

UNIVERSITY SITE

LAUREL HILL CAMPUS

1964

CALIFORNIA STATE COLLEGE  
AT HAYWARD

SUMMER SESSION

## CALIFORNIA STATE COLLEGE at Hayward

### Summer 1964 Calendar

March 16-June 22 Applications for Admission are due during this period.

May 21-June 10 Academic Advisement for Summer Session

**TEN-WEEKS SESSION—June 22-August 28**

**SIX-WEEKS SESSION—June 22-July 31**

June 22 Registration, 9:00 a.m.-4:00 p.m.  
Fine Arts Building

June 23 Classes Begin

June 23 Late Registration Fee Applicable

June 24 Last Day to Add Classes

June 24 End of Late Registration

July 3 Last Day to File Application for Graduation  
(Summer)

July 3 Last Day to Drop Classes Without Grade Mark

July 4 Independence Day

July 31 End of Six-Weeks Term

August 3 Six-Weeks Grades Due in Records Office

August 28 End of Ten-Weeks Session

August 28 Ten-Weeks Grades Due in Records Office

**FOUR-WEEKS SESSION—August 3-August 28**

August 3 Registration

August 3 Classes Begin

August 4 End of Late Registration

August 4 Last Day to Add/Drop Without a Grade Mark

August 15 Last Day to File Application for Fall Quarter

August 28 End of Session

August 28 Grades Due in Records Office

(Cover Designed by Howard Slatoff)

## GENERAL INFORMATION

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Summer Sessions at California State College at Hayward are planned to help students:

- (a) Continue regular degree or credential objective through the summer quarter;
- (b) Strengthen and deepen subject matter preparation;
- (c) Improve classroom effectiveness and supervisory functions;
- (d) Meet requirements for additional credentials;
- (e) Earn graduate credit for growth and salary increments;
- (f) Broaden their cultural understanding and appreciation.

### Location of the College

California State College at Hayward has recently moved into new buildings on a beautifully landscaped site in the hills above Hayward. A vast panoramic view of the everchanging Bay, The Coast Range, and the lights of this metropolitan area provide a spectacular setting for one of California's new state colleges.

In four short years, enrollment has grown rapidly to nearly 2500 students in 1963-64. Six hundred students made up the first freshman class in the fall of 1963 while 1964 will usher in the first sophomore class to complete a four-year college.

Modern freeways lead the adventuresome summer student to broad ocean beaches, majestic redwoods, the towering Sierra Nevada mountains, through orchards, vineyards and row crops, and across famous bridges of the Bay to San Francisco. The climate in the summer is unusually cool and exhilarating. Although light wraps may be needed in the evenings, the days are pleasantly sunny.

### Accreditation

The college is fully accredited by the Western College Association, the agency authorized to accredit all universities and colleges in this area.

### Summer Session

Summer Quarter—June 22 to August 28 (15 units)

Six-Weeks Session—June 22 to July 31 (9 units)

Four-Weeks Session—August 3 to August 28 (6 units)

Entering freshmen and continuing undergraduates who wish to accelerate their preparation for the baccalaureate degree may take the equivalent of a full quarter's work (15 quarter units) by attending the 10-week summer term beginning June 22 and ending August 28. Courses needed to meet major requirements or general education requirements will be available in all sessions.

Students transferring to Cal State from junior college or from other colleges may select from a wide variety of courses those needed to meet their requirements. Transfers who wish to accelerate their preparation as elementary teachers may take the equivalent of a full quarter's load during the combined six- and four-weeks sessions.

College students "back home for the summer" will find many courses which are offered in day and evening classes that may be transferred to their college for full credit.

Teachers and other educators will find numerous challenging workshops and short features designed to provide opportunity for continued professional growth. With somewhat greater emphasis being placed upon strengthening subject-matter preparation, teachers of all levels will find courses available to meet their particular needs.

### **Who May Attend Summer Sessions**

High School graduates and all college students who may profit from courses for which they are eligible may attend Cal-State Summer Sessions. It is not necessary for summer session student to have been accepted for admission to the College. Students should understand, however, that attendance at Summer Session does not constitute *admission* to the College.

### **Admission to the College**

Those students who have not been formally admitted to Cal-State and who plan to continue at Cal-State during the regular school year should secure the necessary forms from the Dean of Admissions. Those students who have completed all requisites for admission by June 1, 1964, will receive formal acceptance for the Summer Quarter. The final date for filing an application for the Fall Quarter is August 15, 1964. All students must comply with this deadline.

### **Activities**

A wide variety of summer activities that provide fun and entertainment for all include a traditional picnic with fried chicken; an annual excursion to Candlestick Park and the San Francisco Giants; an intriguing foreign film festival; California Bookmen's exhibit; and many special cultural attractions.

### **Housing**

The Office of Student Personnel maintains lists of housing available for summer rental for students, faculty and staff of California State College at Hayward. All inquiries regarding housing should be directed to this office.

### **Veterans' Affairs**

Any questions concerning Veterans' affairs should be directed to the Admissions Office located in the Office of Student Personnel.

## **LIBRARY**

The library has a highly selective collection of nearly 100,000 volumes purchased within the past three or four years. Our periodical collection consists of 750 titles from professional literature to implement courses throughout the college. Bound volumes for many periodicals beginning with Volume I are now available for research and investigation.

## **ACADEMIC INFORMATION**

### **Advisement for New Students**

Students planning to complete degree or credential requirements at Cal-State are urged to make an appointment with an academic adviser prior to June 10. A list of faculty and their division assignments can be found in the back of this Bulletin.

### **Registration Permit**

By applying in advance, a student will be issued a permit-to-register, which grants priority in time of registration on June 22. Those without a permit, or who fail to bring their permit, may not register until after 1:00 p.m. An application form for admission is attached to this bulletin.

### **Credit**

Students may enroll for the equivalent of a regular quarter (15 units) by selecting courses offered for 10 weeks or by a combination of courses from shorter sessions.

Nine quarter units (six semester units) may be earned during the six-weeks term, plus one quarter unit of credit with approval of the Director of Summer Sessions. Six quarter units (four semester units) may be earned during the four-week term.

Quarter units are converted to semester equivalent at the rate of 3 quarter units equal 2 semester units. Students may earn one and one-half (1½) quarter units per week.

### **Auditing Classes**

Persons eligible to register in the Summer Session may audit courses upon approval of the instructor and payment of the regular registration fees. With approval, a student may audit courses in addition to the maximum credit program.

### **Change of Program**

Students may change their programs during the period provided in the calendar for adding or dropping courses. Refunds are granted upon application in the Cashier's Office, according to a schedule adopted by the Trustees of the California State Colleges. Program changes resulting in a reduction of credit will be subject to refunds as provided by this schedule.

## Grading

Letter grade marks *A*, *B*, *C* and *D* are passing grades; *F* indicates failure. Grade points are assigned on a four-point scale. *Inc.* may be issued if health or other unusual circumstances prevent the student from finishing the term.

Students will have their grades mailed to them by the Records Office approximately 10 days after the end of the session.

## CURRICULA AND DEGREES

### Baccalaureate Degrees

Art (BA)	Music (BA)
Biological Science (BS)	Physical Education (BS)
Business Administration (BS)	Physical Science (BS)
Business Education (BS)	Physics (BA, BS)
Chemistry (BA, BS)	Political Science (BA)
Economics (BA)	Psychology (BA)
Elementary Education (BS)	Recreation (BS)
English (BA)	Social Science (BA)
History (BA)	Spanish (BA)
Language Arts (BA)	Speech-Drama (BA)
Mathematics (BS)	Special Major

### Master's Degrees

The College has been given permission to grant two graduate degrees. A masters degree program in mathematics became effective in the fall of 1963 while the masters degree program in English will accept candidates in the fall of 1964. Students interested in developing graduate degrees in either of these areas should contact the division concerned for entrance requirements.

### California Standard Teaching Credentials

The college is accredited to recommend for:

General elementary credential

Courses are offered that may be applied toward satisfaction of the following California credential requirements:

General junior high school credential

General secondary credential

Elementary administration credential

Supervision credential

General pupil personnel services credential

## FEES, OTHER COSTS, REFUNDS

### Summer Session Schedule of Fees

First (Six-Weeks) Session	\$9.50 per unit
Post (Four-Weeks) Session	9.50 per unit
Student Body Fee* First Session	3.00
Post Session	1.00

There is no nonresident fee for Summer Session.

### Other Costs

A. State fee for credential	\$8.00
B. Late registration	5.00
C. Failure to meet administratively required appointment within time limit	2.00
D. Change of program after final filing date	1.00
E. Check returned for any cause	2.00
F. Items lost or broken	Cost
G. Complete transcript of record (no charge for first copy)	1.00
H. Parking (for Six Weeks)	5.00

### Refunds

Summer Session refunds are made in accordance with the following schedule as approved by the Board of Trustees:

Five-Weeks Session or Longer

Time of Withdrawal	Refund
First two days college classes are scheduled	Total fee paid minus \$9.50
Any other day of the first week	Total fee paid minus $9.50 \times 65\%$
Any day of the second week	Total fee paid minus $9.50 \times 25\%$
Three- and Four-Weeks Sessions	
First two days college classes are scheduled	Total fee paid minus \$9.50
Any other day of the first week	Total fee paid minus $9.50 \times 65\%$
Two-Weeks Session or less	No refund

\* No fee for either session if student has paid \$20 during preceding academic year.

## SUMMER SESSION COURSES

(Be Sure to Check the Schedule in this Bulletin for Time and Session)

### DIVISION OF BUSINESS AND ECONOMICS

#### BUS. 1151. PRINCIPLES OF ACCOUNTING I

An introduction to accounting analysis and practice. Four units each.

#### BUS. 3400. PRINCIPLES OF MARKETING

Organization and principal operating aspects of the system of distributing goods and services. Four units.

#### BUS. 5910. IMPROVEMENT OF INSTRUCTION IN SECRETARIAL SUBJECTS

(June 22-July 3)

Designed to meet the needs of the high school teacher of secretarial subjects for review of recent developments in shorthand theory; practice with electric typewriters and voice writing equipment; an appraisal of instructional methods including programmed and projected aids; electronic installations for individualized instruction; teaching procedures, materials, and motivating devices. Three units. 1:30-4:00 daily.

#### ECON. 2301. PRINCIPLES OF ECONOMICS I

Introduction to economic analysis and operation of the American economy. Four units each.

#### ECON. 3310. MONEY AND BANKING

Essentials of commercial and central banking. Four units.

### DIVISION OF CREATIVE ARTS

#### ART 1110. INTRODUCTION TO ART

This course is designed to help the student experience and understand the interrelationship of materials, processes and means of expression in the visual and applied arts. Required prerequisite for most art courses. 1 hr. lect., 4 hrs. act. Three units.

#### ART 3320. SEC. 1. ARTS AND CRAFTS IN THE ELEMENTARY SCHOOL

Aims, methods, and materials for children's arts and crafts, and application to elementary school art experiences. Prerequisite: Basic skills in use of arts and crafts materials. 1 hr. lecture, 4 hrs. activity. Three units.

#### ART 4230. PAINTING: WATER MEDIA

Transparent and opaque watercolor techniques; creative interpretation of structure and form in relation to line and value. Three units.

#### ART 4530. SCULPTURE

Basic techniques and processes involving clay, wood, stone, plaster, and metal. Approval of staff. 1 hr. lect., 6 hrs. lab. Three units.

#### ART 4800. THE ARTS IN CONTEMPORARY SOCIETY

A survey of the arts as they function in contemporary life with special emphasis on the fine arts and music. May be elected to fulfill creative arts requirements in general education. Four units. (Evening class.)

#### ART 4910. STUDIES IN MODERN ART

An examination of the masterworks of the expressionist and cubist painters at the turn of the century and the development of these styles into significant art movements of the 20th Century. Two units.

#### ART 5901. WORKSHOP IN ART EDUCATION

Elementary teachers, K-6, will be offered an opportunity to share in the latest developments for meeting the art needs of children through actual experiences with numerous art materials. New resources and media, curriculum guides, recent methods and techniques which encourage the creative expressions of children will be explored by the participants of the workshop. Three units. (Post session.)

#### MUSIC 1901. MUSIC FUNDAMENTALS THRU THE KEYBOARD

A course designed to aid the non-music major in developing (1) basic musicianship; including singing and rhythm skills, and ability to interpret music notation, and (2) basic piano performance skills. Open to persons without previous piano background. Especially planned for classroom teachers. Will meet the prerequisite in basic musicianship which is required prior to course work in elementary music materials or methods courses. Three units.

#### MUSIC 2111. MUSIC LISTENING

A basic course in music understanding designed for the person without formal music training; will emphasize music as a communicative art, stressing music media, periods, and styles.

#### MUSIC 3330. MUSIC IN THE ELEMENTARY SCHOOL

Aims, methods, and organization of materials for elementary classroom music with application to the adopted state music texts. Prerequisites: Music 1008 or equivalent competency as determined by Music Department. 2 hrs. lect., 2 hrs. act. Three units.

#### MUSIC 3911. CARMEL BACH FESTIVAL AND SEMINAR

A study of the music of Bach with other 18th Century composers. Travel by chartered bus to attend four concerts at the Carmel Bach Festival, July 24-26. In addition to the "Mass in B Minor" and other music by Bach, the concerts will include the "Mass in C Minor" by Mozart. Class meetings on the Cal-State campus July 21, 22, and 23, with a final class on July 27.

Mr. Glenn Glasow, Assistant professor of Music will conduct the Seminar and tour. Because enrollment is limited, advance registration will be required.

For further information about the course and for forms to reserve space Write: Director of Summer Sessions, California State College. Two units.

**MUSIC 4800. THE ARTS IN CONTEMPORARY SOCIETY**

A survey of the arts as they function in contemporary life with special emphasis on the fine arts and music. May be elected to fulfill creative arts requirement in general education. Four units.

**MUSIC 5912. MUSIC WORKSHOP FOR ELEMENTARY TEACHERS**

Designed for classroom teachers, this workshop will include participation and discussion sessions in connection with singing, rhythmics, listening, instrumental, creative and music reading activities in the classrooms. Special emphasis will be placed on the classroom listening program. July 20-31. Three units.

**MUSIC 5913. MUSIC AND THE RELATED ARTS: A WORKSHOP FOR TEACHERS**

A course designed for general classroom teachers and for special teachers of music, art, or literature at either elementary or secondary levels. Using music as a starting point, the workshop will explore the possibilities for relating music to painting, sculpture, architecture, poetry, drama, and literature. Emphasis will be upon increasing understanding and appreciation of the various art fields and acquaintance with materials and approaches which may be used in the classroom. June 22-July 3. Three units.

**SpDr 1001, 1002. ORAL AND WRITTEN EXPRESSION, I-II**

A theory and skills course covering all aspects of rhetoric, with special attention to oral communication, and work in written expression. Special emphasis is on research, organization, clarity, integrity, and delivery. Three units each term.

**SpDr 1003. FUNDAMENTALS OF SPEECH**

A general survey of the field of speech and drama, with introductory units in voice and diction, theater, interpretation, and public speaking. Prerequisite to all Speech and Drama courses. Laboratory required for students with special speech problems. Three units. (Section 2 in evening)

**SpDr 3911. ORIENTATION TO THE THEATRE**

An intensive survey of theatre history, philosophy, acting and production methods. Includes attendance to educational-professional drama performances in the area, including the Stanford Drama Festival. The dates are July 6 through July 20 involving 9 class sessions plus attendance at 4 theatre performances (Stanford-San Francisco). Three units.

**SpDr 4180. REHEARSAL AND PERFORMANCE**

One-Three units.

**DIVISION OF EDUCATION****ED. 3010. PRINCIPLES, SCOPE AND FUNCTION OF EDUCATION**

The modern public elementary and secondary school as a community agency; history and development; objectives, operation, scope, and functions. Three units. (Post Session)

**ED. 3020. CHILD GROWTH AND DEVELOPMENT**

Human growth and development; psychology of child and youth with emphasis on school-related problems. (Must include registration in Ed.3060.) Three units.

**ED. 3060. PUBLIC SCHOOL LABORATORY I**

Supervised public school laboratory experience, 3 hours. One unit.

**ED. 3100. EDUCATIONAL PSYCHOLOGY**

Research and theory in the teaching-learning process; application to school practices; mental hygiene; individual differences in school behavior. Teacher-pupil relationships. Prerequisite: basic psychology, Ed.3000 series, concurrent registration in Ed.3161. Three units.

**ED. 3161. PUBLIC SCHOOL LABORATORY II**

Supervised public school laboratory experience, 6 hours. Two units.

**ED. 4100. SEC. 1—EVALUATION IN EDUCATION**

Principles, techniques, and current practices of evaluation in school; relationships to curriculum; current practices in tests and measurements; 3 hrs. lecture, 3 hrs. lab. Prerequisite: Ed. 3100 or equivalent. Four units.

**ED. 4251. AUDIO-VISUAL METHODS AND MATERIALS**

Selection, utilization and evaluation of audio-visual methods and materials in the teaching-learning process; operation of audio-visual equipment. (Fulfills credential requirement. No credit for students with prior audio-visual course.) Three units.

**ED. 4252. PREPARATION OF INSTRUCTIONAL MATERIALS**

Laboratory experience in preparing a variety of visual materials. Techniques of illustration, lettering, mounting, coloring, and duplicating graphic materials used to produce pictures, maps, charts, posters, slides, and displays. Prerequisite: Course in A/V or consent of instructor. Three units.

**ED. 4500. SECONDARY EDUCATION: CURRICULUM, COUNSELING AND GUIDANCE**

Scope and sequence of secondary school curriculum; audio-visual equipment operation and material presentation; counseling and guidance; use of cumulative folder; roles of the teacher, student, parent, administrator, supervisor, and counselor. Prerequisite: Scope and Function, Child Growth and Development, Educational Psychology or equivalent. Five units.

**NOTE:** This course is designed specifically for candidates eligible for the old general secondary credential and who are not eligible for the new (Fisher Bill) credential. Students who have been approved by the college to finish the old special secondary credentials are eligible for this course, as are in-service teachers and others who have fulfilled the student teaching requirement and who are pursuing the old general secondary credential. The college will not offer Educ. 4500 beyond the summer session of 1964.

**ED. 4560. PUBLIC SCHOOL LABORATORY (SECONDARY)**

Supervised public school laboratory experience, 3 hrs. One unit.

**ED. 5010. CONTEMPORARY AMERICAN EDUCATION**

A critical analysis of relationships between major social and historical developments and American education, emphasizing goals, purposes, scope and functioning of elementary and secondary education. (Meets credential requirements in principles of education.) Prerequisite: ED.3020, and Ed.3060, or permission of instructor. Four units.

**ED. 5020. PSYCHOLOGICAL FOUNDATIONS OF EDUCATION I**

Problems of adolescence as reflected in and influenced by the school-community and society at large; counseling and guidance of secondary school students; analysis of current practices in evaluation useful to the teacher and to the school's pupil personnel services.

This course is designed for students entering the secondary credential program under the requirements as specified in the Fisher Bill. May be taken by in-service teachers who have fulfilled the student teaching requirement and who are seeking the new secondary credential. Three units.

**ED. 5021. EDUCATION AND PSYCHOLOGY OF THE EXCEPTIONAL CHILD**

Characteristics of children who deviate physically, mentally, socially or psychologically from normal children. Methods of identification and suggested educational adjustments. Prerequisite: Teaching credential or consent of instructor. Three units. (Post Session)

**ED. 5069. HOME AND SCHOOL**

Dynamics of family, pupil-teacher, teacher-parent, and pupil-pupil relationships including methods and materials of family counseling, working with parent groups, parent conferences, home visits and problems of home and school. Prerequisite: Teaching credential or consent of instructor. Three units.

**ED. 5210. LANGUAGE ARTS WORKSHOP (June 22-July 3)**

This course is designed to help the elementary school teacher improve instruction in listening, speaking, reading in the content areas, composition, spelling, and handwriting. Special emphasis will be placed on techniques which aid the teacher in developing critical thinking in students. Offered in Central Contra Costa County.

9:00-12:00 daily; 3 units.

**ED. 5641. SCHOOL AND CHILD WELFARE**

Application of federal, state, and local laws relating to education, employment, health and welfare of school-age children. Problems of child welfare and attendance. Prerequisite: Teaching credential or consent of instructor. Three units.

**ED. 5700. TEACHING THE GIFTED**

Problems of curriculum, teaching-learning, and patterns of administration and organization of school programs for the gifted. Emphasis on methods, materials, and resources. Prerequisites: Teaching experience, or consent of instructor. Three units.

**ED. 5750. PUPIL PERSONNEL WORK**

Basic services included in public school pupil personnel programs. Philosophy rationale, and basic concepts underlying such services are developed as background for study of procedures, techniques, and materials employed by teachers, counselors, and others in providing guidance and related psychologically oriented personnel services. Prerequisite: Teaching experience or consent of instructor. Four units.

**ED. 5910. SOCIAL SCIENCE WORKSHOP: CONCEPTS IN THE NEW K-12 FRAMEWORK**

Analysis of the new State curriculum in social science; building a conceptual approach to course of study including concepts of process, culture, technology, and institutional adjustment.

June 22 to July 17. Five units.

**ED. 5911. WORKSHOP—IMPROVEMENT OF READING IN ELEMENTARY SCHOOL (June 22-July 3)**

This workshop will be concerned with reading programs that will provide for individual and group differences and with building effective methods and materials for classroom use. It will include analysis of: (1) Materials and techniques for beginning reading, (2) Pupil reading needs, (3) Phonics, (4) Pupil team learning of word skills, spelling and vocabulary, (5) Comprehension and recall in oral and silent reading, (6) Thinking abilities and study skills.

Activities of the workshop will include lectures, demonstrations, production of materials and plans for classroom use; exhibits and group discussions. Three units. Daily 1:00-3:45 p.m.

**ED. 5911. ANALYSIS AND CORRECTION OF READING DIFFICULTIES AND LABORATORY IN REMEDIAL READING (July 6-31). Prerequisite: Improvement of Reading and Consent of Instructor**

The laboratory will provide remedial instruction for children with reading difficulties and daily practice in tutoring in clinical situation for thirty teachers who will use materials and techniques adjusted to individual differences. Each teacher will work with one child, tutoring for one hour and leading group remedial activities for one hour daily. The lecture and seminar period will provide workshop members with theory, plans, materials, and practical application of techniques and materials. Six units. Daily—Clinic 9:30-11:30; Seminar, 12:30-2:30. Enrollment limited.

**ED. 5911. WORKSHOP—TEAM TEACHING (July 27-30)**

A workshop for the secondary school classroom teacher which will explore and develop promising procedures in team teaching. The participants will investigate current practices in the more effective utilization of the professional staff; principles of group work and group leadership basic to team teaching; the use of teaching resources and learning aids; methods suitable to the co-operative planning and implementation of curriculum. One unit. 7:00-9:30 p.m.

**ED. 5912. DEMONSTRATION AND METHODOLOGY OF TEACHING READING AND STUDY SKILLS IN THE SECONDARY SCHOOL (June 22-July 17)**

Designed for all junior and senior high school teachers of all subjects.

A special seminar and demonstration class designed for all junior and senior high school teachers of all subjects who wish to consider how they may help pupils improve their reading and study habits. Discussions and demonstrations of specific practices found effective in remedial and developmental reading as well as methods of teaching reading skills in the various content areas of the secondary school. The course includes lectures on the causes of reading difficulties, how to administer diagnostic tests, informal and standardized. A demonstration class will provide for practical application of methods and materials developed for secondary students who need help in reading. Six units. Clinic 1:30-2:30; Seminar 2:45-4:00.

**ED. 5912. WORKSHOP FOR ELEMENTARY TEACHERS: New Developments in Classroom Procedures and Materials (July 6-24)**

Study of classroom methods and procedures with regard for principles of learning and for practical application; critical analysis of materials and methods in terms of adaptation for specific classroom situations; review of research and experimentation in elementary school procedures; individual preparation of materials and procedures for classroom use. 3 units MTTh, Contra Costa County (location to be announced).

**ED. 5913. WORKSHOP—TEACHING IN CULTURALLY DIVERSE SETTING (July 6-31; Decoto Elementary Schools)**

A special workshop for teachers, principals, and elementary supervisors emphasizing problems and procedures for working with children from culturally different environments.

Workshop students will observe and participate in pre-kindergarten and primary grade classrooms of the Decoto School District from July 6 to July 31. These classes will be under the supervision of master teachers regularly employed by the Decoto School District. Prerequisites: Teaching experience. Write for application blank to reserve space in this workshop.

July 6 to July 31; 9:00-12:00 daily; 6 units.

## **DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION**

**P.E. 1010. FUNDAMENTALS OF PHYSICAL ACTIVITY**

Instruction in designated physical education activities on the beginning levels. One-half unit. Tennis; Archery; Golf.

**P.E. 3200. HEALTH AND PHYSICAL EDUCATION**

Physical education programs, health services and environment, methods and materials of instruction in the elementary school. Special emphasis on interpretation of California State program. Prerequisite: General education requirements in health and physical education. Four units.

**P.E. 4910. INSTRUCTOR'S WORKSHOP IN HOME NURSING (June 22-June 26)**

This workshop, conducted by the Oakland Chapter of the American Red Cross, is open to home economics teachers and registered nurses. It is designed to meet the needs of those planning to teach the Red Cross home nursing course. Participants will study and practice nursing fundamentals and the basic skills of teaching nursing care. Two units.

Advance registration is necessary. Please request forms to reserve space in the workshop. June 22-26, 9:00 a.m. to 4:00 p.m. daily at the new chapter office: 2111 East 14th Street, Oakland.

**P.E. 5902. WORKSHOP—WEIGHT TRAINING AND CONDITIONING (July 27-August 7)**

The weight training workshop will include lectures and demonstrations in the following areas: anatomy, physiology and kinesiology of muscle; effect of weight training on the human body and on the individual; weight training terms and exercises; types of weight training programs including weight training for athletics; functional isometric program and the competitive weight lifting program. Recent research in weight training methods and programs will be studied. Three units.

**P.E. 5912. WORKSHOP—PHYSICAL EDUCATION FOR THE ELEMENTARY CLASS-ROOM TEACHER (August 10-21)**

The elementary classroom teacher will have an unusual opportunity to study all aspects of the "movement-centered program" of physical education for the elementary school student. Methods of teaching and evaluating skill progress; the use of lead-up team games; patterns of organization for activities; limited area activities; leisure time activities and the values of physical fitness activities. Three units.

## **DEPARTMENT OF COUNSELING AND PUPIL PERSONNEL**

**COUN. 5670. ORGANIZATION AND ADMINISTRATION OF PUPIL PERSONNEL SERVICES**

A comprehensive study of pupil personnel services including community resources. Emphasis on the organization, administration, and evaluation of school services that further personal, educational and vocational goals of pupils. Prerequisite: Teacher Credential or consent of instructor. Four units. (Post Session)

**COUN. 6750. COUNSELING THEORY**

Theory and techniques of counseling students. Use of relevant environmental and individual data in facilitating personal decisions and the development of sound educational and vocational plans. Prerequisites: Ed. 5750, Ed. 6710, Ed. 6901. Four units.

**COUN. 6760. FIELD WORK IN PUPIL PERSONNEL SERVICES**

Supervised field work in pupil personnel services in organized program for the various specializations for the pupil personnel services credential. Prerequisite: Approval of department. Lab., 9 hrs. Three units.

**COUN. 6901. APPRAISAL PROCEDURES**

Interpretation and use of standardized tests commonly used in the counseling process. Prerequisites: Ed. 4100, Ed. 5750. Four units.

**COUN. 6902. GROUP THEORY AND PROCEDURES**

Principles of group dynamics and group processes as applied to counseling groups organized for facilitating academic, vocational, or personal growth. Study of selected special group activities. Prerequisite: Course in counseling. Four units. (Post Session)

## DEPARTMENT OF SUPERVISION AND SCHOOL ADMINISTRATION

### SAS. 5600. SCHOOL ADMINISTRATION—FEDERAL, STATE, COUNTY, LOCAL

Relationship of local school district to county, state, and federal agencies. Legal, fiscal, organizational, and administrative bases. Leadership and the several publics. Personnel dynamics. Phenomenon of growth. (Meets credential requirements in administration.) Prerequisites: teaching experience, regular credential, consent of instructor. Four units. (Evening.)

### SAS. 5640. LEGAL ASPECTS OF EDUCATION

Consideration of the legal bases of federal, state, county and local administrative levels. Major legal provisions of the California Education Code and related sources respecting the administration of public schools. (Meets credential requirements for administration and supervision.) Prerequisite: Consent of instructor. Four units. (Evening.)

### SAS. 5900. WORKSHOPS FOR SCHOOL ADMINISTRATORS AND SUPERVISORS: PROFESSIONAL GROWTH OF THE SCHOOL LEADER (June 22-July 10)

This workshop is designed to assist the school leader in "Operation Bootstrap", i.e., lifting himself to greater understandings and increased effectiveness through study of such topics as: Sensitivity and Group Dynamics; Decision making processes; Curriculum improvement; Personnel administration and ethics; Appraisal of classroom teaching, etc.

Sponsored by the Bay Section, California Elementary School Administrators Association, and California State College at Hayward. Five units. 8:30-12:00 a.m.

### SAS. 6100. ADVANCED SCHOOL CURRICULUM

Organization of curriculum development programs; technical aspects of preparing curricula; review of pertinent research; evaluation of curriculum programs. Aspects of school housing, law, and public relations. (Meets credential requirements for supervision and administration.) For school curriculum personnel. Prerequisites: Teaching experience, regular credential. Ed. 5200 or consent of instructor. Four units.

### SAS. 6520. PUBLIC SCHOOL SUPERVISION

Basic principles and techniques of public elementary and secondary school supervision and coordination; related aspects of curriculum development and teaching-learning process. (Meets credential requirements for supervision and administration.) Prerequisite: teaching experience, regular credential, baccalaureate degree. Four units.

## DIVISION OF HUMANITIES

### ENG. 1001. EXPOSITORY WRITING

The theory and practice of expository writing. Three units.

### ENG. 1002. EXPOSITION AND RHETORIC

The theory and practice of expository writing. Three units.

### ENG. 2700. WORLD LITERATURE I

Selected writings from the great cultures of the world from ancient times through the Middle Ages. Four units.

### ENG. 3250. INTRODUCTION TO SHAKESPEARE

Techniques and conventions of the Elizabethan theater; Shakespeare's comedies, histories and tragedies. Four units.

### SPAN. 5911. SPANISH LANGUAGE AND METHODS FOR ELEMENTARY SCHOOL TEACHERS

This workshop in Spanish Language and Methods is aimed at improving the instruction of Spanish in the Elementary Schools. It is designed to: Help teachers to develop a background in the Spanish language using the audio-lingual method; Provide an opportunity for teachers to observe a class of sixth-grade students, affording also actual teaching experience at that level; Develop an understanding of the new materials developed under the direction of the Bureau of Elementary Education, California State Department of Education. A modern Language Lab has been recently developed for the course. 8:00-12:00 daily plus one hour daily in the language laboratory. Nine units.

### HIST. 1001. INTRODUCTION TO EUROPEAN HISTORY

A general introduction to European History from Ancient Mediterranean times to the Renaissance. Four units.

### HIST. 3400. AMERICAN HISTORY

Political and social history of the United States from colonial times to the present. A survey of the transformation of an agrarian society into a complex industrial-urban order. Satisfies general education requirements. Four units.

### HIST. 3510. HISTORY OF CALIFORNIA

California history from early Spanish occupation to the present; emphasizing the influence of geography, natural resources, and a growing population. Meets requirement in California State and Local Government. Four units.

### HIST. 4180. EUROPE IN THE 20TH CENTURY

The transformation of traditional European institutions and values in the century of total war. Four units.

### PHIL. 1000. SYMBOLIC LOGIC

An introductory study of logic and language, methods of proof and deduction, propositional functions, quantifiers and calculus, and alternative systems and notations. Four units.

### PHIL. 3100. INTRODUCTION TO PHILOSOPHIC PROBLEMS

Representative interpretations of man's place in the universe, studied through selections from the writings of the great philosophers. Five units.

### SYMP. 3801. JUNIOR SYMPOSIUM

An interdisciplinary course in which the student examines and relates selected ideas in several disciplines. Includes lectures, readings, papers and discussions. A diagnostic examination will be administered during the quarter to assess the competency of students in the fields of biological and physical science, humanities, and social science. Prerequisite: Junior standing and basic courses in science, humanities, social sciences.

## DIVISION OF SCIENCE AND MATHEMATICS

### ASTR. 1000. DESCRIPTIVE ASTRONOMY

A nonmathematical course with emphasis on aspects of interest to the prospective or in-service teacher. Five units.

### BIOL. 1000. PRINCIPLES OF BIOLOGY

Fundamental structures and functions of living organisms, including cellular organization, nutrition, respiration and photosynthesis, control mechanisms, reproduction, heredity, and evolution. Not open to students having credit for a college course in general biology, botany or zoology. 4 hrs. lect., 3 hrs. lab. Five units.

### BOT. 3000. SURVEY OF THE PLANT KINGDOM

General biology of the major plant groups, other than bacteria, stressing the fundamentals of classification, morphology, physiology and reproduction. Prerequisite: Biol. 1000 or equivalent. Not open to majors in biology. 2 hrs. lect., 3 hrs. lab. Three units.

### CHEM. 1100. INTRODUCTION TO CHEMISTRY

An elementary course covering the fundamental principles of general chemistry. Primarily a general education course for non-science majors. Does not apply as subject credit for majors and minors in the Division of Science and Mathematics. Prerequisite: Satisfactory score on Math fundamentals tests. Five units.

### CONS. 4380. CONSERVATION OF NATURAL RESOURCES

Interrelationships of soils, water, minerals, forests, grasslands, and wildlife; applied ecology in the wise use of natural resources. Prerequisite: A basic course in biology and in physical science. Five units.

### PHY. SCI. 4910. DGS: ROCKETS, MISSILES AND SATELLITES

An introductory course in rockets, propulsion, trajectories and basic space science. July 6-July 31. Four units.

### MATH. 1110. ELEMENTS OF MATHEMATICAL LOGIC

The concept of set. Operations on sets. Relations and functions. The mathematics of declarative sentences. The nature of proof. Will meet general education requirement in mathematics. Four units.

### MATH. 3000. CONCEPTS OF MATHEMATICS

Course for students planning *not* to specialize in mathematics or the related sciences. Consideration of the postulates for number systems, arithmetic and algebra, with applications. Designed to satisfy the general education requirement in mathematics. Five units.

### MATH. 3700. INTRODUCTION TO DIGITAL COMPUTER PROGRAMMING

Study of the process of coding of problems for an automatic digital computer with some emphasis on the logical aspects. Prerequisite: One year of college mathematics or consent of instructor. Four units.

### MATH. 4021. FOUNDATION OF ELEMENTARY SCHOOL MATHEMATICS I (July 6 to July 31)

Definitions, properties, and applications of the various subsets of the set of real numbers; numeration systems; properties of and operations on sets; modular arithmetic; mathematical sentences. Prerequisite: Satisfaction of general education required in math. Four units.



JOURNALISM LABORATORY



SUMMER RECREATION



FINE ARTS BUILDING



SCIENCE BUILDING



BIOLOGY LABORATORY



LIBRARY

**MATH. ED. 4020. TEACHING MATHEMATICS IN ELEMENTARY SCHOOLS**

A study of the curriculum, teaching methods and content in elementary school mathematics. Three units.

**SCI. ED. 4020. SCIENCE IN THE ELEMENTARY SCHOOL**

Discussions, techniques, projects appropriate to the teaching of science in the elementary schools. Prerequisite: Completion of general education requirement in science. 2 hrs. lecture, 2 hrs. activity. Three units.

**DIVISION OF SOCIAL AND BEHAVIORAL SCIENCE**

**ANTHR. 2000. PRINCIPLES OF ANTHROPOLOGY**

A survey and analysis of man and culture: including archaeology, the physical distinctiveness and evolution of man, races, the influence of language upon culture, and the nature of culture. Four units.

**ANTHR. 3010. SOCIAL ANTHROPOLOGY**

Theories and schools in social anthropology; community studies, integration, functionalism, psychological aspects. Prerequisite: Anthro. 2000 or consent of instructor. Four units. (Evening class)

**ANTHR. 4100. PEOPLES OF AFRICA**

A cultural survey of the peoples of Africa south of the Sahara. Tribal divisions and relationship, customs, arts, industry, beliefs, and contemporary problems. Four units. (Evening class)

**GEOG. 2100. PRINCIPLES OF PHYSICAL GEOGRAPHY**

An analysis of the major components of the physical environment—including landforms, climate, vegetation, water resources, and soils. Four units.

**GEOG. 3000. WORLD LAND PROBLEMS**

Effect of man's intentional and unintentional modification of his physical environment; the importance of his changing attitudes toward natural resources and landscape; relation of these attitudes to soil, water and air modification and deterioration. Four units. (Post session)

**JOUR. 4700. PUBLIC OPINION AND THE MASS MEDIA**

Critical study of the influence of the mass media upon public opinion; propaganda techniques and their uses; mechanics of polling; examination of editorial policies of representative publications. Four units. (Evening class)

**JOUR. 5200. ADVISING SCHOOL PUBLICATIONS**

Methods and curricula for prospective elementary and secondary school teachers in supervising school newspaper and yearbook staffs. Study of problems of organization, finance, personnel, instruction, and promotion of school publications. Prerequisite: Consent of instructor. 3 hrs. lect., 2 hrs. lab. Four units.

**POL. SCI. 3100. AMERICAN NATIONAL, STATE AND LOCAL GOVERNMENT**

Studies of relationships of various governments in the United States; the organization, processes and problems of national, state and local government. Meets requirement in the U.S. Constitution, and in California state and local government. Four units. (Evening class-post session)

**POL. SCI. 3210. COMPARATIVE GOVERNMENT**

Analysis of comparative political systems: Dictatorships and democracies; presidential and parliamentary systems; federal and unitary: multi-party, two-party and single-party systems; individual rights and duties in varying systems. Four units.

**POL. SCI. 4711. WESTERN POLITICAL AND SOCIAL THOUGHT**

Development of political and social ideas in western thought from the Greek city-state to the 20th century; emphasis on the development of democratic concepts. Five units.

**PSYCH. 2000. GENERAL PSYCHOLOGY I**

An introduction to the scientific study of basic processes underlying human and animal behavior: sensation and perception, learning and thinking, motivation and emotion. Four units.

**PSYCH. 2010. GENERAL PSYCHOLOGY II**

A survey of method, content, and theory in the scientific study of behavior. Selected problems of psychology will be viewed in terms of the experiments by which they have been investigated. Prerequisite: Psy. 2000. Four units.

**PSYCH. 5610. PSYCHOLOGY OF PERSONALITY**

Methods and results of the scientific study of personality. Attention is given to the basic concepts of personality traits and their measurement, the developmental influences, and the problems of integration. Theories of organization, types, and methods of analysis are critically evaluated. Four units.

**SOC. 2000. INTRODUCTION TO SOCIOLOGY**

The development of culture and personality with emphasis on the impact of groups and institutions on man's social behavior. Four units.

**SOCIOL. 3430. URBAN PROBLEMS**

Nature, causes, and results of urbanization in American culture. Emphasis on social problems arising from the growth and structure of metropolitan areas. Prerequisite: Soc. 2000; 2010 or equivalent. Four units.

**SOCIOL. 3901. JUVENILE DELINQUENCY**

Nature and extent of juvenile crime in the United States; relationship of delinquency to socio-economic, racial, and nationality background; social forces in the causation of deviant behavior; study and evaluation of trends in punishment, treatment, and rehabilitation of juvenile offenders. Four units. (Evening Class)

**SOCIOL. 3902. INTRODUCTION TO POLITICAL SOCIOLOGY****SOC. SCI. 3901. TECHNOLOGY AND SOCIAL CHANGE**

The role of scientific and technical innovation as a factor in social change, and its relation to democratic thought and practice.

**SOC. SCI. 5910. SOCIAL SCIENCE WORKSHOP: CONCEPTS IN THE NEW K-12 FRAMEWORK**

Analysis of the new State curriculum in social science; building a conceptual approach to course of study including concepts of process, culture, technology, and institutional adjustment. June 22 to July 17. Five units.

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## ADMINISTRATION OF SUMMER SESSIONS

Forrest L. Mayer, Associate Dean of Instruction	Director of Six Weeks Session
William G. Vandenburgh, Chairman Dept. of Health and Physical Education	Director of Four Weeks Session

## FACULTY OF THE SUMMER SESSIONS

Bardellini, Justin M.	Assistant Professor of Mathematics
Barrett G. Harold	Assistant Professor of Speech and Drama
Black, James M.	Assistant Professor of Art
Brock, Phyllis	Assistant Professor of Physical Education
Brown, Dr. Donald J.	Assistant Professor of Education
Bryant, Dr. Jerry	Assistant Professor of English
Burnett, Dr. Lewie	Professor of Education
Cambus, John	Assistant Professor of Speech and Drama
Carter, Ernest J.	Assistant Professor of English
Carter, Robert M.	Assistant Professor of Sociology
Comer, Dr. James L.	Associate Professor of Physical Education
Cory, Norman R.	Assistant Professor of Music
Davies, Dr. Gordon F.	Associate Professor of Education
Davis, John	Assistant Professor of Art
Elliott, Hugh R.	Assistant Professor of Business and Economics
Forbes, Robert L.	Assistant Professor of Social Science
Freitag, Dr. Otto	Professor of Political Science
Glasow, Glenn L.	Assistant Professor of Music
Gothberg, Dr. John	Assistant Professor of Journalism
Grillos, Dr. Steve	Associate Professor of Biological Science
Guthrie, Dr. Andrew	Professor of Physics
Ham, Dr. Edward B.	Professor of Foreign Language
Hendrickson, Dr. Dale	Assistant Professor of Education
Marsh, Dr. Jack N.	Professor of Education
Mathews, Alfred R.	Assistant Professor of Physical Education
Martin, Margery	Assistant Professor of Physical Education
McHugh, Dr. Walter	Associate Professor of Education
Merrifield, Dr. Charles W.	Head, Division of Social Behavioral Sciences
Ovalle, Joseph F.	Professor of Social Science
Palmer, Harold O.	Instructor of Foreign Language
Peters, Dr. Jon S.	Assistant Professor of Mathematics
Petersen, Dr. Phillip	Professor of Education
Peterson, Dr. George	Assistant Professor of Foreign Language
Peterson, Dr. P. Victor	Assistant Professor of Biological Science
Purdy, C. Richard	Head, Division of Science and Mathematics
Randall, Arne W.	Professor of Science
Rosenbaum, Dr. Morton	Professor of Mathematics
	Professor of Art
	Professor of English

Salera, Dr. Virgil	Head, Division of Business and Economics
	Professor of Economics
Schrader, Luana	Assistant in Mathematics
Segal, Morley	Assistant Professor of Social Science
Shriner, Dr. William C.	Professor of Education
Soldahl, Dr. Thomas	Associate Professor of Education
Spencer, James E.	Assistant Professor of Education
Strong, Dr. Donald	Associate Professor of Psychology
Vandenburgh, Dr. William	Chairman, Department of Health and Physical Education, Professor of Physical Education
Whelan, Harold P.	Assistant Professor of Music
Winslow, John H.	Assistant Professor of Geography
White, Dr. Robert	Professor of Education
Whitehorn, Eugene	Associate Professor of Education
Whitney, Dr. Robert C.	Associate Professor of Science
Woods, Dr. Marion	Professor of Chemistry
Zeitlin, Dr. Harry	Associate Professor of Education

## VISITING FACULTY

Catterson, Dr. Jane	Assistant Professor of Education
Cohen, Dr. Alfred	Assistant Professor of History
Hansen, Woodrow	Associate Professor of History
Hill, Carol Lee	Assistant Professor in Music
Laurie, Edward	Associate Professor of Business
McIntyre, Evelyn	Consultant in Mathematics Education
Mindel, Mathilde	Assistant Professor of Education
Nikam, N. A.	Professor of Philosophy
Roark, Marion	Instructor of Education
Schunhoff, Dr. Hugo F.	Professor of Education
Servos, Kurt	Assistant Professor of Geology
Sumner, Margaret	Instructor of Anthropology
Thompson, James M.	Professor of Business

**CALIFORNIA STATE COLLEGE AT HAYWARD**  
**SUMMER SESSION SCHEDULE—1964**

(It may be necessary to cancel courses with insufficient enrollment)

**SUMMER QUARTER—June 22 to August 28**

(These courses are designed for Freshmen interested in accelerating their college education)

Code	Dept.	No. Sec.	Title	Units	Time	Day	Room	Instructor
30 Eng	1001 1	Expository Writing		3	11:35-12:25	MWF		Carter
63 Geol	1101 1	Princ of Physical Geol, Lec		4	8:00- 8:50	MTWF	Servos	
		Lab		1	8:00- 11:00	Th	Servos	
64 Math	1110 1	Elements of Math Logic		4	9:00- 9:50	MTWF	Staff	

**REGULAR SESSION—June 22 to July 31**

(All courses are for six weeks unless shown otherwise)

**DIVISION OF BUSINESS AND ECONOMICS**

01 Bus	1151 1	Principles of Accounting I	4	6:45- 9:35 p.m.	MW	285	Kam
01 Bus	3400 1	Principles of Marketing	4	9:00-10:07	Daily	271	Elliott
01 Bus.	4910 1	DGS: Business Data Processing (July 6-July 17)	3	1:30- 4:00	Daily	286	Laurie
01 Bus	4910 1	DGS: Seminar in Stocks and Bonds for Teachers (July 27-31; Field Trip Thurs. a.m.)	1	1:30- 4:00	Daily	285	Felix
01 Bus	5910 1	Improvement of Instruction in Secretarial Subjects (June 22-July 3 <sup>1</sup> )	3	1:30- 4:00	Daily	286	Thompson
07 Econ	2301 1	Principles of Economics I	4	7:45- 8:52	Daily	271	Salera
07 Econ	3310 1	Money and Banking	4	10:20-11:27	Daily	271	Salera

**DIVISION OF CREATIVE ARTS**

10 Art	1110 1	Introduction to Art	3	10:20-12:45	Daily	168	Black
10 Art	3320 1	Arts & Crafts in Elementary School	3	8:00-10:07	Daily	186	Randall
10 Art	4230 1	Painting—Watercolor	3	1:30- 5:00	TTh	186	Randall
10 Art	4530 1	Sculpture	3	1:30- 4:30	MW	176	Black
10 Art	4800 1	The Arts in Contemporary Society	4	6:45- 9:35 p.m.	MW	S246	Randall-Whelan
10 Art	4910 1	Studies in Modern Art	2	10:20-11:15	MWF	378	Rosenbaum
14 Mus	1901 1	Music Fundamentals through the Keyboard	3	11:35-12:58	Daily	S237	Cory
14 Mus	2111 1	Music Listening	3	11:35-12:55	MWF	S246	Whelan
14 Mus	3330 1	Music in the Elementary School	3	9:00-10:07	Daily	S247	Cory
14 Mus	3911 1	Carmel Bach Festival and Seminar	2	7:00- 9:00 p.m.	S246	Glasow	
		On campus: July 21, 22, 23, 27					
		Carmel Bach Festival: July 24, 25, 26					
14 Mus	4800 1	The Arts in Contemporary Society	4	6:45- 9:35 p.m.	MW	S246	Randall-Whelan
14 Mus	5912	Music Workshop for Elementary Teachers July 20-31	3	1:30- 4:00	Daily	S247	Cory
14 Mus	5913	Music and the Related Arts: A Workshop for Teachers (June 22-July 3 <sup>1</sup> )	3	1:30- 4:00	Daily	S246	Hill
17 SpDr	1001 1	Oral and Written Expression I	3	11:35-12:25	Daily	FA378	Cambus

<sup>1</sup> Students are expected to attend class Monday, June 22.

Code	Dept.	No. Sec.	Title	Units	Time	Day	Room	Instructor
<b>DIVISION OF CREATIVE ARTS—Continued</b>								
17 SpDr	1002 1	Oral and Written Expression II	3	9:00- 9:50	Daily	FA368	Barrett	
17 SpDr	1003 1	Fundamentals of Speech	3	10:20-11:10	Daily	FA368	Barrett	
17 SpDr	1003 2	Fundamentals of Speech	3	6:45- 8:55 p.m.	MW	FA368	Staff	
17 SpDr	3911 1	Orientation to the Theatre (Class July 6 through July 20 plus 4 theatre performances)	3	6:30- 9:30 p.m.	MTWTh	FA378	Cambus	
17 SpDr	4180 1	Rehearsal and Performance	1-3	3:00- 5:00	Daily	Theatre	Cambus	
<b>DIVISION OF EDUCATION</b>								
*20 Educ	3020 1	Child Growth and Development	3	9:00-11:05	Daily	SS336	Zeitlin	
20 Educ	3060 1	Public School Lab I	1	9:00-11:05	Daily	SS307	Zeitlin	
*20 Educ	3100 1	Educational Psychology	3	9:00-11:20	Daily	Spencer	Spencer	
20 Educ	3161 1	Public School Lab II	2	9:00-11:20	Daily			
20 Educ	4100 1	Evaluation in Education	4	9:00-10:07	Daily	NS346	Davies	
20 Educ	4251 1	A/V Methods and Materials	3	7:45- 8:52	Daily	SS347	Whitehorn	
20 Educ	4252 1	Preparation of Instructional Materials	3	1:30- 4:15	MWF	SS347	Whitehorn	
20 Educ	4500 1	Secondary Education: Curriculum, Counseling and Guidance	5	7:25- 8:52	Daily	NS306	Marsh	
*20 Educ	4560 1	Public School Laboratory (Secondary)	1	arr.	arr.		Marsh	
20 Educ	5010 1	Contemporary American Education	4	7:45- 8:52	Daily		Zeitlin	
20 Educ	5020 1	Psychological Foundations of Education I	3	10:25-11:15	Daily		Marsh	
20 Educ	5069 1	Home and School	3	9:00- 9:55	Daily	SS321	Staff	
20 Educ	5641 1	School and Child Welfare	3	11:30-12:35	Daily	SS321	Staff	
20 Educ	5700 1	Teaching the Gifted	3	1:30- 3:45	TTh	Burnett	Burnett	
20 Educ	5750 1	Pupil Personnel Work	4	7:45- 8:52	Daily	White	White	
20 Educ	5910	Social Science Workshop: Concepts in New K-12 Frame-Work (June 22-July 17)	5	10:30-11:40	12:20- 1:15	268	Merrifield-Davies	
20 Educ	5911 1	Workshop—Improving Reading in Elementary School (June 22-July 3 <sup>1</sup> )	3	1:00- 3:45	Daily		McHugh	
20 Educ	5911 1	Analysis and Correction of Reading Difficulties (July 6-31)	6	9:30-11:30	Daily		Roark-McHugh	
		Clinic Seminar		12:00- 1:30	Daily			
20 Educ	5911 1	Team Teaching	1	7:00- 9:30 p.m.	MTWTh		Burnett	
20 Educ	5911	Team Teaching (July 27-30)					Catterson	
20 Educ	5912 1	Workshop—Improvement of Reading and Study Skills in Secondary School (June 22-July 17) <sup>1</sup>	6	1:30- 2:30	Daily			
		Clinic Seminar		2:45- 4:00	Daily			
20 Educ	5913 1	Workshop—Teaching in Culturally Diverse Setting (July 6-31; Decoto Elementary Schools)	6	9:00-12:00	Daily		Mindel	
27 PE	1010 1	Fundamentals of Physical Activity- ½ Tennis	1	9:00- 9:55	Daily		Brock	
27 PE	1010 2	Fundamentals of Physical Activity- ½ Tennis	1	10:20-11:15	Daily		Mathews	
27 PE	1010 3	Fundamentals of Physical Activity- ½ Archery	1	10:20-11:15	Daily		Brock	
27 PE	1010 4	Fundamentals of Physical Activity- ½ Golf	1	9:00- 9:55	Daily		Mathews	
27 PE	3200 1	Health and Physical Education	4	11:35-12:55	Daily		Brock	
27 PE	3200 2	Health and Physical Education	4	7:30- 8:50	Daily		Mathews	
27 PE	4910	Instructor's Workshop in Home Nursing—Oakland Offices—(June 22-June 26) <sup>1</sup>	2	9:00- 4:00	Daily		Unland	

<sup>1</sup> Students are expected to attend class Monday, June 22.

<sup>2</sup> Concurrent registration in Public School Lab.

<sup>3</sup> Concurrent registration in Educ. 4500 required.

Code	Dept.	No. Sec.	Title	Units	Time	Day	Room	Instructor	
<b>DIVISION OF EDUCATION—Continued</b>									
20 Couns	6750	1	Counseling Theory	4	10:15-11:22	Daily		White	
20 Couns	6760	1	Field Work in Pupil Personnel Services (Psychometry only)	3	Arr.	Daily		White	
20 Couns	6901	1	Appraisal Procedures	4	6:45- 9:35 p.m. MW		Brown		
20 SAS	5600	1	Federal, State, County and Local Admin.	4	6:45- 9:35 p.m. MW		Peters		
20 SAS	5640	1	Legal Aspects of Education	4	6:45- 9:35 p.m. TTh		Peters		
20 SAS	5900	1	Workshop for School Administrators and Supervisors (June 22-July 10) <sup>1</sup>	5	8:30-12:00	Daily	Burnett		
20 SAS	6100	1	Advanced School Curriculum	4	1:30- 2:37	Daily	Shriner		
20 SAS	6520	1	Public School Supervision	4	10:20-11:27	Daily	Shriner		
<b>CENTRAL CONTRA COSTA COUNTY—LOCATION TO BE ANNOUNCED</b>									
20 Educ	3020	1	Child Growth and Development	3	8:00- 8:55	Daily	Hendrickson		
20 Educ	3060	1	Public School Lab I	1	9:00-11:00	Daily	Hendrickson		
20 Educ	5210	1	Language Arts Workshop (June 22-July 8) <sup>1</sup>	3	9:00-12:00	Daily	Hendrickson		
20 Educ	5912	1	Workshop for Elementary Teachers: New Developments in Classroom Procedures and Materials (July 6-24)	3	7:00-10:00 p.m. MTTh		Spencer		
<b>DIVISION OF HUMANITIES</b>									
30 Eng	1091	2	Expository Writing	3	6:45- 8:55 p.m. MW		Carter		
30 Eng	1002	1	Exposition and Rhetoric	3	8:00- 8:52	Daily	Rosenbaum		
30 Eng	2700	1	World Literature I	4	9:00-10:07	Daily	Rosenbaum		
30 Eng	3250	1	Introduction to Shakespeare	4	6:45- 9:35 p.m. MW		Bryant		
37 Span	5911	1	Spanish Language and Methods for Elementary School Teachers	9	8:00-12:00	Daily	Petersen-Ovalle		
40 Hist	1001	1	Introduction to European History	4	11:30- 2:50	MWTh	Cohen		
40 Hist	3400	1	American History	4	7:40- 8:50	Daily	Hansen		
40 Hist	3510	1	History of California	4	10:20-11:27	Daily	Hansen		
40 Hist	4180	1	Europe in the 20th Century	4	6:45- 9:35 p.m. TTh		Cohen		
44 Phil	1000	1	Symbolic Logic	4	9:00-10:07	Daily	Nikam		
44 Phil	3100	1	Introduction to Philosophic Problems (July 6-31)	5	11:35-12:58	Daily	Nikam		
91 Symp	3801	1	Junior Symposium	3	6:45- 8:55 p.m. MW		Ham		
<b>DIVISION OF SCIENCE AND MATHEMATICS</b>									
60 Astr	1000	1	Descriptive Astronomy <sup>5</sup>	5	6:45- 9:25 p.m. MTTh	N220	Guthrie		
61 Biol	1000	1	Principles of Biology (lecture) (laboratory)	5	10:20-11:27	Daily	N220	Grillos	
				1:30- 4:30		MW	N407	G. Peterson	
52 Bot	3000	1	Survey of the Plant Kingdom (lecture) (laboratory)	3	8:00-10:00	MW		G. Peterson	
				7:30-10:10		TTh			
62 Chem	1100	1	Introduction to Chemistry (lecture) (laboratory)	5	8:00- 8:52	Daily	N221	Woods	
				9:00-11:00		Daily	N446	Woods	
53 Cons	4380	1	Conservation of Natural Resources	5	7:30- 8:52	Daily	N220	Peterson	
63 Ph Sc	4910	1	DGS: Rockets, Missiles and Satellites (July 6-31)	4	10:20-12:10	Daily	N221	Whitney	
56 Sci Ed	4020	1	Science in the Elementary School	3	1:30- 3:30	MWTh	N406	Grillos	
64 Math	3000	1	Concepts of Math	5	11:35-12:58	Daily	NS220	Bardellini	
64 Math	3700	1	Introduction to Digital Computer Programming	4	1:30- 2:37	Daily	SS429	Schrader	

<sup>1</sup> Students are expected to attend class Monday, June 22.

<sup>2</sup> Concurrent registration in Public School Lab.

<sup>3</sup> Courses approved to meet the upper division General Education requirement.

<sup>4</sup> Astronomy 1000 may be used to satisfy upper division General Education by upper division students only.

Code	Dept.	No. Sec.	Title	Units	Time	Day	Room	Instructor
<b>DIVISION OF SCIENCE AND MATHEMATICS—Continued</b>								
64 Math	4021	1	Foundation of Elem School Math I (July 6 to July 31)	4	8:00- 9:50	Daily	NS220	Palmer
65 MathEd	4020	1	Teaching Math in Elem Schools	3	10:20-11:10	Daily	NS220	Bardellini
	5910		Workshop and Demonstration Classes for Elem Teachers of Math (June 22-July 3)	3	8:00-12:00	Daily		Purdy, McIntyre
<b>DIVISION OF SOCIAL AND BEHAVIORAL SCIENCE</b>								
70 Anth	2000	1	Principles of Anthropology	4	7:45- 8:52	Daily	NS207	Winslow
70 Anth	3010	1	“Social Anthropology	4	6:45- 9:35 p.m. MW	Daily	NS207	Sumner
70 Anth	4100	1	“Peoples of Africa	4	6:45- 9:35 p.m. TTh	Daily	NS207	Sumner
72 Geog	2100	1	Principles of Phys Geography	4	9:00-10:07	Daily	NS207	Winslow
73 Jour	4700	1	“Public Opinion & Mass Media	4	6:45- 9:35 p.m. TTh	Daily	293	Gothberg
73 Jour	5200	1	Advising School Publications	4	1:30- 2:37	Daily	293	Gothberg
74 Po Sc	3210	1	“Comparative Government	4	9:00-10:07	Daily	260	Freitag
74 Po Sc	4711	1	“West Political & Social Thought	5	11:35-12:58	Daily	260	Freitag
76 Psyc	2000	1	General Psychology I	4	11:35-12:42	Daily	260	Staff
76 Psyc	2010	1	General Psychology II	4	10:20-11:27	Daily	260	Staff
76 Psyc	5610	1	Psychology of Personality	4	1:30- 2:37	Daily	260	Strong
77 Soc	2000	1	Introduction to Sociology	4	9:00-10:07	Daily	268	Forbes
77 Soc	3430	1	“Urban Problems	4	10:20-11:27	Daily	268	Forbes
77 Soc	3901	1	“Juvenile Delinquency	4	6:45- 9:35 p.m. TTh	Daily	260	Carter
77 Soc	3902	1	Introduction to Political Sociology	4	6:45- 9:35 p.m. MW	Daily	260	Staff
78 So Sc	3901	1	Technology and Social Change	4	9:00-10:07	Daily		Merrifield
78 So Sc	5910	1	Social Science Workshop: Concepts in New K-12 Framework (June 22-July 17)	5	10:30-11:40	Daily	268	Merrifield
					12:20- 1:15			Davies

### POST SESSION—July 31-August 28

Code	Dept.	No.	Title	Units	Time	Day	Room	Instructor
10 Art	5901		Workshop in Art Education (August 3-August 14)	3	9:00-12:25	Daily	168	Davis
20 Couns	5670		Org. and Adm. of Pupil Personnel Services	4	10:00-11:52	Daily		Brown
20 Couns	6902		Group Theory and Procedures	4	8:00- 9:20	Daily		Soldahl
20 Educ	3010		Principles, Scope and Function of Education	3				
20 Educ	5021		Education and Psychology of the Exceptional Child	3	6:40-10:00 p. m. MW			Schunhoff
27 PE	5912		Workshop—Physical Education for Elem. Classroom Teachers (August 10-21)	3	1:00- 4:00	Daily		M. Martin
27 PE	5902		Workshop—Weight Training and Conditioning (July 27-August 7)	3	6:45- 9:30 p.m. MTTh	Daily		Comer
27 PE	5912		Administration and Coaching Interscholastic Basketball (August 10-21)	3	1:30- 4:00	Daily		Vandenburg
72 Geog	3000		“World Land Problems	4	10:00-11:50	Daily	NS207	Staff
74 Po Sc	3100		American, National, State & Local Government	4	6:45- 9:45 p.m. MTTh	260		Segal

<sup>4</sup> Courses approved to meet the upper division General Education requirement.

NOTES

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**APPLICATION FOR ADMISSION  
TO SUMMER SESSIONS, 1964**

## California State College at Hayward

Print Name \_\_\_\_\_

**Mailing Address** \_\_\_\_\_

Number      Street      City      State

Have you ever enrolled in courses at/or with Cal State? Yes  No

If yes, when was the last year? \_\_\_\_\_ Last quarter? \_\_\_\_\_

Do you possess? No degree\_\_ Bachelor's degree\_\_ Masters\_\_ Other\_\_

List California Credentials you hold \_\_\_\_\_

Do you plan to enroll at Cal State in Fall 1964? Yes \_\_\_\_\_ No \_\_\_\_\_

(If checked yes, student should obtain admission form and file it prior to August 15, 1964, unless a continuing student from Spring Quarter, 1964.)

## TENTATIVE PROGRAM

Those enrolling for ten weeks may earn 15 quarter units; six weeks, 9 units; and four weeks, 6 units.

### Proposed schedule June 22 to July 31

### Proposed schedule August 3 to August 28


If this Application is received by June 1, you will receive a card which sets the hour for registering at the beginning of the Summer Session. It is understood that the applicant may change this program and that the College is not reserving a place in the courses shown. Your cooperation in completing a proposed schedule will help us plan enough class sections.

**Please complete and return to:**

**Dean of Admissions  
California State College at Hayward  
25800 Hillary Street  
Hayward, California**

## CALIFORNIA

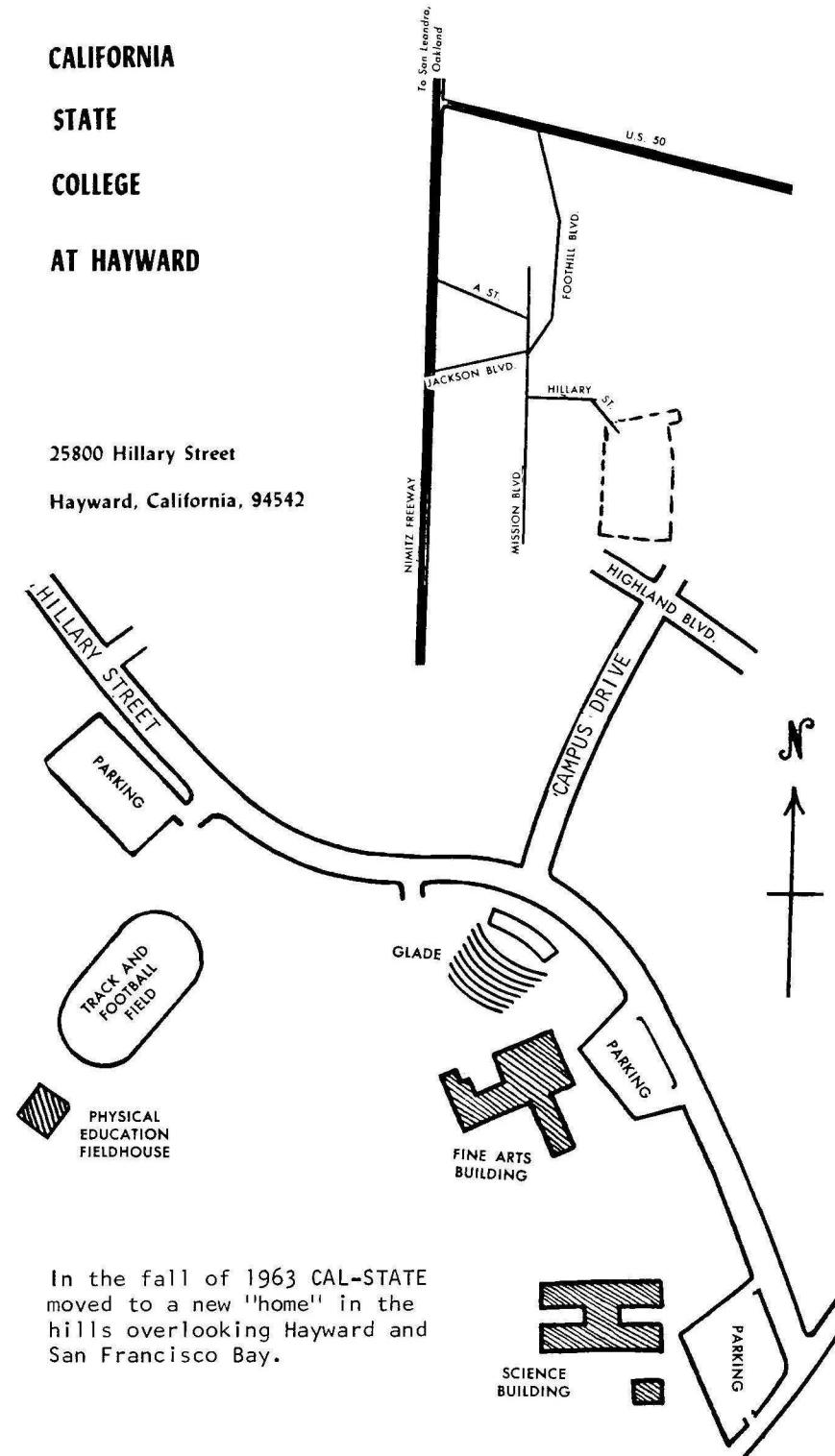
**STATE**

## COLLEGE

AT HAYWARD

25800 Hillary Street

**Hayward, California, 94542**



From: DIRECTOR, SUMMER SESSION  
California State College at Hayward  
25800 Hillary Street  
Hayward, California

To