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STATE TEACHERS COLLEGE

S. T. C. AT BUFFALO

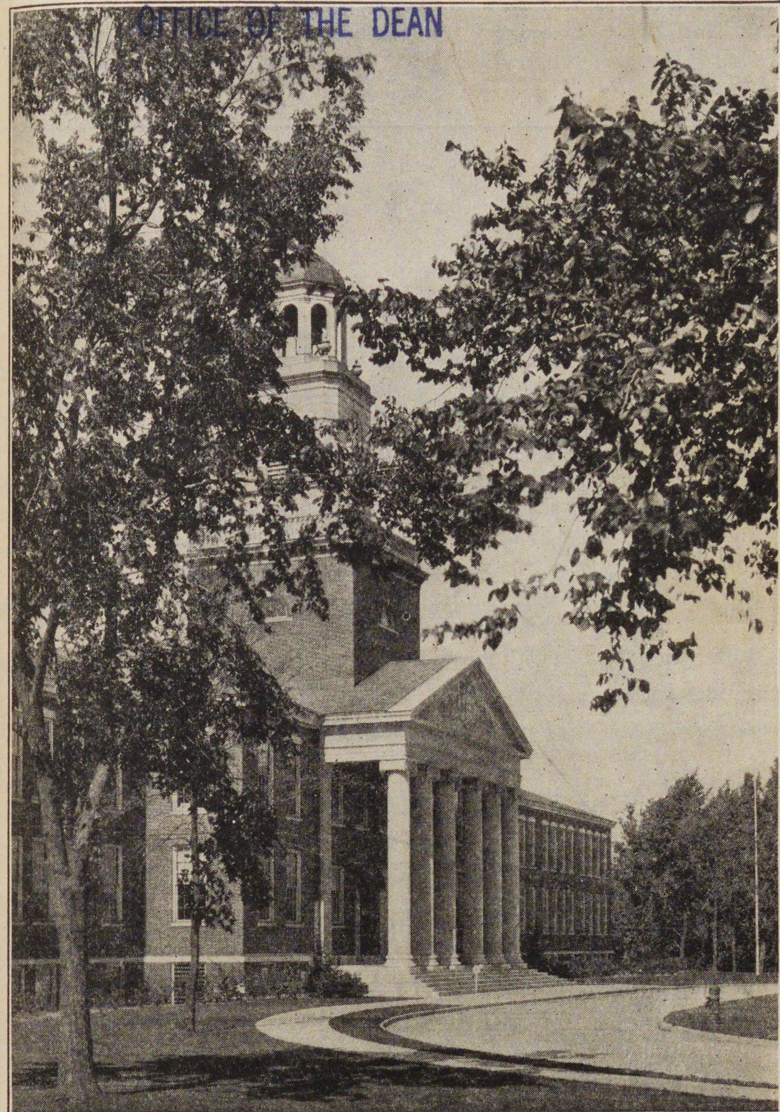
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BULLETIN

BUFFALO, NEW YORK

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SUMMER SESSION ISSUE

VOL. XI, No. 3

MAY 1943



TWENTY-SEVENTH SUMMER SESSION

July Sixth to August Thirteenth

Nineteen Forty-three

STATE TEACHERS COLLEGE BULLETIN

Summer Catalog Issue May 1943 Vol. XI No. 3
One of Four Publications Issued Quarterly by State Teachers College
of Buffalo, N. Y.

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CALENDAR

- June 28th—8:00-9:00 A.M.—Faculty Meeting (for Accelerated Program).
- June 28th—9:00 A.M.—Registration for Accelerated Program (only for entering freshmen and students of the regular session).
- July 6th—8:00-9:00 A.M.—Faculty Meeting (for Summer Session Faculty) in the College Library.
- July 6th—9:00 A.M.—General Meeting and Instruction for Registration in the Auditorium, State Teachers College, Buffalo. Registration closes at 4:00 P.M.
- July 7th—Regular classwork begins. A late registration fee will be charged after this date. Late registrants will report to Registrar's Office.
- July 10th—Saturday session to make up for Holiday.
- August 13th—Summer Session closes at 2:00 P.M.
- August 20th—Accelerated Program closes at 2:00 P.M.

SUMMER SESSION FACULTY

- Harry W. Rockwell.....President
President, State Teachers College at Buffalo
- Ralph Horn.....Director of Summer Session
Dean, State Teachers College at Buffalo
- Robert E. Albright.....History and Social Studies
Professor of Sociology and Director of Extension, State Teachers College
at Buffalo
- Grace A. Allen.....Workshop in Elementary Education
Assistant Director of Training, State Teachers College at Buffalo
- George W. Brighton.....Demonstration Teacher, Grades 5 and 6
Teacher, Amherst School No. 18, Snyder
- Marion Buchholz.....Assistant Librarian
Assistant Librarian, State Teachers College at Buffalo
- Margaret S. Chew.....Geography
Instructor, High School, Evanston, Ill.
- Harold C. Crain.....English and Literature
Instructor in English, State Teachers College at Buffalo
- Sherman G. Crayton.....Special Class Education
Professor of Education, State Teachers College at Buffalo
- Stanley A. Czurles.....Art
Assistant Professor of Art Education, State Teachers College at Buffalo
- Ernest R. Dalton.....Economics and History
Instructor in History, Nabnasset High School, Nabnasset, Mass.
- Mary L. Darker.....Demonstration Teacher, Grades 1 and 2
Instructor in School No. 52, Buffalo
- Robert O. DeMond.....History and Social Studies
Head, History Department, State Teachers College at Buffalo
- Margaret Dupre.....Science
Instructor in Science, State Teachers College at Buffalo
- Reuben S. Ebert.....Mathematics
Head, Mathematics Department, State Teachers College at Buffalo
- Raymond M. Fretz.....Science
Assistant Professor of Science, State Teachers College at Buffalo
- Hertha S. Ganey.....English and Literature
Instructor in English and Latin, State Teachers College at Buffalo
- Mina S. Goossen.....Speech Education
Assistant Professor of English and Dramatics, State Teachers College at Buffalo
- Margaret A. Grant.....Home Economics
Instructor in Home Economics, State Teachers College at Buffalo
- George W. Haupt.....Science
Department of Science, State Teachers College, Glassboro, New Jersey
- Frances G. Hepinstall.....Librarian
Librarian, State Teachers College at Buffalo

Oscar E. Hertzberg.....	Educational Psychology
Professor of Psychology and Director of Research, State Teachers College at Buffalo	
Irene Hirsch.....	Education and Literature
Assistant Professor of Education, State Teachers College at Buffalo	
Alfred Holman, Jr.....	English and Literature
Instructor in English, State Teachers College at Buffalo	
Arline Johnson.....	Home Economics
Instructor in Home Economics, State Teachers College at Buffalo	
Harry C. Johnson.....	Mathematics
Instructor in Mathematics and Science, State Teachers College at Buffalo	
Lester B. Mason.....	History
Instructor in History, State Teachers College at Buffalo	
Ruth Muck.....	Demonstration Teacher, Grades 3 and 4
Instructor in Third Grade, School of Practice, State Teachers College at Buffalo	
Eileen Mulholland.....	English and Literature
Assistant Professor of English, State Teachers College at Buffalo	
Ruth Palmer.....	Aviation and Nutrition
Instructor in Home Economics, State Teachers College at Buffalo	
Martha S. Pratt.....	Vocational Homemaking Supervision
Assistant Professor of Home Economics, State Teachers College at Buffalo	
Chester A. Pugsley.....	Elementary School Supervision and Principalship
Professor of Elementary School Administration, State Teachers College at Buffalo and Principal of the School of Practice, Buffalo	
Mildred S. Roesser.....	History
(Acting) Instructor in History, State Teachers College at Buffalo	
Martin H. Rogers.....	Recreation and Health Education
(Acting) Instructor in Health Education and Coach, State Teachers College at Buffalo	
Earl B. Shaw.....	Geography
Professor of Geography, State Teachers College, Worcester, Mass.	
Mildred L. Sipp.....	Home Economics
Head, Home Economics Department, State Teachers College at Buffalo	
Ray W. Spear.....	Science
(Acting) Principal of Bennett High School, Buffalo	
Harry J. Steel.....	Education and Principal of Demonstration School
Director of Training, State Teachers College at Buffalo	
Emmet C. Stopher, Jr.....	Mathematics
Head, Mathematics Department, Brockport State Teachers College, Brockport	
John M. Thurber.....	English and Literature
Head, English Department, State Teachers College at Buffalo	
Charles A. Vail.....	Science
Instructor in Science, State Teachers College at Buffalo	
Katheryne T. Whittemore.....	Geography
Head, Geography Department, State Teachers College at Buffalo	
Kate V. Wofford.....	Director of Workshop
Head, Rural Education Department, State Teachers College at Buffalo	

SPECIAL FEATURES OF THE 1943 SUMMER SESSION

1. A two weeks workshop in Elementary Education offering a splendid opportunity for elementary teachers to work on their special problems under expert leadership. Also especially helpful to those re-entering the profession who are seeking opportunity for reorientation to the problems and procedures of elementary education.
2. A group of offerings designed especially for students interested in the administration and supervision of the Elementary Schools and leading to either temporary or permanent certification for the Elementary School Principalship.
3. A wide variety of offerings in History and Sociology. Includes parallel courses in the new and interesting fields of the geography and history of Latin America, thus enabling students to work on the problem of integration.
4. Eight selected Science courses suited to the work of the elementary teacher and to students who are seeking special certification for junior high school work in Science.
5. A demonstration school furnishing demonstrations to education classes and offering opportunities for individual observation. This work includes a cross section of the regular six grade elementary school.
6. Assembly programs featuring prominent speakers in various fields such as music, science, and literature and special emphasis upon a visual program at least once a week.
7. A course will be given in Introduction to Aviation for elementary teachers.
8. A series of conferences centered around the general problem of "Organizing and Administering the Elementary School for Wartime Needs".
9. Special work in Speech Education and Correction.
10. Special courses in Education of the Physically Handicapped.
11. A wide variety of electives in the field of Literature.
12. A well organized and directed series of educational trips designed for the benefit of teachers who are interested in broadening their experiences and improving their background for teaching in the elementary field. These trips will be selected and conducted with the purpose of securing maximum educational values for teachers.
13. Special offerings in Home Economics for teachers of home economics, those who have taught and desire some refresher courses, and those interested in electives in this field.

IDEAL LOCATION OF TEACHERS COLLEGE

State Teachers College, located in Buffalo, the Queen City of the Lakes, is an ideal place to spend a summer vacation. The climate, tempered by the westerly winds from the Great Lakes region, has a mean summer temperature lower than any other of the eastern cities. This factor is exceedingly important in determining the success and satisfaction of a summer session.

All highways lead to Buffalo, and hence it may be easily reached by those who wish to travel by automobile. Possession of a car facilitates week-end motor trips to Niagara Falls and other places of scenic beauty, as well as to many points of historic interest in the area of which Buffalo is the center. Situated at the head of Lake Erie, and a terminal point for important boat lines and railways, Buffalo is convenient of access to persons wishing to travel by water or by rail.

The college is conveniently located on Elmwood Avenue, adjacent to Delaware Park and Park Lake, and it is easily reached by bus or taxi service. With the nearby Albright Art Gallery and the Historical Museum, it constitutes an important educational center. Affiliation with the Buffalo School of Fine Arts and the cooperation of the Buffalo Museum of Science also greatly increases the facilities of the college.

ADMISSION

The six weeks summer session is open to any person who has taught or who intends to teach the coming year in the schools of the State. No formal application for admission to the summer session is required. Students who intend to matriculate for the Bachelor's Degree should read carefully item (7) under the statement of CREDIT. Other students may register as special students until such time as they may decide to matriculate for the degree. This session is not open to high school graduates without teaching experience or to students who have not completed high school. No secondary school work is offered in the summer session.

Students who are delinquent in the regular session and desire to make up such delinquency in Summer Session must receive permission from the Dean before applying for registration.

FEES

The State Department has authorized the collection of Registration fees from all students attending the State Teachers Colleges. This is made necessary by the small appropriation available for summer sessions. This year the fees will be \$30.00 for the full six weeks session with full schedule; \$20.00 for a schedule of four hours or less; and \$15.00 for any of the two weeks special courses or a single six weeks course. All fees are due at the time of registration. No refunds will be made after July 10th. *All checks in payment of fees should be made to Summer Session, State Teachers College.* These fees are in addition to the tuition fee

paid by non-resident students. Out-of-state students will pay a tuition fee of \$15.00 for the six-weeks session. Students entering July 7th. or later will be required to pay a late Registration Fee, which is cumulative at the rate of \$1.00 per day. There is a maximum of \$3.00 for registration on July 10th. which is the last day for admission to classes for credit.

BOARD AND ROOMS

Comfortable rooms in good homes near the College may be secured at about the following rates:

One person occupying a room, \$4.00 per week and upwards.

Two persons occupying a room, from \$3.50 per person per week and upwards.

Room and board in same house (two in a room), from \$10.00 and upwards per person per week.

All inquiries concerning room and board should be addressed to the Housing Committee, State Teachers College at Buffalo, Buffalo, New York.

CREDIT

In obtaining credit for work completed at the Summer Session, the following regulations will obtain:

(1) Work done in courses at the Summer Session will be as nearly as possible equivalent to the work of the same courses during the regular session. Therefore, courses will be credited hour for hour on the basis of semester-hour credit.

(2) **The maximum amount of credit allowed is eight semester hours. Students are strongly advised to attempt not more than six semester hours of work.**

(3) Courses carrying two semester hours of credit in the regular curriculum are conducted one hour daily in the Summer Session; those carrying three semester hours of credit will meet eight hours per week; those carrying four semester hours of credit in the regular curriculum are conducted two hours daily in the Summer Session. An exception to this rule is made in courses requiring laboratory work. No partial credits are given. Students who are delinquent in the regular session and desire to make up such delinquency in the Summer Session must receive permission from the Dean before applying for registration in the Summer Session and the individual program will be adjusted in accordance with the student's previous record.

(4) Beginning September, 1926, a fourth year leading to the degree of Bachelor of Science in Education was added to the curriculum. Students in all departments are now required to complete a four-year curriculum in this college, in order to receive the degree, Bachelor of Science in Education. Credit towards this degree may be earned in part by our two or three year graduates in the Summer Session, after consultation with the President, Dean, Registrar or Director. No one will be graduated from this college

in the future who has not completed his work for the Bachelor's degree and no one will be granted such degree who has not completed a minimum of 32 semester hours of work in residence. It is also required that the last semester's work before graduation must be in residence. Residence work includes all work done on this campus.

(5) A graduate of a high school curriculum approved by the Commissioner of Education, who after graduation completed a year's course in a Training Class and has had at least one year of experience in teaching since graduation from a Training Class, may receive advanced credit equivalent to one year on the four-year curriculum.

(6) In September, 1938, all New York State Normal Schools and Teachers College at Buffalo entered upon a new curriculum for the preparation of elementary teachers. The senior year of this curriculum was completed and the first class was graduated in June, 1942. Students with advanced credit will find it necessary to have their work evaluated by the Dean or Registrar in terms of the new curriculum. An increased number of the new curriculum courses are being offered this summer. It still seems desirable to offer some of the old curriculum courses to enable students to complete their work for the degree on that basis. In all probability, future summer sessions will be conducted on the basis of the new curriculum. Students needing the old curriculum courses should consult the Dean or Registrar to make sure that acceptable substitutions are made for those courses no longer offered.

(7) Students who intend to matriculate for the Bachelor's degree in this college and who wish to transfer from another institution should have official transfers of their record mailed to the Registrar of this college well in advance of the opening of the summer session in order that they may be advised of their program.

(8) Graduates of the Three-Year Normal Course expecting to qualify for the degree should have their individual records evaluated, as explained above. If they have completed the regular required curriculum without deviation, their requirements will probably be as follows:

Students graduated from normal school three-year courses prior to 1937 are required to earn 32 hours of resident credit in fourth-year work including a minimum of twenty-four hours content. Twenty-one hours must be chosen from two of the content groups. The remaining hours are free electives.

Students graduated from normal school three-year courses in 1937 and thereafter will be required to complete the following: 3 hours, English 304 (American Literature); 3 hours, Drama; 3 hours, Principles of Education or Education 402 (Seminar in Elementary Education); 3 hours, American History (not Social Studies 301-2); 3 hours, Modern Social Trends or Social Studies 402 (Sociology); and 17 hours elective, including a minimum of 12 hours in content courses. Any of these courses, however,

which may have been completed in normal school should not be repeated.

All those who received the provisional form of certificate are reminded that State Department regulations provide that of the additional work leading to the permanent form of certification "24 hours . . . shall have been in academic or content courses". This must be kept in mind in choosing electives, and applies also to those who hold the permanent form of certificate and are working for the degree. All graduates of 3-year courses must include 24 hours content in the fourth year, excepting students seeking certification for elementary principals or special class teachers.

The college cannot be responsible for the award of the degree or certification to those who fail to observe this regulation.

Attention is also called to the fact that State Department regulations now provide that on and after January 1, 1943, a candidate for certification to teach an academic subject (this includes junior high school) "shall have completed an approved four-year curriculum leading to the baccalaureate degree (or equivalent preparation) and, in addition 30 semester hours in approved advanced courses".

SCHEDULE

First Class Period.....	8:10- 9:00
Second Class Period.....	9:10-10:00
Third Class Period (Tuesday, Wednesday, and Friday).....	10:10-11:00
Assembly Period (Monday and Thursday).....	10:10-11:15
Fourth Class Period.....	11:10-12:00
Fifth Class Period.....	12:10- 1:00
Sixth Class Period.....	1:10- 2:00

NOTE—Students must plan for a lunch period in making their elections. The Cafeteria will be open from 11:15 to 1:30. On Mondays and Thursdays the fourth period classes, and following, will begin 25 minutes after the hour and close on the quarter hour (11:25-12:15, etc.)

ASSEMBLY

As indicated above, there will be two assembly periods each week. While attendance is not required all students are urged to encourage and promote successful and profitable assemblies by their full cooperation and regular attendance. Special effort is being made to have two good assemblies each week. One of these will bring to the student body an outstanding lecturer, entertainer, or musician. The other is planned for a special feature of particular educational value.

CURRICULA

I. General Elementary Curriculum. Candidates desiring to earn credit on the General College curriculum toward their degree may do so by electing the proper courses. Care should be taken that subjects elected apply on the desired curriculum and form the proper sequences. If in doubt, consult the Director of the Summer Session or the Registrar.

II. Curriculum for Teachers in Service. In the arrangement of our Summer Session offerings, special thought is always given to the needs of the teacher in service. While many of these will be desirous of working toward the degree, there will still be some who wish, primarily, to improve their professional preparation for their work. For such, there will be found listed among the various courses much that will be of interest.

The Workshop in Elementary Education is especially designed for this purpose.

III. Curriculum for Elementary School Principals. For the past thirteen years Teachers College has been developing a program for the training of Elementary School Principals. Several courses selected from this program are offered in the summer session. It is hoped that these will appeal to a number of active and prospective principals. These courses will provide credit toward the State requirements for the certification of Elementary School Principals. The present requirements for principalship certification will continue to be effective until July, 1944 or later according to notice.

IV. Home Economics Curriculum. To meet the various demands of the war situation the Home Economics Department is offering a number of special courses. These are designed for home economics teachers, teachers who have taught home economics and are re-entering the service, and general elementary students who desire such courses for electives.

V. Special Education. Special courses for preparation of teachers of the physically handicapped are offered. Teachers specializing in these fields will enjoy the privilege of elections in other departments, restricted only by the requirements of their own special program. Advanced courses leading to permanent certification are now offered in this field. Courses in Speech Correction will also be offered this summer.

General Elementary students interested in electing in any of this work for credit towards their degree should consult with the Dean or the Registrar.

VI. Courses Approved for Certification of Dental Hygienists. Because of financial difficulties special courses formerly available for Dental Hygienists are not offered in this college. In lieu of such courses the State Department will accept substitutes. It is advisable for prospective students interested in this field to communicate with either Dr. Chauncey D. Van Alstine or Dr. Hermann Cooper in the State Education Department, Albany, New York, before deciding to enroll in our summer session.

DEMONSTRATION SCHOOL

We have always maintained a demonstration school during summer session for the purpose of demonstrating to students of Education the relationship of theory to practice in a modern elementary school. This summer there will be three rooms covering the work of the first six grades. Any prospective summer session students who have children in their families that they would like to enroll in the Demonstration School may have this privilege. Likewise they may enroll any pupil in their school whom they would like. Just write to the Director.

The school has been used in past summers extensively and has greatly strengthened the courses in Education. This same service will be continued and the school will also be open to summer session students for individual observations. There will be a limited opportunity for a few students to do practice teaching work. Arrangements for this should be made in advance of the summer session.

Dr. Harry J. Steel, Director of Training, Buffalo State Teachers College, will be in charge of the Summer Demonstration School and a corps of experienced teachers has been selected for this work. Because of their broad experience, they will be capable of demonstrating modern methods of teaching. Three classes have been organized covering the work of the first six grades. These classes begin at 9:00 o'clock. The primary room will be open until 12:15 daily. The other rooms may be kept open for a longer time in order to provide for a greater variety of work and give more extended opportunity for observation. Anyone desiring to enroll children in any of the classes of the Demonstration School may address communications to the Principal of the Demonstration School, Teachers College, Buffalo, New York.

WORKSHOP FOR EXPERIENCED TEACHERS

Another elementary education Workshop for experienced teachers will be held at the College during the last two weeks of the summer session, August 2 to August 13. The purposes of the Workshop are:

1. To give experienced teachers an opportunity to participate in a "refresher" course that emphasizes Modern Educational Methods.
2. To provide opportunities for teachers to work on individual problems under expert guidance.
3. To provide summer school experiences for teachers who cannot attend for a longer period of time.

It is hoped that many teachers coming back into teaching during the war emergency will take advantage of the Workshop, as well as teachers already in the field. Much use will be made of the demonstration teachers in the practice school. The Workshop is recommended for both urban and rural teachers. The Workshop carries two college credits and the fee will be fifteen dollars.

For further information address Dr. Kate V. Wofford, Director of Workshop, State Teachers College at Buffalo.

THE SOCIAL STUDIES PROGRAM

The parallel courses offered last summer dealing with the history and geography of Latin America were so well received that we have decided to repeat the offering. This combination should be of special interest to all who are working out an integration of the history and geography of these countries. In addition to these courses there are included those which give special attention to important phases of the present world conflict. Students should have no difficulty in finding courses in these fields to meet their interests and needs.

OFFERINGS IN THE SCIENCE DEPARTMENT

Because of the tremendous demands for individuals with science background in all phases of our war torn world every effort has been made to provide liberal and comprehensive offerings in this area. For those anticipating military service or specialized work in war industries we are offering Chemistry, Physics, Astronomy, Aviation, Physiology and Hygiene, and Meteorology. Students interested in meeting special Kindergarten requirements may elect Zoology. Several courses are also well adapted to the needs of students who want to improve their background for teaching the elementary school science program.

SPEECH EDUCATION

The work in Speech Education and Correction which was initiated in 1940 is to be continued this summer and we trust that many people will be interested in this very important work which is to be conducted by Miss Mina S. Goossen, Assistant Professor of Speech, State Teachers College at Buffalo. The courses should appeal to elementary teachers who are desirous of understanding speech difficulties and being able to recognize them in their incipency. Miss Goossen will demonstrate with clinic case work so that students will be in a position to deal with such cases if they find them in their classrooms.

OFFERING FOR PRINCIPALSHIP CERTIFICATION

For many years Teachers College has been a gathering ground for those seeking qualifications for principalship certification. The offerings this summer will cover the essential aspects of the principal's work and in addition will be enriched with special attention to the influence of the war emergency on the principal's work, and the far-reaching reconstruction which is underway as the schools bring themselves into alignment with the demands of the new air age which is upon us. Persons who are just entering on their principalship preparation, and those who have already begun, should consider the advisability of completing the certificate requirements before the present minimums are extended.

Questions regarding this program may be addressed to Dr. C. A. Pugsley, Professor Elementary School Administration, State Teachers College, Buffalo.

WARTIME RESPONSIBILITIES OF THE SCHOOL

In a total war the school must assume its rightful role in our all-out effort to win. We recognize our responsibility as a Teachers College in giving light and guidance to teachers for meeting these essential obligations to the children, the community, the state, and the nation. Hence, many opportunities will be provided for showing how the teacher and pupils make the greatest contribution to this conflict. All classes will endeavor to point out the impact of the war in their particular fields. The courses in mathematics, science, and social studies are developed to be directly serviceable. Efforts will be made to bring to the assembly platform some leading thinkers on war time and post-war problems. A series of conferences will be arranged bearing directly upon the school's responsibilities and ways and means of organizing for more effective participation.

Through the courtesy of the Office of War Information and other sources films will be presented which will help us get a fuller appreciation of the problem. Then, we will offer again the opportunity for those interested to take the course in Introduction to Aviation. Through these various means it is hoped that each shall get a better picture of his job in this struggle and glean some helpful ideas as to how he may make his school a more significant factor toward ultimate success.

EXTRA-CLASS ACTIVITIES

State Teachers College at Buffalo has always been a strong advocate of the personal and professional values to be derived from a well balanced and planned program of extra-class activities. Students, in past summers have had many fine, interesting, and profitable experiences and have frequently written back to us expressing their deep appreciation of the program.

This year several factors are present which make it essential for us to curtail greatly our program of extra-class activities. In the first place, war time demands on our time and effort gives us much less time for personal enjoyment and recreation. Second, the necessity for conservation of gas and rubber does not put our automobiles at our disposal for these purposes. Third, the increased load placed upon our public transportation systems by war industries and the armed services make it inadvisable for us to use them any more than is absolutely necessary. Fourth, the reduction in enrollment places limitations upon the extent and variety of such a program.

At the same time we feel that the value of such a program is evident and that there are still many things that can be done within

the above mentioned limitations that there is ample justification of continued emphasis upon this phase of the summer session. Our ideal location in the Queen City, Buffalo, places at the disposal of each student a large variety of recreational facilities, such as Delaware Park lake, museums, playgrounds, theatres, churches, Kleinhans Music Hall, etc. Educational trips in connection with class activities will be planned. A limited number of social programs will be arranged so that faculty and students may become acquainted and enjoy each other. The recreational facilities of the campus will be made available to the student. These include swimming, tennis, and badminton. Conferences and panel discussions will be arranged for afternoons. And, as usual, an interesting and stimulating series of assembly programs will be arranged for your entertainment and professional improvement. As in the past, the Summer Session Record will be published to keep each student fully informed on what is taking place.

THE ACCELERATED PROGRAM

This summer State will offer an eight weeks accelerated program, from June 28 to August 20. Only entering freshmen and students of regular session who are in good standing may register for this session. Entering freshmen can finish the regular four year program in three years by taking three regular sessions and three summer sessions. Those finishing the freshman year now may do likewise. Sophomores may gain a half year by taking the accelerated program. High school seniors wishing to enter in June should write to the Director of Admissions for information.

LIBRARY

The college library is situated on the second floor of the main college building, facing the Albright Art Gallery. It occupies a spacious room seating about 150 students. The open shelves, reserved books, magazines and newspapers are available to all students and faculty. The picture and pamphlet files supplement other material and are for the use of the student teacher. Bound magazines are kept in the stack room, which is directly above the reading room. The Library, modern in every respect, affords a splendid opportunity for intensive study and recreational reading. An additional feature of our library service is known as The Bureau of Instructional Materials. This has been developed during the past two years and it is of great interest and value to student teachers and teachers in service who are seeking an abundance of rich material for the development of units. It is located in Room 203, adjacent to the Library. The Grosvenor Reference Library and the Buffalo Public Library are glad to render every possible service to students of the Summer Session.

Special Library Facilities

The Director of the nearby Historical Museum has agreed to make available for history students their fine collection of reference materials on American History. The Albright Art Gallery has recently opened a library containing a collection of reference works on art, and the Director of the Gallery has indicated his willingness to allow the art students of the Teachers College to make use of these facilities. The Museum of Natural Science in Humboldt Park has excellent facilities to supplement the work of science students.

IMPORTANT NOTICES

Plan for Registration. No formal application for admission to Summer Session is required (see "Admission" on page 6). Regular session students *must* have a permit from the Dean, indicating load to be scheduled. Registration begins at 9:00 A. M. Tuesday, July 6th, with a general assembly in the auditorium. Detailed registration instructions will be given at this time.

Text books and supplies. Text books are usually assigned for all summer session classes. These along with any other college supplies may be purchased in the College Co-Op Bookstore on the ground floor of the Main Building. This is a cooperative bookstore maintained for the benefit of the students.

Money. Students who come from outside the city to live in Buffalo during the Summer Session will find it possible to transfer their funds by depositing checks in a local bank and receiving their money after collection has been made by the bank. For this service, the bank will make a minimum charge of fifteen cents and more in proportion to the size of the check. American Express Company's or American Bankers' checks, commonly used by travelers, will be found most convenient. Certified checks issued by banks or personal checks require endorsement or identification and faculty members are not to be expected to render either service. No checks, either for faculty members or students will be cashed at the Financial Secretary's office.

DESCRIPTION OF COURSES

Numbering System

The numbers appearing before the titles of courses correspond to the numbering system in the general catalog. The numbers are all three figure numbers. The first figure of the number indicates the year of the curriculum in which the course primarily belongs. Variations from the year indicated in the catalog should not exceed one year and that only with permission. The letter "s" after a number indicates a parallel course given in the Summer session.

ART

Art 201s. Art in Everyday Life. The practical application of the principles of art in personal grooming and dress, in the selection of home furnishings, and in display arrangement. An approach to art from the standpoint of the consumer rather than the creator. Lectures, trips, readings, and projects. Five class hours per week. Two semester hours credit. Dr. Czurlis. Room 204.

Craft 400s. Workshop in the Crafts. This is a studio course in various forms of craft work. Individual instruction is offered in such crafts as tied and dyed, print and batik design, applied to textiles, metalcraft, jewelry and ceramic work. Either elementary or advanced work. Ten class hours per week. Three semester hours credit. Dr. Czurlis. Craft Shop.

EDUCATION

Ed. 102s. Child Behavior. This course considers primarily the roots of child behavior with which the teacher is daily confronted. Special attention will be given to (1) methods for developing a well-adjusted personality in the child; (2) ways of detecting and correcting early beginnings of maladjustment; (3) the school room as an agent of mental health of the child. Case material will be generously used and such problems as daydreaming, lying, stealing, fears, irritability, etc., will be dealt with. This course is planned especially to be of practical and immediate help to classroom teachers. Observations to study some of the above problems will be arranged as a part of the eight hours per week scheduled. Eight class hours per week. Three semester hours credit. Prerequisite: Ed 101 or the equivalent. Dr. Hertzberg. Room 220.

Ed. 305s. Kindergarten Education. A study and evaluation of the curriculum, methods and materials of the kindergarten. Special emphasis will be given to the nature, needs and experiences of four to six year old children. Social studies; music and art; block building; wood work; dramatic play; promotion practices; and other units will be developed according to the needs of the class. Elective for third and fourth year students who wish to be recommended as Kindergarten Teachers. May be taken as part of eight hours of professional electives allowed normal school graduates. Eight class hours per week. Three semester hours credit. Miss Hirsch. Room P.S.

Ed. 402s. Principles of Education. An attempt is made to guide the student to study critically certain principles underlying educational practice and if possible to formulate new principles for his own educational procedures. The course is organized in units of the problem type. Major problems to be considered are: (1) the nature and scope of a course in principles; (2) the nature of the child to be educated; (3) the meaning of education; (4) the kind of social order in which the child is to be educated; (5) the nature and functions of interest in education; and (6) the method of reflective thinking in its educational bearings. The writings of Plato, Rousseau, James, Dewey, Kilpatrick, Bode and other leaders in this field are considered in the light of their contributions to the major problems of this course. Required of fourth year general college students. Eight class hours per week. Three semester hours credit. Dr. Steel. Room P.S. 211.

Ed. 405s. Diagnostic and Remedial Instruction in Reading. (Old Curriculum). Causes of reading deficiencies and retardation; techniques in individual and group diagnosis; case studies; remedial group instruction of retarded readers in the Primary grades; individual instruction of non-readers and seriously retarded readers; testing and diagnosis of a few cases in class; organizing Primary reading to prevent or minimize retardation in reading. Eight class hours per week. Three semester hours credit. Dr. Hertzberg. Room 220.

Ed. 440s. The Elementary School Principalship A. Organizing the school and the curriculum. The general objective to this course is to see how the principal functions as he builds the organization framework through which the planned curriculum is realized. Problems in planning a curriculum for

all aspects of child life throughout the whole elementary school experience; curriculum modification for the air age and the war emergency; defense activities for children; studying the community; organizing the school and its resources, such as the halls, the library, the auditorium, the gymnasium, the cafeteria, the playground, etc.; assignment of teachers and pupils; systems of classification and promotion; problems in scheduling and office organization; board relations. This course may either precede or follow the Elementary School Principalship B. Open to principals, supervisors, experienced teachers, and others especially qualified. Eight hours per week. Three semester hours credit. Dr. Pugsley. Room P.S. 208.

Ed. 443. Supervision of the Elementary School B. Evaluation of the Elementary School. The objective of this course is to develop an acquaintance with instruments for evaluation and to apply the implications of the data obtained. Programs for testing achievement and scholastic aptitude; measuring the amount of overageness, normal ageness, and under-ageness; determining acceleration and retardation; evaluating the effectiveness of the school organization, record systems, educational services and school buildings; the principal's annual report. Eight hours per week. Three semester hours credit. Dr. Pugsley. Room P.S. 208.

COURSES FOR TEACHERS OF PHYSICALLY HANDICAPPED CHILDREN

The State Education Law requires communities having ten or more physically handicapped children to establish special classes suited to their mental and physical conditions. The State further recognizes the need for this special class activity by granting subsidies to assist local communities in meeting the cost of this necessary service.

In order that the communities may receive special subsidies as indicated by law it is necessary that the teachers handling these class units have special preparation which is defined by the Teacher Education and Certification Division as indicated below.

All teachers permitted to enroll for this special class work must complete 12 semester hours of preparation in this field to be eligible for permanent certification, as follows:

Courses	Min.	Max.
	Semester	Hours
Practicum in teaching classes of physically handicapped children	4	6
Mental, social and vocational adjustments	2	4
Psychology of the physically handicapped	2	4

The course is also open to a limited number of elementary teachers who wish to prepare themselves to meet the needs of individual children in their own schools.

The present number of teachers qualified to meet these special requirements is inadequate. Because of the large number of communities in this State where special class facilities have not been established and the increasing appreciation of the need for special education adjustments suited to the mental, social and physical conditions of physically handicapped children, this area of training presents unusual opportunities for service.

New York State has recently established a new policy governing the organization and development of special units for physically handicapped children which will undoubtedly have a tendency to energize the demand for additional qualified teachers.

Note: Special attention is called to the fact that the State Department has just recently given us the privilege to offer the work in special education for the physically handicapped toward the requirements for the B.S. degree in Education. Hence, students attending regular session, hereafter, will have the privilege of taking these courses either in regular session or in summer session. Candidates for Elementary Principalship may apply certain of these credits toward their certification on recommendation of Dr. Pugsley.

Courses Offered

Eng. 421s. Speech Education and Correction. Eight class hours per week. Three semester hours credit. Miss Goossen. Room 120. (See description under English)

Ed. 409s. Psychology of the Physically Handicapped. This course is presented with the assumption that provision of adequate educational opportunity for most children, especially those with visual, auditory, speech, or orthopedic defects, calls for special consideration of their psychological reactions to their problems, special attention to their defects and needs, a restatement of educational objectives in terms of their abilities, curriculum adjustment, differentiated instruction, a revision of teaching methods, and new types of training in habit formation.

The objectives of the course, therefore, are to help teachers and principals (1) recognize atypical children in the classroom, (2) understand the mental and physical characteristics of these children, and (3) provide these children with the most effective teaching techniques and procedures so that they may develop to the best of their abilities. Five class hours per week. Two semester hours credit. Dr. Crayton. Room 221.

Ed. 410s. Mental Social and Vocational Adjustments. This course is, in reality, a functional presentation and application of the principles of mental hygiene. It should be exceedingly profitable to any teacher who is interested in helping children develop wholesome mental attitudes towards their homes, their school, their associates, and towards life in general.

Considerable time is devoted to the study of specific children who have presented you with behavior problems which you may have found difficult to solve.

Although major emphasis is placed on the proper development of children's personalities so as to prevent maladjustment, we shall try to gain an understanding of remedial procedures by which we can correct or modify unwholesome behavior not only of children but of adults as well. Ten class hours per week. Four semester hours credit. Dr. Crayton. Room 221.

ENGLISH AND LITERATURE

Eng. 303s. English Literature. Culmination of earlier period in Beowulf, Chaucer, master of narrative poetry. The Ballad and Romance. Shakespeare and his fellows. Elizabethan and seventeenth century non-dramatic poetry. Milton and the epic. Dryden and the beginnings of modern prose. The age of Pope, Swift, Addison and Steele. Cowper and Gray in their poems and letters. Johnson and his circle. Jane Austen and Sir Walter Scott. Poetry of the Romantic period: Wordsworth, Coleridge, Shelley and Keats. The essay, critical and familiar, by Hazlitt, Lamb and Leigh Hunt. Tennyson, Browning and Arnold as representative Victorian poets. The novel as represented by Dickens, Thackeray, and Trollope. Newman, Arnold and Stevenson in their prose. Eight class hours per week. Three semester hours credit. Mrs. Ganey. Room 214.

Eng. 304s. American Literature. A survey of the important trends in American life, and a study of its literature as the expression of the American mind. Beginning with Jonathan Edwards and Benjamin Franklin, the course will include Cooper, Irving, Bryant, Poe, Emerson, Thoreau, Hawthorne, Longfellow, Holmes, Lowell, Melville, Whitman, Mark Twain. Some time will be given to Contemporary American Literature. Eight hours per week. Three semester hours credit. Miss Mulholland. Room 218.

Eng. 310s. Children's Literature. A study of the various types of children's literature. Reading and discussion of folk lore, modern informative material, fiction, biography and poetry. Attention is given to principles of book selection, illustrations and format of books, reading interests of children and preparation of bibliographies. Elective for General Elementary sophomores, juniors and seniors. Eight class hours per week. Three semester hours credit. Miss Hirsch. Room P.S. 114.

Eng. 401s. The Drama. A survey of the drama from the Greeks to modern times with emphasis placed upon varying dramatic influences of the different periods. The course attempts to establish critical standards as a basis for judgment of the drama in the theatre and literature for the sake of improving the teacher's ability in dramatic arts. Required of all fourth year students. Eight class hours per week. Three semester hours credit. Dr. Thurber. Room 217.

Eng. 402s. Contemporary (English and American) Literature. New Curriculum. The purpose of this course is to give the student of modern literature some understanding of the climate of opinion as it is reflected in the literature of the twentieth century, with emphasis on the last two decades. Consideration will be given to those writers looking backwards with nostalgia to the Victorian era, those representing the intellectual and moral breakdown of the Twenties, and those of the Thirties who write with some hope for the future of society. Short story, novel, drama, poetry and criticism. Required of fourth year General Elementary students. Eight class hours per week. Three semester hours credit. Mrs. Ganey. Room 214.

Eng. 407s. Romantic Movement in Literature. (1798-1832). A careful study of the poetry and prose of this important period, paying particular attention to the works of Wordsworth, Coleridge, Lamb, Scott, Byron, Shelley and Keats, together with those of the minor authors. The critics of the period are considered and the development of the magazines is noted. An attempt is made to reveal the spirit of Romanticism, thereby interpreting phases of contemporary thought. Elective for sophomores, juniors and seniors. Five class hours per week. Two semester hours credit. Miss Mulholland. Room 218.

Eng. 418s. Choral Speaking. Basic to this course is a knowledge of Phonetics and voice production. This will be provided at the beginning of the course. The course will cultivate an understanding and appreciation of poetry through general lectures and discussions and through actual participation in the various types of choric speaking. Selections from the classics and modern verse will be used. Choric drama with its possibilities for theatre use will be presented. An opportunity for gaining experience in conducting the verse choir will be offered. The course serves both a cultural and practical purpose to teachers who are interested in this new Speech Art form. Upper class elective. Five class hours per week. Two semester hours credit. Miss Goossen. Room 120.

Eng. 421s. Speech Education and Correction. Comprehensive study of methods for the correction of speech defects; study of underlying causes, contributing causes, diagnosis, symptoms, and other aspects of the speech disorder problem, phonetics as a tool in speech improvement, principles in speech correction and clinical practices. A clinic for speech defectives is maintained under the direction of the instructor. Students in the course have the opportunity to observe the application and practice of classroom

procedures and of participating in clinical practice. Open to any elementary teacher. It will also be taken by students in the orthopedic practicum. Eight class hours per week. Three semester hours credit. Miss Goossen. Room 120.

Eng. 431s. Victorian Literature. (1832-1890). The poetry, fiction, and non-fiction prose of this rapidly expanding era. An analysis of the various forces finding new expressions in science, religion, industry and social customs. The works of Tennyson, Browning, Dickens, Thackeray, Carlyle, Ruskin, Arnold, Newman, and the other major and minor authors are included. Elective for Sophomores, Juniors and Seniors. Eight class hours per week. Three semester hours credit. Dr. Thurber. Room 217.

Children's Literature. (See description under Education, Ed. 310s.)

GEOGRAPHY

Geo. 401s. Climate and Man. A study of the climates of the world with emphasis on one of the standard classifications. The typical land forms, types of vegetation, and the characteristic soils associated with each climatic region are studied. This is followed by several type studies of man and his environment in several type regions.

Elective for third and fourth year students. Two semester hours credit. Five hours per week. Prerequisite: Geography 101. Miss Chew. Room 115.

402s. General Geography II. Economic Geography. A continuation of Geography 301 with emphasis on the agricultural, industrial and commercial aspects of geography. Required of all General Elementary Seniors in the new curriculum. Elective for others. Prerequisite: Geography 301. Eight class hours per week. Three semester hours credit. Miss Chew. Room 116.

Geo. 406s. Geography of New York State. A study of the relation of physical factors to the location and character of colonial settlement, the spread of population over the state, the development of transportation and industry, and the growth of cities. Experience in field work. Elective. Prerequisite: Geography 301. Five class hours per week. Two semester hours credit. Dr. Whittemore. Room 115.

Geo. 408s. Geography of Latin America. A regional study with the emphasis upon the adjustments of the people to the physical background of each region. International trade relations and their background of natural resources and economic development. Mexico and the Caribbean area included. Elective. Prerequisite: Geography 301. Eight class hours per week. Three semester hours credit. Dr. Shaw. Room 115.

Geo. 409s. Geography of the Far East. After a general survey of the continent, emphasis is given those countries of greatest importance in the world today, and special attention is given to those aspects of geography needed to understand current events. The approach or theme followed in the study of the various countries varies with the character of the region from economic to historical, political, or social geography. Elective. Eight class hours per week. Three semester hours credit. Prerequisite: Geography 101. Dr. Whittemore. Room 115.

Geo. 410s. Colonial Possessions of United States. The aim of this course is directed towards giving the student a fuller and clearer understanding of the outlying United States "Empire". Detailed examination will be made of The Philippines, Hawaii, Samoa, Alaska, Puerto Rico, The Virgin Islands, the Canal Zone and the new bases recently acquired from Britain. Primary emphasis will be placed upon the political geography of these outposts. Five class hours per week. Two semester hours credit. Dr. Shaw. Room 116.

HISTORY AND SOCIAL STUDIES

S.S. 204s. Principles of Economics. The essential purpose of this course is the acquirement of a working knowledge of sound economic theory in order that the phenomena of the industrial and commercial world may be understood. An attempt is made to survey not only the laws of economics, but also certain of the political and cultural settings in which they operate. The course concerns itself with the appearance as well as the functioning of modern economic society. As a special aid to students of Home Economics attention is directed to phases of consumer economics, such as problems of the consumer, his place in production, and the devices of consumer protection. Required of second year students in the home economics department. Elective for second year general college students. Five hours per week. Two semester hours credit. Mr. Dalton. Room 117.

S.S. 302s. American Civilization and Government, II. Continues the work covered by S.S. 301s, emphasizing the development of American civilization and government since the Civil War; the characteristics and operation of the American economic order through varying circumstances; the position of the masses; the relation of these factors to the evolution of a characteristic culture in the United States. Required of third-year general college students. Eight hours per week. Three semester hours credit. Mr. Dalton. Room 117.

S.S. 402s. Sociology. The rise and development of culture; cultural change; social organization and social institutions. Required of General Elementary Seniors. Eight hours per week. Three semester hours credit. Dr. Albright. Room 119.

S.S. 403s. American Foreign Relations. Relations of the United States with other nations, beginning with independence and the alliance with France in 1778 and extending through recent affairs of the United States as a world power. Due attention will be given to the principles of international law and the causes of the present international lawlessness. Especially recommended to students who are planning to teach history. Eight hours per week. Three semester hours credit. Dr. DeMond. Room 118.

S.S. 407s. Comparative Governments of Europe. A careful study of the governments of England, France, Germany, Italy, and Switzerland, with less time upon the newly formed governments, including Soviet Russia. How these governments are organized, what sort of political machinery they use, wherein they have borrowed from the United States, and wherein they differ. Special attention upon the effect which the World War has had on all these governments. Elective for fourth year general students. Any one desiring credit in Contemporary Civilization II may take this course as the equivalent. Five hours per week. Two semester hours credit. Dr. DeMond. Room 118.

S.S. 411s. Hispanic American History. The colonization and development of Latin America. Special emphasis will be placed upon the diplomatic and economic connections with the United States and attention will be given to the role of Latin America in the defense of the Western Hemisphere. Eight class hours per week. Three semester hours credit. Dr. Albright. Room 119.

SPECIAL OFFERINGS IN THE HOME ECONOMICS DEPARTMENT

The war is bringing many demands upon the schools and the public is turning to them for assistance in these troubled times. Civilians are feeling the need for help in meeting war problems in the homes and home economics teachers are being asked to assist in new ways. The contribution they can make to communities has been pointed out to school administrators and teachers by Commissioner George D. Stoddard and Miss Marion S. Van Liew, Chief of the Bureau of Home Economics. Home Economics teachers are glad to render these services to homes in order to assist with the war effort but many of them desire to further prepare themselves to meet these new demands.

Buffalo State Teachers College is offering such opportunities to home economics teachers during the summer of 1943. Intensive two weeks courses are being offered for teachers in service which will give 2 semester hours credit. This credit may be applied toward permanent certification. Teachers may take one or more of these courses and still have an opportunity to work in communities. One six weeks course, which includes three weeks in a community and three weeks on the campus, is also being provided.

There are many women in this state who have had home economics training at an earlier date who would be willing to return to teaching during the war, if they could secure some additional training to bring themselves up to date in the field. Their services are needed in the schools. A six weeks course for such women is also being offered in the Home Economics Department of the Buffalo State Teachers College during the summer of 1943. Anyone interested is urged to write immediately for further information and pre-registration blanks.

Those Home Economics women who are now teaching or who would like to render that service, are urged to write immediately to Miss Mildred L. Sipp, Director of Home Economics, State Teachers College, Buffalo, N. Y., to secure desired information and pre-registration blanks. Preliminary registration is to be completed by June 5, 1943.

COURSE OFFERINGS

Food Preservation I. The course is designed to give teachers of Course 15 assistance with problems which are related to the national program in food production and preservation. It will include recommended techniques for canning, drying, brining, pickling, storing and other methods of preserving home produced foods. There will be opportunity to see demonstrations, to participate in some of the processes of preservation and some suggested methods of teaching adults. Four hours daily. Two semester hours credit. July 6-July 16, 1943. Miss Johnson. Room V-216. 9:10-11:00 and 1:10-3:00.

Food Preservation II. The course is designed to give teachers, prospective teachers and others interested, assistance in meeting the changing food situation in regard to school lunch and other community organizations. It will include participation in the canning, drying, and storing of fruits and vegetables with recommended techniques for each process. Also some guides in the amounts to preserve by the various methods with suggestions of

which fruits and vegetables are best to can, dry and store. Four hours daily. Two semester hours credit. July 19-July 30, 1943. Miss Johnson. Room V-216. 9:10-11:00 and 1:10-3:00.

The Family Meals, Nutrition and Point Rationing. Designed to give assistance to Home Economics teachers with current food problems involving planning, preparing and serving family meals based on nutritional requirements. Consideration will be given to the factors such as point rationing, management of the home, purchasing and availability of food, changing family food habits and planning for food preservation. Opportunity will be given for laboratory preparation, field study, evaluation of suitable techniques for working with family members and working on special problems. Three hours daily. Two semester hours credit. July 19-July 30, 1943. Miss Grant. Room 214 in the School of Practice. 9:10-11:00 and 1:10-2:00.

In addition, if the demand is sufficient, any one or more of the two weeks courses listed below will be offered. Those interested in any one of these should write at once to Miss Mildred L. Sipp, Director of Home Economics, State Teachers College, Buffalo, N. Y.

The School Lunch		Home Management
Clothing Conservation		Child Care
	Family Morale	

Supervised Summer Experience. For teachers of vocational homemaking. Directed summer experience under George-Deen funds provides study and guidance in planning for summer work, for actual work in the community, in appraisal of findings and experience as a basis for planning the home-making program. Members of the class will meet at the college for the first week, will spend three weeks in communities where they are employed and return to the college for two weeks. The instructor will visit each member of the class during the three weeks of field work. Arrangement must be made with school administrators in advance for only three weeks work in the local community; study at college being substituted for the fourth week. Registration in course limited to 15. Six semester hours credit. Six weeks. July 6-August 13, 1943. Miss Pratt. Room V-203. 9:10-11:00 and 12:10-2:00.

Refresher Course. The number of home economics vacancies in the schools exceeds the supply of teachers in New York state. In addition, many women who have had training in Home Economics will be glad to render service by returning to teach. On the other hand, many women feel hesitant to accept a teaching position, if they have been unemployed for some time. It, therefore, seems desirable to offer an opportunity to such women to refresh themselves so that they will be ready to teach in the fall of September 1943.

Buffalo State Teachers College will offer a course for former Home Economics teachers. The course will include opportunities to learn about current programs and problems of teaching home economics, as well as to do independent work in certain subject matter fields. The course will be set up on a workshop basis so that the individual may work on problems in which she feels the greatest need. Pre-registration is required. Three hours daily. Six semester hours credit. Six weeks. July 6-August 13, 1943. Miss Sipp. Room V-200. 9:10-11:00 with conferences in the afternoon.

Home Economics 302s. Nutrition. This course is a survey of all the factors that are essential for a state of optimal health. Individual food problems and needs will be considered. The supervised school lunch and nutrition of the child of school age will be studied. Daily food habits, costs of food, laboratory and equipment required, will be regarded as a means of building an adequate day's dietary for a family. Home Economics

teachers may arrange to take this course as a refresher course. Elective for general college students. A program will be arranged so that the course may be taken for either two hours or three hours credit. This will enable Dental Hygiene teachers to meet their requirements. Laboratory will be arranged. Five class hours per week for two semester hours credit. Eight class hours per week for three semester hours credit. Miss Palmer. Room V-216. Lecture room to be assigned.

MATHEMATICS

Math. 101s. General Mathematics. This course seeks to give the student a foundation in mathematics, an understanding in certain algebraic principles that have a wide application in intelligent living; an appreciation of and familiarity with the real nature of algebraic analysis and a wider horizon through an extended acquaintance with more advanced topics that are being used and might be used more in educational theory and physical sciences, and to see how "pure mathematics" has led to great unexpected achievements in a practical way. Eight hours per week. Three semester hours credit. Mr. Johnson. Room 106.

Math. 201s. College Algebra. A rapid review of High School Algebra is followed by studying mathematical induction, graphical interpretation of formulae, theory of equations, the formation and use of Logarithms and such other topics as are necessary for the study of trigonometry, analytics and calculus. Prerequisite: intermediate algebra. Eight hours per week. Three semester hours credit. Dr. Stopher. Room 105.

Math. 302s. Solid Geometry. A study of intersecting planes, rectangular and oblique solids, such as the cylinder, pyramid and cone, spheres and spheric surfaces. Students are encouraged to aid their visualization by making models to illustrate proportions. Practical applications are continually kept in mind. Third and Fourth Year elective. Eight hours per week. Three semester hours credit. Mr. Johnson. Room 106.

OR

Math. 303s. Trigonometry. Treats of measurements by means of ratios formed by the sides of triangles. Fundamental formulae are developed from these ratios or functions. The application of trigonometry to measurement is illustrated by the use of the transit by the class. Prerequisite: College Algebra. Eight hours per week. Three semester hours credit. Mr. Johnson. Room 106.

Math. 304s. Plane Analytics. The relation of a curve to its equation and the equation to its curve with reference to both rectangular and polar coordinates forms the basis of this course. Numerous problems concerning straight lines, conics, and other curves are solved in order to acquaint the student with the analytic method. Junior elective. Eight hours per week. Three semester hours credit. Dr. Stopher. Room 105.

OR

Math. 403s. Calculus. A study of derivations of algebraic functions and their application to problems involving curves, tangents, and variable speeds. Both differentiation and integration are applied to problems. Eight hours per week. Three semester hours credit. Dr. Stopher. Room 105.

SCIENCE

Sci. 203s. Physics I. First semester of the regular course in Physics covering primarily mechanics and heat, with the purpose of conveying a better and more scientific understanding of the present day highly mechanized mode of living. It is the purpose of this course to indicate the possibility of demonstrating physical laws with simple, inexpensive and

occasionally home-made equipment. Required of all Industrial Arts sophomores. It may be elected for credit towards a science concentration by students in the third or fourth year of the general college department. Ten class hours per week including laboratory. Three semester hours credit. Mr. Spear. Room V-206.

OR

Sci. 204s. Physics II. A course in college physics covering units in sound, light and electricity. The work will cover the modern applications of the theories of these branches of the science. Numerous demonstrations and individual laboratory work will serve to illustrate the development of physics and its bearing on our environment. Ten hours per week including laboratory. Three semester hours credit. Mr. Spear. Room V-206.

Sci. 301s. Chemistry I. The course is the first half of a six-hour sequence in Chemistry. The work will consist of a thorough introduction and grounding in elementary inorganic college chemistry laying the foundation for the understanding of commercial and industrial manufacturing procedure. It consists of a study of general theory together with the more recent applications to our immediate environment. This course is required of all Industrial Arts juniors. It may be elected for credit towards a science concentration by students in the third or fourth year of the general college department. Ten class hours per week including laboratory. Three semester hours credit. Mr. Spear. Room V-211.

OR

Sci. 302s. Chemistry II. This is the second semester of a course in college chemistry. The chemistry of the modern industrial processes is studied in detail. Both lectures and laboratory experiments will treat of the metals industry, including electro-plating, heat treatment, etching and coloring. Paper manufacture points, varnishes and lacquers, inks, textiles, plastics, adhesives, abrasives and building materials are discussed. Ten hours per week including laboratory. Three semester hours credit. Mr. Spear. Room V-211.

Sci. 305s. Zoology. A study of the structure and physiology of a series of animal types that illustrate the stages of evolution of animal life. The development of general concepts, principles and generalizations dealing with adaptations and adjustments to changing environmental factors are emphasized. Elective for sophomores. May be taken by advanced students on the old curriculum if they have not had the equivalent. Ten class hours per week, including laboratory. Three semester hours credit. Miss Dupre. Room V-210.

Sci. 321s. Introduction to Aviation. This course will introduce the teacher to materials essential in bringing the air age to the public school pupil. Such topics will be introduced as: the impact of the air age on modern culture; importance of aviation education; materials to relate aviation to social studies, science, mathematics, industrial arts, home economics, and art classes; the political, economic and international implications of the air age. Elementary facts and principles involved in plane construction and operation, meteorology, and aerodynamics will be presented. The course will be enriched by appropriate trips and experiences. Elective for third and fourth year students in Science. Five class hours per week. Two semester hours credit. Miss Palmer. Room V-208.

Sci. 411s. Meteorology. The course includes a study of the atmosphere, the methods of observing and recording the weather elements, the explanation of weather changes, the interpretation of the weather map, and the basic principles of forecasting. The relation of weather to man and his activities is considered. Features which apply to aviation will be given special emphasis. Five class hours per week. Two semester hours credit. Dr. Haupt. Room V-206.

Sci. 415s. Descriptive Astronomy. This is a non-mathematical course in descriptive astronomy intended for elementary school and junior high school teachers, as well as for those desiring merely a cultural course. It will furnish a background of material from which the teacher may select the subject matter appropriate to her grade level. Opportunity will be provided for the students to become familiar with teaching devices which can be employed to make the subject more meaningful to elementary or junior high school students. Outdoor observations will supplement the work of the classroom. Eight class hours per week. Three semester hours credit. Dr. Haupt. Room V-206.

Sci. 421s. Physiology and Hygiene. As the Government has requested that special emphasis be placed on physiology and hygiene, this course is being offered. It will fill the needs of all persons who in the coming year will be concerned with personal living problems.

Special emphasis will be placed on personal health problems that result from the strain of war, such as keeping well and efficient, practicing good nutrition, and knowing the causes and methods of control of communicable diseases resulting from war conditions. Laboratory periods will be given to the study of structure and function of human organs, some work on bacteria and milk, water and food sanitation. Eight class hours per week. Three semester hours credit. Miss Dupre. Room V-210.

SUMMER SESSION PROGRAM

JULY 6—AUGUST 13, 1943

NOTE.—Students should take careful note of the fact that subjects carrying one or four semester hours of credit must be taken two periods per day in order to secure regular credit. Certain other courses also require double periods. Such courses are indicated on this program thus (*).

Where more than one course is scheduled at any period for an instructor, the course having the larger enrollment will be given. Such courses are indicated by a (#).

The number after each course refers to the number of the course as described in the Summer Session catalog; e.g. (Ed. 440s) refers to the course in Elementary School Principalship A. For explanation of numbers, see "Numbering System" on page 15 of the Summer Session catalog.

Students will avoid errors in the selection of subjects by carefully consulting the catalog for statements of courses. Students should avoid taking courses that duplicate previous work and thereby losing credit. If in doubt, consult Faculty members or the Registrar.

All courses are listed alphabetically by class periods. The number following the name of each course indicates the year level. Senior courses are numbers 400 and above; Junior, 300-399; Sophomore, 200-299; and Freshmen, 100-199.

FIRST PERIOD—8:10-9:00

Name of Course	Catalog No.	Instructor	Room
American Civilization and Government II.....	S.S.302s	Mr. Dalton	117
Climate and Man.....	Geo.401s	Miss Chew	115
Comparative Governments of Europe.....	S.S.407s	Dr. DeMond	118
Elementary School Principalship A.....	Ed.440s	Dr. Pugsley	P.S. 208
General Mathematics.....	Math.101s	Mr. Johnson	106
Hispanic American History.....	S.S.411s	Dr. Albright	119
Kindergarten Education.....	Ed.305s	Miss Hirsch	P.S. 214
Physics I.....	Sci.203s	Mr. Spear	V-206
or			
Physics II.....	Sci.204s	Mr. Spear	V-206
Principles of Education.....	Ed.402s	Dr. Steel	P.S. 211
Speech Education and Correction.....	Eng.421s	Miss Goossen	120
The Romantic Movement.....	Eng.407s	Miss Mulholland	218
Zoology.....	Sci.305s	Miss Dupre	V-210

SECOND PERIOD—9:10-10:00

Name of Course	Catalog No.	Instructor	Room
*American Civilization and Government II	S.S.302s	Mr. Dalton	117
Art in Everyday Life	Art.201s	Dr. Czurles	204
*College Algebra	Math.201s	Dr. Stopher	106
*Contemporary Literature	Eng.402s	Mrs. Ganey	214
*Diagnostic and Remedial Reading	Ed.405s	Dr. Hertzberg	220
*Elementary School Principalship A	Ed.440s	Dr. Pugsley	P.S. 208
*General Mathematics	Math.101s	Mr. Johnson	106
Geography of New York State	Geo.406s	Dr. Whittemore	115
*Hispanic American History	S.S.411s	Dr. Albright	119
*Kindergarten Education	Ed.305s	Miss Hirsch	P.S. 114
#*Physics I	Sci.203s	Mr. Spear	V-206
or			
#*Physics II	Sci.204s	Mr. Spear	V-206
*Principles of Education	Ed.402s	Dr. Steel	P.S. 211
*Speech Education and Correction	Eng.421s	Miss Goossen	120
*Victorian Literature	Eng.431s	Dr. Thurber	217
*Zoology	Sci.305s	Miss Dupre	V-210

THIRD PERIOD—10:10-11:00, Tuesday, Wednesday and Friday, CLASS
10:10-11:15, Monday and Thursday, ASSEMBLY

Name of Course	Catalog No.	Instructor	Room
*American Foreign Relations	S.S.403s	Dr. DeMond	118
*American Literature	Eng.304s	Miss Mulholland	218
*College Algebra	Math.201s	Dr. Stopher	106
*Contemporary Literature	Eng.402s	Mrs. Ganey	214
*Diagnostic and Remedial Reading	Ed.405s	Dr. Hertzberg	220
*Geography of Latin America	Geo.408s	Dr. Shaw	115
Meteorology	Sci.411s	Dr. Haupt	V-206
Psychology of the Physically Handicapped	Ed.409s	Dr. Crayton	221
*Victorian Literature	Eng.431s	Dr. Thurber	217

ASSEMBLY

There will be two Assembly periods per week, 10:10-11:15, Monday and Thursday. These periods will be devoted to a variety of activities, including lectures by prominent educational leaders and publicists, entertainments, readings, moving pictures and educational films, and community singing directed by Mr. Crain. The Assembly will be one of the most valuable features of our summer program and all should take advantage of it. The "Summer Session Record" will keep students informed of the Assembly programs. We hope also to arrange another valuable feature of the session in the form of conferences to be scheduled at 2:15, at which time students will have opportunity to meet the visiting faculty members in round table discussions. These conferences will not be limited to members of the respective classes.

LUNCH PERIOD

Students must plan for a lunch period in making their elections. The Cafeteria will be open from 11:15-1:30.

FOURTH PERIOD—11:10-12:00 Tu., Wed., Fri. (11:25-12:15 Mon., Thurs.)

Name of Course	Catalog No.	Instructor	Room
American Foreign Relations	S.S.403s	Dr. DeMond	118
American Literature	Eng.304s	Miss Mulholland	218
Chemistry I	Sci.301s	Mr. Spear	V-211
or			
Chemistry II	Sci.302s	Mr. Spear	V-211
Children's Literature	Ed.310s	Miss Hirsch	P.S. 114
Economic Geography	Geo.402s	Miss Chew	116
Geography of Latin America	Geo.408s	Dr. Shaw	115
Nutrition	H.E.302s	Miss Palmer	V-216
Physiology and Hygiene	Sci.421s	Miss Dupre	V-210
Principles of Economics	S.S.204s	Mr. Dalton	117
Solid Geometry	Math.302s	Mr. Johnson	106
or			
Trigonometry	Math.303s	Mr. Johnson	106
Supervision of the Elementary School B	Ed.443s	Dr. Pugsley	P.S. 208

FIFTH PERIOD—12:10-1:00 Tu., Wed., Fri. (12:25-1:15 Mon., Thurs.)

Name of Course	Catalog No.	Instructor	Room
Analytics	Math.304s	Dr. Stopher	105
or			
Calculus	Math.403s	Dr. Stopher	105
Astronomy	Sci.415s	Dr. Haupt	V-206
Chemistry I	Sci.301s	Mr. Spear	V-211
or			
Chemistry II	Sci.302s	Mr. Spear	V-211
Child Behavior	Ed.102s	Dr. Hertzberg	220
Children's Literature	Ed.310s	Miss Hirsch	P.S. 114
Choral Speaking	Eng.418s	Miss Goossen	120
Drama	Eng.401s	Dr. Thurber	217
Economic Geography	Geo.402s	Miss Chew	116
English Literature	Eng.303s	Mrs. Ganey	214
Geography of the Far East	Geo.409s	Dr. Whittemore	115
Mental Social and Vocational Adjustments	Ed.410s	Dr. Crayton	221
Nutrition	H.E.302s	Miss Palmer	V-216
Physiology and Hygiene	Sci.421s	Miss Dupre	V-210
Sociology	S.S.402s	Dr. Albright	119
Solid Geometry	Math.302s	Mr. Johnson	106
or			
Trigonometry	Math.303s	Mr. Johnson	106
Supervision of the Elementary School B	Ed.443s	Dr. Pugsley	P.S. 208
Workshop in the Crafts	Art 400s	Dr. Czurles	Craft Shop

SIXTH PERIOD—1:10-2:00 Tu., Wed., Fri. (1:25-2:15 Mon., Thurs.)

Name of Course	Catalog No.	Instructor	Room
Analytics	Math.304s	Dr. Stopher	105
or			
Calculus	Math.403s	Dr. Stopher	105
Astronomy	Sci.415s	Dr. Haupt	V-206
Child Behavior	Ed.102s	Dr. Hertzberg	220
Colonial Possessions of the U. S.	Geo.410s	Dr. Shaw	116
Drama	Eng.401s	Dr. Thurber	217
English Literature	Eng.303s	Mrs. Ganey	214
Geography of the Far East	Geo.409s	Dr. Whittemore	115
Introduction to Aviation	Sci.321s	Miss Palmer	V-208
Mental Social and Vocational Adjustments	Ed.410s	Dr. Crayton	221
Sociology	S.S.402s	Dr. Albright	119
Workshop in the Crafts	Art 400s	Dr. Czurles	Craft Shop

NOTE—For schedule of classes in Home Economics consult description of courses under heading "Special Offerings in the Home Economics Department."