

The California Bulletin

1941 . . .
Summer
Sessions
Number



State Teachers College
California, Pennsylvania

The California Bulletin

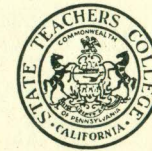
SUMMER SESSIONS NUMBER

Volume 51

January 6, 1941

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State Teachers College



1941

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.

Six Weeks Session - - - - June 23 to August 1
Post-Three Weeks Session - August 4 to August 22

CALIFORNIA, PENNSYLVANIA

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Summer Sessions Calendar - 1941

Commencement

Alumni Day	-----	Saturday, May 24
Baccalaureate Sermon	-----	Sunday, May 25
Commencement Exercises	-----	Monday, May 26

Six Weeks Session

On the Campus

Registration	-----	Monday, June 23
Classes Begin	-----	Tuesday, June 24
Holiday—No Classes*	-----	Friday, July 4
Freshman Entrance Examinations	-----	Tuesday, July 15
Pennsylvania Educational Salesmen's Club Exhibit	-----	-----
	-----	Thursday and Friday, July 24 and 25
Classes End	-----	Friday, August 1

At Camp California

Registration—At Camp	-----	Monday, June 30
Classes Begin **	-----	Monday, June 30
Classes End	-----	Saturday, August 2

Post-Three Weeks Session

On the Campus

Registration	-----	Friday, August 1, and Monday, August 4
Classes Begin	-----	Monday, August 4
Classes End	-----	Friday, August 22

At Camp California

Registration—At Camp	-----	Saturday, August 2, and Monday, August 4
Classes Begin	-----	Monday, August 4
Classes End	-----	Friday, August 22

Fall Semester

Freshman Orientation Period	-----	-----
	-----	Monday through Sunday, September 8 to 14
Registration of Upperclassmen	-----	-----
	-----	Wednesday and Thursday, September 10 and 11
Classes Begin	-----	Friday, September 12

* Classes will hold meetings on Saturday, July 12.

** Classes will hold meetings on all Saturdays.

Boards of Control

State Council of Education

Francis B. Haas, President and Chief Executive Officer

Marcus Aaron	Pittsburgh
W. Floyd Clinger	Warren
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Department of Public Instruction

Francis B. Haas, Superintendent of Public Instruction

Clarence E. Ackley, Deputy Superintendent

Dorr E. Crosley, Deputy Superintendent

Teacher Education and Certification

Henry Klonower, Director

College Board of Trustees

David M. McCloskey, Chairman	Charleroi
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Harry E. Price	Charleroi
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Ephraim S. Tyler	Point Marion

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; Director of Camp California

Lillian J. Conlon, Bursar

Lois M. Gillis, A.B., Registrar

Faculty

Arthur W. Bauer, M.A., Industrial Arts

O. Ray Bontrager, Ph.D., Assistant Director of Student Teaching; Education

Henrietta Carroll, M.A., English

Violet Virginia Claybour, M.A., Education; Elementary Grades in the Laboratory School

Shriver L. Coover, M.A., Industrial Arts

Richard R. Crow, M.A., Industrial Arts

Rose Greco, B.S., Education; Special Class in the Laboratory School

George E. Harding, M.A., 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

Robert M. Keck, M.A., Industrial Arts

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; Secondary Grades in the Laboratory School

Ralph W. McCoy, Ph.D., Biological Science

Horace Montgomery, Ph.D., Social Studies

Dourossoff E. Morley, M.A., Speech; Director of Speech Correction

Samuel M. Neagley, Ph.D., Education

Karl F. Oerlein, Ph.D., Physical Science
Nellie E. Pardoe, M.A., English
Emma Sacco, M.A., Social Studies
Elon G. Salisbury, Ph.D., Education; Mathematics
J. Riley Staats, Ph.D., Geography
Karl H. Stahl, Ph.D., Mathematics
Anthony T. Stavaski, Ed.M., Industrial Arts
Clair B. Wilson, M.A., Education

Non-Instructional Staff

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

Secretarial Staff

Harriet R. Copenhaver, B.S. in Ed., Secretary to the President
Frances Plava, B.S. in Ed., 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, A.B., Assistant in the Library
Ruth Underwood, Clerical Assistant
Betty L. 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, 8:00 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, a State-owned and controlled institution for the education of teachers, 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 more than 600 full-time students and from 225 to 275 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 been designated also to give courses in special education, including work for the preparation of teachers of mentally retarded classes and speech correctionists.

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 teaching in the special fields of industrial arts, mentally retarded classes, and speech correction.
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 ap-

- proval 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, 1942, 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 and the general regulations of the College may be obtained from the Catalog.

National Welfare and Summer Study

Today, with practically the entire world confronted with economic, social, and political conflict, schools and colleges are charged with a great responsibility to preserve the social heritage and to guide the future destiny of civilization. Much of the work of National Defense, both of a practical and theoretical nature, has been assigned to the colleges of the country. The practical aspects of the work are designed to assist with the immediate emergency, and the theoretical or academic phases are aimed to strengthen the moral fiber and general morale of the Nation.

California's 1941 summer offerings, while primarily designed for the upgrading of teachers-in-preparation, as well as teachers-in-service, are planned to assist in the general program of National Defense. The courses arranged for both terms are aimed to provide for a better social understanding and to bring about the adjustment of individuals to changing conditions of life.

Through practical shop and drawing courses, the offerings in industrial arts provide a means for the study of scientific-industrial life. An unusual opportunity to understand the socio-economic conditions of the country is to be found in a geography field trip through western United States. New and regular courses in the social studies, the speech courses at Camp California, and the special education classes for the preparation of teachers of mentally retarded children are designed to throw new light on ever changing social and educational problems.

While the 1941 Summer Sessions program includes special work in industrial arts, geography, speech, and mentally retarded class preparation, the regular and required courses of the several curriculums have not been overlooked. The whole program seeks to pro-

vide studies for teachers and others that will develop a better understanding of the forces that have brought about the present economic, social, political, and educational problems, and it is hoped that through the offerings some light will be cast on a reconstruction program that will promote social stability and progress.

Courses in Industrial Arts

Industrial arts work at California during both terms of the 1941 Summer Sessions fits unusually well into the current National Defense program. The courses in shop and drawing are designed to equip teachers and prospective teachers for work in the secondary schools of the Commonwealth, but they are equally applicable to the needs of many young men who are and will be needed in significant industrial positions.

The subjects include practical shop and drawing instruction in machine, sheetmetal, electricity, art metal, wood, printing, and ceramics. In some of the shops elementary and advanced work will be offered. The courses in machine shop and sheetmetal are especially designed to meet school and industrial demands.

Ceramics is a new offering in the industrial arts curriculum at California. The activities involved in this work are particularly applicable to the newer aspects of the field, and definitely related to a rapidly growing need for creative activities in the elementary grades. The course is one of those specifically required in a newly established elective area designed to prepare students for teaching in the elementary grades and for teaching and supervising industrial arts in any grade.

Geography Field Course

The fifth annual field course in geography will make a reconnaissance study of the Mississippi Valley, the Great Plains, the Cotton Belt and oil fields of Texas, irrigation areas of the upper Rio Grande, the Grand Canyon, the Mohave Desert, San Joaquin and Sacramento Valleys of California, the Pacific Northwest, northern Rocky Mountain area, the Yellowstone National Park section, the Black Hills, and the northern portion of the Corn Belt. The course, approved by the Department of Public Instruction, will carry six semester hours of elective credit in geography in both the elementary and secondary curriculums.

The class will travel in a modern, cruiser type, chartered bus, leaving the campus on Monday, June 23, and returning Friday, August 1, a total of 40 days in the field. The course is organized so that daily directions for observations will be issued. 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, and their significance to the National welfare.

The course will enable students to have a pleasurable as well as an instructive visit in the West. Deserts, mountains, glaciers, canyons, citrus orchards and vineyards, great dams for power and irrigation reservoirs, wide open spaces, and picture studios are included in the itinerary at a nominal cost.

Sundays will be days of rest, and time will be allowed for religious observance according to individual desires.

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.

Summer Center for Speech Correction

Camp California, near Somerset, Pennsylvania, is a summer center for speech correction. The work is of a two-fold nature: a program of practical speech correction training for students and teachers and a program of correction for individuals handicapped because of stuttering, sound substitutions and omissions, retarded speech, foreign accent, and allied disorders. The practical speech correction program provides opportunity not only for persons specializing in speech, but also for all teachers and prospective teachers of either the elementary or secondary grades to take required and elective courses in speech correction and to gain experience in actual clinical practice.

Camp Facilities

Camp California is located in the Laurel Hill Recreational Demonstration Area which is administered by the National Park Service of the United States Department of Interior in co-operation with the Pennsylvania Department of Forests and Waters. This area, comprising 4,025 acres on the eastern slope of the Laurel Ridge of the Allegheny Mountains, is about eight miles west of Somerset, Pennsylvania.

The buildings of organized Camp 2-C have been recently constructed, and are especially designed for modern camping. The central unit includes a commodious dining hall, administration building, museum, handcraft building, infirmary, and staff quarters. In the woods surrounding are located four unit camps, each providing sleeping and recreational facilities for 24 campers with their counselors. Electricity has been recently installed.

The cabins are substantially built of native, weather-aged chestnut, and are designed for the comfort and safety of four persons. There is a wash house and latrine for each living unit. An elevation of 2,200 feet assures cool nights throughout the summer.

A dam, built across the Laurel Hill Creek, provides a 65-acre lake. A special dock on this lake affords excellent facilities for water activities. A large recreation field serves the entire camp, and numerous smaller areas for group play are conveniently located.

The sanitary and medical regulations are under the supervision of the National Park Service and the Pennsylvania Department of Health.

Instructional Program

The speech correction program, including academic instruction as offered in a camp setting, was developed to satisfy a special need in speech correction work. Speech correctionists throughout the country agree that a program of speech rehabilitation, to be effective, requires regularity, directed sequence, and, as much as possible, the elimination of outside distractions. Furthermore, for the teacher-in-service and for the prospective teacher, there was a need for experience and practical application of knowledge. This is all realized in an environment such as is found at Camp California.

Instructional and clinical training for students who are teachers or prospective teachers is an additional important part of the speech work at Camp California. Speech correction courses for which regular college credit is given are offered at the camp. Practical application of knowledge gained in these courses is obtained through observation and actual clinical practice. The speech correction students will take part in the routine correctional program under the supervision of the Speech Director and the clinicians.

Certification and Degree Credit

College credit toward certification as a speech correctionist or toward a degree may be earned in the several speech correction courses which will be given this summer. The tuition rate is \$5.00 a semester hour. Complete descriptions of the offerings available in the Regular Session, which corresponds with the six-weeks term on the campus, and in the post-term, a three-weeks additional session, are to be found in another section of this bulletin. A special Camp California Bulletin, giving detailed, specific information about the camp's program may be obtained by writing to Dourossoff E. Morley, Speech Director, or Paul N. Walker, Camp Administrator.

Expenses at the Camp

The cost of the full eight weeks for individuals taking course work for nine college credits is \$106. This includes:

Camp Fee (season)	\$ 5.00
Board and Lodging (\$7.00 a week)	56.00
Nine Course Credits (\$5.00 a semester hour)	45.00
Total Cost for Eight Weeks	\$106.00

The five-week period, corresponding to the regular campus summer session, begins on Monday, June 30, and ends on Saturday, August 2. To make it possible for students to earn six credits in five weeks, classes will be held six days a week during this term. The post session begins on Monday, August 4, and closes on Friday, August 22. Students may enroll for either the Six Weeks or the Post-Three Weeks Session, or for both.

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 1941 six weeks term, classes will be conducted in a special room, the intermediate grades, and the junior high school grades. The College students will make use of these facilities for observation in connec-

tion 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 May 31.

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 23. 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,

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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 \$21 more is charged 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

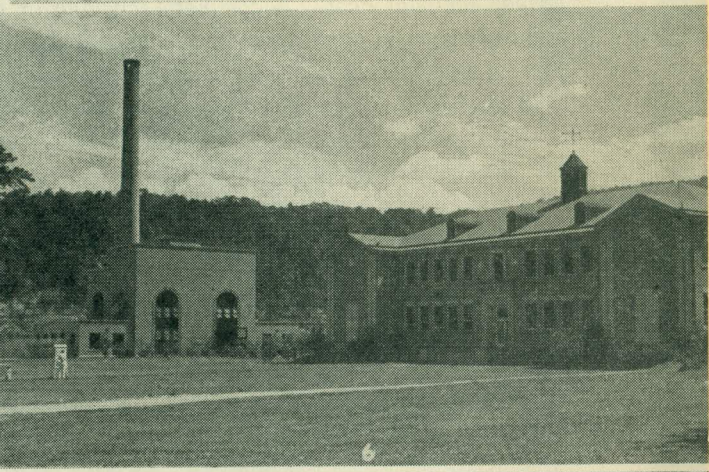
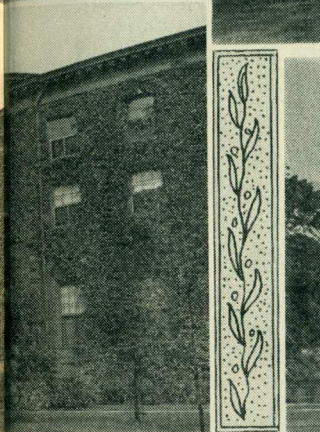
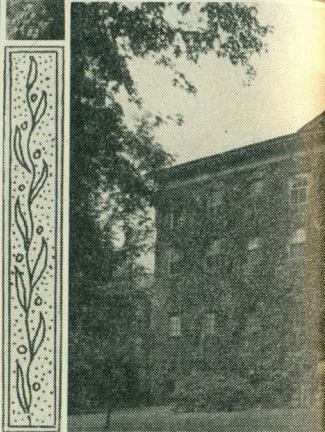
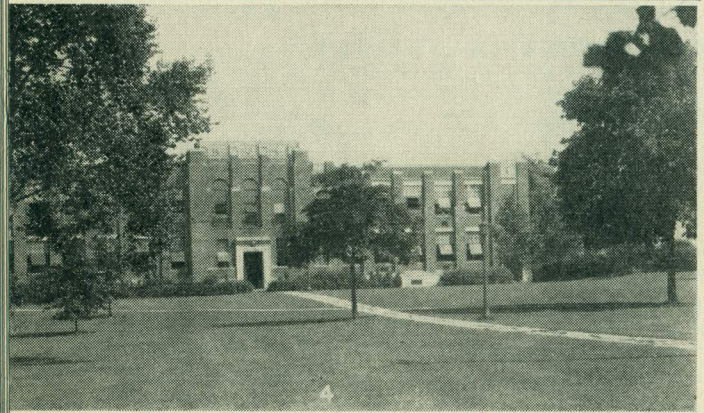
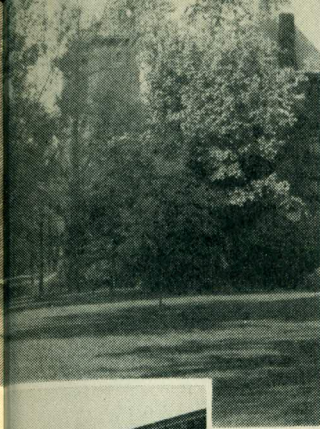
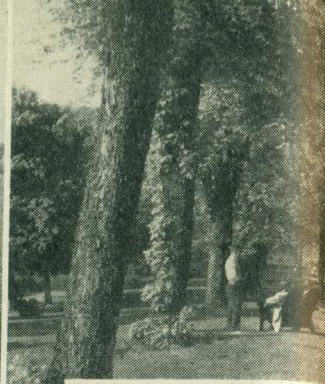
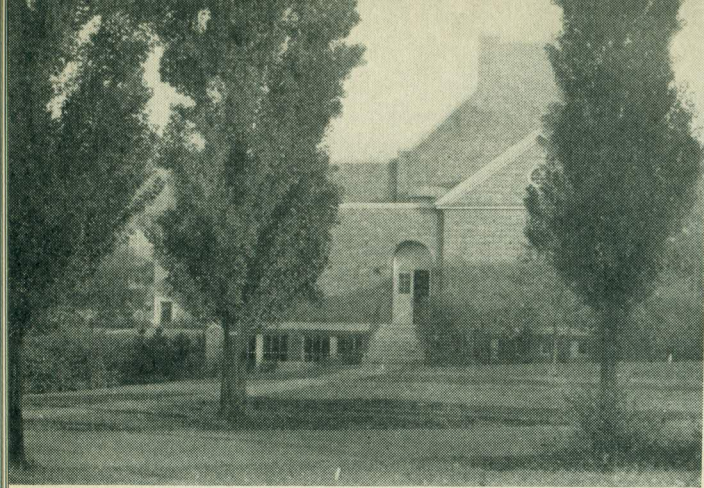
Contingent Fee for a Semester Hour of Credit	
Elementary and Secondary Curriculums	\$ 5.00
Industrial Arts Curriculum—With an Additional Charge of \$6.00 for the Regular Session and \$3.00 for the Post Term	5.00
Student Activity Fee	2.00
Minimum Contingent Fee	15.00
Out-of-State Students, Additional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

Social and Recreational Features

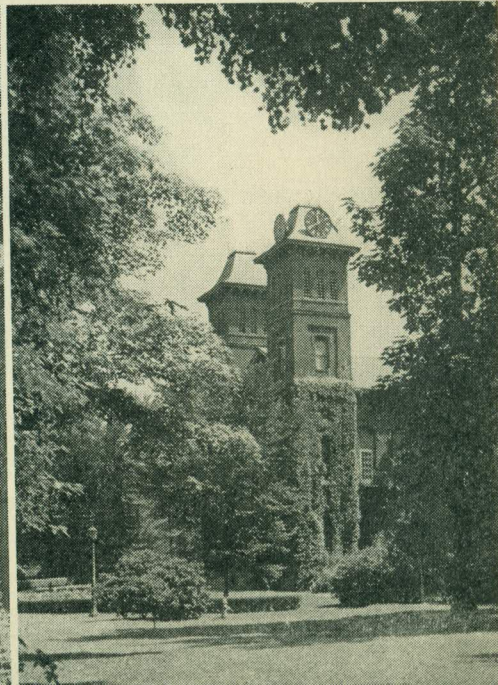
Although practically all morning and, in some instances, certain afternoons are taken by classes and study, considerable time is devoted in the afternoons to a recreational, social, and cultural program.

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



1. Herron Hall Gymnasium 2. Field 3. Memorial Gateway
 4. Noss Laboratory School 5. Dining Hall 6. Industrial Arts Building
 7. Science Hall 8 and 9. The Towers 10. The Towers



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 1941 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

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 8:00-11:00, M205; given only in the Post-Three Weeks Session.

CURRICULUM IN ELEMENTARY SCIENCE 3 cr.

A survey is made of the elementary science programs in representative schools of the United States for purposes of comparison with the Pennsylvania course of study. The principles of selection, as well as the preparation and use of demonstration materials in teaching elementary science; the organization and supervision of flower, nature, and Audubon clubs.

Hurst, Daily 10:50-12:20, S104; Laboratory, Th. 1:30-3:30, S105

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 8:00-9:50, M209; given only in the Post-Three Weeks Session.

GUIDANCE 2 cr.

Educational, social, and vocational guidance are emphasized. Some attention is given to the meaning, scope, and method involved in the guidance movement.

Bontrager, Daily 10:50-11:45, H103.

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.

Claybour, Daily 7:30-9:00, H104

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 10:00-11:50, M209; given only in the Post-Three Weeks Session.

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PRE-SCHOOL CHILD 2 cr.

The problems of readiness for first grade work; experience in the use of tests and inventories; physical development, schedules for child guidance, and development of essential habits are studied.

Kerstetter, Daily 8:00-8:55, H103.

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 May 31; 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 May 31.

Gilland and Staff, Daily 7:30-12:00, Noss Laboratory School; Conferences, Daily 2:30-4:00, N201

TEACHING OF AMERICAN HISTORY AND GOVERNMENT 3 cr.

Modern methods, procedures, and techniques used for presenting American history and government are surveyed; the utilization of community resources is stressed; attention is directed to the means of developing healthy civic attitudes. The grade placement of materials, the types, techniques, and uses of testing, and the problem of developing sustained interest are thoroughly discussed.

Sacco, Daily 9:10-10:40, M202

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TEACHING OF READING 3 cr.

See Diagnosis 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.

Kerstetter, Daily 10:50-11:45, H16

English

ADVANCED COMPOSITION 3 cr.

Literary forms not considered in other courses in composition are studied, and some writing is attempted in these forms according to the interest and talent of the student.

Pardoe, Daily 9:10-10:40, M205

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 8:00-11:00, H101; given only in the Post-Three Weeks Session.

MODERN NOVEL 3 cr.

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

Hughey, Daily 7:30-9:00, 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 10:50-12:20, M205

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SHORT STORY 3 cr.

An interesting and somewhat unusual study of American literature through the medium of the American short story from Washington Irving to Irvin Cobb. The fact that most of the important writers contributed to the short story adds significance to the study. Representative stories from other literatures will be introduced to furnish a basis for contrast and appreciation.

Keller, Daily 8:00-11:00, M116; given only in the Post-Three Weeks Session.

WORLD LITERATURE 3 cr.

Selections from the literatures of Continental Europe and the Orient, chronologically presented in English translation; the examination of the author's thoughts rather than his style, and the tracing of consistent traditions in literature and life from ancient times to the present. Basic problems in the history of literary criticism and appreciation are also outlined.

Hughey, Daily 9:10-10:40, M206

Geography

GEOGRAPHY FIELD COURSE 6 cr.

A reconnaissance study of the Mississippi Valley; the Great Plains; the arid Southwest; intensively used areas of irrigation; natural wonders, such as the Grand Canyon, the Petrified Forest, Yellowstone National Park; and adjustments by man in contrasting environments. Daily guide sheets will be issued, and discussions will be held en route. The class will leave the campus by a comfortable, cruiser type, chartered bus on Monday, June 23, and will return on Friday, August 1. This course may be substituted for Geography of the United States and Canada and Physiography, or used for elective credit in either the elementary or secondary curriculum.

Staats, Daily; first meeting in S202

GEOGRAPHY OF PENNSYLVANIA 3 cr.

A regional approach to an understanding of the topographical features of the State, including land forms, drainage, climate, occupations, resources, and present-day trends as related to conserva-

tion. Some time is given to the regional planning program which the Commonwealth is emphasizing. Field trips to nearby points of interest are an integral part of the work.

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

Mathematics

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, Analytic Geometry, or Calculus 1 or 2.

Bernstorf, Daily 7:30-9:00, S1; given also in the Post-Three Weeks Session, **Stahl**, Daily 8:00-11:00, S1.

Industrial Arts

Drawing and Design

DRAWING AND DESIGN 1. MECHANICAL DRAWING 2 cr.

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

Hoover, Daily 1:30-3:30, I.A. 120

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 1:30-3:30, I.A. 120

DRAWING AND DESIGN 3. PRINTING DESIGN 2 cr.

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

Stavaski, Daily 1:30-3:30, I.A. 108

DRAWING AND DESIGN 5. ELECTRICAL DRAFTING 2 cr.

This 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.

Keck, Daily 1:30-3:30, I.A. 222

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.

Crow, Daily 1:30-3:30, I.A. 131

PRINCIPLES AND PRACTICES OF INDUSTRIAL ARTS TEACHING 2 cr.

Problems dealing with the organization and management of industrial arts classes, with special reference to general shop teaching procedures, are studied; the selection and care of equipment and supplies.

Coover, Daily 1:30-3:30, S1

Shop

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, 8:00-12:00; 1:00-5:00, I.A. 132; given only in the Post-Three Weeks Session.

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. 122

SHOP 3. PRINTING 1 4 cr.

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

Stavaski, Daily 7:30-11:30, I.A. 115

SHOP 4. MACHINE 1 4 cr.

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

Coover, Daily 7:30-11:30, I.A. 126

SHOP 5. ELECTRICITY 1 4 cr.

The fundamental principles of electricity in theory and in practice. Practical instruction is given in work in bell, annunciator, burglar and fire alarm, and various types of house wiring systems.

Keck, Daily 7:30-11:30, I.A. 215

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, 8:00-12:00; 1:00-5:00, I.A. 132; given only in the Post-Three Weeks Session.

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 7:30-11:30, I.A. 115

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 8:00-12:00; 1:00-5:00, I.A. 126; given only in the Post-Three Weeks Session.

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.

Hoover, Daily 7:30-11:30, I.A. 122

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; 1:00-5:00, I.A. 126; given only in the Post-Three Weeks Session.

SHOP 16. CERAMICS 4 cr.

Designed to give fundamental background in the major forming, decorating, and firing processes in clay. Handbuilding, casting, and throwing will be emphasized in the development of individual artware and pottery pieces.

Crow, Daily 7:30-11:30, I.A. 213

Science

Biological Science

GENETICS 3 cr.

The mechanism and principles governing heredity; emphasis will be placed upon the inheritance of human mental and physical traits; no laboratory work.

McCoy, Daily 9:10-10:40, S104

PHYSIOLOGY 3 cr.

This is a course in human physiology, based on laboratory work. Anatomy and histology are injected to make the work meaningful, and emphasis is given to studies of the supporting tissues, muscles, nervous system, the circulatory system, respiration, digestion, excretion, reproduction, and the voice.

McCoy, Daily 7:30-9:00, S104; Laboratory, W. 1:30-3:30, S105

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 9:10-10:40, S102

SOUND 3 cr.

The nature and general phenomena of sound waves, including a survey of the scientific basis of music and the operation of musical instruments.

Oerlein, Daily 8:00-12:00, S205; given only in the Post-Three Weeks Session.

Social Studies**History**

EUROPEAN HISTORY 2. MODERN 3 cr.

The political, social, and economic development of Europe after 1815. An attempt is made to emphasize those features which have a definite bearing on world affairs of today, particularly as European backgrounds influence conditions and situations in the United States.

Lecron, Daily 9:10-10:40, N201

HISTORY OF PENNSYLVANIA 3 cr.

The growth of the Commonwealth, showing the racial traits and characteristics; the transportation, industrial, social, and cultural contribution to the nation are emphasized. Pennsylvania's part in national movements is stressed.

Montgomery, Daily 8:00-11:00, M202; given only in the Post-Three Weeks Session.

UNITED STATES HISTORY 1 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.

Sacco, Daily 10:50-12:20, M202.

Social Science

CIVIC EDUCATION 3 cr.

The development of a program for citizenship training in the elementary school; includes a basic outline for character education.

Bontrager, Daily 10:50-12:20, H103

CONTEMPORARY ECONOMIC PROBLEMS 3 cr.

Certain vital economic problems are selected for intensive treatment. Among those considered for study are: trust regulation, credit control, labor organization, public utilities, business cycles, co-operatives, and profit sharing.

Hart, Daily 7:30-9:00, H102

MUNICIPAL GOVERNMENT 3 cr.

Particular attention is given to the governmental organization of the several classifications of cities in Pennsylvania and also to the

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prevailing forms of administration found in boroughs and townships of the Commonwealth.

Hart, Daily 9:10-10:40, H102

Special Education

ART CRAFTS 1 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 8:00-12:00; 1:00-3:00, I.A. 202; given only in the Post-Three Weeks Session.

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.

Leacock, Daily 8:00-12:00; 1:00-3:00, I.A. 202; given only in the Post-Three Weeks Session.

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.

Bontrager, Daily 7:30-9:00, 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 nearby institutions.

Wilson, Daily 8:00-11:00, H103; given only in the Post-Three Weeks Session.

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, Daily 11:25-12:20 and by appointment, N201

STUDENT TEACHING IN SPECIAL CLASSES 1 or 2 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 7:30-8:25 and by appointment, 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.

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

PSYCHOLOGY OF SPEECH 3 cr.

The psychological approach in diagnosis of speech difficulties, with emphasis on the treatment of stuttering. The course begins with the development of language in the child.

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

SPEECH CLINIC 1, 2 2 or 3 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.

Morley, Daily 10:30-1:30 and by appointment; given only at Camp California; given also in the Post-Three Weeks Session, 8:00-11:00; 1:00-4:00 at Camp California.

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.

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

**Time Schedule of Classes
Six Weeks Session**

(Classes meet daily unless otherwise indicated)

First Period 7:30-9:00			
Course	Cr.	Room	Instructor
Contemporary Eco. Prob.	3	H102	Hart
Diag. and Rem. Instr.	3	N201	Bontrager
Geography Field Course	6	S202	Staats
Mathematics	3	S1	Bernstorf
Modern Novel	3	M206	Hughey
New Meth. in the Elementary School	3	H104	Claybour
Physiology	3	S104 (Lab. W, 1:00-3:30, S105)	McCoy
Pre-School Child	2	H103 (8:00-8:55)	Kerstetter
Shop 2. Sheetmetal 1	4	I.A.122 (7:30-11:30)	Hoover
Shop 3. Printing 1	4	I.A.115 (7:30-11:30)	Stavaski
Shop 4. Machine 1	4	I.A.126 (7:30-11:30)	Coover
Shop 5. Electricity 1	4	I.A.215 (7:30-11:30)	Keck
Shop 9. Printing 2	4	I.A.115 (7:30-11:30)	Stavaski
Shop 12. Sheetmetal 2	4	I.A.122 (7:30-11:30)	Hoover
Shop 16. Ceramics	4	I.A.213 (7:30-11:30)	Crow
Special Class Teaching 1	or 2	Noss (7:30-8:25 and by appointment)	Greco
Speech Problems	2	Camp (8:00-9:30)	Morley
Stud. Tchg. in the Elementary School	6	Noss (7:30-12:00; 1:00-2:30)	Gilland and Staff
Stud. Tchg. in the Secondary School	6	Noss (7:30-12:00; 2:30-4:00)	Gilland and Staff
Teaching of Reading	3	N201	Bontrager
Second Period 9:10-10:40			
Advanced Composition	3	M205	Pardoe
Astronomy	3	S102	Hurst
European History 2	3	N201	Lecron

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Course	Cr.	Room	Instructor
Genetics	3	S104	McCoy
Mental Tests	3	H103	Kerstetter
Municipal Government	3	H102	Hart
Phonetics	2	Camp (9:30-10:30)	Morley
Tchg. of Am. History and Government	3	M202	Sacco
World Literature	3	M206	Hughey

Third Period 10:50-12:20

Civic Education	3	H103	Bontrager
Curr. in Elem. Science	3	S104 (Lab. Th. 1:00-3:30, S105)	Hurst
Guidance	2	H103 (10:50-11:45)	Bontrager
Romantic Literature	3	M205	Pardoe
Sociology	3	H101	Sacco
Special Class Methods	2	N201 (11:25-12:20 and by appointment)	Greco
Speech Clinic 1, 2	2 or 3	Camp (10:30-1:30 and by appointment)	Morley
United States History 1	3	M202	Sacco
Visual Education	1	H16 (10:50-11:45)	Kerstetter

Fourth Period 1:00-3:30

D. and D. 1. Mechanical Drawing	2	I.A.120	Hoover
D. and D. 2. Sheetmetal Drafting	2	I.A.120	Hoover
D. and D. 3. Printing Design	2	I.A.108	Stavaski
D. and D. 5. Electrical Drafting	2	I.A.222	Keck
D. and D. 7. Individual Instruction Sheets	2	I.A.131	Crow
Prin. and Prac. of Ind. Arts Teaching	2	S1	Coover

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Post-Three Weeks Session

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

Course	Cr.	Room	Instructor
Art Crafts 1	3	I.A.202 (8:00-12:00; 1:00-3:00)	Leacock
Art Crafts 2	3	I.A.202 (8:00-12:00; 1:00-3:00)	Leacock
Children's Literature	3	H101	Carroll
Educa. Measurements	2	M209 (8:00-9:50)	Neagley
Geog. of Pennsylvania	3	S202	Harding
History of Pennsylvania	3	M202	Montgomery
Mathematics	3	S1	Stahl
Mental Hygiene	3	H103	Wilson
Philosophy of Education	3	M209 (10:00-11:50)	Neagley
Psychology of Speech	3	Camp	Morley
Shop 1. Woodworking 1	4	I.A.132 (8:00-12:00; 1:00-5:00)	Bauer
Shop 6. Woodworking 2	4	I.A.132 (8:00-12:00; 1:00-5:00)	Bauer
Shop 10. Art Metal 1	4	I.A.126 (8:00-12:00; 1:00-5:00)	Coover
Shop 14. Art Metal 2	4	I.A.126 (8:00-12:00; 1:00-5:00)	Coover
Short Story	3	M116	Keller
Sound	3	S205 (8:00-12:00)	Oerlein
Speech Clinic 1, 2	2 or 3	Camp (8:00-11:00; 1:00-4:00)	Morley
Tchg. of Arithmetic	3	M205	Salisbury

Building Abbreviations

H—Herron Hall

M—Main Hall

I.A.—Industrial Arts Building

N—Noss School

S—Science Hall

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**Teachers and books educate in so far
as they lead the pupil or reader to think
for himself and to institute new processes.**

—Henry Barnard