUS 305. Music in Our Time (3) F**

Music, a consequence of society, will be studied in the light of its effect on the individual. Class will utilize opportunities inherent in Monterey Jazz Festival, San Francisco Opera, moving pictures, TV, records and class demonstrations. Ability to read and perform music is not required. Not open to music majors and minors. No prerequisites.

**MUS 306. Music of the Masters (3) S**

A course designed especially for the general student who is seriously interested in developing an understanding of some of the advanced concepts of music. Class discussions are based upon selected musical works of the various historical periods with emphasis upon the emergence of style, the impact of tonality, and development of musical structures. Ability to read and perform music is not required. Not open to music majors and minors.

**MUS 322. Tonal Counterpoint (2) F**

Counterpoint based on Bach's practice. Analysis of Bach's Inventions and Fugues from the Well Tempered Clavichord with emphasis on creative writing of certain contrapuntal forms in two and three parts. (Formerly 3583-II) Prerequisite: Two years of harmony or consent of instructor.

**MUS 323. Form and Analysis I (2) F**

Development of the ability to analyze and work with musical form beginning with the phrase and proceeding to small two and three-part forms and the simpler sonatas. Compositional exercises in writing phrases, periods, and short forms. (Formerly 4583-I) Prerequisite: Two years of harmony or consent of instructor.

**MUS 324. Form and Analysis II (2) S**

Analysis of the larger musical forms, the variation, rondo, and sonata forms. Creative writing in one of the larger forms. (Formerly 4583-II) Prerequisite: MUS 323.

**MUS 327. Arranging (2) F**

Development of skills in arranging music for school vocal and instrumental ensembles. (Formerly 3584) Prerequisite: Two years of harmony or equivalent, or consent of instructor.

**MUS 335. Music in Elementary School (2) F**

Creative performance and listening is stressed through the use of folk instruments, voice, and rhythmic movement. A sequence music program for the elementary school is organized utilizing the California State music texts and related materials. Orff techniques and instruments are employed. Listening to music and a simple chronological development of the art of music is included. (Formerly 3571) Prerequisite: MUS 270 or equivalent.

## **Music**

### **MUS 343. Basic Conducting (2) F**

Fundamental score reading, baton technique with reading assignments covering history and development of the conductor, functions of group organization. (Formerly MUS 241) Prerequisite: One year of harmony or consent of instructor.

### **MUS 345. Orchestra (1) F, S**

Required of music students whose performing medium is an orchestral instrument. May be repeated for a maximum of 4 units with permission of the instructor. A minimum of one public performance is given each term. (Formerly 4573) Prerequisite: Consent of instructor.

### **MUS 351. College Chorus (1) F, S**

Required of music students whose performing medium is voice. May be repeated for a maximum of 4 units with permission of the instructor. A minimum of one public performance is given each term. (Formerly 4577) Prerequisite: Consent of instructor.

### **MUS 354. Collegium Musicum (1) F, S**

Vocal and instrumental ensembles in performance of unusual music, emphasizing pre-Bach composers. A minimum of one public performance is given each term. (Formerly 4569) May be repeated for a maximum of 4 units with permission of the instructor. Prerequisite: Consent of instructor.

### **MUS 365. String Techniques (1) F**

Teaching and playing techniques of violin, viola, cello, bass. (Formerly 3590) Prerequisite: Consent of instructor.

### **MUS 366. Brass Techniques (1) S**

Teaching and playing techniques of trumpet, trombone, French horn, tuba. (Formerly 3592) Prerequisite: Consent of instructor.

### **MUS 367. Percussion Techniques (1) F**

Teaching and playing techniques of all standard percussion instruments. (Formerly 3591) Prerequisite: Consent of instructor.

### **MUS 368. Woodwind Techniques (1) S**

Teaching and playing techniques of flute, oboe, clarinet, bassoon. (Formerly 3593) Prerequisite: Consent of instructor.

### **MUS 371. Advanced Piano (1) F, S**

Placement to be determined by audition and consultation with music faculty. Class instruction. May be repeated for a total of 2 units. (Formerly 4578) Prerequisite: Consent of instructor.

### **MUS 389. Advanced Applied Music (1) F, S**

Studio instruction in voice, organ, and major orchestral instruments. Placement to be determined by audition and consultation with music faculty. May be repeated for a total of 2 units. (Formerly 3582) Prerequisite: Consent of instructor.

### **MUS 428. Orchestration (2) S**

Technical aspects of orchestral instruments and development of skills in scoring for advanced instrumental ensembles. (Formerly 4584) Prerequisite: MUS 327, or consent of instructor.

**MUS 430. Composition (2) S**

Original composition in various forms with opportunity to develop personal musical style. May be repeated for a maximum of 4 units of credit. (Formerly 4587) Prerequisite: Consent of instructor.

**MUS 436. Music in Secondary School (2) S**

Aims, methods, and organization of materials for music programs of junior and senior high schools. (Formerly 3574) Prerequisite: MUS 270 or equivalent.

**MUS 442. Intermediate Conducting (2) S**

Interpretation of choral and instrumental scores from the Renaissance to the present. (Formerly MUS 342) Prerequisite: MUS 343.

**MUS 471. Senior Piano (1) F, S**

Placement to be determined by audition and consultation with music faculty. Class instruction. May be repeated for a total of 6 units. (Formerly 4578) Prerequisite: Consent of instructor.

**MUS 489. Senior Applied Music (1) F, S**

Studio instruction in voice, organ and major orchestral instruments. Placement to be determined by audition and consultation with music faculty. May be repeated for a total of 6 units. (Formerly 4582) Prerequisite: Consent of instructor.

**MUS 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 3572 and 4572) Prerequisite: Consent of instructor.

## PHILOSOPHY

*In the Division of Humanities*

Assistant Professor: Ha Tai Kim

Philosophy may be used as a preparation for law, theology, and similar professional programs. In 1964-65 only a minor in Philosophy will be available.

### REQUIREMENTS FOR LIBERAL ARTS MINOR IN PHILOSOPHY

A minimum of 15 units in philosophy courses selected in consultation with the minor adviser, including at least 9 units in upper division, constitute a liberal arts minor in philosophy. Six of these units shall be a sequence in introduction to philosophy or PHIL 311 and PHIL 312, the history of philosophy sequence.

### COURSE DESCRIPTIONS

**PHIL 301. Ethics (3) F**

Analysis of problems of social and personal morality considered from an historical standpoint. Theories of the highest good.

**PHIL 311. History of Ancient and Medieval Philosophy (3) F**

Greek thought as a foundation for European philosophy. Development of philosophical thought through the medieval period.

**PHIL 312. Modern Philosophy (3) S**

Western philosophy from Descartes to Spencer: continental rationalism, British empiricism, Kant and post-Kantian German philosophy, and nineteenth century British philosophers.

**PHIL 313. Contemporary Philosophy (3) F**

Philosophical systems developed in the twentieth century, including pragmatism, phenomenology, existentialism, process philosophy, analysis philosophy, logical positivism, and neo-orthodoxy. (Formerly 3541)

**PHIL 322. Comparative Religious Philosophy (3) S**

Critical inquiry into the nature of religious experience considered from the philosophies of world's living religions: Buddhism, Hinduism, Taoism, Moham-medanism. Confucianism, Judaism, Christianity, and others.

**PHIL 412. Theory of Knowledge (3) S**

Basic considerations of problems of epistemology. Idealism, phenomenism, pragmatism, empiricism, and realism as theories to be discussed in light of the fields of science, education, and politics.

**PHIL 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

## PHYSICAL SCIENCES

*In the Division of Science and Mathematics*

Assistant Professors: Chris A. Galas, Head, Paula K. Loeffler;  
Associate Professor: James N. Javaher

The program in the physical sciences provides courses in the disciplines of astronomy, chemistry, geology, and physics. The objectives of these curricula are to prepare students for careers in the respective disciplines of the physical sciences, to provide supporting courses for students whose majors are in related disciplines, to provide courses for the student pursuing a liberal arts program, and to provide preparation for teaching.

The degree obtained is the Bachelor of Arts, Science and Mathematics with a major in physical science.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Physical science majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 36 semester units, exclusive of General Education, of which a minimum of 24 semester units must be upper division.
3. Complete course requirements for the supporting fields as specified in table on page 42.
4. Complete course requirements as specified for the major in the table on pages 97-98.
5. Complete a minor selected in consultation with the major adviser. A minor in mathematics is recommended.

### REQUIREMENTS FOR LIBERAL ARTS MAJOR IN PHYSICAL SCIENCE

Lower Division	Major
General chemistry and quantitative analysis, 10 units; and general physics, 8 units. (For the student who is a physical science major, 6 units are applicable to General Education.)	12
Analytic geometry and calculus, 6 units, as a supporting field, applicable to General Education.	-
<b>Upper Division</b>	
ASTR. 300. Descriptive Astronomy (3)	3
CHEM 327. Organic Chemistry I (4)	4
CHEM 328. Organic Chemistry II (4)	4

## Physical Sciences

	<b>Major</b>
GEOL 300. Principles of Geology (3).....	3
PHSC 412. History of Physical Science (3).....	3
Choice of two of the following:	
PHYS 311. Analytical Mechanics (4)	
PHYS 322. Electromagnetism (4)	
PHYS 351. Thermodynamics (3)	
PHYS 372. Modern Physics (3).....	7-8
	—
Total Units.....	36-37

### REQUIREMENTS FOR LIBERAL ARTS MINOR IN CHEMISTRY

The liberal arts minor in chemistry consists of 18 units, selected in consultation with the student's minor adviser, of which 8 units must be in upper division courses.

### REQUIREMENTS FOR LIBERAL ARTS MINOR IN PHYSICS

The liberal arts minor in physics consists of 14 units, selected in consultation with the student's minor adviser, of which 6 units must be in upper division courses.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN PHYSICAL SCIENCES

1. Complete requirements for liberal arts major in physical sciences.
2. See Division of Education, pages 62-74.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN CHEMISTRY OR PHYSICS

1. Complete requirements for liberal arts minor in chemistry or physics.
2. Complete electives on advisement in the above selected field of chemistry or physics to total 20 units.
3. See Division of Education, pages 62-74.

### PREPARATION FOR GRADUATE STUDY

It is recommended that the physical science major who intends to continue study on the graduate level complete a minimum of one year, or the equivalent, of college French, German or Russian. (See "Equivalents in a Foreign Language," page 78.)

## COURSE DESCRIPTIONS

### ASTRONOMY

#### **ASTR 300. Descriptive Astronomy (3) 5**

Topics in development of astronomy: solar system and stars. Lectures, observations, and field trips. (Formerly 3685) Prerequisite: Consent of instructor.

**ASTR 311. History of Astronomy (3) F**

Progress of astronomy in Europe and United States, and its impact on other sciences and philosophy. Prerequisite: ASTR 300 or consent of instructor.

**CHEMISTRY****CHEM 327. Organic Chemistry I (4) F**

Principles of organic chemistry. Aliphatic compounds. Basic techniques and synthesis. (Lecture, 3 hours; laboratory, 3 hours) (Formerly 3662-I) Prerequisite: One year of college level lecture-laboratory chemistry.

**CHEM 328. Organic Chemistry II (4) S**

Principles of organic chemistry. Aromatic and heterocyclic compounds. Basic techniques and synthesis. (Lecture, 3 hours; laboratory, 3 hours) (Formerly 3662-II) Prerequisite: CHEM 327 or consent of instructor.

**CHEM 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 4699) Prerequisite: Consent of instructor.

**GEOLOGY****GEOL 300. Principles of Geology (3) F**

Structure and materials that compose the outer portion of the earth, and geologic processes responsible for sculpturing the earth of today. Non-technical study of rocks, minerals, fossils; origin, geologic history and evolution of life on earth. (Lectures, demonstrations, and field trips) (Formerly 3681) Prerequisite: One year of science.

**GEOL 321. Descriptive Mineralogy (3) S**

Physical and chemical properties of minerals; deals with description and determination of minerals on basis of their physical properties. (Lectures, laboratory, and field trips) Prerequisite: General chemistry or equivalent.

**PHYSICAL SCIENCE****PHSC 101. Fundamentals of Physical Science I (3) F**

Science for non-physical science majors. Topics dealing with the dynamics of astronomy, meteorology and physics. (Lectures, demonstrations, and field trips) (Formerly 3631 and 3680-I)

**PHSC 102. Fundamentals of Physical Science II (3) S**

Science for non-physical science majors. Topics dealing with astronomy, chemistry and geology. (Lectures, demonstrations, and field trips) (Formerly 3631 and 3680-II)

**PHSC 412. History of Physical Science (3) S**

Development of the physical sciences from beginnings to present; influence of science upon developments of philosophy, technology, culture, and civilization. Prerequisites: Minimum of 6 units in the physical sciences, or consent of instructor.

## **Physical Sciences**

### **PHYSICS**

#### **PHYS 311. Analytical Mechanics (4) F**

Basic principles of mechanics with applications to central force and harmonic oscillator problems; study of statics and dynamics of rigid bodies. (Formerly 3674 and 3675) Prerequisites: 8 units of analytic geometry and calculus, and one year of lower division physics.

#### **PHYS 322. Electromagnetism (4) S**

Fundamental principles, their application to both direct current and alternating current circuit theory. Introduction to Maxwell's electromagnetic theory of light and radio waves. (Formerly 3676 and 3677) Prerequisites: MATH 321, and one year of general physics.

#### **PHYS 324. Electrical Measurements (2) S**

Theory and use of electrical instruments. Measurements of direct and alternating current circuits, mutual and self inductance, capacitance, magnetism and hysteresis. (Lecture, 1 hour; laboratory, 1 hour) Prerequisite: PHYS 322 or concurrent enrollment.

#### **PHYS 351. Thermodynamics (3) F**

Expansion of matter, transmission of heat, specific heat, temperature, change of state, kinetic theory, Van der Waals equation. (Formerly 3673) Prerequisite: 8 units of analytic geometry and calculus. MATH 321 is recommended.

#### **PHYS 372. Modern Physics (3) S**

The important developments in physics arising from the discovery of the electron, X-rays, and radioactivity. (Formerly 3672) Prerequisite: 8 units of analytic geometry and calculus, and one year of general physics.



## POLITICAL SCIENCE

*In the Division of Social Sciences*

Associate Professor: Don W. Driggs, Head

Professor: John E. Caswell

A Bachelor of Arts, Social Sciences is offered with an interdepartmental major in political science and one other discipline within the social sciences. The student may arrange his program to attain such objectives as: (1) a broad knowledge of political institutions and issues as the central element of a liberal arts education; (2) a basic knowledge of the techniques of government for those desiring a career in public administration or foreign service; (3) pre-professional education for the student planning to enter law school; and (4) a fundamental knowledge of political science as a preparation for teaching and/or later specialization at the graduate level.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

See Social Sciences Division, Requirements for Bachelor of Arts, page 104.

### REQUIREMENTS FOR LIBERAL ARTS MINOR IN POLITICAL SCIENCE

Fifteen units approved by the minor adviser are required, including at least 9 units in upper division courses.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS SOCIAL SCIENCES MAJOR

See Requirements for Elementary and Secondary Teaching Credential Major in Social Sciences, page 105.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN POLITICAL SCIENCE

1. Complete requirements for liberal arts minor in political science, plus additional approved electives in political science to total 20 units.
2. See Division of Education, pages 62-74.

### COURSE DESCRIPTIONS

#### **PSCI 101. Federal, State, and Local Governments** (3) F, S

American ideals and political institutions at each level of government. Passing grades in examinations on U.S. Constitution and California State and Local Governments are required for credit for this course. Meets U.S. Constitution and California State and Local Government requirements for General Education. (Formerly 3750 and 3760)

## **Political Science**

### **PSCI 301. Comparative Government (3) S**

Government and politics of France, Germany, Great Britain, and Soviet Union. (Formerly 4752) Prerequisite: Course in American government or consent of instructor.

### **PSCI 321. Ancient and Medieval Political Thought (3) F**

Historical development of political philosophy from classical period of Plato and Aristotle to seventeenth century. (Formerly 4755)

### **PSCI 322. Modern Political Thought (3) S**

Political thought from seventeenth century to present, with emphasis on such European philosophers as Hobbes, Locke, Rousseau, and Marx. (Formerly 4756) Background in European history desirable.

### **PSCI 323. American Political Thought (3) F**

Main trends of American political thinking from colonial times to present. Meets U.S. Constitution requirement for General Education. (Formerly 4751) Prerequisite: Course in American history or consent of instructor.

### **PSCI 330. Contemporary World Problems (3) F**

Background of important international political issues of nuclear age. (Formerly 4750 and 4760)

### **PSCI 351. Political Parties (3) F**

Critical analysis of the political party as a part of the process of government: party organization and activities, campaign methods, and party responsibility. Prerequisite: Course in American government or consent of instructor.

### **PSCI 403. Constitutional Law (3) F**

Interpretation of the Constitution by Supreme Court; study of leading constitutional cases in American history. Meets U.S. Constitution requirements for General Education. Prerequisite: Course in American government or consent of instructor.

### **PSCI 424. Communism, Fascism, and Democracy (3) S**

Comparative study of major contemporary political philosophies, with consideration of institutions through which these ideologies attempt to realize their objectives. Theory and practice. (Formerly 4759) Prerequisite: Course in American government, comparative government or consent of instructor.

### **PSCI 433. American Foreign Policy (3) S**

United States governmental machinery for conduct of American foreign relations, and analysis of twentieth century foreign policy with emphasis on post-World War II period. (Formerly 4754) Background in recent American history desirable.

### **PSCI 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 4758) Prerequisite: Consent of instructor.

## PSYCHOLOGY

*In the Division of Social Sciences*

Associate Professor: Lloyd H. Ahlem

### COURSE DESCRIPTIONS

**PSYC 311. Child Psychology (3) F**

Development of behavior patterns in children from conception to twelve years of age. (Formerly 3773) Prerequisite: General psychology or equivalent.

**PSYC 312. Psychology of Adolescence (3) S**

Characteristics prominent in the adolescent. (Formerly 3774) Prerequisite: General psychology or equivalent.

**PSYC 321. Mental Health (3) F**

Principles of mental health; mental hygiene practices in school; responsibility of home, school, and community for mental health of children and youth. (Formerly 4772) Prerequisite: General psychology or equivalent.

**PSYC 425. Counseling Theory (3) F**

Directive, non-directive, eclectic, and neo-behaviorist theories. Demonstrations of accepted practices. Reviews of published research. (Formerly PSYC 525, and 5781) Prerequisite: Consent of instructor.

**PSYC 461. Group Psychological Testing (3) F\***

Basic concepts of psychological measurement as applied in construction, evaluation, and use of group-administered tests of intelligence, aptitude, interest, and personality. (Formerly PSYC 561, and 5774) Prerequisites: MATH 160 and consent of instructor.

**PSYC 528. Advanced Counseling (3) S**

Depth counseling practices including commonly used methods of psychotherapy. Practice in techniques of counseling. (Formerly 5783) Prerequisite: PSYC 425.

**PSYC 562. Individual Psychological Testing (3) S\***

Concept of intelligence, its historical development and current theories; supervised experience in administration, scoring and interpretation of standardized intelligence tests. (Formerly 5775) Prerequisites: PSYC 461 and consent of instructor.

\* Offered alternate years.

## DIVISION OF SOCIAL SCIENCES

Associate Professor: David B. Stenzel, Chairman

Professor: John E. Caswell

The central problem basic to the various social science disciplines is the study of man in society. Study in the social sciences is pertinent to the liberal arts background for all students.

The student seeking a Bachelor of Arts, Social Sciences may select an interdepartmental major in social sciences or, upon advisement, a divisional major in social sciences. A major in the social sciences may serve as the central element of a liberal arts education, as the academic major for the teaching credential, as preparation for a variety of professions, or as preparation for specialization in graduate study.

### REQUIREMENTS FOR BACHELOR OF ARTS DEGREE

Social Science Interdepartmental majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 39 units, exclusive of General Education, in two of the following disciplines: economics, history, political science, sociology and sociology-anthropology. In fulfillment of General Education requirements 3 units in each of the social science disciplines will apply. Of the 39 units required, 24 units must be taken in one discipline (at least 18 of which must be upper division), and 15 units must be taken in another discipline (at least 9 of which must be upper division).
3. Complete a minor to be selected in consultation with the major adviser.
4. Two years of college level foreign language or the equivalent is recommended. (See "Equivalents in Foreign Language," page 78.)

Social Science Divisional majors are to:\*

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 34 units, exclusive of General Education, of which a minimum of 24 units must be upper division. Of the 34 units required, at least 12 upper division units must be in one of the following disciplines: economics, history, political science, sociology or sociology-anthropology.

\* Students will be admitted to this major program only by advisement and consent of the chairman of the Division of Social Sciences through the spring 1965 registration period.

3. Two years of college level foreign language or the equivalent is recommended. (See "Equivalents in Foreign Language," page 78.)

**REQUIREMENTS FOR LIBERAL ARTS MINOR IN SOCIAL SCIENCES**

A divisional minor in social sciences is not offered. For requirements for minors in the social sciences, see sections of this catalog pertaining to economics, history, political science, and sociology-anthropology.

**REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN SOCIAL SCIENCES**

1. For students seeking the General Elementary teaching credential, the Inter-Departmental Major in social sciences is recommended. (See page 104 and Division of Education, pages 62-74.)
2. For students seeking the General Secondary teaching credential, the major in history is recommended. (See page 83.)
3. Students seeking the General Secondary teaching credential who elect either the social science divisional or interdepartmental majors must have at least 15 upper division units in history or political science.

**COURSE DESCRIPTIONS**

**SOSC 491. Research Methods and Materials (3) F**

Foundations in bibliography and methods. Critical analysis and evaluation of sources, design of research, questionnaires and interviews, and statistical treatment. (Formerly 4792)

**SOSC 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized interdisciplinary study in the social sciences. May be repeated for a total of 6 units. (Formerly 4790) Prerequisite: Consent of instructor.

**SOSC 598. Individual Study (2-3) F, S**

For qualified graduate student in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 5790) Prerequisite: Consent of instructor.

## **SOCIOLOGY-ANTHROPOLOGY**

*In the Division of Social Sciences*

Assistant Professor: Robert N. Davidson, Head

A Bachelor of Arts, Social Sciences is offered with an interdepartmental major in sociology, or sociology-anthropology and one other discipline within the social sciences. The student may arrange his programs to attain background for professional roles in social welfare services, correctional institutions, mental health services and institutions, probation and parole work, and for graduate study.

### **REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE**

See Social Sciences Division, Requirements for Bachelor of Arts, page 104.

### **REQUIREMENTS FOR LIBERAL ARTS MINOR IN SOCIOLOGY-ANTHROPOLOGY**

Fifteen units approved by the minor adviser are required, including at least 9 units in upper division courses. The minor will be in sociology if courses in anthropology are not included.

### **REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN SOCIAL SCIENCES**

See Requirements for Elementary and Secondary Teaching Credential Major in Social Sciences, page 105.

### **REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN SOCIOLOGY**

1. Complete requirements for liberal arts minor in sociology or sociology-anthropology, plus additional approved electives to total 20 units in sociology.
2. See Division of Education, pages 62-74.

### **COURSE DESCRIPTIONS ANTHROPOLOGY**

#### **ANTH 321. Indians of California (3) F**

Origin and relationships of native-tribal divisions, art, customs, industry, and beliefs. (Formerly 3793)

## Sociology-Anthropology

### **ANTH 322. Indians of the Plains (3) S**

Social organization, supernaturalism, and material culture of American Plains cultural area; Comparative analysis of certain primitive groups with modern society. (Formerly 4795)

### **ANTH 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. Prerequisite: Consent of instructor.

## **SOCIOLOGY**

### **SOCL 201. Introduction to Sociology (3) F**

Characteristics of social life, the processes of social interaction, and the tools of sociological investigation. (Formerly 3780)

### **SOCL 311. Collective Behavior (3) F**

Basic forms of collective behavior in terms of their institutional and sociological consequences. Emphasis on personal and social significances of mass society. Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 312. Contemporary Social Problems (3) S**

Sociology of deviate behavior and social disorganization. The diagnosis and treatment of problems arising from social and cultural disorganization. Race relations, crime, old age, industrial conflict, drug addiction, and world population crisis. Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 313. Sociology of the Family (3) F**

Systematic and comparative analysis of family structure in both contemporary and primitive cultures; influence of family on personality. (Formerly 4783) Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 316. Industrial Sociology (3) S**

Industrialization in Western and non-Western societies; social organization of work; internal dynamics of the work plant as a social system; and labor-management-relations in various settings. (Formerly 4781) Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 341. Rural and Urban Societies (3) F**

Contrast of traditionally rural and urban societies, particularly in the United States; current trend toward the dispersion to suburbia. (Formerly 4784) Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 342. Population Problems (3) S**

United States and present world situation; pressure areas, conflicts, birth and death trends. Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 422. Social Welfare and Correctional Work (3) S**

Organization, concepts, and methods used by private and public agencies, with emphasis on social welfare, probation, and corrections at both state and local level. (Formerly 4782 and 4785) Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 424. Sociology of Crime and Delinquency (3) S**

Social factors in criminal and delinquent behavior; regional, cultural, institutional, and group variables; personal and group alienation; social psychological conditions of criminality. (Formerly 4787) Prerequisite: SOCL 201 or consent of instructor.

## **Sociology-Anthropology**

### **SOCL 431. Race and Minority Group Relations (3) F**

Sociology of majority-minority relations in contemporary society, especially American. Attention to specific ethnic, religious, and racial minorities in terms of prejudice and discrimination, with particular concern for minority status of the American Negro. Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 451. Culture and Personality (3) S**

Human nature in evolutionary and cross-cultural perspective. Special attention to relating theories of anthropology, psychology, and sociology to methods of studying personality in non-Western societies. Prerequisite: SOCL 201 or consent of instructor.

### **SOCL 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 4788) Prerequisite: Consent of instructor.



## SPEECH-DRAMA

*In the Division of Humanities*

Associate Professor: Max C. Norton, Head

Assistant Professor: Lamar Jackson

Speech-Drama as a liberal arts discipline embraces the theoretical and communicative aspects of the media through which human beings interact.

The general purpose of the program is to acquaint students with the role of speech in the development of meaning and language through the study of the various components of the discipline. The curriculum is therefore designed to provide the student with a broad background of the nature and function of verbal communication and the arts of oral expression.

The curriculum is designed to serve the following academic and professional functions:

1. To give support to the liberal arts program of Stanislaus State College by providing liberal arts courses essential to advanced professional work.
2. To provide specialized course offerings to augment professional programs in such fields as mass communication, public relations, law, social welfare, and business.
3. To provide specialized knowledge for teaching of speech in the elementary and secondary schools and for speech correctionists and hearing conservationists.
4. To make contributions to the cultural enrichment of the community through speech and dramatic activities.

The degree awarded is the Bachelor of Arts, Humanities with a major in speech-drama.

The department allows the student, in consultation with his major adviser, to plan a program which will suit his individual background and goals.

### REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Speech-Drama majors are to:

1. Complete the Requirements for the Bachelor of Arts Degree. (See page 42.)
2. Complete a major of not less than 32 semester units, exclusive of General Education, of which 24 semester units must be upper division.

## Speech-Drama

3. Complete course requirements as specified for the major in the table on page 110.
4. Complete a minor to be selected in consultation with the major adviser.

### REQUIREMENTS FOR LIBERAL ARTS MAJOR AND MINOR IN SPEECH-DRAMA

	Major	Minor *
<b>Lower Division</b>		
Basic courses in discussion, extemporaneous speaking, oral interpretation, theater and drama, 6 units. (For the student who is a speech-drama major, 3 units are applicable to satisfying General Education requirements.)	3	6
<b>Upper Division</b>		
Choice of one of the following on advisement:		
DRAM 320. Play Production (1), 2 units		
DRAM 421. History of the Theater (3)	2-3	--
SPCH. 300. Phonetics (3)	3	3
SPCH. 305. General Semantics (3)	3	3
Choice of one of the following on advisements:		
SPCH. 340. Oral Interpretation of Children's Literature (3)		
SPCH 341. Interpretation of Literature (3)	3	--
Choice of one of the following on advisement:		
SPCH 312. Composition (3)		
SPCH 410. Group Dynamics (3)		
SPCH 411. Modern Rhetorical Criticism (3)		
SPCH 412. Persuasive Discourse (3)		
SPCH 413. History of Rhetorical Theory (3)	3	--
SPCH 465. Language and Communication (3)	3	--
Electives on advisement †	12	3
<b>Total Units</b>	<b>32-33</b>	<b>15</b>

\* The minor will be in speech if drama courses are not included.

† This requirement may be satisfied by six units lower and six units upper division electives as approved by the major adviser.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MAJOR IN SPEECH-DRAMA

1. Complete requirements for liberal arts major in speech-drama.
2. Complete six units of approved electives in speech as postgraduate work, if student desires to qualify for single subject credential.
3. See Division of Education, pages 62-74.

### REQUIREMENTS FOR ELEMENTARY AND SECONDARY TEACHING CREDENTIALS MINOR IN SPEECH

1. Complete requirements for liberal arts minor in speech or speech-drama, plus electives on advisement to total 20 units in speech.
2. See Division of Education, pages 62-74.

### RECOMMENDATIONS FOR CREDENTIAL WITH SPECIALIZATION IN SPEECH AND HEARING HANDICAPPED

The College offers a portion of the courses required for this credential. Students interested in pursuing the credential in Speech and Hearing Handicapped are advised to complete SPCH 361, 461, 462, 463, and 464 in addition to the Requirements for Elementary and Secondary Teaching Credentials Minor in Speech. It is important that the student consult an adviser in the Speech-Drama Department for specific requirements for this credential and for advisement concerning his preparatory program of study so that it will articulate with the requirements at an institution offering this credential program.

### RECOMMENDATIONS FOR AMERICAN SPEECH AND HEARING ASSOCIATION CLINICAL CERTIFICATION

The American Speech and Hearing Association offers Clinical Certification in Speech Pathology. The College offers a portion of the courses required for this certification. It is important that the student consult an adviser in the Speech-Drama Department for specific requirements for clinical certification and for advisement concerning his preparatory program of study so that it will articulate with the requirements at an institution offering curricula leading to certification.

### CREDIT FOR SPEECH AND DRAMA ACTIVITY COURSES

A maximum of 8 units in speech and drama activity courses, with no more than 4 units in lower division, may be applied toward fulfillment of degree or credential requirements.

### COURSE DESCRIPTIONS

#### DRAMA

#### **DRAM 320. Play Production (1) F, S**

Activity course. Practice in production of historical and contemporary drama; preparation of original scripts, exploration of styles of acting, directing and staging. Production of plays for public presentation. May be repeated for a total of 4 units. (Formerly DRAM 321 and 3588)

#### **DRAM 421. History of the Theater (3) S**

Historical analysis of dramatic and theatrical activity from Ancient Greece to present-day America. (Formerly 4593) Prerequisite: DRAM 320 or equivalent.

#### SPEECH

#### **SPCH 300. Phonetics (3) F**

Analysis of general American speech with emphasis on synthesis in connected discourse. Practice and drill with international phonetic alphabet. Application of sciences of phonetics to fields of general linguistics, dialects, pronunciation in foreign languages, speech correction, and language arts. (Formerly 3590)

## **Speech-Drama**

### **SPCH 305. General Semantics (3) F**

Language and thought: practical analysis of verbal habits in human affairs. Emphasis on the formulations of General Semantics, which deal with such communication problems as conflict, confusion, prejudice; accuracy and precision in use of verbal symbols. (Formerly 3591)

### **SPCH 312. Composition (3) S**

Practice in use of advanced rhetorical techniques. Factors determining audience reaction, methods of thought development and organization in establishing a basis for understanding problems inherent in communicating with audiences of various kinds. (Formerly 3596) Prerequisite: Consent of instructor; course in speech fundamentals recommended.

### **SPCH 340. Oral Interpretation of Children's Literature (3) S**

Application of principles of oral communication to interpretation of children's literature. Types of children's literature, with emphasis on criteria for selection of literature for oral interpretation. Prerequisite: Consent of instructor; course in fundamentals of interpretation recommended.

### **SPCH 341. Interpretation of Literature (3) F**

Application of principles of oral communication as they pertain to interpretation of such literary forms as poetry, fiction and non-fiction prose, descriptive and scientific texts. (Formerly 3598) Prerequisite: Consent of instructor; course in fundamentals of interpretation recommended.

### **SPCH 361. Principles of Speech Correction (3) F**

Introduction to principles of speech correction. Emphasis on roles of teacher and clinician in identification, diagnosis, and treatment of principal disorders of speech and language. Disorders of articulation, hearing, and stuttering; delayed language and speech development. Guided observations. (Formerly 3584)

### **SPCH 364. Speech Science (2) S**

Anatomical and physiological characteristics of normal speech and hearing mechanisms, and to fundamental acoustics of speech. Physiology and psychology of the speaking act. (Formerly 4588 and 5592)

### **SPCH 410. Group Dynamics (3) S**

Principles and practice of group discussion, conference development and leadership as tools in a democracy. Procedures for effecting problem solving through group interaction in education, industry and community affairs. (Formerly 4586) Prerequisite: SPCH 312 or equivalent.

### **SPCH 411. Modern Rhetorical Criticism (3) S**

Rhetorical criticism of significant speeches by world leaders of the twentieth century. Research techniques in rhetoric. Emphasis on content analysis and factors influencing acceptance of ideas. (Formerly 4579) Prerequisite: SPCH 305 or three units upper division in English, philosophy or communications.

### **SPCH 412. Persuasive Discourse \* (3) F**

Theory of argument: evidence, reasoning, and processes of motivation. Systematic evaluation of issues; organization and preparation of materials intended to influence group opinion and action. (Formerly 4592) Prerequisite: Consent of instructor; course in speech fundamentals recommended.

\* Offered alternate years.

**SPCH 413. History of Rhetorical Theory (3) F**

Historical development of rhetorical theory from classical to modern times. Influence of Aristotelian principles on development of rhetorical thought. Significant movements in development of rhetorical theory in France, England, and United States.

**SPCH 461. Organic Speech Pathology (2) S**

Diagnosis and treatment of speech disorders resulting from organic anomalies. Emphasis on oral deformities, cleft palate, cerebral palsy and aphasia. (Formerly 4575) Prerequisite: SPCH 361.

**SPCH 462. Non-organic Speech Pathology (2) S**

Diagnosis and treatment of speech disorders resulting from such psychogenic factors as stuttering, delayed speech, and articulation disorders. (Formerly 4576) Prerequisite: SPCH 361.

**SPCH 463. Audiometry and Hearing Conservation (3) F**

Anatomy and pathologies of hearing mechanism. Acoustics and puretone testing techniques; bases of referral and follow-up procedures. (Formerly 4598) Prerequisite: Consent of instructor.

**SPCH 464. Aural Rehabilitation and Speech Reading (3) S**

Procedures for rehabilitation of deaf and hard of hearing. Acoustical, educational, psychological and linguistic practices with aids, amplifiers, auditory training and lipreading. Practice in speech reading and auditory training in educational settings. (Formerly 4597) Prerequisite: SPCH 300 or consent of instructor.

**SPCH 465. Language and Communication (3) S**

Modern communication theories: Symbolic and communicative behavior. Process of speech and language development in children. Relationship of speech and language learning to perception and cognition, bilingualism and language change. Psycholinguistics, cybernetics, and information theory and their contributions to a general theory of language behavior. Prerequisite: SPCH 305 or consent of instructor.

**SPCH 467. Structural Linguistics and Phonetics (3) S**

Phonemic, morphemic and syntactic linguistic structures. Comparative study of the phonemic structures of principal English, Romanic and Germanic dialects. (Formerly 4596) Prerequisite: SPCH 300 or consent of instructor.

**SPCH 498. Individual Study (2-3) F, S**

For student capable of independent work and in need of advanced and specialized study. May be repeated for a total of 6 units. (Formerly 4599) Prerequisite: Consent of instructor.

## FACULTY

- Capurso, Alexander (1963) \_\_\_\_\_ President;  
 Professor of Humanities and Fine Arts  
 B.S., 1933; M.A., 1934; Ph.D., 1938, University of Kentucky; Doctor of Music  
 (*Honoris Causa*), 1957, Philadelphia Musical Academy
- Ahlem, Lloyd H. (1962) \_\_\_\_\_ Associate Professor of Psychology and Education  
 A.B., 1952, San Jose State College; M.A., 1955; Ed.D., 1962, University of Southern  
 California; Certified Psychologist, 1959, State of California
- Aubert, Edward J. (1961) \_\_\_\_\_ Associate Dean, Admissions and Records  
 B.S., 1956, University of San Francisco; M.B.A., 1961, University of California,  
 Berkeley
- \*Austin, David E. (1963) \_\_\_\_\_ Lecturer in Education  
 A.B., 1949; M.A., 1951, Eastern Washington State College; Ed.D., 1955, Colorado  
 State College
- Barrett, Thomas P. (1961) \_\_\_\_\_ Assistant Professor of Management and Marketing  
 B.A., 1954, Northeastern University; M.A., 1958, Michigan State University
- Bennett, Agnes L. (1961) \_\_\_\_\_ Librarian II  
 A.B., 1951, Luther College; A.M.L.S., 1952, University of Michigan
- Berkoben, Lawrence D. (1963) \_\_\_\_\_ Assistant Professor of English  
 B.A., 1957, Pennsylvania State University; M.A., 1958, Ohio University; Ph.D.,  
 1963, University of Washington
- Bevans, Lloyd E. (1960) \_\_\_\_\_ Professor of Education  
 A.B., 1936, Iowa State College; M.A., 1938, University of Iowa; Ed.D., 1951,  
 Stanford University
- \*Beyer, Fred C. (1963) \_\_\_\_\_ Lecturer in Education  
 B.A., 1929, Valley City Teachers College; M.A., 1937, Stanford University
- Blankenship, R. Stephen (1963) \_\_\_\_\_ Personnel Officer  
 B.A., 1962, Sacramento State College
- Bruggman, Joseph E. (1960) \_\_\_\_\_ Dean of Student Affairs;  
 Professor of Music  
 B.A., 1941, San Jose State College; M.A., 1947; Ed.D., 1949, Columbia University
- Carter, Louise G. (1960) \_\_\_\_\_ Librarian II  
 B.S., 1939, University of Minnesota
- \*Caldwell, Walter T. (1963) \_\_\_\_\_ Lecturer in Sociology  
 A.B., 1934, Nebraska State Teachers College; M.A., 1955, University of the Pacific
- Caswell, John E. (1960) \_\_\_\_\_ Professor of Social Science  
 B.A., 1934; M.A., 1937, University of Oregon; Ph.D., 1952, Stanford University
- \*Chapman, Roger W. (1960) \_\_\_\_\_ Lecturer in Education  
 B.A., 1936; M.A., 1939; Ed.D., 1951, Washington State University
- Crowley, Gerard J. (1960) \_\_\_\_\_ Executive Dean;  
 Professor of Management  
 A.B., 1942, Loyola College; Ed.M., 1951, Boston University

\* Part-time.

- Cunha, Clifford C. (1961).....Associate Professor of Music  
A.B., 1939, San Jose State College; M.A., 1950, Stanford University
- Davidson, Robert N. (1961).....Assistant Professor of Sociology  
A.B., 1950, San Jose State College; M.A., 1952, Stanford University
- Doyle, Raymond A. (1963).....Dean of Educational Services and Summer Session;  
Professor of Communications  
B.S., 1942, University of New Hampshire; M.A., 1955, San Francisco State College
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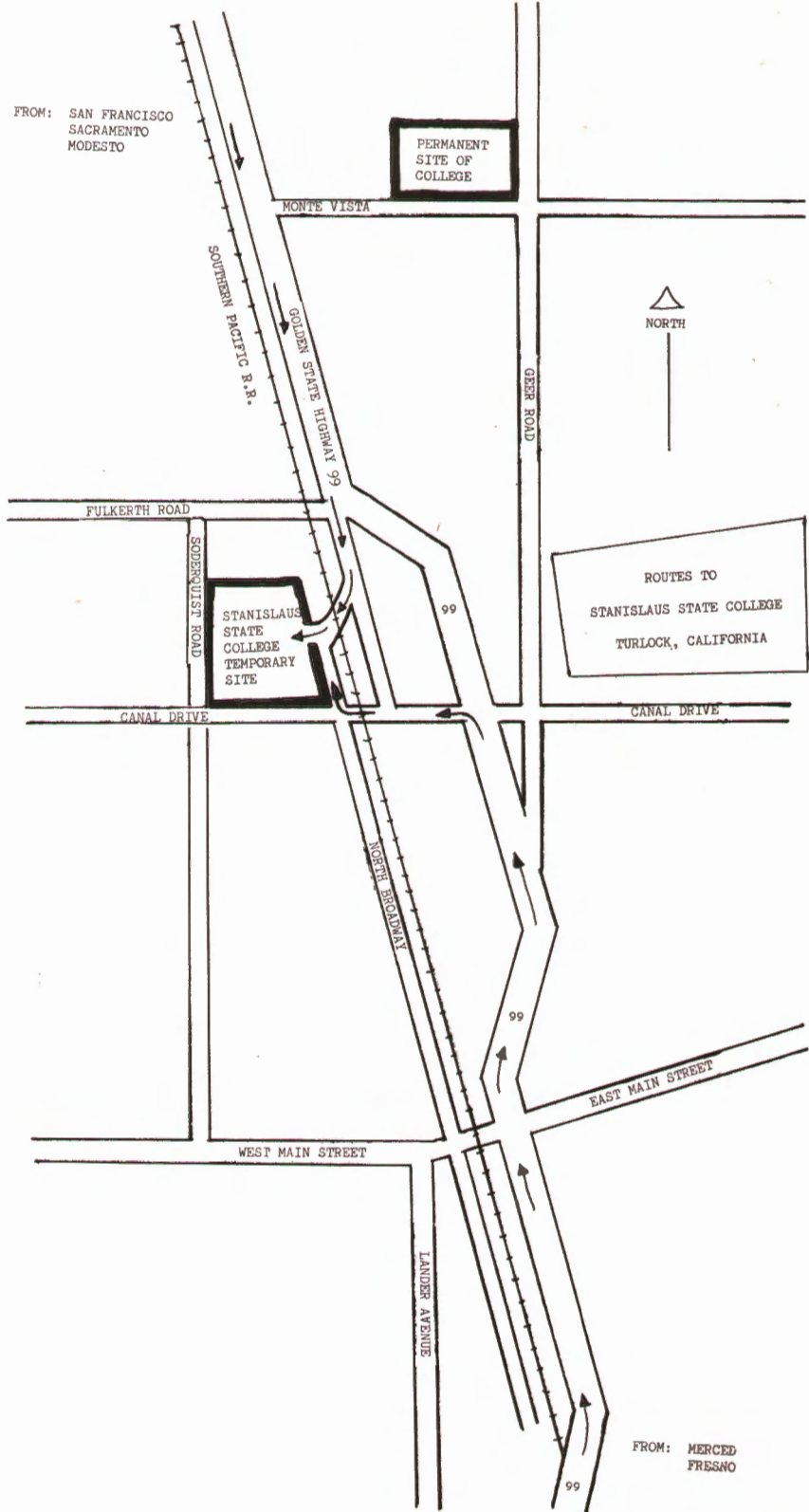
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