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Buffalo State College

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Catalog No.	Name of Course	Instructor
*H.Ed. 402s	Health Protection	Mr. Adessa
H.Ec. 413s	Workshop in Nutrition for the Elementary School	Mrs. Baker Miss Longman
Music 305s	Music for Children.....	
Sci. 501s	Field Studies in Science I.....	Dr. Fretz
S.S. 428s	History of Canada.....	Mr. Vernon

FIFTH PERIOD—12:10-1:00

Catalog No.	Name of Course	Instructor
Art 406s	Creative Art Workshop.....	Miss Fedigan
Ed. 102s	Child Development	Dr. Hertzberg
Ed. 463s	Driver Education and Safety.....	Mr. Palmeter
Ed. 485s	Reading Clinic	Mrs. Dunklin Dr. Dunklin
Ed.H. 501s	Workshop in Education of Mentally Retarded	Dr. Fouracre Mrs. White
Ed.H. 502s	Workshop in Education of Orthopedically Handicapped Children.....	Dr. Fouracre Miss D'Agostino
Ed.H. 513s	Seminar in Speech Science.....	Dr. Jann Mr. Schuck
*Eng. 304s	American Literature	
Geog. 402s	Economic Geography	
H.Ec. 413s	Workshop in Nutrition for the Elementary School	Mrs. Baker Miss Longman
Sci. 101s	Physical Science I.....	Mr. Arthur
Sci. 231s	Elementary Physics	Mr. Stamp
Sci. 501s	Field Studies in Science I.....	Dr. Fretz
S.S. 225s	Historical Influences on Modern Society	Mr. Vernon
*S.S. 341s	Nationality Groups in American Culture	Dr. Hollister

SIXTH PERIOD—1:10-2:00

Catalog No.	Name of Course	Instructor
Art 406s	Creative Art Workshop.....	Miss Fedigan
Ed. 102s	Child Development	Dr. Hertzberg
Ed. 463s	Driver Education and Safety.....	Mr. Palmeter
Ed. 485s	Reading Clinic	Mrs. Dunklin Dr. Dunklin
Ed.H. 501s	Workshop in Education of Mentally Retarded	Dr. Fouracre Mrs. White
Ed.H. 502s	Workshop in Education of Orthopedically Handicapped Children.....	Dr. Fouracre Miss D'Agostino
Ed.H. 513s	Seminar in Speech Science.....	Dr. Jann Miss Lemaire
Geog. 402s	Economic Geography	
H.Ec. 413s	Workshop in Nutrition for the Elementary School	Mrs. Baker Miss Longman
*Music 404s	The Art of Enjoying Music.....	
Sci. 101s	Physical Science I.....	Mr. Arthur
Sci. 231s	Elementary Physics	Mr. Stamp
S.S. 225s	Historical Influences on Modern Society	Mr. Vernon

Dean Reed's Copy

Buffalo



STATE UNIVERSITY OF NEW YORK

NEW YORK STATE COLLEGE
FOR TEACHERS BULLETIN

CATALOG ISSUE • SUMMER SESSION • 1950

EDUCATIONAL DEPARTMENT
SPECIAL SERVICES DEPARTMENT

EDWARD H. BURNETT
STATE UNIVERSITY OF NEW YORK
1360 ELMWOOD AVENUE
BUFFALO, N. Y. 14222

Summer Session

CALENDAR, 1950

- June 26— 9:00 A.M.—Advanced Driver Training Students register.
July 2— 8:00 P.M.—General Faculty Meeting—School of Practice Library.
July 3— 8:00 A.M.—Accelerated Program begins as scheduled.

Graduate Registration

- 9:00 A.M.—Assembly—Important announcements—Auditorium.
9:30 A.M.—Pay fees and Register—Gymnasium.

Undergraduate Registration

- 12:30 —Assembly—Important Announcements—Auditorium.
1:00 P.M.—Pay fees and Register—Gymnasium.

Penalty (\$1.00 per day) for late registration after July 3.

- July 4—Holiday—Classes not in session.
July 5— 8:00 A.M.—All classes convene as scheduled.
9:00 A.M.—Registration—Workshop in Elementary School Administration.
10:00 A.M.—Opening Session of the Workshop—Auditorium.
July 6—10:00 A.M.—Opening Convocation—Dr. William Young.
July 8—Saturday Session in all departments. Regular Tuesday schedule to make up for July 4.
Last day for registration (with penalty).
No program changes or refunds after 12 o'clock noon on this date.
July 14—Workshop in Elementary School Administration closes.
July 19—Faculty—Student Picnic on College Campus.
July 27-28—Conference on Mathematics for the Elementary Grades—Dr. William A. Brownell.
July 27-Aug. 12—Literary Tour of New York and New England.
August 11—Six weeks Summer Session closes.
August 13-25—Science Camp, Allegany State Park.
History and Geography Tour of New York State.
Air Trip to Mexico City.
August 25—Accelerated Program closes.

The State University of New York

New York State College for Teachers

Bulletin

Buffalo • New York

1950 SUMMER SESSION ANNOUNCEMENTS

Graduate and Undergraduate Divisions

NEW YORK STATE COLLEGE FOR TEACHERS BULLETIN

Summer Catalog Issue April, 1950 Vol. XVIII, No. 3
One of Four Publications Issued Quarterly by New York State College
for Teachers, Buffalo 22, N. Y.

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 STATE UNIVERSITY OF
 BUFFALO, N. Y. 14222

EDWARD M. WHITE LIBRARY
 STATE UNIVERSITY OF
 1360 ELMWOOD AVENUE
 BUFFALO, N. Y. 14222

OFFICERS OF SUMMER SESSION

HARRY W. ROCKWELL
President

RALPH HORN
Dean and Director of Summer Session

CATHERINE E. REED
Dean of Women

RAYMOND M. FRETZ
Dean of Men and Professor of Science

ROBERT E. ALBRIGHT
Director of Graduate Division

ALLEN P. BRADLEY
Director of the General Elementary Division

MILDRED L. SIPP
Director of Home Economics Division

IRVING C. PERKINS
Director of Industrial Arts Division

STANLEY A. CZURLES
Director of Art Education Division

MAURICE H. FOURACRE
Director of the Division of Education for the Handicapped

HARRY J. STEEL
Director of the Demonstration School

D. PAUL SMAY
Director of Visual Education

GEORGE R. SHERRIE
Co-ordinator and Director of Public Relations

FRANCES G. HEPINSTALL
Librarian

M. FRANCES BREEN
Assistant Librarian

RICHARD G. DYER-HURDON
Registrar

ROBERT W. GOEHLE
Financial Secretary

LILLIAN J. MCKENNETH
House Director, Pioneer Hall

MABEL B. GILBERT
Cafeteria Director

CHARLOT MOEHLAU FETTERMAN
Manager of the Bookstore

MARIETTA RINDONE FERRO
Assistant Manager of the Bookstore

DORIS BONNAR
College Nurse

JOHN V. WADSWORTH, M.D.
College Physician

HARRY W. CURTIN
Custodian of Buildings and Grounds

INSTRUCTIONAL STAFF

Visiting Faculty

LOIS V. ANDERSON.....Second Grade
Instructor, Second Grade, East Stroudsburg (Pa.) State Teachers College

RAYMOND ARNOLD.....Seminar Leader
President of N. Y. State Elementary Principals Association; Principal, Roosevelt School,
Kenmore, N. Y.

HAROLD H. AXTELL.....Science Camp
Curator of Biology, Buffalo Museum of Science

WILLIAM A. BROWNELL.....Lecturer, Mathematics Conference
Professor of Mathematics, Northwestern University, Evanston, Ill.

HAROLD O. CARLTON.....Educational Consultant in Safety Driving
Educational Consultant in Safety Driving, AAA, Washington, D. C.

GEORGE CORFIELD.....Geography
Assistant Professor, Department of Geography,
Oklahoma Agricultural and Mechanical College, Stillwater

EVA M. D'AGOSTINO.....Demonstration Teacher, Orthopedically
Handicaped Children
Experimental Class, Cerebral Palsy Center, Public School 135, New York City

ERNEST DALTON.....History
Head of Social Studies Department, Centenary Junior College, Hackettstown, N. J.

FRANK DRESSLER.....History
Supervisor of Social Studies, Board of Education, Buffalo

MAXINE DUNFEE.....Fourth and Fifth Grades
Assistant Professor of Education, Indiana University

HOWARD T. DUNKLIN.....Psychologist for Reading Clinic
Psychologist, Buffalo School Department, Buffalo, N. Y.

LAURA D. DUNKLIN.....Director of Reading Clinic
Teacher of Reading, The Seminary, Buffalo, N. Y.

ERNEST M. FLEMMING.....Art
Supervisor of Art Education, Board of Education, Utica, N. Y.

GRACE M. HEACOCK.....Visual Education
Director, Visual-Audio Education, Cleveland Hill School

KATHRYN C. HEFFERNAN.....Social Studies Consultant
Marcellus Central School, Marcellus, N. Y.

VIRGIL HERRICK.....Lecturer, Workshop in Elementary Administration
and Supervision
Director of Elementary Education, University of Wisconsin, Madison

DOROTHY HOYLE.....First Grade
Head, Lower School, Friends School, Wilmington, Delaware

PEARL HUNTER.....Seminar Leader
Elementary Supervisor, Liberty Public Schools

M. KATHLEEN KETCHAM.....Seminar Leader
Grade Supervisor, Tonawanda, N. Y.

CARL H. KUMPF.....Principalship and Supervision
Principal, Miller Street School, Newark, N. J.

MINNIE E. LEMAIRE.....Geography
Associate Professor of Geography, Mt. Holyoke College, South Hadley, Mass.

MILDRED B. MILLS.....Third Grade
Instructor, Demonstration School, N. Y. State Teachers College at Fredonia

JOHN L. MILLER.....Lecturer, Workshop in Elementary School Administration
Supt. of Schools, Great Neck, N. Y.

MARY E. PRATT.....Kindergarten
Instructor in Kindergarten, N. Y. State Teachers College at Oswego

LOUIS RATHS.....Lecturer, Workshop in Elementary School Administration
Executive Director, Bureau of Intercultural Education, New York City

ELEANOR S. SKINNER.....Science Camp
Instructor in Science, Medina High School, Medina, N. Y.

LAURA F. ULERY.....Graduate Workshop
Reading Consultant Public Schools, Maywood, Illinois

NELL WHITE.....Education for the Handicapped
Demonstration Teacher, Public School No. 99, New York City

MARJORY WYBOURN.....Home Economics
Assistant Professor, School of Home Economics, University of Washington, Seattle, Washington

WILLIAM YOUNG.....Lecturer, Workshop in Elementary School Administration
Director of Elementary Education, N. Y. State Dept. of Education, Albany, N. Y.

Staff Members of the New York State College for Teachers at Buffalo

ROBERT E. ALBRIGHT.....Director of Graduate Division, Economics
Professor of Sociology, Director Graduate Division

ARTHUR L. BRADFORD.....English
Head of English Department

ALLEN P. BRADLEY.....Director, Graduate Workshop
Director of General Elementary Education Division

M. FRANCES BREEN.....Assistant Librarian
Assistant College Librarian

EDMUND A. BROWN.....History
Instructor, Social Studies

H. EMMETT BROWN.....Science
Head of Science Department

LOUIS J. CALLAN.....Industrial Arts
Assistant Professor Industrial Arts Division

DAVID CAPPIELLO.....Industrial Arts
Acting Instructor Industrial Arts Division

MARY COCHNOWER.....English
Assistant Professor of English

HOWARD S. CONANT.....Art
Assistant Professor of Art

MILDRED CONCANNON.....Graduate Workshop
Instructor, Sixth Grade, Demonstration School

CLARENCE COOK.....Industrial Arts
Instructor in Electronics, Industrial Arts Division

HUBERT COYER.....Health Education Director of Recreation
Assistant Professor of Health and Director of Athletics

SHERMAN G. CRAYTON.....Education
Professor of Education

STANLEY A. CZURLES.....Art
Director of Art Education Division

EUGENE L. G. DAKIN.....Art
Assistant Professor, Art Division

REUBEN S. EBERT.....Mathematics
Professor of Mathematics, Head of the Mathematics Department

RICHARD FLOWER.....Education for the Handicapped
Assistant Professor of Education for the Handicapped

JOHN FONTANA.....Industrial Arts
Assistant Professor, Industrial Arts Division

MAURICE H. FOURACRE.....Education for the Handicapped
Director of Division of Education for Handicapped Children

MARTIN B. FRIED.....English
Assistant Professor of English

HERTHA S. GANEY.....Education and English
Assistant Professor of English, School of Practice

MERIBAH S. GARDINER.....Graduate Workshop
Instructor Second Grade, School of Practice

MINA S. GOOSSEN.....Speech
Assistant Professor of English and Dramatics

ELEANOR M. GOVER.....Graduate Workshop
Assistant Professor of Geography, School of Practice

ANDREW W. GRABAU.....History and English
Assistant Professor of English

WILSON B. GRAGG.....English
Professor of English

MARGARET GRANT.....Home Economics
Assistant Professor in Home Economics Division

BENJAMIN F. GRONEWOLD.....English
Professor of English

OSCAR E. HERTZBERG.....Education
Head of Education Department

FREDERICK J. HOLLISTER.....Sociology
Professor of Sociology

DORISMAE KENT.....Library Assistant
Library Assistant

LORRAINE LANGE.....Director of Workshop
Assistant Professor of Education

GEORGE LAUG.....Science
Acting Instructor in Science Department

HENRY MANDEL.....Industrial Arts
Assistant Professor, Industrial Arts Division

HELEN L. MANDERS.....Health Education
Nurse-Instructor

ANTHONY MILANOVICH.....Education
Assistant Professor of Education

EDWARD L. MORRICE.....Industrial Arts
Assistant Professor, Industrial Arts Division

VALENTINE NADOLINSKI.....Science
Instructor in Science Department

EDWARD J. ...
STATE UNIVERSITY ...
1300 ELMWOOD AVENUE ...
BUFFALO, N. Y. 14220

EMERSON NEUTHARDT.....	Industrial Arts
Professor of Industrial Arts Education	
MYRON C. NORTHRUP.....	Sixth Grade
Instructor, Demonstration School	
WILLIAM PALMETER.....	Driver Education and Safety
Acting Instructor of Industrial Arts	
ELIZABETH G. PENN.....	Education
Assistant Professor of Education	
HAROLD F. PETERSON.....	History
Professor of History, Head of History Department	
MARVIN A. RAPP.....	History
Assistant Professor of History	
HELEN E. RIMKUS.....	Assistant Librarian
Assistant Librarian	
RUTH A. RYDER.....	Education for the Handicapped
Assistant Professor of Education for the Handicapped	
CONRAD SCHUCK.....	English
Assistant Professor of English	
SIGURD SHEEL.....	Science
Assistant Professor of Science	
PAUL W. SLOAN.....	Education
Professor of Education	
D. PAUL SMAY.....	Visual Education
Professor of Art, Director of Visual Education	
EDGAR H. STRONG.....	Industrial Arts
Instructor of Textiles and Ceramics, Industrial Arts Division	
GEORGE SWENSON.....	Science
Instructor in Science Department	
DAVID H. THIELKING.....	Science
Instructor in Science Department	
JOHN URBAN.....	Director of Science Camp, and Science
Professor of Science	
JOHN A. VERNON.....	History
Instructor in Social Studies	
INA WEBB.....	Junior Librarian
Junior Librarian	
FRANK W. WEBSTER.....	Music
Assistant Professor of Music	
KATHERYNE THOMAS WHITEMORE.....	Field Course in History
and Geography of N. Y. State	
Professor of Geography	
JOSEPH WINCENC.....	Music
Assistant Professor of Music	
D. KENNETH WINEBRENNER.....	Art
Professor of Art Education	

SPECIAL FEATURES OF THE 1950 SUMMER SESSION

1. A pre-session course in **Advanced Driver Training** open to students who have had the introductory course. Two hours credit, graduate or undergraduate.
2. An increased **graduate program** offering 36 courses in five major areas, namely, elementary education, home economics, industrial arts, art education, and education for teachers of handicapped children.
3. An **undergraduate program** for those working for certification or the Bachelor's degree. This includes a variety of courses in both the general and professional fields.
4. A ten-day **workshop in elementary school administration** from July 5 to 14. Educators of national and state repute have been engaged as special lecturers, panel chairmen and seminar leaders. Two hours credit may be allowed for those who wish it.
5. **Conference on arithmetic** in the elementary grades. July 27-28. William A. Brownell, Northwestern University, is special lecturer.
6. **Reading Clinic**, open to graduates and undergraduates. Offers teachers experience in the diagnosis of reading difficulties and the development of remedial measures.
7. A **Demonstration School** staffed by six superior elementary school teachers. Provides observation, participation and practice teaching facilities in kindergarten and grades one through seven.
8. A six weeks course in **Driver Education and Safety** for undergraduates or graduates desiring to qualify for a certificate.
9. **Science Camp** at Allegany State Park following summer session—two hours credit.
10. **Symposium in Education of the Handicapped**, including special lectures by specialists of national renown; classes in the area of the mentally retarded, the orthopedic, and speech disorders; and demonstration and practice teaching facilities for those interested in the mentally retarded and the orthopedically handicapped.
11. **Intensive Teacher Training Program for College Graduates**, qualifying students for teaching in the elementary grades. A Master's degree is awarded upon the completion of this program.
12. **Kindergarten and Early Childhood Education Courses.**
13. **Seminar in American Literature**—four weeks on campus and two weeks touring places of literary importance in New York State and New England, directed by Mr. Gronewold.

14. A post-session **History and Geography Field Trip of New York State**, directed by Mr. Rapp and Mrs. Whittemore. Two hours credit.
15. A post-session **Mexican Field Trip**, flying to and from Mexico City, ten days in Mexico. Two semester hours credit.
16. **Convocations** featuring outstanding speakers and special entertainment.

LOCATION OF THE COLLEGE

Buffalo, the Queen City of the Lakes, is an ideal location for a summer school. The climate, tempered by westerly winds from the Great Lakes, is more often cool and comfortable than that of any other eastern city. The city is easily accessible by water, rail, or automobile; and the college can be reached easily by bus or taxicab. Across the street from the college are the Albright Art Gallery and the Buffalo Historical Museum, both imposing and dignified works of architecture; and they offer interesting exhibits and programs to the summer visitor. Just beyond them is Delaware Park, a large municipal recreation center with a lake, a golf course, a bridle path, tennis courts and baseball diamonds. Nearby are the Buffalo School of Fine Arts, affiliated with the college, and the Buffalo Museum of Science, whose programs are available to students. Buffalo boasts one of the finest concert halls in the world, the Kleinhans Music Hall, and a nationally famous symphony orchestra. And for those interested in the drama there are summer theaters operated by professional and semi-professional groups.

ADMISSION

The undergraduate summer session is open to anyone qualified for teaching and students who are attending this college or any other college. High school graduates who have not matriculated in any college are not eligible. Also, this session is not open to students who have not completed high school.

No formal application for admission to the summer session is required. Registration constitutes admission. Students of State, in regular session, who have not graduated must get written permission from the Dean before they will be permitted to register. Regular session students from other colleges are urged to have their programs approved by their respective colleges before registering, to eliminate any difficulty in transferring credit.

Students wishing to apply for admission to the Graduate Division, please read special requirements on pages 23 to 34 of this bulletin. Write to Dr. Robert E. Albright, Director of the Graduate Division, for application blanks or further information.

FEES

The State University of New York has authorized the collection of Summer Session fees, at a uniform rate, by all of the Teachers Colleges of this State. The schedule for the fees of 1950 Summer Session is as follows:

Registration fee:

Undergraduate residents	\$ 7.00 per Semester Hour Credit
Undergraduates, out of state.....	\$10.00 per Semester Hour Credit
Graduate, all students.....	\$10.00 per Semester Hour Credit

Student Union fee.....	\$4.00 per student
Student Activity fee.....	\$1.00 per student
Late Registration fee.....	\$1.00 per day to a maximum of \$3.00

Veterans who wish to file for summer session benefits should complete all arrangements before registration. These arrangements can be made with Mr. Perkins in Room V106, Vocational Building.

RESIDENCE CENTERS

The new Residence Centers on campus include two new fire-proof dormitories accommodating 150 women each, which will be available July 1, 1950. These dormitories are equipped chiefly with double rooms. Each room is furnished with bed, built-in dressers, desk, chairs, etc. Students should bring sheets, pillow cases and blankets for single beds. The rates are \$5.50 per week for room rentals. Meals will be served in the College Cafeteria or in the Student Union if this is ready for use.

Accommodations for men may be arranged in Pioneer Hall, a temporary building on campus, at the rate of \$4.50 per week for the room rentals. Men should bring or arrange to rent sheets, pillow cases or blankets. Meals will be available on campus.

Student helpers in approved homes can secure maintenance and \$2.00 per week in return for three hours of service per day or 21 hours per week.

All inquiries concerning residence should be addressed to the Housing Committee, New York State College for Teachers, Buffalo 22, N. Y.

CREDIT

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

(1) Work done in courses at the Summer Session will be equivalent to the work of the same courses offered during the regular session.

(2) The maximum amount of undergraduate credit allowed is eight semester hours. Students are strongly advised to attempt no 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. An exception to this rule is made in courses requiring laboratory work. No partial credits are given.

(4) No one will be graduated from this college 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 (or last two summers) 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.

(6) Students who intend to matriculate for the Bachelor's degree in this college and who wish to transfer from another institution should have official transcripts 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.

(7) Graduates of the Three-Year Normal Course expecting to qualify for the degree should have their individual records evaluated by the Director of the Summer Session or the Registrar. 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 probably 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 Teaching); 3 hours, American History (not Social Studies 301-2); 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.

(8) Graduate credit. See graduate section, page 23.

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).....	10:10-11:00
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 10:45-1:30.

CURRICULA

I. General Elementary Curriculum. Candidates desiring to earn credit on the General Elementary 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 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. Such courses as Reading Clinic, Kindergarten Education, Music for Children, Children's Literature, Creative Art Workshop are offered for this purpose.

III. Curriculum for Elementary School Principals. For the past eighteen 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. Changes in Requirements for Elementary School Principals' Certificate became effective January 1, 1944. For information write Division of Teacher Education, State Education Department, Albany, N. Y.

IV. Courses Approved for Certification of Teachers of Handicapped Children. There is available to in-service teachers, a

program of special education which leads to State certification in these fields: teaching of mentally deficient children; orthopedically handicapped; partially sighted; speech defective; and hard of hearing.

V. The Graduate Division. Graduate work leading to the degree Master of Science in Education will be offered during the Summer Session in the field of Elementary Education and in the special fields of Art Education, Education for Handicapped Children, Home Economics and Industrial Arts. For complete statement of the graduate program see pages 23 to 34 of this bulletin.

LIBRARY FACILITIES

The library materials of the college are housed in three different locations: on the second floor of the main building is the general collection; adjacent to the Reserve Room is the collection of instructional materials; and on the second floor of the School of Practice is the children's library. These materials are available to undergraduates, graduate students, student teachers, and teachers in service.

Open to the general public in Buffalo are the Grosvenor Library, Franklin and Edward Streets, and the Public Library, Lafayette Square; these have large collections which college students are welcome to use.

IMPORTANT NOTICES

Consult the Calendar on page 2 for details. Graduate students, accelerated students (eight week course) and all veterans will report according to schedule on page 2, Monday morning, July 3rd; undergraduate students, Monday afternoon, as scheduled.

Graduate Department Registration. Application for Admission to the Graduate Department, in any field of study, must be filed not later than June 15. Please write to the Director of the Graduate Department at once for the required blanks. If you have been admitted to the Graduate Department before this Summer Session, no application is required for registration.

Undergraduate Registration. No formal application for admission to the undergraduate department classes is required. Regular session students, entering the Summer Session, must have a permit from the Dean of the College, indicating the summer course load to be scheduled. Students from other colleges should get the approval from their Deans before registering for courses. No undergraduates in the 6 week session will be registered until Monday afternoon, July 3rd.

Veterans. All veterans who are claiming benefits under the G. I. bill please do not fail to report to Rooms V-108 or V-109 Vocational Building, Monday morning, July 3rd, as scheduled on

page 2. Representatives of the Veterans Administration will be present. This meeting is very important to all veterans.

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 or 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.

Dormitories. Dormitories are available for all who wish them, Pioneer Hall for the men and the new dormitory for the women. See page 13 of this bulletin for full information.

Lockers. Those wishing lockers should report at the Ticket Booth on one of the hours indicated. A person in charge will take care of you at that time.

Recreation. Recreation facilities are available to all students any time from 1 p.m. until 5 p.m. Make your wishes known to the person in charge at the gymnasium.

Picnic. The third Wednesday at 4 p.m. is the traditional date for our all college summer session picnic. Reserve that date and be on the lookout for further announcements.

Convocations. Ten o'clock each Thursday is reserved for college convocations. Effort is made to obtain talent of nationwide reputation. All students are urged to attend.

WORKSHOP IN ELEMENTARY SCHOOL ADMINISTRATION

Buffalo State plans to launch a new service this summer for elementary school principals and supervisors. We have for a considerable number of years offered special courses in elementary school administration and supervision. Being aware, however, that a large number of principals and supervisors are unable to leave their positions or duties for a six weeks' term, a Workshop in Elementary School Administration from July 5th through July

14 is being planned. This will enable all to come and study intensively, with state and national leaders, some of the pertinent problems of the elementary school.

The general plan of the Workshop calls for a general session in the morning and seminar study groups for the afternoon. The late afternoons will be interspersed with trips, picnics or excursions to points of local interest.

The morning sessions will consist of addresses by such leaders as Dr. William Young, Director of Elementary Education, State Education Department, Albany; Dr. Virgil Herrick, Head of Elementary Education, University of Wisconsin; Dr. Louis Raths, Director of the Bureau for Intercultural Education, New York City (on leave from the College of Education of New York University); and Dr. John L. Miller, Superintendent of Schools, Great Neck, N. Y. Each morning address will be followed by a discussion led by a panel of distinguished administrators and classroom teachers. The afternoon sessions are to be organized into seminars. These seminars will study intensively pertinent problems of elementary school administration. Recognized leaders in elementary school administration and supervision have been engaged to serve as directors.

The fee for non-credit registrants will be two dollars. Those registering for credit (two semester hours) will pay the regular fee of \$14.00 for undergraduate and \$20.00 for graduate students. The Workshop will be accommodated in our new dormitory and student union.

Write to the Director of Summer Session for a pamphlet of details and an application blank.

READING CLINIC

A laboratory course in the diagnosis and treatment of reading difficulties will be offered this summer by Mrs. Laura Dunklin, teacher of reading at the Buffalo Seminary, and Dr. Howard Dunklin, psychologist for the Buffalo public schools.

The aims of the clinic are (1) to prepare teachers to conduct developmental and remedial reading programs in their own schools, and (2) to remedy the difficulties of children who come to the clinic for help. Each student is encouraged to plan and carry out a program of study that will be most helpful to him in his professional work.

The clinic will be conducted daily in four parts: (1) 9:10 to 10:00, diagnosis and remedial instruction for pupils enrolled; (2) demonstrations by the instructors of diagnosis and remedial instruction of individuals and groups; (3) 11:00 to 12:00, lectures on the normal development of reading ability, physiological and psychological bases of learning to read, causes and prevention of reading disabilities, informal and standardized techniques for group and individual appraisal of reading needs, and classroom and clinical procedures in developmental and corrective

instruction in reading and spelling; (4) 12:10 to 1:00, scoring of tests, interpretation of data, selection of materials, discussion of problems, and planning of remedial instruction.

The course grants six semester hours' credit; fees are \$42.00 for undergraduate study and \$60.00 for graduate study. Registration is limited to 30 students with experience in education. Registration before June 1st is urged to enable the clinic to secure for each student the age and type of child he desires to teach. A place will be held open for each of the 30 students whose application is accepted by Mrs. Dunklin; successful applicants desiring to cancel their applications should notify Mrs. Dunklin promptly in order to release a place for another student.

Students attending other courses may register for the lectures without credit; visitors will be admitted only with the permission of the instructors.

A limited number of pupils will be registered for diagnostic and remedial treatment of reading difficulties. A fee of \$15.00 is charged for special supplies and instructional materials. Each child will be taught for one hour each day by an experienced teacher under the guidance of the staff.

Anyone wishing to register his child for this clinical service should write to: Mrs. Howard Dunklin, 24 Berkley Place, Buffalo 9, New York.

DIVISION OF EDUCATION FOR HANDICAPPED CHILDREN

During the summer session of 1950 courses on the graduate level will be offered for teachers of the mentally retarded, the orthopedically handicapped, and speech defective children. General Elementary undergraduates may qualify for *state* certification in one of these, provided that they obtain the permission of the Director of the Division; students in other divisions may take such courses for *college*, but not for *state*, certification.

A Symposium jointly sponsored by the College, The National Society for Crippled Children and Adults, Inc., The New York State Association for Crippled Children, Inc., and the Western New York Cerebral Palsy Association will be conducted on the campus. The Symposium proposes to give to the student a general overview or orientation into the problems arising in education of handicapped children. Prominent authorities in the fields of medicine, education, speech, occupational and physical therapy, and guidance have been invited to address interested students in general sessions and to serve as consultants to seminar groups which follow.

Opportunities to gain experience in teaching children in the areas of the mentally retarded, the orthopedically handicapped, and speech defective will be in conjunction with the Symposium mentioned above. Students wishing practice-teaching credit in a

specialized area will elect a practicum scheduled during the morning hours, then return to the campus for participation in the Symposium and seminar which follows. A total of six hours credit may be obtained by electing both the practicum and the Symposium.

These courses are also recommended to elementary school teachers, principals, and supervisors.

PREPARATION OF LABORATORY SCHOOL TEACHERS

If you are an experienced elementary school teacher, do you want to teach in the elementary school connected with a teachers college? The demand for such teachers in our New York colleges is strong. The salaries for these positions often exceed those in public schools and the professional stimulations in such situations are important for ambitious teachers.

The summer demonstration school of this college offers you the opportunity to participate in and to assist in directing the practical activities of teachers-in-preparation under the direction of a strong faculty of experienced teachers. In addition, you may study the work of the laboratory school and its relation to the entire teacher education program. During the past two summers four persons have taken advantage of this program; three of these persons are now employed as elementary teachers in colleges.

Write Harry J. Steel, Director of Teacher Education, for details.

MATHEMATICS CONFERENCE

On July 27 and 28 a special conference will be held on "Mathematics for the Elementary Grades." Professor William A. Brownell of Northwestern University will deliver two addresses on July 27. At 10 A.M. Professor Brownell will speak on "What is Arithmetic?" This address will be followed by a panel discussion composed of classroom teachers, supervisors, principals, and superintendents. In the afternoon Prof. Brownell will address members of the conference on "Making Arithmetic Sensible and Useful." Following this address open discussion from the floor will be invited.

July 28 will be a day of group meetings in which members of the conference may discuss, question, and work on individual problems. These groups will be formed on the basis of problems arising from the first day and of problems brought by individual members. Recognized leaders in mathematics will be present to counsel and direct efforts within the various groups.

Registration for the conference will take place from 9 to 10 A.M. on July 27. A registration fee of **one dollar** will be charged.

DEMONSTRATION SCHOOL

A complete elementary school, kindergarten through grade seven, is an integral part of our summer session program. It is staffed by Dr. Harry J. Steel, as Director, members of our regular faculty, teachers from local and neighboring schools, and visiting teachers from out of state.

Children for this school are recruited from local and suburban schools and from students of the summer session whose children desire to attend.

Opportunities for observation and participation are offered the registered students. Specialists frequently use the facilities of the school for demonstration purposes. A limited number of student teachers are assigned to assist the instructors.

Teachers not registered in the summer session are invited to visit our demonstration school, if they are interested in observing modern methods and techniques of teaching. Those interested should write to the Director.

VISUAL EDUCATION

It has been shown by research and experimentation that remarkable improvement in teaching can come through the proper use of audio-visual materials. As a result, many school systems in New York State are inaugurating or expanding the use of audio-visual methods in their instructional program. To meet this growing need for teachers with advanced preparation, the college is offering a graduate workshop in audio-visual education, Education 533s. This course will be open to those who have previously taken basic courses in audio-visual education or have had some experience in teaching, co-ordinating or administrating in this area. It will consider such problems as: financing, accounting; teacher attitude; in-service training, both technical and educational; program coordination and administrative systems.

In addition to this graduate course, Education 433s will be offered to undergraduates to provide them with the knowledges and skills that will lay the foundation for effective use of audio-visual materials in their teaching.

DRIVER EDUCATION AND SAFETY

An intensive two-week Advanced Course in Driver Education and Safety sponsored by the American Automobile Association is being planned to precede the summer session of 1950. Mr. Harold O. Carlton, Educational Consultant for the AAA, will be on campus from June 26-July 7 to conduct the course. He will be assisted by our own Mr. William Palmeter. The course carries two hours of credit and is intended to serve the needs of qualified teachers in service; and it should also attract some of our qualified students on campus. The prerequisite is the completion of the basic course in Driver Education and Safety. Two hours credit may be received.

The course will include the following: Driver Education costs, schedule making, the problem of high school credit, insurance, study of traffic regulations, library research, evaluation, group and individual projects.

Summer Session plans also include a six-week, two credit Basic Course in Driver Education and Safety to be conducted by Mr. William Palmeto from July 5-August 11.

Write to the Director of Summer Session for further information.

THE ACCELERATED PROGRAM

Because of the state and national shortages of elementary school teachers, an accelerated program of **eight weeks**, for the past five years a regular part of the summer session open to men in the Industrial Arts Division, will be open in 1950 to students in the General Elementary Division to give them the opportunity to complete the regular four-year course in three calendar years.

Freshmen, sophomores, and juniors who have done highly satisfactory work in the regular session will be permitted to register in courses offered in the accelerated program. According to Mr. Bradley, Director of the General Elementary Division, a large number of students are interested.

EXTRA-CLASS ACTIVITIES

This summer a program of six Thursday convocations will bring to the entire student body and faculty some of the best platform talent in education, politics, literature, and music. Among those who addressed the summer session last year were: Dr. Paul A. Witty of Northwestern University, Dean Donald A. Durrell of Boston University, Dr. James F. Bender, Director of the National Institute of Human Relations, and Mr. Robert Schulz, a prominent Buffalo concert pianist.

A program of informal student-faculty forums has been a popular feature of previous summer sessions. Last year forums discussed the following topics: great books for teachers, geopolitics for teachers, free public education in a democratic society. Similar forums will be held this summer.

A two-day conference on mathematics in the elementary school is tentatively scheduled for July 27th and 28th. It will present an able group of consultants led by Dr. William A. Brownell, Professor of Education at Northwestern University. The conference, open to all interested persons whether registered in the summer session or not, will consist of major addresses as well as small group conferences on special topics.

The recreational facilities of the college will be available to all students under competent direction. The swimming pool will be open daily from 2:00 to 4:00 P.M.

A number of social programs are arranged to help students and faculty to become acquainted. A summer session picnic is a traditional event. There will be special trips and excursions to places in the area of cultural, historical, and industrial interest to teachers.

The college newspaper, *The Record*, will be published weekly to keep students informed of activities on campus.

GRADUATE DIVISION

1. *Announcement of the graduate program:*

"Approval is hereby given by the Board of Regents to the proposal that a course of study leading to the degree of Master of Science in Education be offered through Summer School, Extension courses and Saturday classes for elementary teachers at New York State College for Teachers, Buffalo. The Board does not approve at this time the establishment of a graduate course of study leading to the Master of Education degree to be offered during the regular college session."

2. *Standards for a graduate degree:*

1. The quantitative requirement for the Master of Science in Education degree shall be the completion of thirty-two semester hours of graduate credit. 2. No graduate degree shall be issued to a student who has not completed a minimum of a year's work in residence at Buffalo. If the residence has been met preceding candidacy for the Master's degree, up to one-fourth of total requirement (eight hours) may be transferred as graduate credit from another accredited college or university. In any case, the last sixteen hours preceding the award of the Master's degree must be taken at Buffalo.

3. *Graduate work limited to Summer Session and Extension Department:*

At present there will be no graduate work offered during the regular college session. Graduate schedules will be planned so that requirements for the Master of Science in Education degree may be completed by attendance at five summer sessions. This time may be shortened by registration in the Saturday Extension Department classes.

4. *Admission Requirements:*

- A. Students must hold an approved bachelor's degree and eligibility to teach in the elementary field or in the field of specialization.
- B. All candidates shall have demonstrated ability to do graduate work as measured by:
 - a. Scholastic achievement in undergraduate work;
 - b. Teaching experience and record;
 - c. Other evaluation measures as may be prescribed by the Graduate Council.

5. *Registration, Fees:*

Registration for Graduate Division classes in Summer Session will be held July 3. Please report first to the Auditorium at 9:00 A.M. for Assembly and further instructions. Graduate Department fees are \$10.00 per credit hour.

6. *Application for admission to the Graduate Division:*

- A. Secure admission blank from the office of the Director of the Graduate Division, which blank will outline fully the procedure to be followed.

B. If you do not hold your Bachelor's degree from New York State College for Teachers, Buffalo, write to the college which granted your degree and ask that an official transcript be mailed to the Graduate Division, New York State College for Teachers, 1300 Elmwood Ave., Buffalo 22, N. Y.

C. Make every effort to have application blank and all other data required in the hands of the Director of the Graduate Division before June 1st for the 1950 Summer Session.

7. *The Graduate curriculum:*

(1) GENERAL ELEMENTARY

(A) For the elementary teacher:

- 6 Semester Hours—Workshop in Elementary Education.
- 3 Semester Hours—Seminar in Elementary Education.
- 3 Semester Hours—Education elective.
- 6 Semester Hours—English and/or Social Studies.
- 6 Semester Hours—Academic electives.
- 4 Semester Hours—Thesis.
- 4 Semester Hours—Unrestricted electives.

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(B) For the elementary principal or supervisor:

- 6 Semester Hours—Workshop in Elementary Education.
- 6 Semester Hours—Seminar in Elementary Administration and Supervision.
- 6 Semester Hours—English and/or Social Studies.
- 2 Semester Hours—Academic electives.
- 4 Semester Hours—Thesis.
- 8 Semester Hours—Unrestricted electives.

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(2) HOME ECONOMICS EDUCATION

Total requirements: 32 semester hours

- Group I. **Advanced Technical Courses** 12 Hours maximum
- Family Life (including Home Management, etc.) 3-6 Sem. Hrs.
 - Foods and Nutrition and/or Clothing and Textiles 3-6 Sem. Hrs.
- Group II. **Advanced Courses Dealing with Problems of Home Economics Education** 10 Hours maximum
- Seminar in Home Economics Ed. required 3-6 Sem. Hrs.
 - Workshop in Home Economics Ed. 3-6 Sem. Hrs.
 - or
 - Electives by Advisement 2-6 Sem. Hrs.
- Group III. **Advanced Courses in General Areas** 10 Hours maximum
- Social Studies 2 Sem. Hrs.
 - Science and/or Art 4 Sem. Hrs.
 - Unrestricted elective 4 Sem. Hrs.

All candidates will be required to submit a thesis or project. 4 semester hours credit will be allowed for this. The credit may be applied to Group I or Group II or be divided between the two groups depending upon the nature of the work.

(3) INDUSTRIAL ARTS EDUCATION

1. **Advanced Technical Courses** 12 Hours maximum
- a. Specialization in Shop Laboratory 2-4 Sem. Hrs.
 - b. Workshop in Industrial Arts Laboratory 2-4 Sem. Hrs.
 - c. Seminar in Industrial Arts Education 2-4 Sem. Hrs.
 - d. Field Studies in Industrial Areas 3-6 Sem. Hrs.

2. **Advanced Courses dealing with Problems Related to Industrial Arts** 10 Hours maximum
- a. Master's thesis or project 4 Sem. Hrs.
 - b. Workshop in Industrial Arts Education 2-4 Sem. Hrs.
 - c. Contemporary Labor Problems and Legislation 2-4 Sem. Hrs.
 - d. Occupational Activities for the Handicapped 2-4 Sem. Hrs.
 - e. Electives by advisement (in substitution for b, c, and d) 2-6 Sem. Hrs.

3. **Advanced Courses in the General Areas** 10 Hours minimum
- a. English 2-4 Sem. Hrs.
 - b. Social Studies 2-4 Sem. Hrs.
 - c. Mathematics and/or Science 3-6 Sem. Hrs.
 - d. Unrestricted electives 3-6 Sem. Hrs.
- Total requirements: 32 semester hours.

(4) ART EDUCATION

1. **Graduate Technical Courses:** 12 Sem. Hrs. maximum
- Art 501. Workshop in Art Education Materials, Processes, and Procedures 3 Sem. Hrs.
 - Art 503. Workshop in Using the Visual Language 3 Sem. Hrs.
 - Art 506. Seminar in Contemporary Art 2 Sem. Hrs.
 - Art 507. Graduate Studio in Drawing, Painting, Graphic Arts 2-6 Sem. Hrs.
 - Art 508. Graduate Studio in Design and Spatial Organization 2-6 Sem. Hrs.
 - Art 509. Graduate Studio in Crafts 2-6 Sem. Hrs.
 - Art 526. Special Project 2-4 Sem. Hrs.
 - *Art 525. Thesis or Research Project 2-4 Sem. Hrs.
- Graduate Courses in the Practical Arts for which the students are qualified 2-6 Sem. Hrs.

2. **Graduate Courses in Related Fields:** 10 Sem. Hrs. maximum
- Art 502. Art Education Today 3 Sem. Hrs.
 - Art 504. Seminar in Art in Human Affairs 2 Sem. Hrs.
 - *Art 505. Seminar in Art Education 3 Sem. Hrs.
 - Art 526. Special Project 2-4 Sem. Hrs.
 - *Art 525. Thesis or Research Project 2-4 Sem. Hrs.
 - Graduate Courses in Psychology and Education 2-6 Sem. Hrs.

3. **General Education Graduate Electives:** 10 Sem. Hrs. minimum
- Graduate courses in the Fields of Music, English, Practical Arts, Social Studies, Sciences and Mathematics, by advisement.

*Required Courses. Thesis or Project may be either of the first two groupings. Total requirement: 32 semester hours.

(5) EDUCATION FOR HANDICAPPED CHILDREN

- A. **Education of Mentally Retarded Children:**
- Ed. H. 501. Workshop in Education of Mentally Retarded Children 6 Sem. Hrs.
 - Ed. H. 511. Seminar in Education of Mentally Retarded Children 2 Sem. Hrs.
 - Ed. H. 521. Guidance of Mentally Retarded Children 2 Sem. Hrs.
 - *Ed. H. 541 *Psychology of Handicapped Children 2 Sem. Hrs.
 - Ed. H. 525. Thesis 4 Sem. Hrs.
 - English and/or Social Studies as required by Graduate Division 6 Sem. Hrs.
 - Academic elective as prescribed by the Graduate Division 6 Sem. Hrs.
 - Unrestricted elective 4 Sem. Hrs.

B. Education of Orthopedically Handicapped Children:

Ed. H. 502. Workshop in Education of Orthopedically Handicapped Children	6 Sem. Hrs.
Ed. H. 512. Seminar in Education of Orthopedically Handicapped Children	2 Sem. Hrs.
Ed. H. 522. Guidance of the Orthopedically Handicapped	2 Sem. Hrs.
Ed. H. 525. Thesis	4 Sem. Hrs.
*Ed. H. 541. *Psychology of Handicapped Children English and/or Social Studies as required by the Graduate Division	2 Sem. Hrs.
Academic elective as prescribed by the Graduate Division	6 Sem. Hrs.
Unrestricted elective	4 Sem. Hrs.
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C. Education in Speech Correction:

Ed. H. 503. Speech Correction and Clinic	3 Sem. Hrs.
Ed. H. 513. Seminar in Speech Science	3 Sem. Hrs.
Ed. H. 523. Applied Phonetics	2 Sem. Hrs.
Ed. H. 533. Seminar in Speech Pathology	2 Sem. Hrs.
Ed. H. 525. Thesis	4 Sem. Hrs.
Ed. H. 535. Mental Measurement	2 Sem. Hrs.
Free Elective	2 Sem. Hrs.
*Ed. H. 541. *Psychology of Handicapped Children English and/or Social Studies as required by the Graduate Division	2 Sem. Hrs.
Academic electives as prescribed by the Graduate Division	6 Sem. Hrs.
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* NOTE: Ed. H. 541—This course is required by the State Education Department for certification to teach handicapped children. Students who have received certification prior to entrance upon graduate study, will not be required to take Ed. H. 541.

D. Education of Hard of Hearing Children.*

E. Education of Partially-sighted Children.*

* If interested in Graduate work in the fields of Hard of Hearing Children and Partially-sighted Children please write to Dr. Maurice Fouracre, Director of the Department of Education for Handicapped Children, New York State College for Teachers, Buffalo 22, N. Y. for further information.

8. *Elementary Teaching Certification for Liberal Arts College Graduates:*

Due to the extreme shortage of elementary teachers, the State Education Department has approved a plan whereby college graduates may enter an intensive training program to prepare for general elementary school teaching. The completion of a minimum of 30 semester hours, on the graduate level, 24 hours of which shall be in education courses approved for elementary school teaching, and evidence of satisfactory teaching, for a period of 5 years, as determined by an approved evaluation program, will entitle the student to a permanent certificate to teach in the elementary grades.

This program has been inaugurated to help relieve the current teacher shortage. Satisfactory completion of prescribed professional courses taken in the 1950 Summer Session will entitle the college graduate to a renewable certificate valid for one year. Additional renewals will be granted upon evidence of continued summer session and/or extension study and satisfactory teaching.

If the student wishes to complete the requirements for the Master's Degree in education, 8 hours of graduate study, elected under the guidance of the Graduate Division of this college, will be required in addition to the 24 hours of required courses in elementary education. All college graduates interested in this program for certification in ele-

mentary school teaching, should secure application blanks and complete instructions for registration as soon as possible. Write to Dr. Robert E. Albright, Director of the Graduate Division, New York State College for Teachers, Buffalo 22, N. Y. for the necessary information. The following is the curriculum for certification of Liberal Arts Graduates:

Intermediate and Upper Grade Group

Workshop in Elementary Education (Summer Session only)	6 Sem. Hrs.
Seminar in Elementary School Problems (Emphasis on Science, Mathematics and Language Arts)	3 Sem. Hrs.
Creative Arts Workshop (Music and Art)	3 Sem. Hrs.
Workshop in Child Development (Summer Session only)	6 Sem. Hrs.
Problems in Elementary School Curriculum	3 Sem. Hrs.
Seminar in Elementary Education	3 Sem. Hrs.
Electives	6 Sem. Hrs.
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Kindergarten-Primary Group

Workshop in Elementary Education (Summer Session only)	6 Sem. Hrs.
Kindergarten Education	3 Sem. Hrs.
Psychology of the Pre-School Child	3 Sem. Hrs.
Seminar in Elementary School Problems (Emphasis on Language Arts, Science, Mathematics)	3 Sem. Hrs.
Creative Arts Workshop (Music and Art for Teaching of Young Children)	3 Sem. Hrs.
Workshop in Child Development (Summer Session only)	3 Sem. Hrs.
Electives	6 Sem. Hrs.
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DESCRIPTION OF GRADUATE COURSES TO BE OFFERED IN SUMMER SESSION 1950

I. General Elementary Education

1. EDUCATION.

Ed. 500s. **The Workshop in Elementary Education.** Participants in the Workshop are encouraged to work on individual problems which have been encountered in actual practice. Through individual counseling and small interest groups an attempt is made to guide each student in his efforts to solve his problems. The Workshop is further characterized by a general seminar, and wide use is made of the demonstration school. The Workshop is required of all students registered for the degree of Master of Science in Education. The enrollment is limited. 8:30 to 3:00 daily. Six semester hours credit. Mr. Bradley, Mr. Hertzberg, Mrs. Ulery, Miss Heffernan, Mr. Crayton, Mrs. Goney, Mr. Webster.

Ed. 500As. **Workshop in Elementary Education.** (Liberal Arts Graduates Only) The Intensive Training Workshop in Elementary Education will emphasize (a) child development, (b) elementary methods and materials, (c) preparation of an individual report. Opportunity will be presented for Workshop members to have experience with children in the Demonstration School under the guidance of experienced teachers. The course is required of all students who register in the Intensive Teacher Training Program. Six semester hours credit. Miss Lange, Miss Concannon, Miss Gover, Mr. Webster, Mr. Conant, Miss Gardiner.

Ed. 501s. Seminar in Elementary Education. An attempt is made to guide the graduate student to increase his abilities and to extend his willingness to use scientific educational research in solving problems in elementary education. Problems to be considered are: (1) the nature of scientific educational research, and (2) special problems selected by individual students from the area of elementary education. Eight class hours per week. Three semester hours credit. *Mr. Crayton.*

Ed. 501As. Seminar in Elementary Education. (For Intensive Teacher Training Program only). See 501s. above for description. Eight class hours per week. Three semester hours credit. *Mr. Milanovich.*

Ed. 502s. Supervision. An analysis of the principles and practices of supervision as they are related to the improvement of teaching and learning in elementary schools, including specific techniques, objective analysis of class room activities and concrete applications to every day problems. The course will consist of readings, lectures, reports, discussions, and tests with an opportunity to work on individual projects. Eight class hours per week. Three semester hours credit. *Mr. Kumpf.*

Ed. 503s. Elementary School Principalship A.—Organizing the School and the Curriculum. The general objective of 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; studying the community; current plans for organizing the whole school and its resources, both curricular and extra curricular; assignment of teachers and pupils; policies of classification and promotion; problems in scheduling and office organization. This course may either precede or follow Elementary School Principalship B. Open to principals, supervisors, experienced teachers, and others especially qualified. Those who have passed Ed. 440 may not register for this course. Eight class hours per week. Three semester hours credit. *Mr. Kumpf.*

Ed. 506s. Philosophy of Education. An attempt is made to guide the student to study critically certain principles underlying educational practices and to formulate a philosophy for his own teaching procedures. Major problems to be considered are: (1) changing conceptions of education, (2) education's responsibilities in a democratic society, (3) the nature of reflective thinking and its educational implications, and (4) some essential phases of a teaching procedure suggested by the democratic concept of education and other concepts discussed. Elective. Eight class hours per week. Three semester hours credit. *Mr. Sloan.*

Ed. 512s. Seminar in Child Development. (For Intensive Teacher Training Program Only) Study of the growth and development of children with particular reference to the elementary school years. Consideration of needs of teachers in understanding and guiding child growth in the mental, social physical and emotional areas. Opportunity for individual and group work on specialized problems. Field trips and observations in classrooms. Open only to Liberal Arts graduates who have had Workshop in Elementary Education. Six semester hours credit. *Mrs. Penn.*

Ed. 514s. Diagnostic and Remedial Techniques in the Elementary School Subjects. (For Intensive Teacher Training Program Only) Studies of current practices, concepts, and principles governing individual problems of learning in the elementary school subjects. Opportunity will be provided for the study of topics of interest to students in an attempt to help the teacher better evaluate and understand the learning needs of children. Tests, research, techniques of diagnosing children's abilities, and procedures to remedy learning problems will be discussed. The course will emphasize a practical, usable approach to the learning problems of children in the elementary school grades. Eight class hours per week. Three semester hours credit. *Mr. Milanovich.*

Ed. 520s. Workshop in Elementary School Administration. See description on p. 17.

Ed. 533s. Workshop in Visual Education. A course related to the problems of organizing and operating a visual education program in the public schools. The psychological justifications of the audio-visual forms of instructional enrichment are identified and studied. The significant research concerning the improvement of practices through visual aids is explored and appraised. The problem of teacher attitude and co-operation is recognized and solutions sought. The problems of housing, financing, and co-operative ordering are isolated and studied. The problem of evaluation of both individual films and other visual and auditory aids and the total visual instructional program is a major concern of this course. Elective for graduate students and for senior undergraduate students who recognize its value in their immediate teaching plans. Eight Class Hours. Two laboratory hours to be arranged. Three semester hours credit. *Mr. Smay.*

Ed. 654s. Advanced Course in Driver Education. See p. 21.

Ed. 585s. Reading Clinic. Clinic hours 9:10 to 1:00. The major objective of this course is to prepare teachers for carrying on Remedial Reading programs in their own schools or classrooms.

Lectures will deal with identification of reading disabilities, causes, and types of disabilities, methods and materials of diagnosis and remedial instruction in reading and spelling, maladjustments and ways of dealing with them, prevention of reading disability, and setting up of effective remedial programs in schools. Ways of improving the students' own reading will be presented.

Laboratory. Each student will make a diagnosis of one child's reading disability and give needed instruction.

9:10 to 10:00 Diagnosis and instructions of pupils.

10:10 to 12:00 Lectures and demonstrations by the instructors and discussions of problems which arise.

12:10 to 1:00 Interpretation of pupil needs and planning of remedial instruction. Six semester hours credit. *Mrs. Dunklin, Mr. Dunklin.*

Ed. 590s. Preparing Laboratory Teachers.

NOTE: Opportunity to study intensively the laboratory activities for teacher education exists. See statement in this bulletin, p. 20.

2. ENGLISH

***Eng. 502s. Studies in American Literature.** Aspects of literary culture in America from the Colonial Period to the present. Religious and political influences upon early writings; the Romantic Movement and Transcendentalism; the development of realism and regional literature. Eight class hours per week. Three semester hours credit. *Mr. Gronewold.*

*NOTE: Will be offered as an alternative to Eng. 513s.

Eng. 505s. Studies in the Novel. The reading of outstanding 19th century American, English and Continental novels pointed towards an understanding and appreciation of these novels; special research by each student on some particular aspect of the novels read or on the method of some one novelist. Eight class hours per week. Three semester hours credit. *Mr. Gragg.*

Eng. 506s. Studies in the Modern Drama. General intellectual influences contributing to a renaissance of drama in Europe and America; Ibsen and the play of ideas, realism, naturalism, symbolism, sociological drama. Readings and investigations. Eight class hours per week. Three semester hours credit. *Mr. Bradford.*

Eng. 513s. Seminar-Tour in American Literature. A study of major American writers before 1900 in connection with a tour of locales associated with these writers. The study will cover four weeks; the tour, two weeks. Particular writings selected for study will be associated with locales to be visited. The writers include Emerson, Thoreau, Cooper, Longfellow, Whittier, Hawthorne, Bryant, Irving; the locales, New York City, Catskills, Cooperstown, the Berkshires, Boston, Cape Cod, Concord, Walden, Cambridge, and Haverhill. The cost of the tour will be approximately \$175 plus tuition. Sixteen class hours per week for the first four weeks. Last two weeks on tour. Six semester hours credit for the six weeks course including the tour. Two semester hours credit for qualified students who take the tour only. *Mr. Gronewold.*

3. GEOGRAPHY

Geog. 501s. Studies in Industrial Geography. Intensive analysis of selected problems chosen from several aspects of economic geography. Selection is based on importance in current world problems and on student needs and interests. At least one study is made of an industry in the local area to give experience in field study. Open to Industrial Arts, Home Economic and General Elementary students with consent of instructor. Eight class hours per week. Three semester hours credit. *Miss Lemaire.*

S.S. 507s. Field Course in the History and Geography of New York State. Open to graduates. For description of the course see listing under Social Studies Graduate Courses, page 31. Two semester hours credit. *Mr. Rapp and Mrs. Whittemore.*

S.S. 508s. Field Course in Mexican Culture. Open to graduates. For description of the course see listing under Social Studies Graduate Courses, page 32. Two semester hours credit. *Mr. Peterson.*

4. SCIENCE

Sci. 500s. Science in the Elementary Curriculum. This course is designed to acquaint teachers of all elementary grades with the background, purposes and present scope of science in the elementary schools. A feature of the course will be a professional review of subject matter with demonstrations, experiments, motion pictures, as well as extensive outside reading. Opportunity is given the class members to prepare experiments and demonstrations in laboratory periods and to present them before the class group. Ten class hours per week including laboratory. Three semester hours credit. *Mr. Urban.*

Sci. 501s. Field Studies in Science I. Selected field studies, both group and individual, acquaint the participants with the various areas in which "field studies" may be used. Each individual is expected to cover one or more areas intensively, the emphasis of topics being governed by the needs of the State Elementary Science Syllabus. Ecological relationships are expected to bind the various field studies into one unified program. Elective for Seniors with an average of B in science completed to date and to graduates with six hours of undergraduate science. Ten hours per week. Three semester hours credit. *Mr. Swenson.*

Sci. 503s. Ecology. Attention is given in this course to the interrelationships existing among living things, and to the relationships between living things and their environment. Consideration is given to such concepts as the relations existing between organisms of the same species; between organisms of different species; between organisms and such factors as temperature, light, soil, moisture and food supply. Ecology may be defined as "scientific nature study". The work will be non-technical, with special attention given to elementary school applications. Readings, term paper, field and laboratory work. Ten class hours per week including laboratory and field trips. Three semester hours credit. *Mr. Urban.*

Sci. 504s. Science Camp. Elementary school teachers and prospective teachers who are interested in extending their knowledge of the science of the out-of-doors are invited to attend the Science Camp which will be held at Allegany State Park on August 13-25, 1950.

Instruction will not be of a technical nature, but it will be scientific in content. Emphasis will be placed on learning how to identify common birds, insects, wild flowers, trees and other living things. The relationships between living things and such environmental factors as temperature, light, soil and water will be emphasized. The geology of the Park, and of western New York, will be stressed. An important part of the work will consist of showing teachers how to use the environment in their own teaching, since many of the principles involved are usable even in city schools. Field trips, laboratory work, reference study, and lectures will make up the course.

The Science Camp will occupy a group of twelve cabins and a large central lodge. Ten of the cabins will be used for housing students. Meals will be prepared

and served at the central lodge. A new swimming pool adjacent to the cabins will be reserved for Camp members. While the Camp is rustic in nature, it is comfortable.

Two hours of credit will be granted students who complete the requirements of the course. Both graduates and undergraduates may enroll, but the latter must have completed six credit hours of General Biology and three credit hours of Physical Science, or the equivalent.

The cost of attendance at the Camp is moderate. The usual charge will be made for the two hours of credit. Lodging and meals will cost approximately \$20.00 per week, so that the total expense will be about \$60.00 for graduate students and \$55.00 for undergraduates.

Because enrollment is limited to 50 students, those interested should make reservations as soon as possible. Communications concerning the Camp should be sent to Professor John Urban, Director of Science Camp, New York State College for Teachers, 1300 Elmwood Avenue, Buffalo 22, N. Y. A check or money order for \$10.00 payable to John Urban should accompany the application for reservation. This sum will be applied to the lodging and meals charge; it will be refunded, if a request for cancellation of the reservation is received before June 15, 1950.

5. SOCIAL STUDIES

S.S. 500s. Studies in Twentieth Century American History. Intensive analysis of selected aspects of American life since 1900, with emphasis on significant trends, policies, or ideas in the areas of politics, diplomacy, and national culture. Selection of topics for study is dictated by student needs and interests. Prerequisites: 18 hours in Social Studies, including six in American History and six in European History. Eight class hours per week. Three semester hours credit. *Mr. Peterson.*

S.S. 504s. History of the American Frontier. Studies in the progress of settlement from the Atlantic to the Pacific, with special attention to the transmission of culture, developments in transportation, the process of state-making, the transition from agrarian to urban communities, and the social, economic and political effects of the westward march upon the United States as a whole. Prerequisites: 18 hours in Social Studies, including six in American History and six in European History. Eight class hours per week. Three semester hours credit. *Mr. Rapp.*

S.S. 505s. Studies in Contemporary Economic Problems. Discussion of contemporary problems, including international trade, international finance, inflation, labor legislation, problems of labor and management and price levels. A special study will be made by each student of one selected phase. Open to Industrial Arts and Home Economic students and to General Elementary Graduates with the consent of the instructor. Eight class hours per week. Three semester hours credit. *Mr. Albright.*

S.S. 507s. Field Course in the History and Geography of New York State. A field trip through New York State, August 14-26, 1950. The route will lead through the Allegheny Plateau, the Catskills, the Hudson and Champlain Lowlands, the Adirondacks, the Mohawk Valley, Tug Hill and the Black River Valley, the St. Lawrence Lowland, and the Lake Plains.

Those aspects of history and geography and their interrelation that can best be taught on the spot will be emphasized: the characteristics of the geographic regions within the state; the colonial and pioneer settlement and the present population pattern; transportation routes and facilities; forts and battlefields of three wars, industrial development; conservation practices; places associated with famous people and movements.

Local authorities in conservation, agriculture, industry, and history will assist in the instruction. Attention will be given sources of information that aid in understanding what is seen and training will be given in techniques that make a travel experience meaningful.

Since enrollment is limited, a deposit of \$25.00 must be made with reservation. Balance must be paid by July 15, 1950. Deposit will be returned if notice of cancellation is given before June 1, 1950. Send reservations, deposits, and inquiries to Mr. Marvin A. Rapp, Director, New York Field Course,

Open to graduate and upperclass undergraduate students. Two semester hours credit. *Mr. Rapp and Mrs. Whittemore.*

S.S. 508s. Field Course in Mexican Culture. A field trip to Mexico, August 12-25, 1950. The class will visit Mexico City and environs, Cuernavaca, Taxco, Puebla, and Fortin. The round trip to Mexico City will be made by plane, one day each way; in Mexico, travel will be by private bus.

The course will emphasize those historical, geographic, and cultural aspects of Central Mexico which furnish appropriate background for an appreciation and understanding of Mexican life. These aspects will be studied on the spot through visits to the principal sites of Aztec, Spanish, and Mexican history, to the chief physical features of Mexico's central plateau and its adjacent mountains, to public buildings and art galleries, and to schools and handicraft workshops.

Wherever feasible, local specialists will assist the instructor. Two days will be spent on campus for orientation and travel arrangements that will make the course more pleasant and meaningful.

Since enrollment is limited, a deposit of \$25.00 must be made with reservation. Balance must be paid by July 15, 1950. Deposit will be returned if notice of cancellation is given before June 1, 1950. Send reservations, deposits, and inquiries to Mr. Harold F. Peterson, Director, Mexico Field Course. Open to graduate and upperclass undergraduate students. Two semester hours credit. *Mr. Peterson.*

II. Art Education

Art 507s. Graduate Studio in Drawing, Painting, Graphic Arts. Opportunity for individual work in a variety of media. Concentration or spread of experience among these to be determined for each individual according to his background and needs. Studio and outdoor problems, field and gallery trips. Twelve class hours per week for three semester hours credit. Eight class hours per week for two semester hours credit. *Mr. Conant.*

Art 505s. Seminar in Art Education. Consideration of problems and projects presented by individuals, based on special needs of teachers and supervisors of art in various types of communities and schools. The seeking of solutions in terms of contemporary philosophy, psychology, principles and practices in art and general education. The use of known research and scientific methods in determining programs, policies, and procedures for the art teacher and supervisor. Opportunity for individual and group work on specialized problems, with various members of the graduate staff participating and advising. Required of all Art Education students. Prerequisite: one or more years of teaching. Ten class hours per week. Three semester hours credit. *Mr. Czurlies.*

Art 508s. Graduate Studio in Design and Spatial Organization. Opportunity for individualized work in designing with paint and materials. Specialization may be in commercial designing of textiles, wall paper, etc.; lay-out for publications; home planning and furnishing; stage design, industrial design; or other functional or decorative art. Twelve class hours per week, for three semester hours credit. Eight class hours per week for two semester hours credit. *Mr. Dakin.*

Art 509s. Graduate Studio in Crafts. With extensive facilities available for craft work of all kinds, this course is offered to teachers of art, and qualified teachers in other fields to further develop their knowledge and skills in the crafts, and to explore the possibilities of using various three-dimensional media in their school programs. The course offers opportunity for individualized work in wood-carving, wood sculpture, plastics, jewelry, clay and metal work. Twelve class hours a week for three semester hours credit. Eight class hours per week for two semester hours credit. *Mr. Winebrenner.*

III. Education for the Handicapped

***Ed. H. 500s. Symposium in Methods for the Education of Handicapped Children.** A course featuring daily lectures by nationally prominent authorities in the fields of education of the mentally retarded, orthopedically handicapped, and speech and hearing defective children. This symposium is divided into two parts. The first half will be the general lecture and discussion, and the second part will be devoted to discussions in seminar in each area mentioned above. Daily 1-3:30. Three semester hours credit.

* For New York State certification to teach handicapped children, Ed. H. 500 may be substituted for Ed. H. 511, Education of Mentally Retarded Children; Ed. H. 512, Seminar in Education of Orthopedically Handicapped Children; Ed. H. 533, Seminar in Speech Pathology; or for an additional three hours or practicum in a given area. Ed. H. 500 may be taken independently of 501, 502 and 503.

Ed. H. 501s. Practicum in Education of Mentally Retarded Children. Observation and individual participation in a classroom of young mentally retarded children. Group discussions and experimentation in techniques and materials used in a functional program of education for the mentally retarded. Daily 9-12. Three semester hours credit. *Mr. Fouracre.*

Ed. H. 502s. Practicum in Education of Orthopedically Handicapped Children. Observation and individual participation in a class of orthopedically handicapped children. Understanding and use of techniques and materials for both an academic and a non-academic curriculum. The classroom enrollment will include children who are cerebral palsied, post-polyomyelitis, congenital anomaly cases, and other orthopedically handicapping conditions. Daily 9-12. Three semester hours credit. *Miss Ryder and Mrs. D'Agostino.* (This class will be held at the Crippled Children's Guild)

Ed. H. 503s. Clinical Procedures in Speech Correction. Observation and participation in diagnosis and treatment of speech abnormalities in children. Children selected for the Speech Clinic have varying types and degrees of speech defects, so that students may have an opportunity to treat different speech problems. Daily 9-12. Three semester hours credit. *Mr. Flower.*

IV. Home Economics Education

H. Ec. 500s. Seminar in Home Economics Education. Survey and evaluation of recent research in the field of Home Economics Education. Study will center around special problems selected by individual students from the area of Home Economics Education. Eight class hours per week. Three semester hours credit. *Miss Grant.*

H. Ec. 508s. Workshop in Advanced Clothing. Practical study of pattern making and dress design of pattern alterations with particular reference to the problems met in clothing classes. These experiences will be evidenced by garments made in class. Eight class hours per week. Three semester hours credit. *Miss Wybourn.*

H. Ec. 509s. Seminar in Textiles. A study of newer development in the field of textiles with particular emphasis on information for the consumer with regard to the selection, utilization and care of modern textiles. Eight class hours per week. Three semester hours credit. *Miss Wybourn.*

V. Industrial Arts Education

I.A. 501s. Seminar in Industrial Arts. A survey course of current and special problems in Industrial Arts Education. Problems are selected on an individual and group basis according to student needs. The course is characterized by extensive research, reports, group and class discussion. Required of students registered for the degree of Master of Science in Education. Eight class hours per week. Three semester hours credit. *Mr. Neuthardt.*

I.A. 513s. Workshop in Ceramics. Principles and techniques of operation of an Industrial Arts Ceramics program, embracing, in addition to basic operations, advanced forming processes, glazing, composition, decorative treatments, firing techniques, and kiln construction. Workshop procedure will be typical of activity in the laboratory. 3 clock hours daily. Three semester hours credit. *Mr. Strong.*

I.A. 515s. Transportation Laboratory. An advanced project and problems course concerned with specialized areas of transportation such as planning, organizing, principles and techniques of operation, study of basic operations and evaluation. Students who wish to develop greater technical knowledge and mechanical skills are encouraged to choose and undertake projects and problems of a highly technical nature in areas such as automotive, aviation, marine diesel, model-making, engine analysis, electrical repair, carburetor repair, construction of demonstration models and other forms of visual aids. The workshop technique will be typical of the activity in the laboratory. 3 clock hours daily. Three semester hours credit. *Mr. Mandel.*

I.A. 517s. Electronics. A workshop concerned with the teaching of electronics in the junior and senior high school Industrial Arts program. Individual and group activity concerned with electronic theory, electronic tubes in radio communication, electronic circuits and their applications, commercial and electronic devices and principles of television.

The course will be planned in order to give the teacher a particular situation, the maximum opportunity to initiate and perfect a suitable course of study for his own school. 3 clock hours daily. Three semester hours credit. *Mr. Cook.*

DESCRIPTION OF UNDERGRADUATE COURSES

ART

Art 313s. 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. Study of use of art in industry, business, civic affairs, and entertainment. Elective. Five class hours per week. Two semester hours credit. *Mr. Flemming.*

Art 400s. Workshop in Crafts. Studio course in various crafts including: leather work, metal work, ceramics and jewelry. Class and individual instruction with considerable election as to the projects to be undertaken. Twelve class hours per week. Three semester hours credit. *Mr. Winebrenner.*

Art 406s. Creative Art Workshop. Activities and experiments in various art materials suitable for the elementary grades, with emphasis on the newer processes. Organized as a laboratory workshop with opportunity for individual experiment in various media, including water color, powder paint, finger paint, tempera, inks, dyes, crayon, paper, cardboard, wood, cloth, soap, clay plaster, rubber, plastics, wire, thin metals, yarn and other materials. Twelve class hours per week. Three semester hours credit. *Mr. Flemming.*

Art 408s. Painting. A course in various painting media including oil, watercolor gouache and tempera. Individual instruction with wide variance of approach and theme taking advantage of the creative resources in the community. Special attention will be given to individuals new to the field as well as concentrated guidance to the experienced. Elective. Twelve class hours per week. Three semester hour credits. Eight class hours per week for two semester hours credit. *Mr. Dakin.*

EDUCATION

Ed. 102s. Child Development. This course aims to give students an understanding of the theory and practice of principles underlying proper guidance and adjustment of children to life situations. Discussion will center on the emo-

tional, mental, personal and social development of normal children, causes of deviation from normal behavior and how to overcome such maladjustments. Observations in the campus Demonstration School will be arranged to study and observe children. Eight class hours per week. Three semester hours credit. Prerequisite: Ed. 101 or equivalent. *Mr. Hertzberg.*

Ed. 306s. Kindergarten Education II. A study of current trends affecting the curriculum for children in four- and five-year-old kindergartens and first grades. Children's experiences in learning will be considered in relation to present day practices and understanding. Records and evaluation of children's growth will be topics for discussion. The place of reading will be studied as it is related to the entire program. Required for Kindergarten certification. Eight class hours per week. Three semester hours credit.

Ed. 309s. Diagnostic and Remedial Techniques in Elementary School. See description under Graduate Course Ed. 514s, p. 28.

Ed. 402s. Seminar in Elementary School Teaching. An attempt is made to guide the student to integrate and to extend the experiences of the education sequence and focus these experiences on the professional character of teaching. Major problems to be considered are: (1) the place of science and philosophy in elementary school teaching, and (2) problems of the classroom teacher in the State of New York. The central aim is to develop ability and willingness to use appropriate study habits and scientific methods of research in solving educational problems in a democratic society. Required of fourth year students in General Elementary Division. This course replaces Principles of Education. Eight class hours per week. Three semester hours credit. *Mr. Sloan.*

Ed. 433s. Audio-Visual Education. A basic audio-visual education course, Education 433s will be offered to undergraduates to provide them with the knowledges and skills that will lay the foundation for effective use of audio-visual materials in their teaching. In this basic course the following problems will be explored: psychological basis for an audio-visual program; equipment and materials orientation; integrating audio-visual methods into a teaching program; coordinating an audio-visual program in a school, securing and making projected materials, models, mockups, etc.; and evaluating a program. While this course is primarily planned for those who have teaching experience, seniors whose interest or background is sufficient will be admitted. Five class hours per week. Two semester hours credit. *Miss Heacock.*

Ed. 463s. Driver Education and Safety. Course designed to certificate teachers to instruct in driver education. It consists of behind-the-wheel training, classroom work, and experiences with psychophysical apparatus. Four class hours per week. Six driving hours per week. Special Fee—\$4.00. Two semester hours credit. *Mr. Palmeter.*

Ed. 464s. Advanced Driver Education and Safety. See p. 21.

Ed. 585s. Reading Clinic. Open to undergraduates. See course description under graduate courses p. 18 and 29.

EDUCATION FOR THE HANDICAPPED

Ed. H. 500. Symposium in Methods for the Education of Handicapped Children. 3 semester hours credit.

Ed. H. 501s. Practicum in Education of Mentally Retarded Children. 3 semester hours credit.

Ed. H. 502s. Practicum in Education of Orthopedically Handicapped Children. 3 semester hours credit.

Ed. H. 503s Clinical Procedures in Speech Correction. 3 semester hours credit.

ABOVE CLASSES OPEN TO UNDERGRADUATES WITH CONSENT OF INSTRUCTOR. For course description see listing under Education for the Handicapped—graduate courses, page 19.

ENGLISH

Eng. 204s. English Literature. A study of the prose and poetry of the significant English writers from the beginners through the Victorian Period. Required of General Elementary sophomores, Home Economics seniors, Industrial Arts juniors. Eight class hours per week. Three semester hours credit. *Mr. Gragg.*

Eng. 210s. Children's Literature. A survey of literature written for children. The selection and examination of books for varying age levels, authors and illustrators, the technique of presenting literature to children by reading and telling stories, contributions in the field of children's poetry. Attention will be given to those units of the English Handbook which relate to this course. Elective for General Elementary Sophomores, Juniors and Seniors. Eight class hours per week. Three semester hours credit. *Mrs. Ganey.*

Eng. 304s. American Literature. Literature as an 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. Five class hours per week. Two semester hours credit. *Mr. Bradford.*

Eng. 341s. Speech Education in the Elementary School. A course prepared to meet the practical needs for handling speech in the elementary school. Emphasis given to the method of improving normal speech, but consideration of minor speech correction problems also included. Suggestions for the teaching of poetry, of creative dramatics and the organization of assembly programs are added features of the course. Eight class hours per week. Three semester hours credit. *Miss Goossen.*

Eng. 418s. Choral Speaking. Adaptation and presentation of suitable material for the speech choir; study of various types of choric arrangement; the part voice and diction play in the choir; the direction of the speech choir; the possibilities of choric drama. Elective for juniors and seniors. Five class hours per week. Two semester hours credit. *Miss Goossen.*

***Eng. 431s. Milton.** Readings in the prose and poetry of John Milton with principal stress on Paradise Lost. Elective for juniors and seniors. Eight class hours per week. Three semester hours credit. *Mr. Gronewold.*

* NOTE: To be offered as an alternative to Eng. 513s.

Eng. 513s. Seminar-Tour in American Literature. Open to undergraduate students. See description under Eng. 513s, page 29. *Mr. Gronewold.*

GEOGRAPHY

Geog. 402s. Economic Geography. A continuation of Geography 301 with emphasis on the agricultural, industrial and commercial aspects of geography. Topics are related to current affairs. Required of all General Elementary Seniors. Elective for others. Prerequisite: Geography 301. Eight class hours per week. Three semester hours credit. *Mr. Corfield.*

Geog. 407s. Conservation of Natural Resources. A survey of the extent, distribution, and condition of the major natural resources of the United States and the aims and accomplishments of the conservation movement. Eight class hours per week. Three semester hours credit. *Miss Lemaire.*

S.S. 507s. Field Course in the History and Geography of New York State. Open to upperclass undergraduate students. For course description see listing under Social Studies Graduate Courses page 31. Two semester hours credit. *Mr. Rapp and Mrs. Whittemore.*

S.S. 508s. Field Course in Mexican Culture. Open to undergraduates. For description of the course see listing under Social Studies Graduate Courses, page 32. Two semester hours credit. *Mr. Peterson.*

HEALTH EDUCATION

H. Ed. 402s. Health Protection. School and community health problems; school health services; communicable disease control; water supply and sewage disposal; food sanitation; safety education. Required of General Elementary seniors. Prerequisites: Health Education 201-202; Physical Education 301-302. Five class hours per week. Two semester hours credit. *Mr. Coyer.*

MATHEMATICS

Math. 101s. General Mathematics. Development and classification of numbers, formulas, equations, graphs, functions, the way of geometry, finance and investment, mathematics as a useful growing science. Required of General Elementary freshmen. Eight class hours per week. Three semester hours credit. *Mr. Ebert.*

Math. 201s. College Algebra. Functionality, equations, graphs, variation, progressions, complex numbers, mathematical induction, theory of equations, logarithms, permutations, combinations, probability, annuities, determinants, series. Sophomore elective. Eight class hours per week. Three semester hours credit. *Mr. Ebert.*

MUSIC

Music 305s. Music for Children. A course designed to meet the needs of the classroom teacher in the use of music with emphasis on Nursery, Kindergarten and Primary levels—Songs, Rhythmic activity, the child voice, listenings, creative music and instruments, the piano, games and dances, recordings, films, books. Elective for sophomores, juniors and seniors. Eight class hours per week. Three semester hours credit. *Mr. Webster.*

Music 404s. The Art of Enjoying Music. An inquiry into the field of music with specific application to the advanced aesthetics of music. Elective for sophomores, juniors and seniors. Eight class hours per week. Three semester hours credit. *Mr. Wincenc.*

SCIENCE

Sci. 101s. Physical Science I. A survey of three branches of science frequently encountered in the elementary school curriculum. Astronomy, geology and weather are studied with emphasis placed upon such ideas as the size and organization of our solar system; energy transformation and their relationship to weather; processes which have modified and continue to modify the earth's surface. Ten class hours per week including laboratory. Three semester hours credit. *Mr. Thielking.*

Sci. 202s. Biology. An elementary course, stressing, the principles and theories which explain the structure, taxonomy, physiology, ecology, reproduction, genetics and development of animals. Ten class hours per week including laboratory. Three semester hours credit. *Mr. Laug.*

Sci. 313s. Descriptive Astronomy. An introductory course giving a logical development and a description of the astronomical units, groups, instruments, procedures and methods which are essential to a cultural presentation and understanding of this subject. The course will be accompanied by the use of many visual aids. Elective for Juniors and Seniors. Five hours per week. Two semester hours credit. *Mr. Brown.*

Sci. 401s. Genetics. Lectures, readings and individual studies on the patterns of inheritance in plants and animals, with special reference to humans. The distinctions and relationships between heredity and environment will be emphasized. Suggestions as to classroom application will be discussed. The importance of genetics in other fields, such as psychology and sociology will be indicated. Prerequisite: A year of biology or the equivalent. Ten class hours a week including laboratory. Three semester hours credit. *Mr. Swenson.*

Sci. 504s. Science Camp. Open to undergraduates. See course description under science graduate courses page 30.

SOCIAL STUDIES

S.S. 225s. Historical Influences on Modern Society. The influence and impact of significant forces in civilization upon present-day culture. Selection will be made from such topics as: medieval scholasticism, Renaissance individualism and humanism, the development of the scientific spirit, 18th century rationalism, origins and formation of revolutionary doctrine, the evolution of the democratic idea, imperialism, nationalism, the recent rise of oriental peoples, and the growth of international organizations. Five class hours per week. Two semester hours credit. *Mr. Vernon.*

S.S. 306s. American History Since 1865. The new economic, political and social era which followed the Civil War; recognition of the United States as a world power; its part in the two World Wars; and recent developments in international affairs. Open to third and fourth year students. Eight class hours per week. Three semester hours credit. *Mr. Dressler.*

S.S. 310s. The History of the Far East. Selected topics, against a chronological background, in the history of China and Japan from the fourteenth century to the present day, with emphasis on the period after 1800. Elective for sophomores, juniors, and seniors. Eight class hours per week. Three semester hours credit. *Mr. Vernon.*

S.S. 402s. Sociology. The rise and development of culture; cultural change; social organization and social institutions. Required of General Elementary seniors and Art Education seniors. Eight class hours per week. Three semester hours credit. *Mr. Hollister.*

S.S. 417s. Juvenile Delinquency. A study of current trends in juvenile delinquency, including the nature and extent of deviant behavior, resources of the clinician, causative factors, development and role of the children's court, and the various methods of treatment: probation, social work, detention, institutional segregation, and prevention. Five class hours per week. Two semester hours credit. *Mr. Hollister.*

S.S. 507s. Field Course in the History and Geography of New York State. Open to undergraduates. For description of the course see listing under Social Studies Graduate Courses, page 31.

S.S. 508s. Field Course in Mexican Culture. Open to undergraduates. For description of the course see listing under Social Studies Graduate Courses, page 32.

SUMMER SESSION PROGRAM

July 3 — August 11, 1950

NOTE.—Students should take careful note of the fact that subjects carrying three semester hours of credit must be taken two periods per day in order to secure regular credit. Certain other courses also require double periods. Courses bearing only two semester hours of credit are marked with an asterisk (*).

The number before each course refers to the number of the course as described in the Summer Session catalog; e.g. (Eng. 304s) refers to the course in American Literature.

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

All courses are listed by class periods. The number before each course indicates the year level. Graduate courses are numbered 500 and above; Senior courses are numbered 400-499; Junior, 300-399; Sophomore, 200-299; and Freshmen, 100-199.

ASSEMBLY

There will be two periods per week set aside for Assembly, Monday 10:10-11:00 and Thursday 10:10-11:00.

LUNCH PERIOD

Students must plan for a lunch period in making their elections. The Cafeteria will be open from 10:45-1:15.

GRADUATE COURSES

FIRST PERIOD — 8:10-9:00

Catalog No.	Name of Course	Instructor
†Art 509s	.....Graduate Studio in Crafts.....	Mr. Winebrenner
Ed. 506s	.....Philosophy of Education.....	Mr. Sloan
Ed. 514s	.....Diagnostic and Remedial Techniques in the Elementary School Subjects.....	Mr. Milanovich
**Eng. 502s	.....Studies in American Literature.....	Mr. Gronewold
Geo. 501s	.....Studies in Industrial Geography.....	Miss Lemaire
H.Ec. 509s	.....Seminar in Textiles.....	Miss Wybourn
I.A. 515s	.....Transportation Laboratory	Mr. Mandel
Sc. 500s	.....Science in the Elementary Curriculum.....	Mr. Urban
S.S. 504s	.....History of the American Frontier.....	Mr. Rapp

SECOND PERIOD — 9:10-10:00

Catalog No.	Name of Course	Instructor
†Art 509s	.....Graduate Studio in Crafts.....	Mr. Winebrenner
Ed. 500s	.....Workshop in Elementary Education.....	Mr. Bradley
Ed. 500As	.....Workshop in Elementary Education..... (I.T.T.P.)	Miss Lange
Ed. 502s	.....Supervision	Mr. Kumpf
Ed. 506s	.....Philosophy of Education.....	Mr. Sloan
Ed. 512s	.....Seminar in Child Development.....	Mrs.-Penn
Ed. 514s	.....Diagnostic and Remedial Techniques in the Elementary School Subjects.....	Mr. Milanovich

† Two class hours to be arranged.

** Offered if English 513s does not materialize.

‡ Scheduled from 1-3:30 daily.

† Scheduled at the Crippled Children's Guild.

Catalog No.	Name of Course	Instructor
Ed. 585s	.....Reading Clinic	Mrs. Dunklin, Mr. Dunklin
Ed.H. 501s	....Practicum in Education of Mentally Re- tarded Children	Mr. Fouracre
†Ed.H. 502s	....Practicum in Education of Orthopedically Handicapped Children	Miss D'Agostino
Ed.H. 503s	....Clinical Procedures in Speech Correction....	Mr. Flower
**Eng. 502	.....Studies in American Literature.....	Mr. Gronewold
Eng. 513s	.....Seminar—Tour in American Literature.....	Mr. Gronewold
Geo. 501s	.....Studies in Industrial Geography.....	Miss LeMaire
H.Ec. 509s	.....Seminar in Textiles.....	Miss Wybourn
I.A. 500s	.....Seminar in Industrial Arts Education.....	Mr. Neuthardt
I.A. 515s	.....Transportation Laboratory	Mr. Mandel
Sc. 500s	.....Science in the Elementary Curriculum.....	Mr. Urban
S.S. 504s	.....History of the American Frontier.....	Mr. Rapp

THIRD PERIOD — 10:10-11:00

Catalog No.	Name of Course	Instructor
Art 505s	.....Seminar in Art Education.....	Mr. Czurlis
Ed. 500s	.....Workshop in Elementary Education.....	Mr. Bradley
Ed. 500s	.....Workshop in Elementary Education..... (I.T.T.P.)	Miss Lange
Ed. 501As	.....Seminar in Elementary Education..... (I.T.T.P.)	Mr. Milanovich
Ed. 502s	.....Supervision	Mr. Kumpf
Ed. 512s	.....Seminar in Child Development.....	Mrs. Penn
Ed. 585s	.....Reading Clinic	Mrs. Dunklin Mr. Dunklin
Ed.H. 501s	....Practicum in Education of Mentally Re- tarded Children	Mr. Fouracre
†Er.H. 502s	....Practicum in Education of Orthopedically Handicapped Children	Miss D'Agostino
Ed.H. 503s	....Clinical Procedures in Speech Correction....	Mr. Flower
Eng. 506s	.....Studies in Modern Drama.....	Mr. Bradford
Eng. 513s	.....Seminar—Tour in American Literature....	Mr. Gronewold
H.Ec. 500s	.....Seminar in Home Economics Education.....	Miss Grant
I.A. 500s	.....Seminar in Industrial Arts Education.....	Mr. Neuthardt
I.A. 515s	.....Transportation Laboratory	Mr. Mandel
Sc. 503s	.....Ecology	Mr. Urban
S.S. 500s	.....Studies in Twentieth Century American History	Mr. Peterson

ASSEMBLY

LUNCH PERIOD

FOURTH PERIOD — 11:10-12:00

Catalog No.	Name of Course	Instructor
Art 505s	.....Seminar in Art Education.....	Mr. Czurlis
†Art 507	.....Graduate Studio in Drawing, Painting and Graphic Arts	Mr. Conant
Ed. 500s	.....Workshop in Elementary Education.....	Mr. Bradley
Ed. 500As	.....Workshop in Elementary Education..... (I.T.T.P.)	Miss Lange
Ed. 501As	.....Seminar in Elementary Education..... (I.T.T.P.)	Mr. Milanovich
Ed. 512s	.....Seminar in Child Development.....	Mrs. Penn

† Two class hours to be arranged.

** Offered if English 513s does not materialize.

† Scheduled from 1-3:30 daily.

† Scheduled at the Crippled Children's Guild.

Catalog No.	Name of Course	Instructor
Ed. 585s	.....Reading Clinic	Mrs. Dunklin, Mr. Dunklin
Ed.H. 501s	....Practicum in Education of Mentally Re- tarded Children	Mr. Fouracre
†Ed.H. 502s	....Practicum in Education of Orthopedically Handicapped Children	Miss D'Agostino
Ed.H. 503s	....Clinical Procedures in Speech Correction....	Mr. Flower
Eng. 506s	.....Studies in Modern Drama.....	Mr. Bradford
H.Ec. 500s	.....Seminar in Home Economics Education....	Miss Grant
Sc. 503s	.....Ecology	Mr. Urban
S.S. 500s	.....Studies in Twentieth Century American History	Mr. Peterson

FIFTH PERIOD — 12:10-1:00

Catalog No.	Name of Course	Instructor
†Art 507s	.....Graduate Studio in Drawing, Painting and Graphic Arts	Mr. Conant
†Art 508s	.....Graduate Studio in Design and Spatial Organization	Mr. Dakin
Ed. 500s	.....Workshop in Elementary Education.....	Mr. Bradley
Ed. 500As	.....Workshop in Elementary Education..... (I.T.T.P.)	Miss Lange
Ed. 501s	.....Seminar in Elementary Education.....	Mr. Crayton
Ed. 503s	.....Elementary School Principalship A.....	Mr. Kumpf
Ed. 512s	.....Seminar in Child Development.....	Mrs. Penn
Ed. 533s	.....Workshop in Visual Education.....	Mr. Smay
Ed. 585s	.....Reading Clinic	Mrs. Dunklin, Mr. Dunklin
Eng. 505s	.....Studies in the Novel.....	Mr. Gragg
Eng. 513s	.....Seminar—Tour in American Literature.....	Mr. Gronewold
H.Ec. 508s	.....Workshop in Advanced Clothing.....	Miss Wybourn
I.A. 513s	.....Workshop in Ceramics.....	Mr. Strong
I.A. 517s	.....Electronics	Mr. Cook
Sc. 501s	.....Field Studies in Science.....	Mr. Swenson
S.S. 505s	.....Studies in Contemporary Economic Problems	Mr. Albright

SIXTH PERIOD — 1:10-2:00

Catalog No.	Name of Course	Instructor
†Art 508s	.....Graduate Studio in Design and Spatial Organization	Mr. Dakin
Ed. 500s	.....Workshop in Elementary Education.....	Mr. Bradley
Ed. 500As	.....Workshop in Elementary Education..... (I.T.T.P.)	Miss Lange
Ed. 501s	.....Seminar in Elementary Education.....	Mr. Crayton
Ed. 503s	.....Elementary School Principalship A.....	Mr. Kumpf
Ed. 512s	.....Seminar in Child Development.....	Mrs. Penn
Ed. 533s	.....Workshop in Visual Education.....	Mr. Smay
Ed. 585s	.....Reading Clinic	Mrs. Dunklin, Mr. Dunklin
†Ed. H. 500	.....Symposium in Methods for the Education of Handicapped Children	Mr. Fouracre
Eng. 505s	.....Studies in the Novel.....	Mr. Gragg
Eng. 513s	.....Seminar—Tour in American Literature.....	Mr. Gronewold
H. Ec. 508s	.....Workshop in Advanced Clothing.....	Miss Wybourn
I. A. 513s	.....Workshop in Ceramics.....	Mr. Strong

† Two class hours to be arranged.

** Offered if English 513s does not materialize.

† Scheduled from 1-3:30 daily.

† Scheduled at the Crippled Children's Guild.

Catalog No.	Name of Course	Instructor
I. A. 517s	Electronics	Mr. Cook
Sc. 501s	Field Studies in Science	Mr. Swenson
SS 505s	Studies in Contemporary Economic Problems	Mr. Albright

SEVENTH PERIOD — 2:10-3:00

Catalog No.	Name of Course	Instructor
†Ed. H. 500s	Symposium in Methods for the Education of Handicapped Children	Mr. Fouracre
I. A. 513s	Workshop in Ceramics	Mr. Strong
I. A. 517s	Electronics	Mr. Cook
Ed. 520s July 5-14	Workshop in Elementary School Administration General Session 10:00-12:00 daily Seminars 1:30-3:30 daily Open to graduates and undergraduates On credit or non-credit basis Two semester hours credit if desired	Lecturers— Drs. Herrick, Miller, Rath, Young, Seminar Leaders to be announced later
Ed. 564s June 26- July 7	Advanced Driver Training 9:30-3:30 daily Open to graduates and undergraduates who have had the Introductory Course in Driver Training Two semester hours credit	Mr. Carlton and others
Eng. 513s July 31- August 11	Seminar-Tour in American Literature Open to graduates and undergraduates Two to six semester hours credit	Mr. Gronewold
S.S. 508s August 12-25	Field Course in Mexican Culture Two day session on campus Flight to Mexico City Ten days in Mexico—return by air Open to graduates and undergraduates Two semester hours credit	Mr. Peterson
S.S. 507s August 14-26	Field Course in the History and Geography of New York State 1800 miles by bus Open to graduates and undergraduates Two semester hours credit	Mr. Rapp Mrs. Whittemore
Sc. 504s August 14-25	Science Camp—Allegany State Park Open to graduates and undergraduate Two semester hours credit	Mr. Urban, Director Mr. Axtell, Mrs. Skinner, Instructors.

UNDERGRADUATE COURSES

FIRST PERIOD — 8:10-9:00

Catalog No.	Name of Course	Instructor
Art 406s	Creative Art Workshop	Mr. Flemming
Art 408s	Painting	Mr. Dakin
Ed. 102s	Child Development	Mr. Hertzberg
Ed. 433s	Visual Aids in Education	Miss Heacock
Ed. 309s	Diagnostic and Remedial Techniques in the Elementary School (Open to Early Childhood Education Students)	Mr. Milanovich

- * Two semester hours credit.
 ** Alternative to be offered for Eng. 513s.
 † Scheduled at the Crippled Children's Guild.
 ‡ Scheduled from 1-3:30 daily.

Catalog No.	Name of Course	Instructor
Eng. 204s	English Literature	Mr. Gragg
Geo. 402s	Economic Geography	Mr. Corfield
Math. 101s	Introduction to Mathematics	Mr. Ebert
*Sc. 313s	Descriptive Astronomy	Mr. Brown
S.S. 306s	American History Since 1865	Mr. Dressler

SECOND PERIOD — 9:10-10:00

Catalog No.	Name of Course	Instructor
Art 406s	Creative Art Workshop	Mr. Flemming
Art 408s	Painting	Mr. Dakin
Ed. 102s	Child Development	Mr. Hertzberg
Ed. 433s	Visual Aids in Education	Miss Heacock
Ed. 309s	Diagnostic and Remedial Techniques in the Elementary School Subjects (Open to Early Childhood Education Students)	Mr. Milanovich Mrs. Dunklin, Mr. Dunklin
Ed. 585s	Reading Clinic	Mr. Fouracre
Ed. H. 501s	Practicum in Education of Mentally Retarded Children	Miss D'Agostino
†Ed. H. 502s	Practicum in Education of Orthopedically Handicapped Children	Mr. Flower
Ed. H. 503s	Clinical Procedures in Speech Correction	Mr. Gragg
Eng. 204s	English Literature	Mr. Gronewold
*Eng. 502s	Studies in American Literature	Mr. Gronewold
Eng. 513s	Seminar-Tour in American Literature	Mr. Corfield
Geo. 402s	Economic Geography	Mr. Ebert
Math. 101s	Introduction to Mathematics	Mr. Swenson
Sc. 401s	Genetics	Mr. Vernon
*S.S. 225s	Historical Influences of Modern Society	Mr. Dressler
S.S. 306s	American History Since 1865	Mr. Dressler

THIRD PERIOD — 10:10-11:00

Catalog No.	Name of Course	Instructor
Art 406s	Creative Art Workshop	Mr. Flemming
Ed. 585s	Reading Clinic	Mrs. Dunklin, Mr. Dunklin
Ed. H. 501s	Practicum in Education of Mentally Retarded Children	Mr. Fouracre
†Ed. H. 502s	Practicum in Education of Orthopedically Handicapped Children	Miss D'Agostino
Ed. H. 503s	Clinical Procedures in Speech Correction	Mr. Flower
Eng. 210s	Literature for Children	Mrs. Ganey
Eng. 341s	Speech Education for Elementary Teachers	Miss Goossen
*Eng. 431s	Milton	Mr. Gronewold
Eng. 513s	Seminar-Tour American Literature	Mr. Gronewold
Sc. 101s	Physical Science I	Mr. Thielking
Sc. 401s	Genetics	Mr. Swenson

ASSEMBLY

LUNCH PERIOD

FOURTH PERIOD — 11:10-12:00

Catalog No.	Name of Course	Instructor
Art 400s	Workshop in Crafts	Mr. Winnebrenner
Ed. 306s	Seminar in Kindergarten Education	

- * Two semester hours credit.
 ** Alternative to be offered for Eng. 513s.
 † Scheduled at the Crippled Children's Guild.
 ‡ Scheduled from 1-3:30 daily.

Catalog No.	Name of Course	Instructor
*Ed. 463s	Driver and Safety Education.....	Mr. Palmeter
Ed. 585s	Reading Clinic	Mrs. Dunklin, Mr. Dunklin
Ed. H. 501s	Practicum in Education of Mentally Re- tarded Children	Mr. Fouracre
†Ed. H. 502s	Practicum in Education of Orthopedically Handicapped Children	Miss D'Agostino
Ed. H. 503s	Clinical Procedures in Speech Correction...	Mr. Flower
Eng. 210s	Literature for Children.....	Mrs. Ganey
Eng. 341s	Speech Education for Elementary Teachers	Miss Goossen
*Eng. 431s	Milton	Mr. Gronewold
H. Ed. 402s	Health Protection	Mr. Coyer
Mus. 404	The Art of Enjoying Music.....	Mr. Wincenc
Sc. 101s	Physical Science I.....	Mr. Thielking
S.S. 310s	History of the Far East.....	Mr. Vernon
S.S. 417s	Juvenile Delinquency	Mr. Hollister

FIFTH PERIOD — 12:10-1:00

Catalog No.	Name of Course	Instructor
Art 313s	Art in Everyday Life.....	Mr. Flemming
Art 400s	Workshop in Crafts.....	Mr. Winebrenner
Ed. 306s	Seminar in Kindergarten Education.....	Mr. Sloan
Ed. 402s	Seminar in Elementary School Teaching....	Mrs. Dunklin, Mr. Dunklin
Ed. 585s	Reading Clinic	Mr. Sloan
Eng. 304s	American Literature	Mrs. Dunklin, Mr. Dunklin
*Eng. 418s	Choral Speaking	Mr. Bradford
Eng. 513s	Seminar-Tour in American Literature.....	Miss Goossen
H. Ed. 402s	Health Protection	Mr. Gronewold
Geo. 407s	Conservation of Natural Resources.....	Mr. Coyer
Math. 202s	Plane Trigonometry	Miss Lemaire
Mus. 404s	The Art of Enjoying Music.....	Mr. Ebert
Sc. 202s	Biology	Mr. Wincenc
S.S. 310s	History of the Far East.....	Mr. Laug
S.S. 402	Sociology	Mr. Vernon
		Mr. Hollister

SIXTH PERIOD — 1:10-2:00

Catalog No.	Name of Course	Instructor
Art 400s	Workshop in Crafts.....	Mr. Winebrenner
Ed. 402s	Seminar in Elementary School Teaching....	Mr. Sloan
Ed. 585s	Reading Clinic	Mrs. Dunklin, Mr. Dunklin
‡Ed. H. 500s	Symposium in Methods for the Education of Handicapped Children.....	Mr. Fouracre
Eng. 304s	American Literature	Mr. Bradford
Eng. 513s	Seminar-Tour in American Literature.....	Mr. Gronewold
Geo. 407s	Conservation of Natural Resources.....	Miss Lemaire
Math. 202s	Plane Trigonometry	Mr. Ebert
*Mus. 305s	Music for Children.....	Mr. Webster
Sc. 202s	Biology	Mr. Laug
S.S. 402s	Sociology	Mr. Hollister

SEVENTH PERIOD — 2:10-3:30

Catalog No.	Name of Course	Instructor
‡Ed. H. 500s	Symposium in Methods for the Education of Handicapped Children	Mr. Fouracre

* Two semester hours credit.

** Alternative to be offered for Eng. 513s.

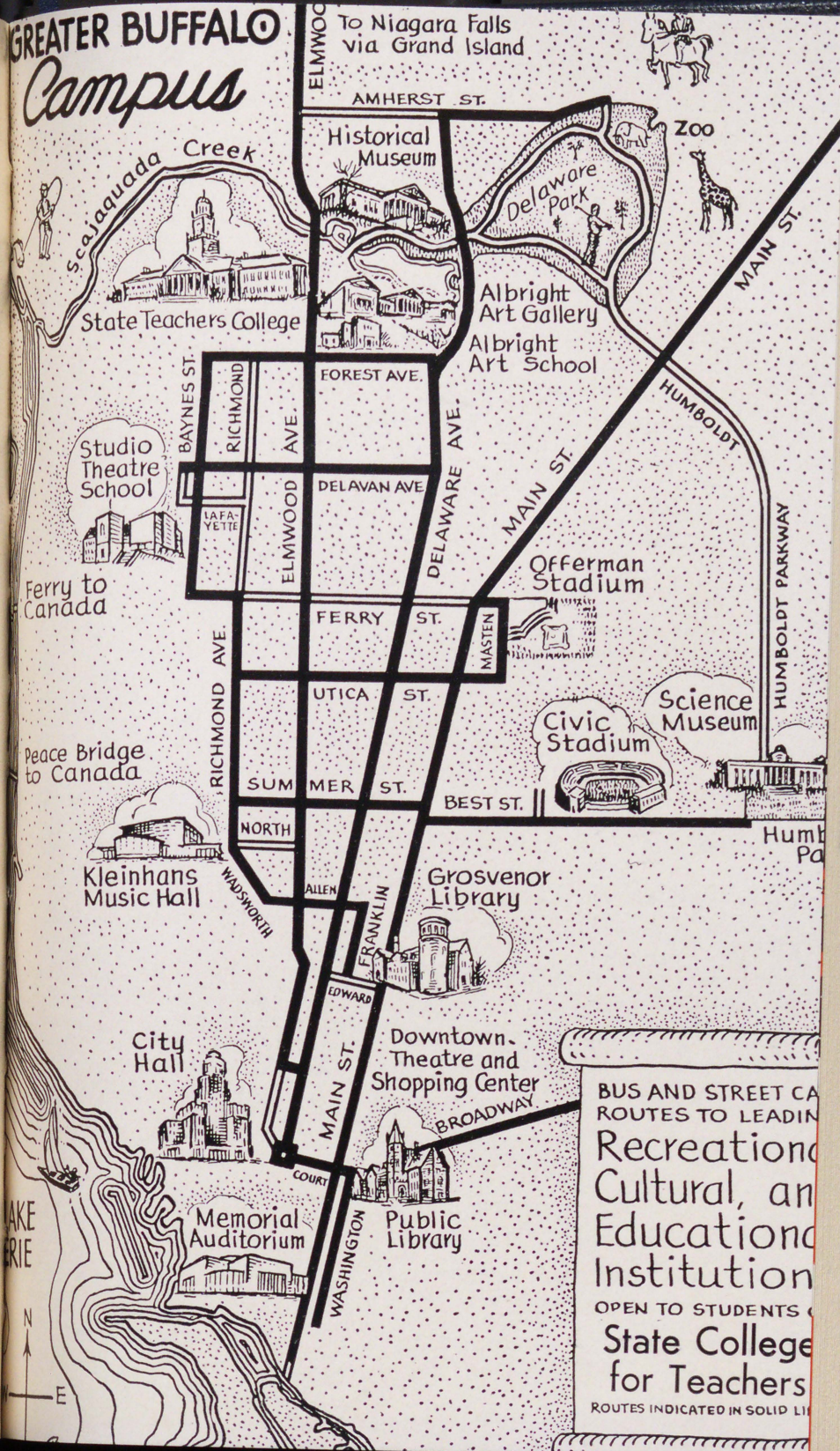
† Scheduled at the Crippled Children's Guild.

‡ Scheduled from 1-3:30 daily.

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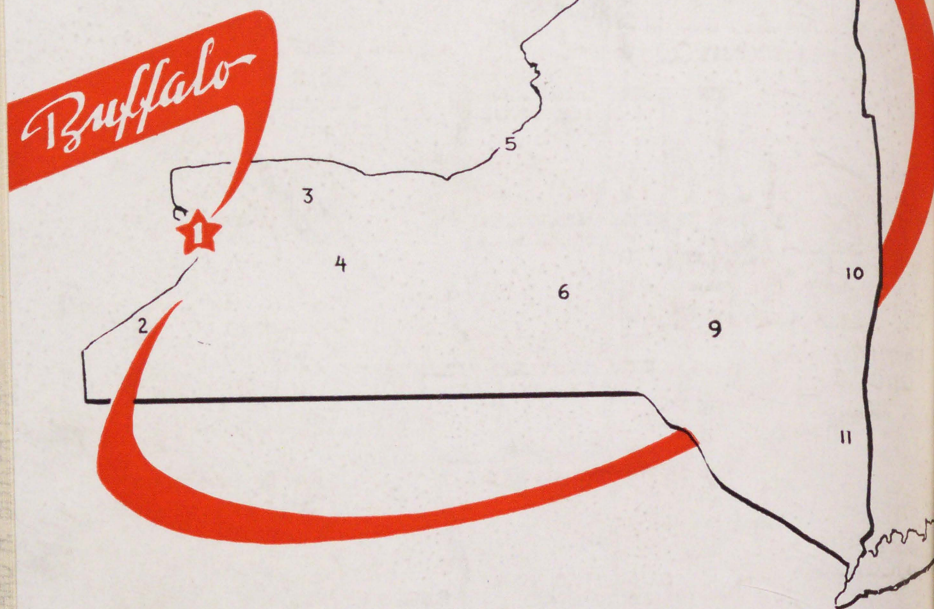


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