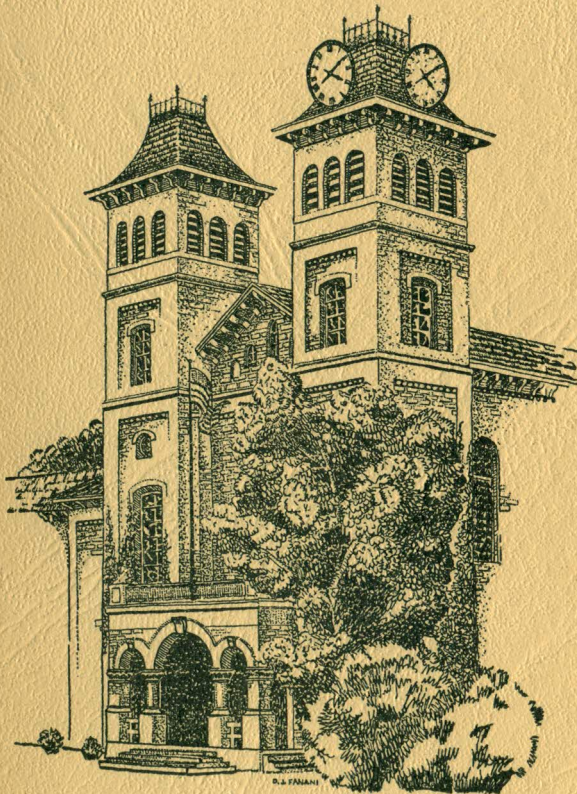


The California Bulletin

1940 Summer Sessions



State Teachers College
California, Pennsylvania

The California Bulletin

SUMMER SESSIONS NUMBER

Volume 50

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State Teachers College

This College is a member of the American Association of Teachers Colleges, and meets all standards established by the Association, one of the recognized accrediting agencies of educational institutions.



1940

Six Weeks Session - - - - June 17 to July 26

Post-Three Weeks Session - July 29 to August 16

CALIFORNIA, PENNSYLVANIA

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Summer Sessions Calendar - 1940

Commencement

Alumni Day.....	Saturday, May 25
Baccalaureate Sermon.....	Sunday, May 26
Commencement Exercises	Monday, May 27

Six Weeks Session

On the Campus

Registration.....	Monday, June 17
Classes Begin.....	Tuesday, June 18
Holiday—No Classes*.....	Thursday, July 4
Freshman Entrance Examinations.....	Monday, July 15
Classes End.....	Friday, July 26

At Camp California

Registration—At Camp.....	Monday, June 24
Classes Begin**.....	Monday, June 24
Classes End.....	Saturday, July 27

Post-Three Weeks Session

On the Campus

Registration.....	Friday, July 26 and Monday, July 29
Classes Begin.....	Monday, July 29
Classes End.....	Friday, August 16

At Camp California

Registration—At Camp.....	Friday, July 26 and Monday, July 29
Classes Begin.....	Monday, July 29
Classes End.....	Friday, August 16

Fall Semester

Freshman Orientation Period.....	Tuesday and Wednesday, September 10 and 11
Registration of Upperclassmen.....	Thursday, September 12
Classes Begin.....	Friday, September 13

* Classes will hold meetings on Saturday, July 6.
** Classes will hold meetings on all Saturdays.



The Front Campus in Summer

The beautifully landscaped front campus, part of which may be seen through the portico of North Hall, the women's dormitory, is a delightful place for Summer Session students. Study groups find the lawn chairs and benches, placed around the campus, particularly convenient, and the refreshing coolness of the many shrubs and trees most enjoyable.

Summer Sessions Staff

Administrative Officers

Robert M. Steele, Ph.D., LL.D., President of the College
 Theodore A. Siedle, Ph.D., Dean of Instruction
 Thomas M. Gilland, Ph.D., Director of the Laboratory School, Student Teaching, and Placement Service; Education
 Ella E. Bernstorff, M.A., Dean of Women; Mathematics
 Paul N. Walker, M.S., Dean of Men; Biological Science
 Lillian J. Conlon, Bursar
 Lois M. Gillis, A.B., Registrar

Faculty

Everett Alderman, Ed.D., Education
 Arthur W. Bauer, M.A., Industrial Arts
 Leonard F. Bollinger, M.A., Industrial Arts
 Henrietta Carroll, M.A., English
 Shriver L. Coover, M.A., Industrial Arts
 Sara Cornelius, M.A., Elementary Grades in the Laboratory School
 Alpha Graham, M.A., Education
 Rose Greco, B.S., Special Class in the Laboratory School
 George E. Harding, M.A., Chemistry; Geography
 George S. Hart, Ph.D., Social Studies
 Aaron J. Hoover, Ed.M., Industrial Arts
 Clair Martel Hughey, M.A., English
 Joseph H. Hurst, M.A., Science
 Isaac Clayton Keller, Ph.D., English
 Newton Kerstetter, M.A., Education
 Rose A. Leacock, M.A., Art Crafts
 Wilbur R. Lecron, Ed.D., Social Studies
 Darrel J. Mase, M.A., Speech
 Ralph W. McCoy, Ph.D., Biological Science
 Horace Montgomery, M.A., Social Studies
 Samuel M. Neagley, Ph.D., Education
 Karl F. Oerlein, Ph.D., Physical Science
 Nellie E. Pardoe, M.A., English

Elon G. Salisbury, Ph.D., Mathematics
 W. Milton Sisson, B.S., Secondary Grades in the Laboratory School
 J. Riley Staats, Ph.D., Geography
 Anthony T. Stavaski, Ed.M., Industrial Arts
 Clair B. Wilson, M.A., Education

Non-Instructional Staff

Arthur Pollock, Superintendent of Buildings and Grounds
 Dorothy K. Cleaveland, M.A., B.L.S., Librarian
 Ruth Dorsey, A.B., B.S. in L.S., Assistant Librarian
 Elizabeth Smith, B.S., Dietitian
 Harriet Ballentine, R.N., Resident Nurse
 Mary Brown, Matron
 Louise M. Ward, Manager of the Book Store

Secretarial Staff

Dorothy Gray, B.S., Secretary to the President
 Frances Plava, Secretary to the Dean of Instruction
 Sara E. Steele, Secretary to the Director of the Laboratory School
 Mary E. Hornbake, Secretary to the Bursar
 Salma S. Johnson, B.S., Assistant in the Library
 Ruth Underwood, Clerical Assistant
 Jeanne P. Smith, Clerical Assistant

Administrative Office Hours

Daily, except Saturday, 7:30 A.M. to 12:00 M.,
 and 1:00 P.M. to 4:00 P.M.
 Saturday, 7:30 A.M. to 12:00 M.

—
 Important business by appointment.

The Summer Sessions

Introductory Statement

This Bulletin is designed to acquaint prospective students with the opportunities and advantages of Summer Session study at the State Teachers College at California, situated in the beautiful and busy Monongahela Valley.

The College, now in its eighty-fifth year, serves the Tenth Teachers College District. This area comprises Fayette, Greene, Somerset, and Washington Counties.

During the year, courses in three standard four-year degree curriculums—elementary, secondary, and industrial arts—are offered to 695 full-time students and more than 270 part-time teachers in service. In the preparation of teachers of industrial arts, the College serves the entire Western half of Pennsylvania, and it has also been designated to give courses in special education and speech.

The summer schedule includes many of the basic courses of the regular curriculums, a rich and varied program in the several special fields, and a number of classes which are not usually given during the fall and spring semesters. This affords an excellent opportunity for teachers in service; regular students; and secondary school graduates, who wish to begin their college preparation, to study and, at the same time, spend an enjoyable summer. The climate is ideal; the surroundings, attractive; the living expenses, reasonable; and a friendly and wholesome atmosphere prevails on the campus.

Purposes of Summer Study

The courses of the Summer Sessions are designed for teachers and prospective teachers, and the entire summer program is keyed to meet their special needs and demands. The program is particularly designed:

1. To enable teachers in service to renew State Standard Limited and other partial certificates.
2. To offer courses in the several degree curriculums for teachers in service.
3. To give the regular College students an opportunity to make up deficiencies.

4. To make it possible for regular students in the industrial arts and secondary curriculums to become certificated in more than the two required areas of specialization.
5. To make it possible for students to complete degrees in less than four academic years.
6. To assist students in good standing who transfer temporarily or permanently from other colleges.
7. To enable teachers to extend their certificates for the teaching of special fields, particularly industrial arts, special education, and speech.
8. To give adult, special students opportunities for self-improvement.
9. To permit qualified students who are graduated from secondary schools in June to begin college work immediately, thereby shortening the time spent for a degree.

Admission to the Summer Sessions

Although no application nor filing of formal credentials for admission is required, when necessary, students may be asked to present evidence of their status. In general, the following regulations pertain to the Summer Sessions:

1. Teachers in service will be admitted without presenting any form of certification of previous education. This also applies to adults who desire to take work for self-improvement.
2. Regular College students in good standing are not required to present any form of scholastic certification, but they should be sure that the courses for which they enroll are in keeping with their needs and the requirements of the curriculums which they are pursuing. Regular students or former students who are not in good standing must obtain the approval of the President or the Dean of Instruction before they may register.
3. Students in good standing at other colleges may be admitted to the Summer Sessions without formal credentials, but they must submit a statement from the last institution attended certifying to their satisfactory scholastic status. If at the close of the summer, permanent transfer to the College is

desired, such students will be requested to have the institution last attended send to the Registrar of the College an official transcript of record containing statements of their academic status and honorable dismissal. Students who are on academic probation, or condition, and those who are not permitted to re-register in good standing at the last institution attended are not allowed to register in either of the Summer Sessions.

4. Secondary school graduates who wish to begin the work of the freshman year in the Summer Sessions should complete the regulation application forms before registration. These include a personal, physician's, and secondary school record. The latter, filled in by the secondary schools from which the applicants were graduated, should be sent directly to the College. Students, entering in this manner for the first time, will be required to take the regular freshman examinations on July 15. Complete details about entrance may be found in the Catalog Number of the Bulletin. This will be sent upon request.

Planning a Summer Program

Students, expecting to obtain their degrees from the College, who desire information about requirements and guidance in the selection of suitable courses should confer or communicate with the Dean of Instruction. This should be done well in advance of the opening of the Summer Session.

Graduation

Although students may complete the requirements of a four-year degree curriculum by the end of one of the Summer Sessions, they will not receive their degrees until the regular commencement in May, 1941, and they will be required to return for the exercises. Provisional College Certificates for which students are eligible upon the completion of degree requirements will, however, be issued by the Department of Public Instruction so that such persons may begin teaching in September.

Complete information about degree and curriculum requirements may be obtained from the Catalog.

Feature Courses in 1940

In addition to a well-balanced program of regular and required courses, special emphasis will be given in the 1940 Summer Sessions to industrial arts, nature study, special education, and speech.

The industrial arts offerings will include basic and advanced drawing and shop work and courses in architectural drafting and art metal.

Considerable emphasis will be placed on special education. Practically all the definitely required courses under present certification regulations will be offered, together with several significant electives.

Although no speech classes will be held on the campus, a complete program will be available at Camp California in the Laurel Hill Recreational Demonstration Area, near Somerset, during both summer terms.

Another attractive offering is a field course in geography, through the Middle Atlantic States, New England, the Gaspe Peninsula, and the Evangeline Country of Canada. This is planned for the post session, and will carry regular College credit.



A Typical Cabin at Camp California

The Speech and Nature Study Camp

Camp California which, by popular demand, is being made available for the fourth consecutive year has a three-fold objective: (1) corrective and retraining work for individuals who are handicapped because of stuttering, lisping, sound substitutions and omissions, voice conditions, and allied speech disorders; (2) opportunity for teachers and prospective teachers to become familiar with the out-of-doors through required and elective courses in nature study and the biological sciences; and (3) opportunity for all teachers, as well as those specializing in speech, to take required and elective courses in speech.

Facilities at Camp California

The camp forms a part of the 4,025-acre Laurel Hill Recreational Demonstration Area which is administered by the National Park Service of the United States Department of Interior. The buildings of organized Camp No. 2 have been newly constructed, and are especially designed for group camping. The central unit consists of a permanent dining hall, administration building, museum, hand-craft building, hospital, and service facilities. In the woods surrounding are located four unit camps each of which provides sleeping and recreational accommodations for 24 campers and their counselors. The campers' cabins, designed for four persons, are substantially built of wood, and are comfortable and safe. An elevation of 2,000 feet assures cool nights throughout the summer.

The recreational facilities make possible an attractive program for campers. A 70-acre lake with a private swimming area, an adequate field for soft ball and baseball, and volley ball and badminton courts are a part of the center. Fishing is permitted in nearby streams. In addition there are innumerable trails for hiking and many scenic spots for overnight camping.

Special Camp Bulletin

Courses will be offered at the camp during the Six Weeks and Post-Three Weeks Sessions. The regular camp session will extend for only five weeks, beginning June 24 and ending July 27. By having classes meet on Saturdays, however, the same credit as may be earned in the regular six weeks term on the campus is granted. The post session conforms to the campus dates. The courses given in both sessions are described in this Bulletin, and a special folder may be had upon request by writing to Professor Darrel J. Mase, who is

in charge of the speech work, or Professor Paul N. Walker, who will teach the biological science classes. Most of the courses at Camp California may be substituted for equivalent work required in any degree curriculum.

Expenses at the Camp

Expenses for study at the camp include the regular contingent fee of \$5.00 a semester hour, a camp fee of \$5.00, and board and room at \$7.00 a week. The five-week period, in which six semester hours of credit may be earned, will cost \$70. The fees for the Post-Three Weeks Session will total \$41 for new registrants and \$35 for persons who continue from the six weeks term.

Geography Field Course

The fourth annual field course in geography will take a class through the Middle Atlantic States, New England, the Gaspé Peninsula, and the Evangeline Country of Canada. This trip will be made as a part of the post session offerings. The course, approved by the Department of Public Instruction, will carry three semester hours of elective credit in geography in both the elementary and secondary curriculums.

The group will travel by chartered bus, leaving the campus on July 30 and returning on August 16, a total of 18 days in the field. Daily guide sheets will be issued, and discussions will be held en route to enable the students to appreciate and interpret the physical and cultural associations of the regions through which they pass.

Such a course offers a combination of study, travel, and vacation at a nominal cost. For further information, students should write to Miss Lois M. Gillis, Registrar of the College, or to Dr. J. Riley Staats, Director of the Course.

The Laboratory School

The center of activity of any teachers college is its laboratory school, and in this respect the College at California is most fortunate. Excellent facilities are available in the Theodore B. Noss Laboratory School, which is operated in connection with the regular yearly program and also for Summer Session students. During the 1940 six weeks term, classes will be conducted in a special room, the primary grades, and the junior high school grades. The College students will make use of these facilities for observation in connection with

their class work, and there will be limited opportunity for student teaching at both the elementary and secondary levels.

Student Teaching

Persons who wish to do student teaching during the summer should file application immediately by addressing a written request to the Director of Student Teaching. No student who has not completed a semester's work at the College will be considered, and no applications will be received after June 1.

Course Credits

College standards and State Department of Public Instruction regulations permit the earning of one semester hour a week through Summer Session study; that is, six semester hours of credit may be earned in the Six Weeks Session and three semester hours in the post term. This makes it possible for a student to earn a total of nine semester hours by attending both sessions, and this credit may be applied toward a degree or toward the extension of a certificate.

Certification

The summer program is designed particularly to aid persons in meeting their certification problems. Courses are given which will assist students in renewing State Standard Limited Certificates, and many of the offerings may also be used by persons who wish to satisfy the requirement for making a Provisional College Certificate permanent. Complete information about certification may be obtained by calling at the General Office or by writing to the Dean of Instruction.

State Standard Limited Certificates

Teachers who hold State Standard Limited Certificates must, according to regulations of the State Department of Public Instruction, earn 12 semester hours of credit in each three year period, whether or not they are teaching, if they wish to keep their certificates active. These credits must be earned in keeping with the requirements of the elementary degree curriculum.

College Certificates

Persons who hold Provisional College Certificates, granted upon the completion of a four-year degree curriculum, must, in addition to teaching three years in the public schools of the Commonwealth,

obtain six additional semester hours of credit. This additional preparation must be of collegiate grade, completed subsequent to a baccalaureate degree, and half of it must be professional in nature and the remainder related to the subjects or fields in which the holder of a certificate is licensed to teach.

Housing Accommodations

The College has housing facilities on the campus for men and women. The dormitories are comfortably furnished, and provide a congenial, social atmosphere for students and members of the faculty. The rooms are cool and pleasant, and completely furnished except for curtains, towels, and certain minor accessories which must be provided by the occupant. Although there are no rooms with private baths, large modern bathrooms, fully equipped with showers and lavatories, are conveniently located on each floor.

Room Reservations

A room may be reserved in advance by sending a registration deposit of \$10. No rooms will be reserved without a deposit. Reservations will be held until three o'clock on the afternoon of the regular registration day, June 17. At that time, the reservation will be withdrawn unless the student notifies the College by letter, telegram, or telephone, of his intention to arrive later. The deposit will not be returned unless application for return is received at least three weeks before the opening of the Summer Session.

Living Outside Dormitories

No student will be permitted to room or board outside the dormitories, except in the homes of parents, grandparents, brother or sister, uncle or aunt, unless special permission has been granted by the Dean of Women or the Dean of Men. Arrangements must be made with the Dean of Women or the Dean of Men before the rooms are engaged. No student will be permitted to room in houses not approved by the Housing Committee, and any change of address, after a student is once located, must be approved by the Dean of Women or the Dean of Men prior to the change.

Inquiries about rooms should be addressed either to the Dean of Women or the Dean of Men.

Fees and Living Costs

The contingent fee for Summer Session work is \$5.00 a semester hour, with a minimum fee of \$15. In addition to this charge all students must pay a \$2.00 activity fee. Board, room, and laundry for

the Six Weeks Session is \$42, and of course, \$21 more for students who wish to remain for the Post-Three Weeks Session.

A detailed statement on fees, deposits, and repayments, may be found in the regular Catalog.

Summary of Summer Sessions Expenses

Contingent Fee for a Semester Hour of Credit	
Elementary and Secondary Curriculums	\$5.00
Industrial Arts Curriculum—With an Additional Charge of \$6.00 for the Regular Session and \$3.00 for the Post Term	5.00
Student Activity Fee	2.00
Minimum Contingent Fee	15.00
Out-of-State Students, Additional Tuition	35.00
Board, Room, and Laundry	
Six Weeks Session	42.00
Post-Three Weeks Session	21.00

Social and Recreational Features

Although practically all morning and, in some instances, certain afternoons are taken by classes and study, considerable time is devoted in the afternoons to a recreational, social, and cultural program.

Swimming and Other Activities

One of the most attractive features on the College campus during the summer is the swimming pool, one of the finest in Western Pennsylvania. Its facilities will be available to summer students at regularly scheduled times during which there will be adequate supervision by approved Red Cross Life Saving guards. Attention will also be given to such other summer sports as tennis, mushball, croquet, archery, and badminton.

During the Six Weeks Session, the social program will be under the direction of the Dean of Women, and the recreational activities will be in charge of a Director of Social Activities. The numerous affairs that are to be included on the summer calendar are designed to meet the varied interests of all students, and they offer excellent opportunities to make new contacts and friendships and to renew former acquaintances. A complete schedule of the summer social and recreational program will be available at the time of registration.

Course Descriptions

Although the 1940 Summer Sessions have been planned with considerable care, the following proposed offerings are subject to modification before the opening of the session, but students may be assured that few if any changes will be made unless absolutely necessary. The College, however, reserves the right to withdraw any courses announced in this Bulletin for which the demand does not seem to justify their maintenance, and usually courses are not continued unless 10 or more students enroll. The selection of courses has been made on the basis of experience during past Summer Sessions and requests made by teachers in service as well as regular students in the College; consequently, it is expected that few courses will be cancelled.

This Bulletin contains a list of the complete course offerings for the Six Weeks and the Post-Three Weeks Sessions. Additional courses, however, may be offered, or those indicated may be changed, in the Post-Three Weeks Session if the demand seems to warrant. Students are advised to indicate their desires early in the Six Weeks Session by leaving word at the General Office.

Education

CHILD PSYCHOLOGY 3 cr.

Child growth, learning, and adjustment; the establishment of a reliable basis for individualizing education, including problems of child play motives, thinking, and social development.

Kerstetter, Daily 8:00-11:00, H16; given only in the Post-Three Weeks Session.

EDUCATIONAL MEASUREMENTS 2 cr.

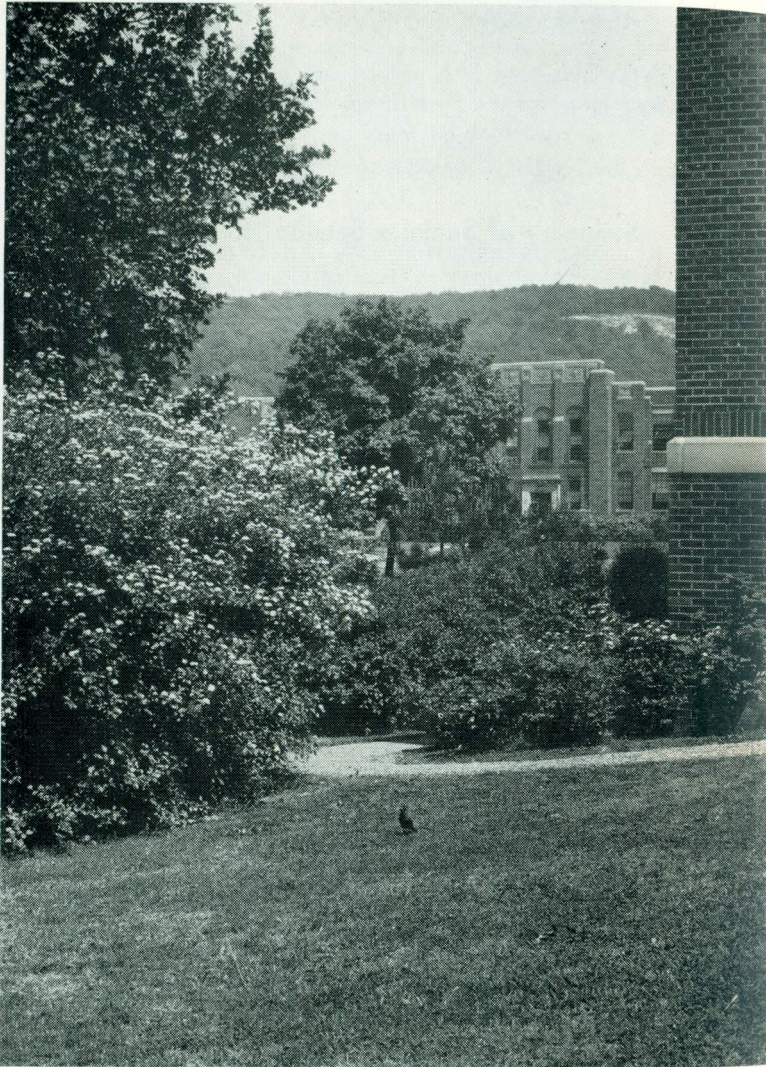
A consideration of the simpler statistical measures with particular emphasis on their application to classroom work; principles underlying the construction of valid, reliable, objective tests; and practice in the making of classroom tests in the various fields of subject matter.

Neagley, Daily 8:00-9:00, M205

EVOLUTION OF THE AMERICAN PUBLIC SCHOOLS 2 cr.

The development of elementary and secondary education in America from the Colonial period to the present, including the influence of industrial and social changes on the educational program. Emphasis is placed on education in Pennsylvania.

Neagley, Daily 9:30-10:30, M206



The Campus Laboratory School

The Noss Laboratory School, which is used for observation and demonstration purposes by the Summer Session students, may be seen against the nearby hills. Views such as this are common from almost every part of the campus, for the College in the busy Monongahela Valley, has as a background the river's steep banks and the surrounding hills.

NEW METHODS IN THE ELEMENTARY SCHOOL 3 cr.

For persons in supervisory or teaching positions who are interested in the needs of child growth through activities. Opportunities will be given for continuous observation and participation during the development of an entire unit of experience, and emphasis will be given to critical discussion in evaluating what has been seen during observations. The work is of special significance for teachers who hold either a normal school or a standard certificate and who expect to complete a degree in elementary education. May be used as a substitute for Curriculum Materials by persons who have completed part of their student teaching requirement.

Graham, Daily 8:00-11:00, N201; given only in the Post-Three Weeks Session.

PHILOSOPHY OF EDUCATION 2 cr.

The place of education in various well-known philosophies, the content of various educational philosophies, and the relation of other college courses to these are studied. Each student is expected to formulate his own ideas of what constitutes modern education.

Neagley, Daily 10:30-11:30, M209

PROBLEMS OF SECONDARY EDUCATION 2 cr.

The development, organization, and problems of secondary education, including the special functions of the junior high school. Much time is given to admission requirements, ability grouping, program of studies, departmentalization, and plans of promotion.

Alderman, Daily 7:30-8:30, N201

STUDENT TEACHING IN THE ELEMENTARY SCHOOL 6 cr.

Teaching is done under the guidance of a directing teacher and the Director of Student Teaching, and occupies the full time of the students for the Six Weeks Session. A general average of C and a quality point average of 1.5 in the elective area are required. Applications must be filed before June 1; enrolment is limited.

Gilland and Staff, Daily 7:30-12:00, Noss Laboratory School; Conferences, Daily 1:00-2:30, N201

STUDENT TEACHING IN THE SECONDARY SCHOOL 6 cr.

Students are assigned to teach in either or both of their elective areas for certification. Enrolment is generally limited to those persons who are changing their curriculums and who have done some student teaching at the elementary level, but who now wish to complete the secondary requirements. Full time for six weeks is devoted to actual classroom teaching. A general average of C and a 1.5 quality point

average in at least one elective area for certification are required. Applications must be filed by June 1.

Gilland and Staff, Daily 7:30-12:00, Noss Laboratory School; Conferences, Daily 1:00-2:30, M105

STUDENT TEACHING FOR TEACHERS IN SERVICE Var. cr.

Teachers with three or more years' experience in teaching who become candidates for a degree and who have not completed the required number of semester hours in regular student teaching will be registered for the course, after consultation with the Dean of Instruction and the Director of Student Teaching, and be assigned to some class pertinent to their needs. This will be a course that does not duplicate work already taken, and not more than from one to three semester hours of student teaching credit may be earned in this manner.

Gilland, to be arranged, Noss Laboratory School

TEACHING OF READING 3 cr.

See Diagnostic and Remedial Instruction under Special Education.

VISUAL EDUCATION 1 cr.

The psychological principles underlying visual or other sensory aids and the collecting and assembling of suitable teaching material.

Alderman, Daily 9:00-10:00, H16

English

CHILDREN'S LITERATURE 3 cr.

A survey of those poems and stories known as children's literature, and the selection of appropriate materials for classroom use in the elementary grades. Opportunity is given for story telling and dramatization.

Carroll, Daily 10:30-12:00, H101

LITERATURE 1. ENGLISH 3 cr.

An introduction to the masterpieces of English literature. Representative literary types and forms are selected for intensive study.

Hughey, Daily 7:30-9:00, M206

LITERATURE 2. AMERICAN 3 cr.

American culture as reflected in the work of American writers; current tendencies in contemporary American literature, with considerable emphasis on Pennsylvania's contribution.

Keller, Daily 7:30-9:00, M116

MODERN NOVEL 3 cr.

The modern novel as a means of entertainment and as a serious study of present day living. Attention is also given to the current novel as a developing art form.

Hughey, Daily 10:30-12:00, M206

ROMANTIC LITERATURE 3 cr.

The works of the great writers of the Romantic period, with special reference to Byron, Shelly, and Keats. Consideration is given to the life and thought of this important period.

Pardoe, Daily 8:00-11:00, M206; given only in the Post-Three Weeks Session.

SHORT STORY 3 cr.

An introduction to the French, English, and American short story, with particular emphasis on the American. Representative stories are studied in class and others are read outside. Attention is given to evaluating the merit of stories and to compiling appropriate lists for teaching.

Keller, Daily 9:00-10:30, M116

TEACHING OF ELEMENTARY SCHOOL ENGLISH 3 cr.

The content of courses in English as taught in the elementary grades; methods of teaching oral and written composition, principles of grammar, poetry, and literature. The pedagogical equipment essential to a teacher of handwriting is discussed, and reference work is given on the psychology of handwriting, together with demonstration lessons.

Carroll, Daily 7:30-9:00, H101

Geography

CONSERVATION OF NATURAL RESOURCES 3 cr.

Major governmental projects, minerals, water resources, plant resources, and soil are studied. Teachers of geography, economics, and history will find the content of this course well suited to their needs as it gives students a broader concept of natural resources.

Staats, Daily 10:30-12:00, S202

ECONOMIC GEOGRAPHY 3 cr.

A consideration of the part economic conditions, as they exist today, play in the inter-relationships of the countries of the world. Special emphasis is given to resources of typical regions, as well as those from various countries. International trade relations and means of communication are analyzed and discussed.

Harding, Daily 9:00-10:30, S202

GEOGRAPHY FIELD COURSE 3 cr.

An intensive study of the Middle Atlantic Area, New York, New England, the Gaspé Peninsula, and Maritime Canada. Daily guide sheets will be issued, and discussions will be held en route. The group will leave the campus by chartered bus on Tuesday, July 30, and will return on Friday, August 16. This course may be substituted for Geography of the United States and Canada or used for elective credit in either the elementary or secondary curriculum.

Staats, Daily; first meeting in S102; given only in the Post-Three Weeks Session.

GEOGRAPHY OF EUROPE 3 cr.

A survey of the various countries of Europe. The physical-political approach is used to understand the present economic factors which make the Europe of today.

Harding, Daily 8:00-11:00, S202; given only in the Post-Three Weeks Session.

GEOGRAPHY OF THE UNITED STATES AND CANADA 3 cr.

This is a regional study of the two countries. Special emphasis is given to the physical and economic conditions. Current issues are discussed.

Staats, Daily 7:30-9:00, S202

Industrial Arts

DRAWING AND DESIGN 1. MECHANICAL DRAWING 2 cr.

The use of drawing instruments, orthographic projection, sectional representation, tracings, and blueprint making are emphasized.

Bauer, Daily 7:30-9:30, I.A.

DRAWING AND DESIGN 2. SHEETMETAL DRAFTING 2 cr.

This includes practical problems in sheetmetal drafting. Work shop problems, such as arise in everyday practice, are presented.

Hoover, Daily 1:00-3:00, I.A.

DRAWING AND DESIGN 3. PRINTING DESIGN 2 cr.

The principles of design and color as applied to a printing job.

Stavaski, Daily 7:30-9:30, S302

DRAWING AND DESIGN 4. MACHINE DESIGN 2 cr.

Special emphasis is given to machine design, tracing, blueprint making, and commercial drawing practice.

Bollinger, Daily 1:00-3:00, I.A.

DRAWING AND DESIGN 7. INDIVIDUAL INSTRUCTION SHEETS 2 cr.

Plans for the organization of instructional material in graphic form for all of the general shop units, including individual instruction sheets, wall charts, blackboard drawing, and blueprint making are given in this course.

Coover, Daily 1:00-3:00, I.A.

DRAWING AND DESIGN 8. ARCHITECTURAL DRAWING 2 cr.

The principles of architectural design, including floor plans, elevations, building construction and materials, the writing of specifications, and planning shop layouts. Prerequisites: D. and D.1, or consent of the instructor.

Bauer, Daily 7:30-9:30, I.A.

SHOP 1. WOODWORKING 1 4 cr.

The fundamentals of woodworking, including the use and care of bench tools, the operation of woodworking machinery, and wood finishing are presented.

Bauer, Daily 9:30-12:00; 1:00-2:30, I.A.

SHOP 2. SHEETMETAL 1 4 cr.

An introductory course in sheet metal. Instruction is given in seaming, riveting, forming, and soldering. Projects suitable for junior and senior high school boys are designed and constructed.

Hoover, Daily 7:30-11:30, I.A.

SHOP 3. PRINTING 1 4 cr.

Elements of typography; setting straight matter and simple display jobs; and platen press work.

Stavaski, Daily 9:30-12:00; 1:00-2:30, S300

SHOP 4. MACHINE 1 4 cr.

The use and operation of machine tools, including complete instructions on the engine lathe and in aluminum molding.

Bollinger, Daily 7:30-11:30, I.A.

SHOP 6. WOODWORKING 2 4 cr.

A second course in woodwork; it includes advanced machine work, wood turning, the operation of spray painting and finishing equipment, and the organization of instructional material.

Bauer, Daily 9:30-12:00; 1:00-2:30, I.A.

SHOP 7. MACHINE 2 4 cr.

An advanced course in machine shop practice.

Bollinger, Daily 7:30-11:30, I.A.

SHOP 9. PRINTING 2 4 cr.

Provides actual experience in the selection and development of problems in binding suitable to secondary schools. The monotype keyboard and caster are also considered.

Stavaski, Daily 9:30-12:00; 1:00-2:30, S300

SHOP 10. ART METAL 1 4 cr.

The application of design to copper, brass, and pewter. Representative projects include letter openers, book ends, and lanterns.

Coover, Daily 7:30-11:30, I.A.; given also in the Post-Three Weeks Session, 8:00-12:00; 12:30-4:30, I.A.

SHOP 12. SHEETMETAL 2 4 cr.

An advanced course for students especially interested in sheet-metal. The semester's work includes special projects, construction of pieces of equipment for school-shop use, and teaching materials. Prerequisites: Shop 2 and D. and D. 2, or consent of the instructor.

Hoover, Daily 7:30-11:30, I.A.

SHOP 14. ART METAL 2 4 cr.

Advanced work in art metal, with emphasis on individual projects. Special attention is given to the treatment of aluminum.

Coover, Daily 8:00-12:00; 12:30-4:30; given only in the Post-Three Weeks Session, I.A.

SHOP 4 cr.

Another shop, in addition to Art Metal 1, 2, will be offered in the Post-Three Weeks Session in keeping with the needs and desires of the students. Announcement of the specific course will be made before the end of the six weeks term.

Mathematics

ANALYTIC GEOMETRY 3 cr.

The development of meaning in the point, the line, and the plane; co-ordination as a means of picturing a mathematical function; a visual understanding of the various conics; ability to develop formulas, and their application.

Bernstorf, Daily 10:30-12:00, M105

ARITHMETIC 1. CURRICULUM IN ARITHMETIC 2 cr.

To acquaint the teacher with the history, philosophy, sociology, and psychology underlying number learning. Methods of teaching, number understanding, and processes are developed in harmony with the most dependable experimentation in this field.

Salisbury, Daily 9:00-10:00, M105

ARITHMETIC 2. TEACHING OF ARITHMETIC 3 cr.

The diagnosis and remedial teaching of arithmetic in the intermediate grades; practical results of recent scientific studies are utilized; organization of material and unit construction.

Salisbury, Daily 9:00-10:30, M105

SPECIAL WORK IN MATHEMATICS 3 cr.

Individual work, according to the needs of the students, will be given. Registration, only with the consent of the instructor, may be in Applied Mathematics, College Algebra, Trigonometry, or Calculus I or 2.

Salisbury, Daily 7:30-9:00, M105

Science**Biological Science****BOTANY 2. LOCAL FLORA** 3 cr.

The classification and identification of the seed plants and ferns of Southwestern Pennsylvania for the purpose of acquiring familiarity with the distinguishing features of the great groups; the use of manuals. Lecture and laboratory work.

McCoy, Daily 8:00-12:00; given only at Camp California in the Post-Three Weeks Session.

ECOLOGY 3 cr.

Plant and animal associations, distribution and environmental factors, population equilibrium, habitat types, and methods of conservation. Lecture, recitation, and field work.

Walker, Daily 8:45-11:00; given only at Camp California.

NATURE STUDY 3 cr.

This course familiarizes the student with the common natural objects and phenomena by actual observations of them in their environment. Required field trips are made to many localities. Seasonal discussions of flowers, trees, birds, and insects. The nature requirements of the Boy Scouts and Girl Scouts are studied.

Walker, Daily 1:45-4:00; given only at Camp California.

Physical Science**ASTRONOMY** 3 cr.

Descriptive astronomy, with the mathematical phases of the subject generally omitted; the various elements of the solar system, their physical characteristics and motions, the interesting phenomena of our galactic system, and those of extra-galactic space, together with a study of constellations.

Hurst, Daily 8:00-12:00, S104; given only in the Post-Three Weeks Session.

CHEMISTRY 1, 2. INORGANIC 4 cr.

Lectures, demonstrations, and laboratory work dealing with fundamental theories and laws of chemistry, including common non-metallic elements and their compounds. The second part deals with the study of metals and their compounds and an introduction to the carbon compounds.

Harding, Daily 7:30-9:00, S104; Laboratory, TTh 12:30-5:00, S204

PHYSICAL SCIENCE 2 3 cr.

A survey course presented from the standpoint of appreciation rather than the mastery of a group of facts. The aim is to make the student aware of the natural forces through the physical interpretation of everyday phenomena; and to show how the discoveries of science have changed our ways of living and thinking. The lecture-demonstration method is used. Material is largely selected from the fields of astronomy, physics, chemistry, and the earth sciences. Students specializing in physical science should not take this course.

Oerlein, Daily 7:30-9:00, S205; Demonstrations, T 1:00-4:00, S201

PHYSICS 1, 2 4 cr.

An introductory course in the fundamental principles of mechanics, sound, and heat. Work in the second semester deals with the phenomena and principles of magnetism, electricity, and light. Lectures and recitations are supplemented by individual laboratory work.

Oerlein, Daily 10:30-12:00, S205; Laboratory, MWF 1:00-4:00, S201

Social Studies**History****CONTEMPORARY WORLD HISTORY** 3 cr.

An interpretation and evaluation of the background of the World War and its consequences; the conflict in ideology throughout the world in the last generation; the background of present problems and their world importance, with emphasis upon the trends in American life, thought, and policy in relation to world affairs.

Lecron, Daily 9:00-10:30, M202

SOCIAL AND INDUSTRIAL UNITED STATES HISTORY 3 cr.

A survey of the social and economic patterns that tended to prevail at different periods in American history, with major emphasis on the rise and decline of the plantation system and the emergence of an industrial society.

Montgomery, Daily 7:30-9:00, M202

U. S. HISTORY I

3 cr.

The development of American life to the close of the Civil War. An evaluation of our American ideals and the growth of our particular type of organization in government is stressed. Special emphasis is placed upon present day relationships and underlying principles.

Montgomery, Daily 9:00-10:30, M209

Social Sciences

AMERICAN GOVERNMENT

3 cr.

The basic principles of American government, the machinery through which it works, and some of its major problems. In the study of Federal, State, and local governments attention is given to current problems.

Hart, Daily 8:00-11:00, H102; given only in the Post-Three Weeks Session.

SOCIOLOGY I. PRINCIPLES

3 cr.

The underlying principles and problems of human progress, with emphasis on ways of improving society and social conditions through individuals and groups.

Lecron, Daily 10:30-12:00, M202

Special Education

ART CRAFTS I

3 cr.

The design, manipulation, and sources of various materials suited to handwork; includes projects in wood, leather, metal, cardboard, hand loom weaving, rake and spool knitting, and chair caning.

Leacock, Daily 7:30-10:30, I.A.

ART CRAFTS 2

3 cr.

Practice in two- and four-harness loom weaving and selection and sources of equipment, patterns, drafts, warp, tabby, and yarns.

DIAGNOSIS AND REMEDIAL INSTRUCTION

3 cr.

The technique of diagnosing reading difficulties and of determining appropriate remedial treatment. Opportunity is given for observing and participating in procedures in the reading clinic.

Alderman, Daily 10:30-12:00, N201

MENTAL HYGIENE

3 cr.

In considering the problems of personality development, modern inventories for personality analysis are used and guidance is given

for the improvement of certain traits. Each student has an opportunity to analyze his own personality and to apply adjustment principles to school problems. Visits are made to institutions for care of delinquent, insane, and feeble minded. Prerequisites: Psychology I and 2.

Wilson, Daily 9:00-10:30, H103

PSYCHOLOGY OF EXCEPTIONAL CHILDREN

3 cr.

The characteristics and classification of gifted, dull, delinquent, crippled, sensory handicapped, and some other less frequent types of handicapped children. Various types of children will be brought to class for observation as often as possible. Case studies are made by all students.

Wilson, Daily 7:30-9:00, H103

SPECIAL CLASS METHODS

2 cr.

Methods of handling special class children, class room organization, articulation with the regular school program, and purposes of special classes are discussed. At least one period of classroom observation a day, followed by conferences is required.

Greco and Wilson, Daily 10:30-12:00, Noss Laboratory School

STUDENT TEACHING IN SPECIAL CLASSES

1 cr.

Student teaching in the Laboratory School special class under the supervision of the directing teacher. One full day a week of actual classroom teaching is required; this may be done on one day or its equivalent time may be spent on different days.

Greco, Daily 7:30-9:00, Noss Laboratory School

Speech

PHONETICS

2 cr.

A sound by sound analysis of speech, designed to improve individual speech habits and to give background for later courses in speech correction and dramatics.

Mase, Daily 9:30-10:30 given only at Camp California.

SPEECH CLINIC I, 2

2-4 cr.

The practical work in diagnosing, giving remedial treatment, and in following through a procedure of correction with different types of speech disorders under close supervision. Additional time is given to observation of work conducted by the clinician.

Mase, Daily 10:30-12:30 and by appointment; given only at Camp California.

SPEECH PATHOLOGY 3 cr.

The anatomy and physiology of the speech mechanism, with particular emphasis on the respiratory organs, larynx, resonators, and articulators; some consideration of the causes, symptoms, nature, and management of all types of speech disorders, together with exercises and procedures to follow.

Mase, Daily 8:00-11:00; given only at Camp California in the Post-Three Weeks Session.

SPEECH PROBLEMS 2 cr.

A survey of the field of speech correction, acquainting the student with literature on the subject and particularly stressing the matter of treatment of minor speech disorders.

Mase, Daily 8:00-9:30; given only at Camp California.



Individual Instruction in Speech

Time Schedule of Classes

Six Weeks Session

(Classes meet daily unless otherwise indicated.)

First Period 7:30-9:00

Course	Cr.	Room	Instructor
Art Crafts I	3	I.A. (7:30-10:30)	Leacock
Chemistry I, 2	4	S104 (Laboratory TTh—12:30-5:00)	Harding
Drawing and Design I	2	I.A.	Bauer
Drawing and Design 3	2	S302	Stavaski
Drawing and Design 8	2	I. A.	Bauer
Ecology	3	Camp (8:45-11:00)	Walker
Educational Meas.	2	M205 (8:00-9:00)	Neagley
Geog. of U. S. & Canada	3	S202	Staats
Literature I	3	M206	Hughey
Literature 2	3	M116	Keller
Mathematics	3	M105	Salisbury
Physical Science 2	3	S205 (Demonstration T—1:00-4:00)	Oerlein
Probs. of Secondary Ed.	2	N201 (7:30-8:30)	Alderman
Pysch. of Except. Children	3	H103	Wilson
Soc. & Ind. Hist. of U. S.	3	M202	Montgomery
Spec. Class Stud. Teach.	1-2	Noss	Greco
Speech Problems	2	Camp (8:00-9:30)	Mase
Teach. of Elem. School Eng.	3	H101	Carroll

Second Period 9:00-10:30

Arith. 1—Curriculum	2	M105	Salisbury
Arith. 2—Teaching	3	M105	Salisbury
Art Crafts 2	3	I.A. (9:00-12:00)	Leacock
Cont. World History	3	M202	Lecron
Economic Geography	3	S202	Harding
Evol. of American Sch.	2	M206 (9:30-10:30)	Neagley
Mental Hygiene	3	H103	Wilson
Phonetics	2	Camp (9:30-10:30)	Mase

Course	Cr.	Room	Instructor
Short Story	3	M116	Keller
U. S. History I	3	M209	Montgomery
Visual Education	1	H16 (9:00-10:00)	Alderman

Third Period 10:30-12:00

Analytic Geometry	3	M105	Bernstorf
Children's Literature	3	H101	Carroll
Con. of Natural Resources	3	S202	Staats
Diagnostic & Rem. Teach.	3	N201	Alderman
Modern Novel	3	M206	Hughey
Philosophy of Education	2	M209(10:30-11:30)	Neagley
Physics I, 2	4	S205 (Laboratory MWF—1:00-4:00)	Oerlein
Sociology	3	M202	Lecron
Special Class Methods	2	Noss	Greco
Speech Clinic	2-4	Camp	Mase
Stud. Teaching for Teach.	Var	Noss	Gilland

Irregular Periods

Chem. I, 2—laboratory		S204 (TTh—12:30-5:00)	Harding
Drawing and Design 2	2	I.A. (1:00-3:00)	Hoover
Drawing and Design 4	2	I.A. (1:00-3:00)	Bollinger
Drawing and Design 7	2	I.A. (1:00-3:00)	Coover
Nature Study	3	Camp (1:45-4:00)	Walker
Phy. Science 2—demon.		S201 (T—1:00-4:00)	Oerlein
Physics I, 2—laboratory		S201(MWF—1:00-4:00)	Oerlein
Shop 1—Wood I	4	I.A. (9:30-12:00; 1:00-2:30)	Bauer
Shop 2—Sheet Metal I	4	I.A. (7:30-11:30)	Hoover
Shop 3—Print I	4	S300 (9:30-12:00; 1:00-2:30)	Stavaski
Shop 4—Machine I	4	I.A. (7:30-11:30)	Bollinger
Shop 6—Wood 2	4	I.A. (9:30 12:00; 1:00-2:30)	Bauer
Shop 7—Machine 2	4	I.A. (7:30-11:30)	Bollinger
Shop 9—Print 2	4	S300 (9:30-12:00; 1:00-2:30)	Stavaski

Course	Cr.	Room	Instructor
Shop 10—Art Metal 1	4	I.A. (7:30-11:30)	Coover
Shop 12—Sheet Metal 2	4	I.A. (7:30-11:30)	Hoover
Stud. Tchg. in Elem. Grades	6	Noss (7:30-12:00; 1:00-2:30)	Gilland and Staff
Stud. Tchg. in Sec. Grades	6	Noss (7:30-12:00; 1:00-2:30)	Gilland and Staff

Post-Three Weeks Session

(Classes meet daily from 8:00-11:00 A. M. unless otherwise indicated.)

American Government	3	H102	Hart
Astronomy	3	S104 (8:00-12:00)	Hurst
Botany 2—Local Flora	3	Camp (8:00-12:00)	McCoy
Child Psychology	3	H16	Kerstetter
Geography of Europe	3	S202	Harding
Geography Field Trip	3	S102	Staats
New Methods in the Elem. School	3	N201	Graham
Romantic Literature	3	M206	Pardoe
Shop—to be determined	4	I.A. (8:00-12:00; 12:30-4:30)
Shop 10—Art Metal 1	4	I.A. (8:00-12:00; 12:30-4:30)	Coover
Shop 14—Art Metal 2	4	I.A. (8:00-12:00; 12:30-4:30)	Coover
Speech Pathology	3	Camp	Mase

Building Abbreviations

H—Herron Hall	M—Main Hall
I.A.—Ind. Arts Building	N—Noss School
S—Science Hall	

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Knowledge may be gained from books;
but the love of knowledge is transmitted
only by personal contact. No one has de-
served better of the republic than the un-
known teacher. No one is more worthy to
be enrolled in a democratic aristocracy,
"king of himself and servant of mankind."

—Henry Van Dyke