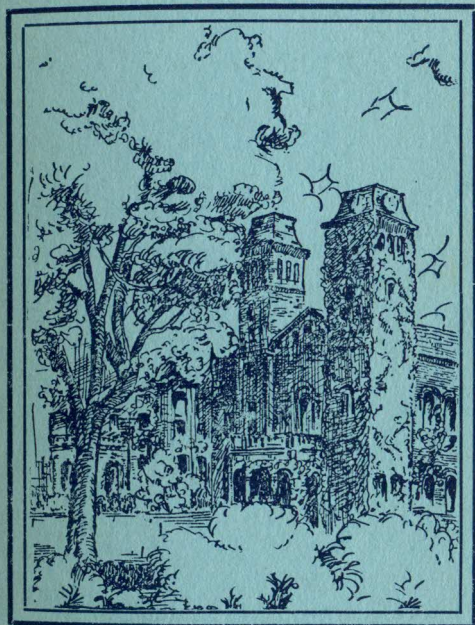


THE CALIFORNIA BULLETIN

ANNOUNCING
SUMMER SESSION
1933



INCLUDING
COURSES IN INDUSTRIAL ARTS

STATE TEACHERS COLLEGE
CALIFORNIA, PENNSYLVANIA

THE CALIFORNIA BULLETIN

Volume XLIII

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1933 Summer Session

June 19 to July 29

Registration—June 19
Classes Begin—June 20

The 1933 Summer Session will be six weeks in length. The semester hour load is limited to six credits. Courses will be offered satisfying the requirements for a degree in Education, two year Normal Certificate, Standard Certificates, and for the special field of Industrial Arts education.

STATE TEACHERS COLLEGE
CALIFORNIA, PENNSYLVANIA
ROBERT M. STEELE, PRESIDENT

Advantages of California

1. Easy to reach by automobile.
 2. Excellent railroad service.
 3. Large variety of courses offered.
 4. Faculty well trained and experienced in public schools.
 5. All classes in the forenoon.
 6. Excellent social advantages.
 7. Practical and new equipment in laboratories.
 8. Latest professional books and literature in library.
 9. Session closes in July, thus permitting a summer vacation during August.
 10. Industrial Arts courses for the modern school.
 11. Credits are transferable.
 12. A college approved by the American Association of Teachers Colleges.
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PURPOSES OF THE SUMMER SESSION

1. To enable teachers in service to renew their partial elementary certificates.
2. To permit teachers in service to secure the temporary Standard certificate.
3. To help students secure the two year Normal certificate.
4. To offer advanced work toward the completion of a degree in Education.
5. To aid students of the regular college year to make up deficiencies.
6. To complete the required work in less than the regulation time.
7. It is not the purpose to admit recent high school graduates. Students who have not previously attended a college are admitted only in September.

STANDARD CERTIFICATE

Teachers who hold a partial elementary certificate and who desire information as to the remaining courses required for the Temporary Standard certificate should write to the Teacher Bureau, Department of Public Instruction. To avoid disappointment, no other advice should be taken.

Others who do not hold a partial elementary certificate but are working for a Standard certificate can receive only a State Limited Standard. This certificate is valid for three years and is secured through the office of the Dean of Instruction.

GRADUATION

Students who desire to work toward the completion of a two year or a four year curriculum should consult with the Dean of Instruction for an evaluation of work completed. Students working toward a degree should keep in mind that the curricula were revised during the summer of 1931 and evaluations made prior to that time must be re-evaluated in the light of new requirements. These evaluations cannot be made during the ten day period immediately before or following registration day.

Students who complete the two year curriculum will be given a certificate at the close of the summer session. Students who complete the four year curriculum will be required to return in May of 1934 for graduation exercises. Students expecting to complete a curriculum should check with the Registrar to make certain that all requirements have been met.

STUDENT TEACHING

The Demonstration School will be in operation during the summer and provision will be made for a limited amount of practice teaching. This work is planned for teachers who have had satisfactory experience and who have previously attended this college. Arrangements for this work **must be made in person** with Mr. Thomas M. Gilland, the Director of the Training School, before May 20.

CURRICULA

Requirements for admission and the courses required for graduation in each curriculum may be secured by special request. A special bulletin explaining the Industrial Arts curriculum may be secured upon request.

CHOICE OF COURSES

In the selection of courses students should keep in mind their particular needs as to type of certificate, course requirements, and means of travel. In case of conflicts, they should consult the Dean of Instruction. Schedules will be made for students as requests are received provided the advance registration fee or room reservation deposit accompanies the request. Classes will be closed when the maximum enrollment for good work is reached. Courses in which there are fewer than eight students enrolled will not be given. The assignment of instructors to the various courses may be changed.

COURSES OFFERED—1933 SUMMER SESSION

ART

1. **Art I.** Required. Each elementary curriculum. Emphasis is on materials used in developing Industrial Art projects in the elementary grades. Leacock—2 credits—M. T. Th. S.—8:00-9:15 A. M.—Room S201.
2. **ART II.** Required. Each elementary curriculum. The knowledge and technique necessary to teach drawing, design, and color in the elementary grades are stressed. Leacock—1½ credits—T. W. Th. F.—9:15-10:30 A. M.—Room S201.
3. **Art III.** Required. Each elementary curriculum. This is a course in methods and exercises used to develop an adequate program in elementary art education. Leacock—2 credits—M. W. F. S.—10:30-11:45—Room S201.

EDUCATION

1. **Educational Measurements.** Required. All curricula. A study of elementary statistics, of standardized tests, and new type test-making. Neagley—2 credits
Secondary—M. T. Th. S.—8:00-9:15 A. M.—Room 205.
Rural—T. W. F. S.—9:15-10:30 A. M.—Room 205.
Elementary—M. W. Th. F.—10:30-11:45 A. M.—Room 205.
2. **Guidance.** Required. Secondary curriculum. A survey of the guidance movement including its meaning, scope, and methods. Young—2 credits—M. T. Th. F.—10:30-11:45 A. M.—Room D 101.
3. **History and Philosophy of Education.** Required. All curricula. This course shows by historical treatment of education how we arrived at our present conception and how we may develop a sane philosophy. Young—4 credits—Daily—8:00-9:30 A. M.—Room D 101.
4. **Introduction to Teaching.** Required. All curricula. This course furnishes the basic technical vocabulary and concepts for the understanding and appreciation of our educational system. Middleswarth—3 credits—Daily—9:15-10:30 A. M.—Room H 16.
5. **Problems of H. S. Education.** Required. Secondary curriculum. This course deals with the organization and problems of the Junior and Senior High School. Middleswarth—3 credits—Daily—8:00-9:15 A. M.—Room H 16.

6. **Psychology I.** Required. All curricula. General psychology with some attention given to the learning process. Wilson—3 credits—Daily—8:00-9:15 A. M.—Room H 103.
7. **Psychology II.** Required. All curricula. Special attention is given to a study of the characteristics of children at the different levels of growth. Wilson—3 credits—Daily—10:30-11:45 A. M.—Room H 103.
8. **Teaching Primary Subjects.** Required. Primary curriculum. This course includes methods and techniques for the teaching of spelling, language, social studies, and geography in the first three grades. —3 credits—Daily—9:15-10:30 A. M.—Room H 102.
9. **Teaching of Reading.** Required. Elementary curricula. This course is designed to furnish an understanding of the best methods for teaching reading. Kerstetter—3 credits—Daily—9:15-10:30 A. M.—Room S 102.
10. **Technique of Teaching.** Required. All curricula. This course is designed to bring into clear relief the technique of effective teaching. Gilland—2 credits—T. W. Th. S.—8:00-9:15 A. M.—Room D 100.
11. **Visual Education.** Required. All curricula. This course aims to acquaint each student not only of values, but with means of handling visual material in class room procedure. Kerstetter—1 credit
Elementary—T. Th. S.—8:00-9:15 A. M.—Room S 102
Secondary—M. W. F. S.—10:30-11:45 A. M.—Room S 102.

ENGLISH

1. **Children's Literature.** Required. Each elementary curricula. This course deals with the selection, interpretation, appreciation, and oral presentation of literature in the lower grades. —3 credits—Daily—9:15-10:30 A. M.—Room Clio.
2. **English Activities.** (Oral Expression). Required. All curricula. This course aims to develop pleasant and effective expression for school room use through speech correction, voice development, and ability to use the various forms of discourse. —3 credits—Daily—10:30-11:45 A. M.—Room Clio.
3. **English I.** Required. All curricula. This is an introductory college English course stressing good usage through technical study and composition writing. Pardoe—3 credits—Daily—8:00-9:15 A. M.—Room D 201.
4. **English II.** Required. All curricula. This course is a continuation of English I with added emphasis on composition. Pardoe—3 credits—Daily—10:30-11:45 A. M.—Room D 201.
5. **English III.** Required. All curricula. This course continues the habits in usage and technique begun in English I and II and is applied to practical educational problems. Hughey—3 credits—Daily—9:15-10:30 A. M.—Room 206.

6. **Literature I.** Required. All degree curricula.
This course is a survey of English and other foreign literatures to give the student the background necessary for the enrichment of his ability to appreciate literature.
Carroll—3 credits—Daily—9:15-10:30 A. M.—Room H 103.
7. **Literature II.** Required. All degree curricula.
This course is a survey of American literature with special emphasis on Pennsylvania's contribution.
—3 credits—Daily—10:30-11:45 A. M.—Room H 16.
8. **Modern Novel.** Required English elective, Secondary curriculum.
This course studies the artistry of significant novels through reading and discussion
Hughes—3 credits—Daily—10:30-11:45 A. M.—Room 206.
9. **Philology.** Required. English elective, Secondary curriculum.
This course aims to give a knowledge of and interest in current word usage through past and present trends of language development.
Keller—3 credits—Daily—8:00-9:15 A. M.—Room 116.
10. **Short Story.** English elective, Secondary curriculum.
This course includes the study of a number of short stories and the reading of others in order that ability to recognize real merit may be developed.
Keller—3 credits—Daily—9:15-10:30 A. M.—Room 116.
11. **Teaching of English.** Elementary curricula.
This course covers the teaching of reading, language and spelling in grades four, five, and six.
Carroll—3 credits—Daily—8:00-9:15 A. M.—Room H 101.

GEOGRAPHY

1. **Climatology.** Geography elective, Secondary curriculum.
This is a survey of the climatic elements together with their study of the different classifications of climates.
Harding—3 credits—10:30-11:45 A. M.—Room S 202.
2. **Physiography.** Geography elective, Secondary curriculum.
This includes a detailed study of the physical features of the earth, emphasizing man's adjustment.
Harding—3 credits—Daily—8:00-9:15 A. M.—Room S 202.
3. **Principles of Geography.** Required. Each degree curricula.
This course gives the basic fundamentals of geography along with their interpretation and appreciation. Methods of teaching geography are presented.
Grimes—3 credits—Daily—10:30-11:45 A. M.—Room S 204.
4. **Geography of the Western Hemisphere.** Required. Intermediate curriculum.
This course considers the problems of the Western Hemisphere as they are found today.
Grimes—3 credits—Daily—9:15-10:30 A. M.—Room S 202.

HANDWRITING

1. **Handwriting.** Required. All curricula.
This is a course which includes letter formation as well as the physiology and psychology of Handwriting.
Pardoe—1 credit—M. W. F.—9:15-10:30 A. M.—Room D 201.

HEALTH EDUCATION

1. **Personal Health and Nutrition.** Required. All elementary curricula.
General care of the body and personal health are stressed in this course.
Grove—3 credits—Daily—10:30-11:45 A. M.—Room H 102.
2. **Physical Education I.** Required. All curricula.
This is an orientation course where a variety of activities are given.
Steers—1 credit—M. W. F. S.—8:00-9:15 A. M.—Herron Hall.
3. **Physical Education II.** Required. All curricula.
This course will specialize in several activities chosen by the class.
Hildreth—1 credit—M. T. Th. F.—10:30-11:45 A. M.—Herron Hall.
Steers—1 credit—M. T. Th. F.—10:30-11:45 A. M.—Herron Hall.
4. **Physical Education III.** Required. All elementary curricula.
This course deals with those activities which the teacher needs for the first six grades.
Grove—1 credit—M. T. Th. F.—8:00-9:15 A. M.—H 20.
5. **Physical Education IV.** Required. All elementary curricula.
This course aims to give actual practice in conducting physical education classes for the elementary grades.
The Staff—1 credit—M. T. W. Th. F.—9:15-10:30 A. M.—Herron Hall.
6. **School and Community Hygiene.** Required. All four year curricula.
This course deals with the community health in which every school should be interested.
Hildreth—3 credits—Daily—8:00-9:15 A. M.—H 102.

INDUSTRIAL ARTS—The shops are open each afternoon for work.

1. **Shop I (Woodworking 1)**
This is the first course which deals with fundamentals of wood-working, including the use and care of bench tools, the operation of woodworking machinery, and wood finishing.
Crawford—4 credits—Daily—9:15-11:45 A. M.—Industrial Arts Bldg.
2. **Shop VI (Woodworking 2)**
This is the second course in wood which includes advanced machine work, wood turning, the operation of spray painting, finishing equipment, and the organization of instructional material.
Coover—4 credits—Daily—9:15-11:45 A. M.—Industrial Arts Bldg.
3. **Shop III (Printing 1)**
A first course in printing. Fundamentals of typography, setting straight matter and simple display jobs. Press work.
Walker—4 credits—Daily—9:15-11:45 A. M.—S 300.

4. **Shop VIII (Printing 2)**

This is an advanced course in printing.

Walker—4 credits—Daily—9:15-11:45 A. M.—S 300.

5. **Shop IV (Machine 1)**

This is the first course which deals with the fundamental machine tools and their operation including complete instructions on the engine lathe and aluminum moulding.

—4 credits—Daily—9:15-11:45 A. M.—Industrial Arts Bldg.

6. **Shop VII (Machine 2)**

This is the second course in machine which includes milling, machine planer, shaper, advanced engine lathe work, and the heat treatment of steel.

—4 credits—Daily—9:15-11:45 A. M.—Industrial Arts Bldg.

7. **Shop V (Electricity 1)**

This course deals with the fundamental principles of electricity in theory and in practice including work in bell, annunciator, burglar and fire alarms, and various types of house wiring systems.

Crawford—4 credits—Daily—9:15-11:45 A. M.—Ind. Arts Bldg.

8. **Shop VIII (Electricity 2)**

This second course includes advanced theory and practice, motors, their construction and use; DC motor and generator installation and use; AC motor and generator installation, starting and use; building and rewinding simple motors; and projects for junior high schools.

Crawford—4 credits—Daily—9:15-11:45—Industrial Arts Bldg.

9. **Drawing and Design I.**

The use of drawing instruments, orthographic projection, sectional representation, tracings, and blue print making.

Crawford—2 credits—Daily—8:00-9:15 A.M.—Industrial Arts Bldg.

10. **Drawing and Design III (Printing Design)**

This course studies the principles of design and color as applied to a printing job.

Walker—2 credits—Daily—8:00-9:15 A. M.—Room S 300.

11. **Drawing and Design IV (Machine Design)**

This course gives special emphasis to machine design, tracing, blue print making, and commercial drawing practice.

—2 credits—Daily—8:00-9:15 A. M.—Industrial Arts Bldg.

12. **Drawing and Design V (Electrical drafting)**

This course includes a complete set of drawings for bell, annunciator, burglar and fire alarms, detailed house wiring plans including materials, fixtures, labor, and meter service entrance.

Crawford—2 credits—Daily—8:00-9:15 A. M. Ind. Arts Bldg.

13. **Drawing and Design VII (Individual Instruction Sheets)**

This course deals with the organization of instructional material in graphic form for all of the general shop units; wall charts, blackboard drawing and blue-printing.

Coover—2 credits—Daily—8:00-9:15 A. M.—Industrial Arts Bldg.

MATHEMATICS

- 1. Arithmetic I.** Required. Each elementary curricula. A study of the subject matter and method of teaching arithmetic in the elementary grades. Salisbury—3 credits—Daily—10:30-11:45 A. M.—Room 111.
- 2. Calculus I.** Mathematics elective, Secondary curriculum. This is an introductory Calculus course which includes its use in the solution of problems. No college mathematics pre-requisite. Foberg—3 credits—Daily—10:30-11:45 A. M.—Room 105.
- 3. College Trigonometry.** Mathematics elective, Secondary curriculum. This course involves the fundamental functions and their use in solving problems. No college mathematics pre-requisite. Foberg—3 credits—Daily—8:00-9:15 A. M.—Room 105.
- 4. Teach. Jr. H. S. Mathematics.** Mathematics elective, Secondary curriculum. This is a course in the choice and arrangement of subject matter as well as methods of teaching. Salisbury—3 credits—Daily—9:15-10:30 A. M.—Room 111.

MUSIC

- 1. History and Appreciation of Music.** Required. All curricula. This course deals with the development, great contributors, and appreciation of various forms of music. Halstead—2 credits—M. W. F. S.—8:00-9:15 A. M.—Room 209.
- 2. Music I.** Required. All elementary curricula. Sight and rote singing, ear training, dictation, etc., as needed in the elementary school are stressed in this course. Halstead—2 credits—Daily—9:15-10:30 A. M.—Room 209.
- 3. Music II.** Required. All elementary curricula. This course is the second half of the work shown under Music I. Halstead—1½ credits—M. T. Th. F.—10:30-11:45 A. M.—Room 209

SCIENCE

- 1. Chemistry 1.** Science elective, Secondary curriculum. This is a laboratory course in general chemistry which involves the basic principles and theories of the subject,—common gases, the acidic elements and their radicals, and the carbon compounds. Sutherland—3 credits—Daily—9:55-11:45 A. M.—Rooms S 2-3.
- 2. Physics I.** Science elective, Secondary curriculum. This is a laboratory course in general physics with the subject matter taken from mechanics, heat, and sound. Sutherland—3 credits—Daily—8:00-9:50 A. M.—Rooms S 1-2.
- 3. Physiology.** Biology elective, Secondary curriculum. This is a laboratory course in which various physiological processes, contraction, respiration, digestion, and the physiology of the nervous system are stressed. Hurst—3 credits—Daily—8:00-9:15 A. M.—Room S 101-4.
- 4. Science I (Ed. Biology)** Required. All curricula. A course in which are presented the facts, principles and theories of Biology which touch and form a background for the work of the teacher. (No laboratory work). —3 credits—Daily—8:00-9:15 A. M.—Room S 103.

5. **Science III (Nature Study)** Required. All elementary curricula. A course intended to develop an appreciation of the beauties and wonders of, and give actual acquaintance with, the common forms and phenomena of biological nature. (Field and laboratory work)
3 credits—Daily—9:15-10:30 A. M.—Room S 103.
6. **Zoology I.** Required. Science Elective, Secondary curriculum. A course with laboratory presenting the principles of the subject—morphology, physiology, development, etc.
Hurst—3 credits—Daily—9:55-11:45 A. M.—Room S 101-4.

SOCIAL STUDIES

1. **Civic Education.** Required. Elementary curricula. This course stresses the types of civic education which are needed for the development of citizenship in the elementary schools.
Gilmore—3 credits—Daily—10:30-11:45 A. M.—Room 116.
2. **Economics.** Required. All degree curricula. This course stresses the modern economic problems along with the fundamental problems of production, consumption, exchange and distribution.
Edinger—3 credits—Daily—9:15-10:30 A. M.—Room 202.
3. **Educational Sociology.** Required. All curricula. An introductory course showing how the social emphasis is necessary in our educational organization as well as the educational emphasis in our social organization.
Kriner—3 credits—Daily—8:00-9:15 A. M.—Room 202.
4. **European History I.** Required. Social Studies Elective, Secondary curriculum. This course covers the European history up to 1815.
Sacco—3 credits—Daily—10:30-11:45 A. M.—Room H 101.
5. **History of Civilization.** Required. All degree curricula. This course stresses the development of institutions which have been of a liberalizing nature and considered valuable by present civilization.
Gilmore—3 credits—Daily—9:15-10:30 A. M.—Room 105.
6. **Political Science.** Social Studies elective, Secondary curriculum. This stresses the origin, development, structure, and function of various forms of government.
Edinger—3 credits—Daily—10:30-11:45 A. M.—Room 202.
7. **U. S. History I.** Required. Social Studies elective, Secondary curriculum. This course emphasizes the political history of the U. S. to 1865.
Sacco—3 credits—Daily—8:00-9:15 A. M.—Room 111.

ROOMS

A room may be reserved in advance by sending a registration deposit of \$10.00 with your first, second, and third choice of room. A room will not be reserved without a deposit. If a class schedule accompanies this deposit, course reservation will also be made. The reservation will be held until 3 o'clock on the regular Registration Day. At that time, the reservation will be withdrawn unless students notify the college by wire or phone of their intention to arrive at the college later. The deposit will not be returned unless application for return is received at least three weeks preceding the opening of the college.

LIVING OUTSIDE DORMITORIES

Women will not be permitted to room or board outside of the dormitories except in the home of parents, grandparents, brother or sister, uncle or aunt, unless special permission has been granted by the President. **ARRANGEMENTS MUST BE MADE WITH THE PRESIDENT BEFORE THE ROOMS ARE ENGAGED.** No student will be permitted to room in houses not approved by the Housing Committee. Any change of address must be approved by the Dean of Women prior to the change.

EXPENSES EFFECTIVE FOR SUMMER SESSION OF 1933

*Advance Registration Deposit.....	\$10.00
Contingent fee	(Minimum \$15) per credit \$5.00
Out-of-state student	additional \$35.00
Board, room and laundry	\$42.00
Industrial Arts fee	additional \$6.00
Degree fee (graduates of 4 year curriculum only).....	\$5.00

*This deposit will be credited to regular fees due on registration day.

A detailed statement concerning Fees, Deposits, and Repayments may be found in the regular catalogue.

Students may save considerable time on registration day by paying a \$10.00 registration fee in advance and requesting a schedule to be made out for them. **SCHEDULES WILL NOT BE MADE IN ADVANCE UNLESS SUCH FEE IS PAID.** Classes will be closed when the maximum number for good work is reached. A schedule made out in advance will guarantee a place in the class.

A student should decide as early as possible what courses are desired for the summer session.

Make checks payable to State Teachers College and send proposed schedule, registration fee, and request for room reservation to Registrar, State Teachers College, California, Pa.