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Buffalo State College

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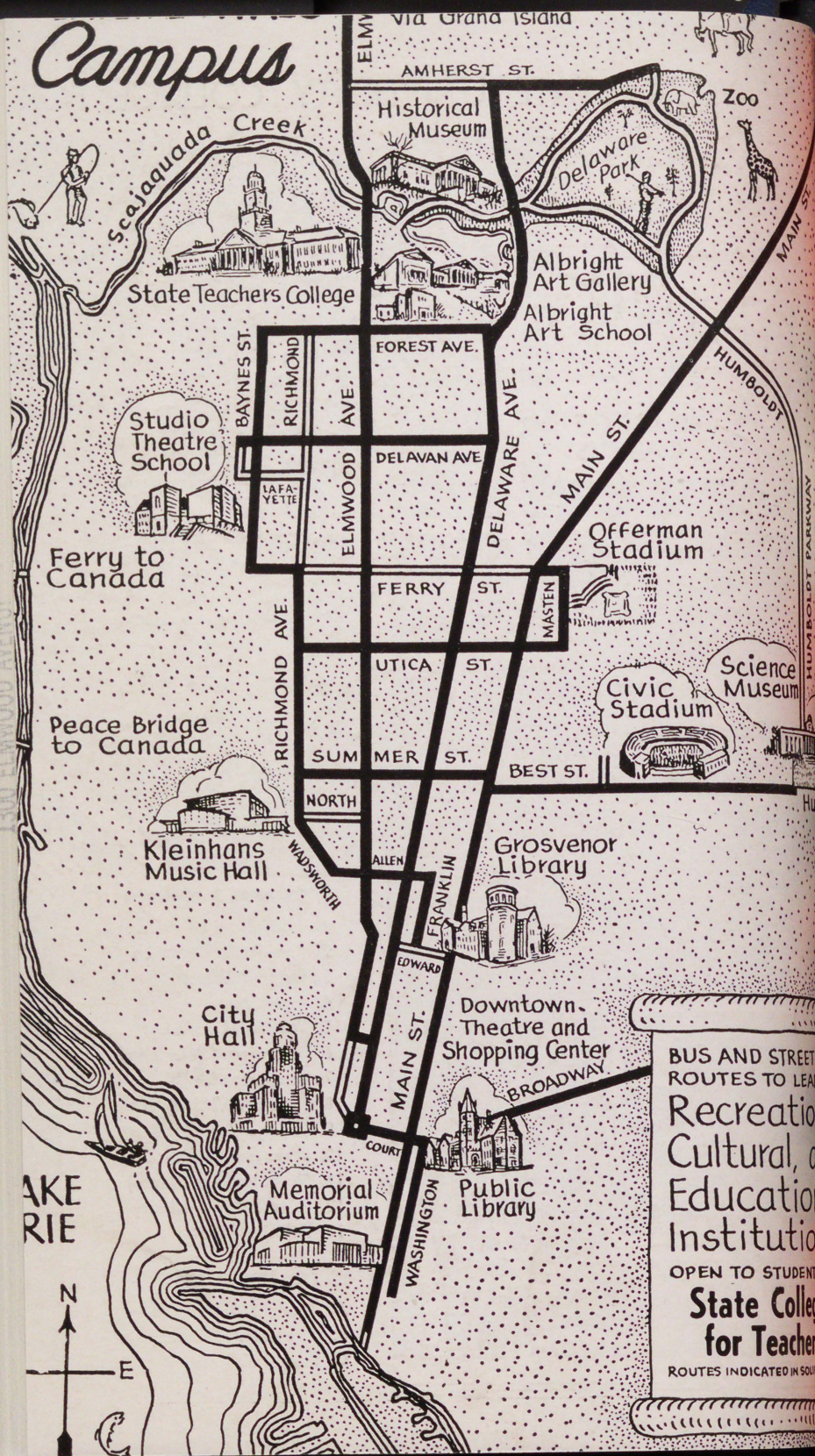
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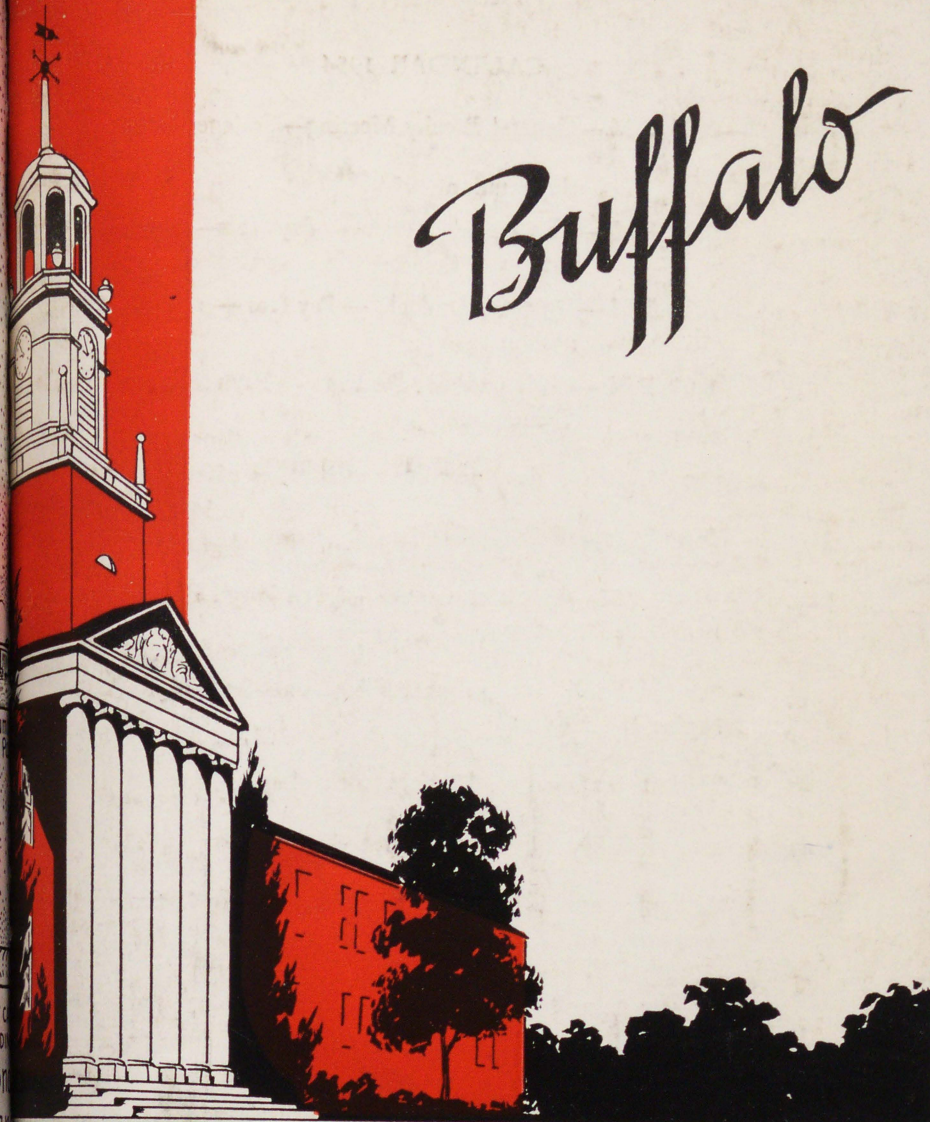
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Campus



1954

Buffalo



STATE UNIVERSITY OF NEW YORK

STATE COLLEGE FOR
TEACHERS BULLETIN

BUS AND STREET
ROUTES TO LEAD
Recreation
Cultural, and
Education
Institution
OPEN TO STUDENTS
State College
for Teachers
ROUTES INDICATED IN SOLID

CALENDAR 1954

June 27—8:00 P.M.—General Faculty Meeting—College Union

June 28 Registration

8:00 A.M.—Accelerated Students—Pay fees—register—Gymnasium

9:30 A.M.—Graduate Students — Pay fees — register — Gymnasium

1:00 P.M.—Undergraduate Students — Pay fees — register — Gymnasium

Penalty (\$1.00 per day) for late registration after June 28

June 30—Fifth European Studytour embarks

July 1—10:00 A.M.—First Convocation—Dean Virgil Rogers, Syracuse University

July 5—Foreign Study, International Education—Geneva, Switzerland, begins

July 11—Institute for Square and Social Dancing begins

July 15—Annual Summer Session Picnic

July 22, 23, Conference: Changing Role of Education in Communications

August 6—Art Camp begins

Science Camp begins

Field Course in the History and Geography of New York State begins

August 20—Eight Weeks Session ends

State University of New York

NEW YORK STATE
COLLEGE FOR TEACHERS

BULLETIN

BUFFALO, NEW YORK

1954 SUMMER SESSION

Announcements

GRADUATE and UNDERGRADUATE
DIVISIONS

NEW YORK STATE COLLEGE FOR TEACHERS
BULLETIN

Volume XXII Number 3

One of Four Publications Issued Quarterly; March, April, August, and
October by New York State College for Teachers,
Buffalo 22, New York

Entered as Second Class Mail Matter, November 3, 1932, at the Post Office
of Buffalo, N. Y. under the Act of August 24, 1912. Acceptance for mailing
at special rate authorized December 13, 1932.

SIGNIFICANT DATES IN THE HISTORY OF THE COLLEGE

- 1867 Legislature created the Normal School at Buffalo
- 1871 Henry B. Buckham appointed first Principal, school opened with three departments, Normal, Collegiate, Scientific
- 1873 First graduating class—23 graduates
- 1886 James M. Cassety appointed second Principal
- 1895 Three-year "Primary and Kindergarten Course" initiated
- 1906 Manual Arts department established
- 1909 Daniel Upton appointed third Principal
- 1910 Household Arts Department established
- 1915 Edward H. Butler, Jr., succeeds Edward H. Butler as President of Local Board
- 1919 Harry W. Rockwell appointed fourth Principal
- 1919 Home Economics Program became four-year course leading to Bachelor of Science in Home Economics
- 1921 Industrial Arts and Vocational Education Division established by Board of Regents
- 1925 Normal course became four-year program leading to Bachelor of Science in Education
- 1928 Name changed to New York State College for Teachers, Principal changed to President; accredited by American Association of Teachers Colleges
- 1930 Art Education Department established
- 1931 Moved to present campus
- 1939 Accredited by American Association of University Women
- 1944 Education of Teachers for Exceptional Children Division established
- 1945 Granting of Master of Science degree authorized
- 1948 State University of New York established; College accredited by Middle States Association of Colleges and Secondary Schools
- 1951 President Harry W. Rockwell retired; Dean Ralph Horn became Acting President; Harvey M. Rice appointed President

The College is a member of the following organizations:

- American Association of Colleges for Teacher Education
- American Association of Collegiate Registrars
- American Association of University Women
- American Council on Education
- Association of College Unions
- Middle States Association of College and Secondary Schools
- National Association of Secondary School Principals
- Western New York School Study Council

TABLE OF CONTENTS

	PAGE
Calendar	Inside Front Cover
Officers of Summer Session	4
Instructional Staff	
Guest Faculty	5
Regular Staff Members	6
Highlights of the 1954 Summer Session	10
Location of the College	12
Admission	12
Fees	12
Residence Halls for Men and Women	13
Credit	13
Schedule	14
Tours, Workshops, Camps and other Features	15
Field Course in the History and Geography of New York State	15
Studytour of Western Europe	15
International Education	15
Art Camp	16
Science Camp	17
Human Relations Workshop	17
Graduate Workshop in Elementary Education	18
Institute in Square and Folk Dancing	18
Workshop in the Teaching of French in the Elementary Grades	18
Preparation of Laboratory School Teachers	19
Junior High School Certification	19
Industrial Arts	19
Education for Exceptional Children	19
Intensive Teacher Training Program	20
Accelerated Program	20
Reading Clinic	20
Demonstration School	21
Art Resource Room	21
Visual Education	22
Extra-Class Activities	22
Conference on Communications	23
Curricula	24
Library Services	25
Important Notices	26
Graduate Division	27
Admission Requirements	27
The Graduate Curriculum	31
Intensive Teacher Training Program	33
Description of Graduate Courses	34
Description of Undergraduate Courses	41
Summer Session Schedule	46

OFFICERS OF SUMMER SESSION

HARVEY M. RICE	President
RALPH HORN	Dean and Director of Summer Session
STANLEY A. CZURLES	Director of Art Education
HORACE MANN	Director of Education for Exceptional Children
ALLAN P. BRADLEY	Director of Elementary Education
ROBERT E. ALBRIGHT	Director of Graduate Study and Extension Education
MARGARET A. GRANT	Director of Home Economics
KENNETH W. BROWN	Director of Industrial Arts
GORDON J. KLOPF	Dean of Students
CATHERINE E. REED	Associate Dean of Students
ROBERT T. REDDEN	Associate Dean of Students
KATHRYN HARRIES	Assistant Dean of Students in Charge of Residence Halls
MARGARET KNUEPPEL	Assistant Dean of Students in Charge of College Union
ROBERT MACVITTIE	Principal of the Demonstration School
GEORGE R. SHERRIE	Co-ordinator of Field Services
D. PAUL SMAY	Co-ordinator of Audio-Visual Education
JOSEPH WINCENC	Co-ordinator of Social and Off-Campus Activities
FRANCES G. HEPINSTALL	College Librarian
M. FRANCES BREEN	Assistant College Librarian
HELEN THIELKING	Assistant College Librarian
EUGENIA TRUESDELL	Assistant College Librarian
MARY MAY	Acting Registrar
ROBERT W. GOEHLE	College Business Manager
LORRAINE RAPS	Nurse-Instructor
GEORGE C. BRADY	College Physician
JOSEPH P. CANNAMELLA	Food Manager of the College Union
CHARLOT M. FETTERMAN	Manager of the Bookstore
MARIETTA R. FERRO	Assistant Manager of the Bookstore
HARRY W. CURTIN	Custodian of Buildings and Grounds
SYLVIA M. CHAPLIN	Summer Session Secretary

INSTRUCTIONAL STAFF

Guest Faculty

Stephen Abrahamson	Consultant in Human Relations Workshop Assistant Professor of Education University of Buffalo, Buffalo, N. Y.
Harold Axtell	Science Camp Instructor Curator, Museum of Science, Buffalo, N. Y.
Beatrice Beckman	English Teacher, School 41, Buffalo, N. Y.
John Belniak	Social Studies Assistant Professor, Political Science and Citizenship Harpur College, Endicott, N. Y.
Gabriel Betz	Geography Assistant Professor, Dept. of Geology and Geography University of Buffalo, Buffalo, N. Y.
Edith Breckon	Graduate Workshop (ITTP) Teacher, Lewiston-Porter Central School
James Crandall	Social Studies Assistant Professor of Social Studies Brockport State Teachers College
Marjorie Duly	Graduate Workshop (ITTP) Assistant Principal, School 52, Buffalo, N. Y.
Laura D. Dunklin	Reading Clinic Teacher of Reading, The Seminary, Buffalo, N. Y.
Mary Ecker	Elementary Education Elementary Grade Teacher, Great Neck, L. I., N. Y.
Dorothy A. Farmer	Fifth Grade Teacher, Montibello Public School, Baltimore, Maryland
Charles Gambert	Elementary Education Psychologist, Board of Education, Niagara Falls, N. Y.
Muriel Garten	Graduate Workshop Reading Consultant, Stephenson School, New Rochelle, N. Y.
Daniel Healy	Fourth Grade Elementary Grade Teacher, Great Neck, L. I., N. Y.
Jeanne Heckler	Workshop in the Teaching of French in the Elementary Grades Supervising Teacher, Robert J. Vance School, New Britain, Conn.
Mary L. Kellar	Second Grade Lanning Demonstration School, Trenton State Teachers College, Trenton, New Jersey
Lucille Murley	First Grade Teacher, Westview School, Richmond, Indiana
Louis Rath	Consultant in Human Relations Workshop Professor of Education, New York University, New York, N. Y.
Virgil Rogers	Consultant in Human Relations Workshop Dean of the School of Education, Syracuse University, N. Y.
Eva Shockley	Graduate Workshop (I.T.T.P.) Supervisor, Royalton-Hartland School, Middleport, New York

Eleanor Schrader Skinner.....Science Camp Instructor
Former Instructor, Science, State College for Teachers, Buffalo, N. Y.

Barbara SpencerAssistant, Art Camp
Art Teacher, Lindbergh School, Kenmore, N. Y.

Mabel StonerHome Economics
Assistant Professor of Home Economics, Carnegie Institute of Technology,
Pittsburgh, Penna.

Laura TubbsIntermediate Instructor
Reading Supervisor, Tarrytown, New York

William WilliamsSeventh Grade
Teacher, University School, Ohio State University, Columbus, Ohio

Staff Members of the State University of New York College for Teachers, Buffalo

Robert E. AlbrightSocial Studies
Director, Division of Graduate and Extension Education

William J. BarnettElementary Education
Assistant Professor of Education

R. P. Denis BaronElementary Education
Director of Child Study Center

Silas L. BoydMusic
Professor and Chairman of the Department of Music

Allan P. BradleyDirector, Graduate Workshop
Director, Division of Elementary Education

M. Frances BreenLibrary
Assistant College Librarian

Donald G. BrossmanIndustrial Arts
Associate Professor of Industrial Arts

Kenneth W. BrownIndustrial Arts
Director, Division of Industrial Arts

Anna P. BurrellDirector, Workshop in Human Relations
Professor of Education

Louis J. CallanIndustrial Arts
Professor of Industrial Arts

Rudolph J. CherkauerMathematics
Assistant Professor of Mathematics

Howard S. ConantArt
Professor of Art

Sherman G. CraytonEducation
Professor of Education

Stanley A. CzurlesArt
Director, Division of Art Education

Eugene L. G. DakinArt
Associate Professor of Art

Fraser B. DrewEnglish
Professor of English

Sylvia C. DudleyEducation
Assistant Professor of Elementary Education, Nursery, Campus School

Catherine A. EnglishMusic
Associate Professor of Music, Campus School

Martin B. FriedEnglish
Professor of English

Monica GensbittelLibrary
Library Assistant

Eleanor M. GoverDirector, Graduate Workshop (I.T.T.P.)
Associate Professor of Elementary Education, First Grade, Campus School

Wilson B. GraggEnglish
Professor of English

Margaret A. GrantHome Economics
Director, Division of Home Economics

Walter B. GreenwoodEnglish
Professor of English

Benjamin F. GronewoldEnglish
Professor of English

Owen HarlanIndustrial Arts
Associate Professor of Industrial Arts

Carl E. HeinSocial Studies
Assistant Professor of History

Frances G. HepinstallLibrary
College Librarian

Oscar E. HertzbergEducation
Professor and Chairman of the Department of Education

Harlan E. HoffaArt
Assistant Professor of Art

Frederick J. HollisterSocial Studies
Professor of Sociology and History

Julius J. HublerArt
Professor of Art

Otto A. JiskraArt
Assistant Professor of Art

Carol KahlerEducation
Associate Professor of Education

Eleanor G. KellyThird Grade
Assistant Professor of Elementary Education, Second Grade, Campus School

Lenore KempLibrary
Junior Librarian

Dorismae KentLibrary
Junior Librarian

Margaret KnueppelGuidance
Assistant Dean of Students in Charge of College Union

Richard H. LampkinScience
Professor of Science

Lorraine Lange Education
 Professor of Education

George M. Laug Science
 Assistant Professor of Science

Esther Lipton Education for Exceptional Children
 Assistant Professor of Education for Exceptional Children

Robert W. MacVittie Director, Demonstration School
 Principal, Campus School, Professor of Education

Horace Mann Education for Exceptional Children
 Director, Division of Education for Exceptional Children

Anna Martorana Education
 Associate Professor of Education

Charles A. Messner Workshop in the Teaching of French in the
 Elementary Grades
 Professor and Chairman of the Department of Languages

Howard J. Meyer Education
 Assistant Professor of Industrial Arts

Anthony Milanovich Education
 Associate Professor of Education

Emerson E. Neuthardt International Education
 Professor of Industrial Arts

Mae O'Brien Education
 Professor of Education

Harold F. Peterson History
 Professor and Chairman of the Department of History

Grace K. Pratt Kindergarten
 Assistant Professor of Elementary Education, Kindergarten Campus School

Lorraine Raps Nurse-Instructor
 Nurse-Instructor

Marvin A. Rapp History
 Professor of History

Robert T. Redden Geography
 Associate Professor of Geography

Gertrude Roach Health Education
 Associate Professor of Health Education

Houston Robison History
 Associate Professor of History

Conrad J. Schuck English
 Associate Professor of English

Howard G. Sengbusch Science
 Associate Professor of Science

Allen Sexton History
 Assistant Professor of History

D. Paul Smay Audio-Visual Education
 Professor of Art, Co-ordinator of Audio-Visual Education

Harry J. Steel Education
 Director of Education, Professor of Education

Benjamin Steinzor Industrial Arts
 Assistant Professor of Industrial Arts

Sarah Sterrett Sixth Grade
 Assistant Professor of Elementary Education, Third Grade, Campus School

Ruth Sugarman Education
 Professor of Elementary Education, Grade, Campus School

William H. Tallmadge Music
 Assistant Professor of Music

Helen Rimkus Thielking Education
 Assistant College Librarian, Campus School

Donald W. Trueblood English
 Assistant Professor of English

Eugenia Truesdell Library
 Assistant College Librarian

F. Norman Truesdale Photography and Audio-Visual Education
 Associate Professor of Art and Audio-Visual Education

John Urban Science
 Professor and Chairman of the Department of Science

Malvin Vitriol Library
 Library Assistant

Burton Waagen Industrial Arts
 Assistant Professor in Elementary Industrial Arts

Frank W. Webster Music
 Associate Professor of Music

Artnoll L. Wegner Health Education
 Professor and Chairman of Department of Health Education

Joseph Wincenc Co-ordinator of Social and Off-Campus Activities
 Professor of Music

HIGHLIGHTS of the 1954 SUMMER SESSION

- 60 Graduate Courses! Art, Elementary Education, Education for Exceptional Children, Home Economics, Industrial Arts—all leading to the Master of Science degree.
- 44 Undergraduate Courses for teachers, college students, and college graduates needing certification.
- Junior High School Certification. Graduate courses approved toward temporary certification for teaching academic subjects in the seventh, eighth, and ninth grades of the junior high school.
- Bus Tour of New York State, studying points of geographical and historical significance.
- Workshop in the Teaching of French in the Elementary Grades—special laboratory classes in the Demonstration school.
- Intensive Teacher Training Program for college graduates desiring to qualify for teaching in the elementary grades and earning the degree of Master of Science.
- European Studytour visiting England, Belgium, Holland, France, Germany, Austria, Switzerland and Italy.
- Reading Clinic offered for tenth successive summer. A laboratory course in the diagnosis and improvement of reading skills.
- Early Childhood Education courses in art, education, literature, music, and science leading to special certification.
- Education for Exceptional Children. Courses for teachers of the mentally retarded and the othopedically handicapped.
- International Education—second summer school at the International School, Geneva, Switzerland, studying with leaders from all parts of the world.
- Workshop in Human Relations—a two or six-weeks experience in living and working together, developing the values and techniques of group effort and group intelligence for strengthening democratic living.
- Driver Education leading to a special certification.
- Demonstration School—eleven elementary grades, kindergarten through seven; special groups for foreign language study.
- Art Camp in painting and sculpture at the new lodge of the College Camp in Cattaraugus County. A two-weeks post-session.
- Accelerated Program of eight weeks for Elementary Education students. Entering freshmen admitted.

Conferences—Education's Role in Communications.
Children's Literature

Science Camp—two-week post-session in Allegany State Park.

Special Industrial Arts Program, graduate and undergraduate.

Institute for American Square and Folk Dancing conducted by a staff of five from The American Squares School. Instruction and practice in calling and directing dances.

Convocations, field trips, sports, recreation for all students.

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 Lake Erie is usually cooler and more comfortable than that of any other eastern city. The city is easily accessible by water, rail, or automobile; the college can be reached easily by bus or taxicab. Across the street from the college the Albright Art Gallery and the Buffalo Historical Museum, imposing works of architecture, offer interesting exhibits and programs to the summer visitor. Beyond them is Delaware Park, a large municipal recreation center with a lake, golf course, bridle path, tennis courts and baseball diamonds. Nearby are the Albright Art School and the Buffalo Museum of Science, whose programs are available to students. One of the finest concert halls in the world, the Kleinhans Music Hall, and a nationally famous symphony orchestra provide for those who enjoy fine music. Several summer theatres operated by professional and semi-professional groups produce plays throughout the summer.

ADMISSION

The Undergraduate Summer Session is open to anyone qualified for teaching and to students who are attending this college or any other college. High school graduates who have not matriculated in any college are eligible only for the Accelerated Program described on page 20.

No formal application for admission to the Summer Session is required of students who have matriculated in a college. Registration constitutes admission. Students of this college in regular session, who have not graduated must get written permission from the Directors of their Divisions before they will be permitted to register. Students from other colleges are advised to have their proposed programs approved by their respective schools before registering, to avoid any difficulty in transferring credit.

Students wishing to apply for admission to the Graduate Division should read special requirements listed under that heading in this bulletin. Write to Dr. Robert E. Albright, Director of the Graduate Division for application blanks or further information.

Refunds will be made in full to students who withdraw during the first five scheduled days of the session. No refunds will be made after that period unless withdrawal is for entering military service.

All charges are subject to change without notice.

FEES

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 the 1954 Summer Session is as follows:

Tuition

Undergraduate residents	\$10.00	per Semester Hour Credit
Undergraduates, out of state.....	\$12.50	per Semester Hour Credit
Graduate, all students	\$12.50	per Semester Hour Credit
College fee	\$ 1.00	per credit hour, maximum \$6.00
Student Activity Tax	\$ 1.00	per student
Late Registration charge.....	\$ 1.00	per day to a maximum of \$3.00

Veterans expecting to file for summer session benefits should complete all arrangements before registration in Room 107, Administration Building.

Students enrolled in the eight-week Accelerated Program or in Elementary Education pay no tuition charges but must pay the College Fee and the Student Activity Tax. All students enrolled in special programs (on campus or off-campus) pay a College Fee of \$1.00 per credit hour. All students taking on-campus courses regardless of their duration pay the Student Activity Tax of 1.00. Off-campus field courses, tours and camps pay additional charges as indicated in their separate descriptions.

RESIDENCE HALLS

The Summer Session provides rooms and food services for men and women students who desire them in the Residence Halls of the College. Most rooms have accommodations for two persons at \$5.50 per week; a few single rooms are available at \$6.00 per week. Rooms are equipped with beds, desks, chairs, closets, and dressers. Students are expected to provide sheets, pillows and cases, blankets, and desk lamps.

Residence Halls are connected with the Student Union which is equipped with a lounge, music room, snack bar, dining room, game room, an Inter-Faith Chapel, and outdoor recreational area. The Union provides a rich recreational program for all Summer Session students, especially for those living in the Residence Halls.

Meals are served in the College Union Dining Room for \$10.00 per week (breakfast and dinner). Luncheons are available in either of the college cafeterias. Snacks and desserts are available throughout the day and evening at the Snack Bar.

Reservations for rooms for men or women students are made through the Office of the Dean of Students. Requests for off-campus housing should be addressed to the same office.

CREDIT

Credit for undergraduate work completed in the Summer Session will be effected by the following regulations:

1. Work completed in Summer Session will be equal to the content of the same courses offered during the Regular Session and carry the same credit.
2. The standard class load for Summer Session is six credit hours; students are advised against attempting more than this. The maximum of eight semester hours requires special approval.
3. Courses carrying two semester hours of credit in the regular curriculum are conducted one hour daily (five hours per week) in the Summer Session; those carrying three semester hours of credit will meet eight hours per week. Courses requiring laboratory, shop, or studio work have meetings in addition to this schedule. No partial credits are granted.
4. Graduation from the college will be withheld from a student who has not completed all required work for the Bachelor of Science

degree. No one will be granted a degree who has not completed in residence a minimum of four summer sessions of six semester hours each or one full semester's study. The final semester's work or final two summers' work before graduation must be in residence. Residence work includes all classes taken on the College Campus.

5. Advanced undergraduate credit equivalent to one college year is extended to graduates of a high school curriculum (approved by the Commissioner of Education) who have completed one year in a Training Class and who have subsequently taught one year in the schools of New York State.
6. Students intending to matriculate for the Bachelor of Science degree at the College and expecting to transfer credits from another institution should have official transcripts mailed to the Registrar of the College well in advance of the opening of Summer Session. This will permit thorough advisement concerning the students' programs.
7. Three-year Normal Course graduates planning work toward the Bachelor of Science degree should have their records evaluated by the Director of Summer Session. Requirements for this program have changed frequently in past years so that evaluations must be made in agreement with prevailing degree requirements. Hence, there can be no pattern of courses which could be indicated in advance. It is essential to get program recommendations from the Director before proceeding with the fourth year of study. *The College cannot recommend students for the degree who fail to do this and subsequently discover they have not met all course requirements.*
8. Graduate credit: see graduate section which follows.

SCHEDULE

First Class Period.....	8:00- 8:50
Second Period	9:00- 9:50
Third Period Tuesday, Wednesday, and Friday.....	10:00-10:50
Convocation Period (Thursday)	10:00-10:50
Fourth Class Period	11:00-11:50
Fifth Class Period	12:00-12:50
Sixth Class Period	1:00- 1:50
Seventh Class Period	2:00- 2:50

NOTE—Students must plan for a lunch period in making their programs. Both Cafeterias will be open from 10:30-1:30. The Snack Bars will be open continuously throughout the day.

TOURS, WORKSHOPS, CAMPS AND OTHER SPECIAL FEATURES

The College Summer Session offers rich and varied educational experiences in addition to regular classroom activities. Some of these are:

Field Course in the History and Geography of New York State: For the fourth year a Field Course in New York State History and Geography will be offered following the regular Summer Session from August 8 to 22. This study-travel course, directed by Dr. Marvin A. Rapp, History Professor and Robert Redden, Assistant Professor of Geography carries three hours credit (graduate or undergraduate).

After one day of orientation on the College Campus (Sunday, August 8) the group will leave for a 1600-mile trip through beautiful and historic parts of New York State including Letchworth Park, West Point, the Catskills, Lake George, Lake Champlain, Fort Ticonderoga, Cooperstown, Saratoga Springs, Hyde Park and others.

Travel will be by luxurious motor coach. Rooms will be reserved in first class hotels and college dormitories. The cost of all travel, housing, and food is \$179.50. The College charges are: 1. Tuition—\$37.50 for graduate students, \$30.00 for undergraduate students, \$30.00 for non-credit registrants. 2. College fee—\$3.00 per registration.

Studytour of Western Europe: For the fourth successive year, the College is sponsoring a Studytour of Western Europe as a feature of the 1954 Summer Session program. Forty-one days will be spent in eight countries of Western Europe.

Sailing from Quebec on June 30 on the S.S. Atlantic, the party will arrive in England on July 6. The group will continue to Holland, Belgium, Germany, Austria, Italy, Switzerland, and France, visiting the following cities: London, The Hague, Amsterdam, Cologne, Bonn, Frankfurt, Munich, Venice, Florence, Rome, Milan, Geneva, and Paris.

This year visits are planned at Bruges, Belgium; Stratford, Oxford, Windsor, and Stokes Poges in England; Volendam, Leyden, Delft, and Haarlem in Holland; the Rhine, Oberammergau, and the Bavarian Alps in Germany; Innsbruck and the Tyrolean Alps in Austria; Assisi and Pisa in Italy; Zermatt and the Castle of Chillon in Switzerland; and Versailles and Chartres in France.

The group will return on the S.S. Italia sailing from Le Havre, France, on August 16, stopping at Halifax on August 24 and arriving in New York on August 25.

Eight graduate or undergraduate credits may be earned at the regular scale of rates. The cost of the eight-week tour is \$1180.00 for tourist accommodations, round trip or first class accommodations at \$1450.00.

The 1954 studytour will be under the direction of Dr. Benjamin F. Gronewold, Professor of English at the College who directed the 1951, 1952 and 1953 studytours.

International Education Seminars: Study opportunities at the Famous International School, Geneva, Switzerland: An opportunity to study international education organizations at the city recognized as the international center of the world is offered for the summer of 1954 by the College.

These seminars offer a summer of resident study at the International School, Geneva, Switzerland, and provide professionally enriching visits to the following: 1. International Education Conference for the World at the Palace Wilson, Geneva; 2. School of Rousseau; 3. Pestalozzi School; 4. Public and private schools of Switzerland (including the Swiss outdoor education program in summer camps); 5. International Bureau of Education; 6. Educational Exhibits at the Palace Wilson; 7. Headquarters of the International Red Cross; 8. International Labor Office; 9. International Union of Child Welfare; 10. World Health Organization; 11. United Nations sessions; and 12. Voice of America broadcasts.

Important features include week-end excursions by boat, train and motor coach to Zermatt (at the foot of the majestic Matterhorn) to Berne, Lucerne, Fluelen and to Chamonix (at the foot of the beautiful Mont Blanc).

The International School with its famous buildings, modern accommodations, including park, tennis courts, sport grounds, swimming, library and flower gardens, provides an experience in observing the European way of life.

The courses offered at the International School include the International Seminar in Education from July 5 through July 16, and the International Organizations Seminar which extends from July 26 through August 21. The International Seminar in Education is organized to acquaint American students with the educational problems and programs of other nations. The first week includes attendance at the International Education Conference at the Palace Wilson, Geneva, and visits to the schools of Rousseau and Pestalozzi. The second week includes seminars with educational leaders from a variety of countries. Credit: two semester hours.

The International Organizations Seminar is in session from July 26 through August 21. This seminar permits American teachers to live in close contact with those of other nations and discuss the many common problems facing society. For this purpose the International Organizations Seminar has been located in Geneva, the world's international center which permits first hand contact with major problems of the international organizations. This seminar presents a speaker daily from each of the major international organizations and plans visits to each organization headquarters. Credit: four semester hours.

College credits of six hours may be earned by those completing both seminars.

The director of the resident study at the International School is Dr. Emerson E. Neuthardt.

Art Camp: Two weeks of painting, sculpture, and other art studies are provided at the Art Camp being held this summer August 8 to 20 following Summer Session, at the College Camp. The central lodge with dormitories, dining hall, baths and showers will house the class. The 434 acre camp abounds with rural subject matter: hills, valleys, streams, ponds, and old structures interesting to artists. Individualized instruction is available from Mr. Eugene Dakin, Dr. Howard Conant, Miss Barbara Spencer, and Mr. Forest Weeks.

The Art Camp admits students interested in graduate or undergraduate credit. A few non-credit students will be admitted by the instructors. The

total charge (including food, room, and tuition is \$80.00 for graduate credit, and \$75.00 for undergraduate or non-credit students.

Inquiries for the Art Camp should be addressed to Dr. Howard Conant.

Science Camp: The Fifth Science Camp, sponsored by the Science Department, will be held at Allegany State Park during the two weeks immediately following the regular summer session (August 8-20, inclusive).

Any elementary school teacher or principal may enroll. Both graduate and undergraduate students are eligible. Prerequisites are six semester hours of college biology and three semester hours of physical science, or the equivalent. Exceptions can be made for those who have not had the prerequisites but are engaged in teaching.

Activities will include: learning to recognize wild flowers, birds, trees, insects, mosses, ferns, etc.; studying the habitats of various forms of life; and studying the rock formations and fossils of the region. Instruction is in the field, weather permitting. All work will be closely related to the elementary school and to the interests of individual teachers. Several evening sessions are planned with consultants in conservation, nature study, and wildlife management.

Facilities include: 20 cabins, a large recreation building with fireplace, separate dining room, shower rooms with hot and cold running water, and telephone. A post office, ranger station, and telephone are located nearby. Food will be plentiful, tasty, and well-balanced.

Total cost, including tuition, room, board, and laboratory charges will be about \$75.00 for graduate students and \$70.00 for undergraduate students. Enrollment will be strictly limited to fifty students.

Human Relations Workshop: A Human Relations Workshop has been arranged as part of the College Summer Session from June 28 to August 6, 1954 in cooperation with the National Conference of Christians and Jews and Anti-Defamation League. This Workshop offers an opportunity for teams of elementary or secondary school personnel to utilize the facilities of the College and selected community agencies in solving problems of an intergroup nature confronting individuals or communities.

The emphasis in the Workshop will be on studying and developing integrative techniques which can be translated into projects of an on-going nature when participants return to their schools.

Teachers will be enrolled only for a period of six-weeks and will receive six hours credit. Other school personnel such as administrators, counselors, nurses, custodians, school board members or PTA representatives will be enrolled for the first two weeks of the Workshop for two points credit or for six weeks for six points credit if desired. Members of the workshop will explore the tensions within a school or community and study methods of eliminating them.

Participants may attend the Workshop on a non-credit basis paying the regular undergraduate tuition fee, or they may earn either undergraduate or graduate credit upon the payment of the appropriate tuition fee, \$10 per credit undergraduate hour or \$12.50 per credit graduate hour. There will be a College Union charge of \$1 per credit hour and a Student Activity charge of \$1. Out-of-state undergraduate and graduate fees are \$12.50 per credit hour.

Application forms and further information may be obtained from Dr. Anna P. Burrell.

Graduate Workshop in Elementary Education: The Workshop offers pleasant and profitable professional experience for teachers and administrators wishing to devote a summer to the solution of a problem arising out of their own school situations.

A selected group of consultants from the College and from the Elementary Schools will provide assistance to Summer Session students in studying instructional and administrative problems, such as curriculum making, planning units, discipline, reading difficulties, teaching social studies, etc.

Additional resources available to participants include: a selected library of basic references, courses of study, audio-visual materials, classes of the Demonstration School.

Registration is open to graduate students for six semester hours.

Institute of American Square and Folk Dancing: A new feature of the Summer Session will be an eight-day Institute of American Square and Folk Dancing, July 11 to 18. This institute should be of special interest to teachers of physical education, music, art, and the elementary grades, and to others interested in directing recreational activities.

Staff: The faculty has been selected from the staff of the American Squares Schools. The Director, Charley Thomas, is well-known throughout the country by his books and records and his work in similar workshops at other colleges. Jimmy Clossin, teacher of Western square dancing in Texas, is known for his books on this subject. Dr. Ralph Piper is a member of the Physical Education staff of the University of Minnesota.

Instruction: Participants will learn by actively participating as a dancer or a caller in the following: square, folk (American and International), ballroom, singing games, and play-party games. The group will be divided into a beginners and an advanced group. Evening meetings will be open sessions where participants may practice in dancing or calling.

Housing: Room and board will be available in the College Residence Halls at \$5.50 or \$6.00 per week. Two meals per day for the seven days will cost \$10.00. Lunch can be secured in the college snack bar or the college cafeteria.

Fees: Full-time participants pay a charge of \$25.00 plus a laboratory charge of \$5.00; part-time participants will pay an adjusted rate. Students regularly enrolled in the Summer Session will be admitted to all sessions without charge. Applications should be filed by July 1 to Dr. Owen Harlan.

Workshop in the Teaching of French in the Elementary School: This Workshop reflects the growing interest of elementary teachers with some knowledge of French who wish to teach it to their elementary school students. This Workshop will emphasize French conversations and customs; it will study teaching of languages in the elementary curriculum, methods of teaching French on this level, and values of integration of French with other subjects.

One period daily will be spent observing, participating, and teaching in the Demonstration School where a class will be conducted dealing with the theme, "A Summer in France".

Special dormitory and luncheon facilities are planned for the members of this workshop which meets in session five hours daily throughout the Summer Session and grants six graduate or undergraduate credits. Application should be made early to Dr. Charles Messner.

Preparation of Laboratory School Teachers: The need for laboratory school teachers in the Teachers Colleges is increasing. The salaries and professional opportunities afforded by such positions are rewarding. The Summer Demonstration School of the College prepares interested elementary school teachers for laboratory school positions by participation in demonstration teaching and directing the activities of student teachers. Provision is made for Summer Session students to learn about the function of the laboratory school and its part in the teacher education program.

Write to Dr. Robert W. MacVittie, Director of the Summer Demonstration School, for further information.

Junior High School Certification: The State University of New York and the State Education Department of New York recognize the urgent need for teachers to provide for the rapidly increasing Junior High School enrollment. They have approved a program for the Teachers Colleges wherein a graduate of the Elementary Education Curriculum may qualify for an extension of his "Common Branch Certificate" to teach one or more academic subjects in the "lower Secondary School" or Junior High School.

This College has developed a program that has been approved and registered, permitting a graduate of the four-year Elementary Education Curriculum to begin graduate study this summer which will count toward the Master of Science degree, qualify him for temporary certification for teaching in the Junior High School in September 1954, and give him credit toward the required thirty hours for a permanent Junior High School certificate.

For details of this program write to the Director of the Graduate Division.

Industrial Arts Education: The increasing effect of technological advances and industrialization of American life is expanding industrial arts teaching in the public schools.

The Summer Session Industrial Arts courses are offered for:

1. Regularly enrolled college students taking summer courses to extend their professional preparation
2. Students wanting to accelerate their regular program for earlier graduation
3. In-Service Industrial Arts teachers interested in specialized areas of teaching
4. Students working toward the Master of Science degree.

Undergraduate courses are open as electives to all Summer Session students. Write to Dr. Kenneth Brown for particulars.

Education for Exceptional Children: This Summer Session presents a newly-staffed Division of Education for Exceptional Children. These faculty members, coming from recent teaching and administrative positions in public schools and colleges, bring new approach to the areas of curriculum planning, classroom instruction and administration, and pupil guidance in this field. The College is happy to present these new staff members to you and urge you to share their experiences and services. The College is confident that such a staff will render extended and significant service.

Dr. Horace Mann, Director of the Division, and Miss Esther Lipton, will offer four graduate courses in the areas of mental retardation and orthopedic handicap. Graduate students can work both toward the Master of Science degree and New York State certification. Complete details are given under the Graduate Division.

The Intensive Teacher Training Program: The College, in cooperation with the State University and the State Education Department, has planned a special program for graduates of Liberal Arts Colleges, enabling them to gain the professional background and preparation necessary for permanent certification for teaching in the Elementary schools and to qualify for the Master of Science degree.

Those beginning this program should enroll for the Workshop in Elementary Education, El. Ed. 500 As. The hours extend from 8:30 A.M. to 3:00 P.M. with individual conferences later in the afternoon. The students will be divided into seminar groups of 15 or 20 each, under the guidance of an experienced elementary teacher. Provision is made for observation and participation in the Demonstration School from kindergarten through grade seven. Classroom management and instructional methods are emphasized.

Eight semester hours of graduate credit may be earned. Fees are charged according to regular rates. Those desiring to register should file an application with the Director of the Graduate Division.

Those Liberal Arts graduates who have previously registered and completed the Workshop will find a sequential offering among the Graduate Courses. Any questions should be referred to the Director of the Graduate Division.

Accelerated Program: The Elementary Education Division will offer the Accelerated Program during the Summer Session to qualified students graduating from high school in June 1954. The Accelerated Program is not an abbreviated college course; it is a regular four-year program leading to the Bachelor of Science degree and to teaching certification, completed in three calendar years.

High school students wishing to take this program will enter the College on June 28, 1954, attend Accelerated Sessions during the summers of 1954-55-56, attend the regular academic years 1954-55, 1955-56, 1956-57, and graduate in June 1957. No tuition is charged to students accepted in this program.

Reading Clinic. A laboratory course in the improvement of reading abilities of children and in the diagnosis and treatment of reading difficulties will be offered this summer by Mrs. Laura Dunklin, teacher of reading at the Buffalo Seminary.

The aims of the course are: (1) to improve the teaching of reading in classroom and the quality of remedial programs, (2) to increase teachers' understanding of the process of learning to read, (3) to provide practice for Summer Session students in the diagnosing and teaching of reading skills.

The clinic will be conducted daily as follows:

- (1) 9:00 to 10:00, observations—diagnostic and remedial instruction for children enrolled in the clinic

- (2) 10:00 to 11:00, demonstrations by instructors concerning procedures for evaluating and improving reading abilities of the children
- (3) 11:10 to 12:00, lectures
 - a. normal development of reading ability
 - b. physiological and psychological bases of learning to read
 - c. causes and prevention of reading disabilities
 - d. informal and standardized techniques for group and individual appraisal of reading needs
 - e. 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; tuition is \$60.00 for undergraduate study and \$75.00 for graduate study. Registration is limited to 30 students with experience in education. Registration before June 1 is urged to enable the Clinic to secure for each student the age and type of child he desires to teach. Those desiring application blanks should write to Mrs. Howard Dunklin, 24 Berkley Place, Buffalo 9, New York.

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

A limited number of children will be registered for diagnostic and remedial treatment of reading difficulties. A fee of \$15.00 is charged for special supplies and instruction materials. Children will be taught individually for one hour each day by an experienced teacher under the guidance of the instructor.

Anyone wishing to register his child for this clinical service should write to: Mrs. Howard Dunklin, 24 Berkley Place, Buffalo 9, New York or telephone LI. 3677 between 6 and 8 P.M.

Demonstration School: A Demonstration School Program with children from kindergarten through grade seven is an integral part of the Summer Session program. This type of school experience affords enrichment for the children who attend and provides an opportunity for Summer Session students to work with pupils under the supervision of master teachers.

The school is staffed by a faculty which is made up of teachers from neighboring elementary schools, visiting teachers from out-of-state, and teachers from the regular Campus School faculty. The Principal of the Campus School will administer the program during the Summer Session.

The children who attend the Demonstration School are recruited from local and suburban schools. Summer Session students may register their children in the Demonstration School. Those interested should write to Dr. Robert MacVittie for an application form.

Summer Session students may observe in the classrooms of the Demonstration School where they can participate in children's activities.

Art Resource Room: When you need to use scissors and paste in building a paper model, need a water-proof surface for working on a clay project, need to borrow pen and India ink to do some lettering, wish to carry out

a desire to carve something out of wood, or need some help in using art materials, you will again be able to go to the Art Resource Room which is set up with facilities and has student assistants available to help you.

Whether it is something conceived as part of the work for a course, something you wish to experiment with for the improvement of your teaching, or something you would like to make for purely personal reasons, the Art Resource Room is set up to provide you with art materials and equipment which you generally would not own.

This room will be open all day. It is equipped with easels, drawing boards, work tables, waterproof surfaces, tools, brushes, paints, scissors, paste block printing presses, weaving looms, carving tools and other special tools and items of art equipment. Art Education seniors are available to loan equipment and help in any way they can.

Visual Education: Since remarkable improvement in teaching can come through the proper use of audio-visual materials many schools are inaugurating or expanding audio-visual programs.

Aware of the need for teachers with advanced preparation, the college is offering a graduate workshop in audio-visual education, Education 533s, open to those who have taken basic courses or have had experience in teaching or administering audio-visual education. Such problems as financing, accounting, in-service training, program coordinating, administrative systems, and film libraries will be studied.

Education 433s provides undergraduates with the knowledges and skills needed in effective use of audio-visual materials in teaching. Laboratory work in equipment operation and the viewing of films is included.

Sufficient audio-visual equipment items of all varieties and a well-stocked library of films, filmstrips, and other aids make significant laboratory work possible.

Since October 1951 the Visual Education Department and the College Television Committee have produced daily television programs at 9:30 A.M. over WBEN-TV. Members of the college faculty, guests, students, and Campus School children take part in these telecasts which permit first hand experience with this teaching medium.

Extra Class Activities: The kind of recreation program to be expected in the 1954 Summer Session can be seen in a sampling of the 1953 program which included convocation speakers such as: Ashley Montague, outstanding anthropologist; Dr. Robert Fisk, Dean of the School of Education of the University of Buffalo; Dr. Charles D. Gaitskill, Director of Art, Province of Ontario; Richard Carson, actor-director-playwright; Bob Wells, popular radio announcer, and his variety troupe; and Marjorie Gordon, Lyric-coloratura soprano and Nathan Gordon, violinist, both of the Chautauqua Symphony Orchestra.

Students enjoyed and profited by tours and field trips such as: Flight over Niagara Falls, two trips to Chautauqua, two-day conservation trip to Ohio, science trip to College Camp, and visits to major industries in the Buffalo area.

Movies shown twice each week without charge to Summer Session students included *Oliver Twist*, *Lost Horizon*, *Lavender Hill Mob*, *Baron of Ari-*

zona, *It Happened One Night*, *Major Barbara*, and other outstanding film classics.

Two conferences, *Human Relations* and *Niagara Frontier Community Relations*, brought renowned speakers and consultants to the campus.

A number of forums built around such topics as the Rosenberg Controversy, Danger Spots of the World, and The Battle of the Books, were interesting and provocative to everyone attending.

Swimming, dancing, games, tennis, badminton, canoeing, teas and the sociability of the College Union rounded out the program organized by Mr. Joseph Wincenc, the Director of Recreation.

The College newspaper, the *RECORD*, issued weekly keeps everyone posted on Summer Session events.

Conference on Communications: The great impact of today's communication systems (television, radio, motion pictures, newspapers, news-photos, and magazines) upon thinking and behavior will be studied at a Summer Conference on Communications, to be held at the College on July 22 and 23.

Education's role in using and effecting these communications systems will be explored. The development of students' abilities in various forms of expression and communication, will be considered.

The conference will seek to bring about an awareness of the diversity of communications in use today and the many ways which they influence people, especially indirect implications and subtle influences created by propaganda and advertising devices.

Emphasis will be placed on a consideration of how teachers understanding the effect of these out-of-school communications on children, can plan a teaching program to use these influences and devices to desirable ends. A study will be made of the ways students can develop the capacity to express themselves effectively through a variety of communicative skills.

CURRICULA

GRADUATE and UNDERGRADUATE

Summer Session offers both graduate and undergraduate courses in nine curricula leading to the degree of Master of Science and Bachelor of Science. The courses are designed for teachers in service and regular session students continuing their education during the summer. The following curricula are planned in accordance with the certification requirements of the State Education Department:

1. Elementary Education, a program for those interested in teaching in the elementary schools of the state, nursery school through grade seven inclusive.
2. Early Childhood Education, a program of Elementary Education developed specifically for the preparation of teachers of nursery, kindergarten, and primary grades.
3. Elementary School Principal, a program preparing elementary teachers for elementary school administration.
4. Elementary School Supervisors, a program preparing elementary teachers as supervisors in the various areas of the elementary school curriculum.
5. Art Education, a curriculum preparing supervisors and teachers of drawing and art in the elementary and secondary schools of the state.
6. Education of Exceptional Children, an extension of the Elementary Education program to certify teachers in five areas: orthopedically handicapped, hard of hearing; impaired vision, speech correction, and mentally retarded.
7. Home Economics, a curriculum preparing teachers of home-making in the elementary and secondary schools of the state.
8. Industrial Arts, a curriculum preparing teachers of industrial arts in the elementary and secondary schools of the state.
9. Junior High School, an expansion of the Elementary Education program enabling students to extend their elementary certificates, permitting the teaching of academic subjects in grades seven, eight and nine of the junior high school.

LIBRARY FACILITIES

Extensive library facilities are available to students of the Summer Session who find the book collection and current periodicals easily accessible from open shelves in the Edward H. Butler Library. The reserve book section facilitates assigned readings; another section maintains a wide selection of recreational reading materials and a record collection. Microfilm and micro-record readers are available to Summer Session students. Inter-library loan arrangements permit the borrowing of books from the New York State Library in Albany. Special facilities and consultation services are provided for the various workshops; separate book collections are reserved for the use of these groups.

Summer Session students may use the resources of the Laboratory of Instructional Material consisting of story books elementary school textbooks, pamphlets, slides, records, filmstrips, pictures, and costume dolls.

The Demonstration School Library in the Campus School contains a collection of books, magazines, recordings, and filmstrips especially selected for children. Students of the Summer Session may visit and study the library which reflects recognized trends in elementary school library organization and services.

The Erie County Library, including the Buffalo Public Library, the Grosvenor Library, the Library of the Albright Art Gallery, and the Library of the Museum of Science, provide extensive facilities supplemental to those available on the campus.

IMPORTANT NOTICES

Consult the Calendar for outline of the complete summer program.

Registration is on June 28. Accelerated students, graduate students, and all veterans register in the forenoon. Six-weeks undergraduate students register in the afternoon.

Admission to the Graduate Division: Applications for admission to the Graduate Division, in any field of study, should be made in advance preferably before June 15. Write to the Director of the Graduate Division for necessary application forms. Those who have been previously admitted need not apply for registration.

Undergraduate Registration: No formal application to register for undergraduate classes is required. In-service teachers need only to appear on registration day. Students from other colleges should get their program approved in advance by their Deans. Regular session students of this college must get a permit from the Dean of the College in advance of registration.

Veterans: All veterans who are claiming benefits under the G. I. Bill must report to Room 107 Administration Building, Monday, June 28. Representatives of the Veterans Administration will be present.

Convocations: Ten o'clock each Thursday is reserved for college convocations. Effort is made to obtain outstanding talent for each meeting. All students and faculty are expected to attend.

Recreational and Social Activities are planned in keeping with student interests, and all are urged to participate.

Textbooks and Supplies for summer session work may be purchased in the College Co-op Bookstore in the College Union. The Co-op is one of the bright spots of the Campus and is able to supply most students' needs.

Meals: Meals are available in the College cafeterias or in the Snack Bars. Convenient hours and moderate prices will be maintained. Refer to the Summer Session RECORD for complete information.

Rooms: Men or women students desiring rooms in the Residence Halls should engage them in advance by writing to the Dean of Students. All student residences must be approved by the Dean of Students.

Checks: College bills may be paid by checks made payable to: State University College for Teachers, Buffalo. No other checks will be cashed by the college, but banks near the college, have been cooperative with Summer Session Students.

Lockers: Special announcements concerning lockers will be made in the RECORD and on Bulletin boards at the opening of Summer Session.

Swimming: The pool will open from 3 P.M. to 5 P.M. daily for those wishing to swim. The Summer Session RECORD will publish a complete pool schedule.

Picnic: The third Wednesday, at 3:30 P.M., is the traditional date for our Summer Session Picnic. Students and faculty play games, eat, dance, swim and chat together at this time.

GRADUATE DIVISION

Graduate Curricula:

Graduate courses leading to the Master of Science degree are offered during Summer Session and in Extension classes both on campus and at off-campus points. Graduate majors can be taken in Art Education, The Education of Exceptional Children, Elementary Education, Home Economics Education, and Industrial Arts Education.

Graduate work limited to Summer Session and Extension Department:

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

Admission Requirements:

Applicants meeting the following requirements are eligible for admission in the Graduate Division.

- A. The applicant holding an *approved* Bachelor's Degree and eligible to teach in the elementary field or in the field of specialization.

(An *approved* Bachelor's Degree is one granted by):

1. A teachers college accredited by the American Association of College for Teacher Education.
2. A teachers college, college, or university accredited by the appropriate regional accrediting agency.
3. A college accredited or approved by the state board of education or the state university in its state.
(Students possessing Bachelor's degrees not in this approved category may be admitted conditionally to graduate courses).

- B. An applicant holding an elementary education certificate in another state. (Completion of Master's degree requirements does not guarantee New York State certification. The applicants should secure an evaluation of credits and a statement of prescribed work necessary for certification from the Certification Division, State Education Department at Albany, New York.) As far as possible graduate work at the college will be planned to supplement any course inadequacies.

- C. An applicant must have demonstrated ability for graduate work as measured by:

1. Undergraduate scholastic average of 2.3 higher. (Exceptions granted in extenuating circumstances by the Director of the Graduate Division.)
2. An acceptable teaching record (testified by a confidential statement from the administer of the school wherein employed).
3. Recommendations concerning academic and personal qualifications from three persons in a position to make valid statements.

Admission Procedures:

- A. Complete admission blank available from Director of Graduate Division with data required.

- B. Return blank and data before May 1, for registration in Summer Session, before September 1st for registration in first semester, and before January 1st for registration in second semester.
- C. Provide official transcript from college which granted degree (not necessary for graduates of this college).

Admission to Candidacy:

Filing an application for admission to candidacy is the personal responsibility of each admitted student after he has completed a minimum of six hours. He must apply for candidacy at the completion of twelve hours.

Admission to candidacy depends upon:

- A. A cumulative average of "B" in courses presented for graduate credit. No work of (D) grade will be accepted.
- B. A recommendation from the adviser of the candidate, the director of the division, or (in the case of Elementary Education students) the Director of the Graduate Division.
- C. A comprehensive written examination may be required by the Graduate Council upon the recommendation of the student's adviser or director of the division in which application is made.

Requirements for the Master of Science Degree:

- A. The Master of Science degree requires the completion of thirty-two semester hours of graduate study.
- B. Five summer sessions of six weeks each shall be regarded as the usual period of attendance for the completion of the thirty-two hour requirement. This period of time may be shortened by attendance in the classes of the Extension department.
- C. No graduate student, who is a full time teacher, will be permitted to carry an extension program in excess of four credits per semester or eight credits per college year. *This maximum of four hours per semester includes all work whether taken in afternoon, evening, or Saturday sessions at this college or elsewhere.* Registration above this maximum will result in loss of credit in excess of four semester hours. In the Summer Session, a graduate student may be permitted to carry a maximum of one hour of credit per week, that is for two weeks' work he may receive a maximum of two (2) credits; for six weeks' work, six (6) credits; for eight weeks' work, eight (8) credits.
- D. Credit will be withheld for courses completed in another college or university more than seven years prior to registration in the Graduate Division. A candidate shall satisfy all the prescribed requirements within six years from the date of admission.
- E. The Graduate Division has established the following residence requirements applicable to all courses submitted as part of the

graduate program. Twelve semester hours are the maximum non-residence courses that will be approved if the candidate is a graduate of this College. Eight semester hours of non-residence courses is the maximum that will be approved if he is a graduate of another college. In all cases, however, such graduate study must be similar in scope and content to courses offered by the teachers college, and must form a coherent part of the total program of preparation to be completed by the student. A course shall satisfy the requirements for residence when it is offered on the campus of the College, or within the territorial limits of the village or city in which the college is located. A course offered by the college at a camp operated by the college or at a branch established by the college may be accepted as a course in residence.

Special Students:

Students not intending to apply for admission to candidacy may register for courses in the Graduate Division limited to a total of 12 hours.

Registration Fees:

Graduate Division fees are \$12.50 per credit hour.

Elementary Teaching Certification for Liberal Arts College Graduates:

To help relieve 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 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, 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 planned so that college graduates may register in the Graduate Division for certain specified Saturday Extension courses and Summer Sessions. Completion of prescribed courses in a 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 study and satisfactory teaching, upon the request of the employing school official.

For students wishing to complete the requirements for the Master of Science degree, 6 hours of graduate study, elected under the guidance of the Graduate Division of the College, will be required *in addition to the 26 hours of required courses in Elementary Education. Regulations relating to admission to candidacy stated in paragraph 6 must be followed.* All college graduates interested in this program for certification in elementary school teaching, should secure application blanks and complete instructions for registration as soon as possible.

The following is the curriculum for certification of Liberal Arts graduates:

INTERMEDIATE AND UPPER GRADE GROUP

Workshop in Elementary Education (Summer Session only)	8 Sem. Hrs.
Seminar in Elementary School Problems (Emphasis on Science, Mathematics and Language Arts)	3 Sem. Hrs.
Music and Art in Elementary Education	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	4 Sem. Hrs.
	30

KINDERGARTEN-PRIMARY GROUP

Workshop in Elementary Education (Summer Session only)	8 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.
Music and Art in Elementary Education	3 Sem. Hrs.
Workshop in Child Development (Summer Session only)	6 Sem. Hrs.
Electives	4 Sem. Hrs.
	30

GRADUATE CURRICULA

(1) ELEMENTARY EDUCATION

- (A) For the elementary teacher:
- 6 Semester Hours—Workshop in Elementary Education.
 - 3 Semester Hours—Seminar in Elementary Education.
 - 6 Semester Hours—English and/or Social Studies.
 - 6 Semester Hours—Academic electives.
 - *2-6 Semester Hours—Research course, project, or Master's thesis.
 - 5-9 Semester Hours—Unrestricted electives. (Maximum of 16 hours in education courses, including research course, project, or thesis.)

32

- (B) For the elementary principal or supervisor.**
- 6 Semester Hours—Workshop in Elementary Education.
 - 3 Semester Hours—Elementary Administration.
 - 3 Semester Hours—Supervision.
 - 6 Semester Hours—English and/or Social Studies.
 - 2-4 Semester Hours—Academic electives.
 - *2-6 Semester Hours—Research course, project, or Master's thesis.
 - 4-10 Semester Hours—Unrestricted electives.

32

Total credit requirements: 32 semester hours.

* Each candidate, after conference with his or her adviser, may select one of the following requirements: (1) A course in research techniques and interpretation of research materials, 2 hours credit; (2) a project in the field of Elementary Education, 4 hours credit; or (3) a Master's thesis, 6 hours credit.

** Program as outlined is adequate to meet elementary principals provisional certificate but those desiring to qualify for elementary supervisory certificate should complete a minimum of 6 hours in supervision courses using unrestricted electives for the additional 3 hours credit.

(2) HOME ECONOMICS EDUCATION

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

Each candidate, after conference with her adviser, may select one of the following requirements: (1) A course in research techniques and interpretation of research materials, 2 hours credit; (2) a project in the field of Home Economics, 4 hours credit; or (3) a Master's thesis, 6 hours credit. Credit may be applied to Group I or Group II, or may be divided between these two groups, depending upon the nature of the work done.

Total requirements: 32 semester hours.

(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 Education 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. Research techniques, project, or Master's thesis 2-6 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 2-6 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.

* Each candidate, after conference with his adviser, may select *one* of the following requirements: (1) A course in research techniques and interpretation of research materials, 2 hours credit; (2) a project in the field of Industrial Arts Education, 4 hours credit; or (3) a Master's thesis, 6 hours credit.

(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 510. Graduate Studio in Photography 3 Sem. Hrs.
 - Art 512. Graduate Studio in Sculpture 3 Sem. Hrs.
 - Art 526. Special Study 2-4 Sem. Hrs.
 - *Ed. 575. Research Techniques (2 hrs.), Art 550 Project (4 hrs.) or Art 525 Master's thesis (6 hrs.) 2-6 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 Study 2-4 Sem. Hrs.
 - *Ed. 575. Research Techniques (2 hrs.), Art 550 Project (4 hrs.) or Art 525 Master's thesis (6 hrs.) 2-6 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, Social Studies, Science and Mathematics, by advisement.

* Required courses. Each candidate, after conference with his adviser, may select one of the following requirements: (1) Ed. 575, a course in research techniques and interpretation of research materials, 2 hours credit; (2) Art 550, a project in the field of Art Education, 4 hours credit; or (3) Art 525, a Master's thesis, 6 hours credit.

Total requirements: 32 semester hours.

(5) EDUCATION FOR EXCEPTIONAL CHILDREN

- A. **Education of Mentally Retarded Children:**
 - Ed.Ex. 501. Workshop in Education of Mentally Retarded Children 6 Sem. Hrs.
 - Ed.Ex. 511. Seminar in Education of Mentally Retarded Children 2 Sem. Hrs.
 - Ed.Ex. 521. Guidance of Mentally Retarded Children 2 Sem. Hrs.
 - *Ed.Ex. 541. Psychology of Exceptional Children 2 Sem. Hrs.
 - **Ed. 575. Research Techniques (2 hrs.), Ed.Ex. 550 Project (4 hrs) or Ed.Ex. 525 Master's thesis (6 hrs.) 2-6 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 electives 2-6 Sem. Hrs.
- B. **Education of Orthopedically Handicapped Children:** 32
 - Ed.Ex. 502. Workshop in Education of Orthopedically Handicapped Children 6 Sem. Hrs.
 - Ed.Ex. 512. Seminar in Education of Orthopedically Handicapped Children 2 Sem. Hrs.
 - Ed.Ex. 522. Guidance of the Orthopedically Handicapped 2 Sem. Hrs.
 - *Ed.Ex. 541. Psychology of Exceptional Children 2 Sem. Hrs.
 - **Ed. 575. Research Techniques (2 hrs.), Ed. Ex. 550 Project (4 hrs), or Ed. Ex. 525 Master's thesis (6 hrs.) 2-6 Sem. Hrs.
 - English and/or Social Studies as required by Graduate Division 6 Sem. Hrs.
 - Academic electives as prescribed by the Graduate Division 6 Sem. Hrs.
 - Unrestricted electives 2-6 Sem. Hrs.
- C. **Education in Speech Correction:** 32
 - Ed.Ex. 503. Clinical Procedures in Speech Correction 3 Sem. Hrs.
 - Ed.Ex. 513. Seminar in Speech Science 3 Sem. Hrs.
 - Ed.Ex. 524. Introduction to Audiology 2 Sem. Hrs.
 - Ed.Ex. 533. Seminar in Speech Pathology 2 Sem. Hrs.
 - Ed.Ex. 535. Mental Measurement 2 Sem. Hrs.
 - *Ed.Ex. 541. Psychology of Exceptional Children 2 Sem. Hrs.
 - **Ed. 575. Research Techniques (2 hrs.), Ed. Ex. 550 Project (4 hrs) or Ed. Ex. 525 Master's thesis (6 hrs.) 2-6 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.
 - Free electives 2-4 Sem. Hrs.

* Note: Ed.Ex. 541—This course is required by the State Education Department for certification to teach exceptional children. Students who have received certification prior to entrance upon graduate study, will not be required to take Ed.Ex. 541.

** Each candidate after conference with his adviser, may select one of the following requirements: (1) Ed. 575, a course in research techniques and interpretation of research materials, 2 hours credit; (2) Ed.Ex. 550, a project in some field of Education for Exceptional Children, 4 hours credit; or (3) Ed.Ex. 525 a Master's thesis, 6 hours credit. Total requirements: 32 semester hours.

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 Director of the Division of Education of Exceptional Children, State University College for Teachers, Buffalo 22, N. Y., for further information.

(6) INTENSIVE TEACHER TRAINING PROGRAM.

See information on page 29.

DESCRIPTION OF GRADUATE COURSES

ART

Art 503s. Workshop in Using the Visual Language. Psychological basis of effective composition with the visual elements: lines, forms, colors, textures, lights, and motions, irrespective of the substances, materials, objects, or settings in which they are found; visual composition for all purposes; individual study and application of compositional knowledge to immediate school and personal problems such as preparation of visual aids, school publications, photography, organization and arrangement of objects, and effective designing of special items for class, shop or home use. Eight class hours per week. Credit: three semester hours. *Czurles*.

Art 505s. Seminar in Art Education. Problems and projects of teachers and supervisors of art in various types of communities and schools; influence of contemporary philosophy, psychology, principles and practices in art and general education; use of research and scientific methods in determining programs, policies and procedures for the art teacher and supervisor. Required of all Art Education majors. Prerequisite: one or more years of teaching. Eight class hours per week. Credit: three semester hours. *Conant*.

Art 508s. Graduate Studio in Design and Spatial Organization. Individualized work in designing with paint and materials; specialization may be in commercial designing of textiles, wall paper, etc.; layout for publications; home planning and furnishing; costume, stage design, industrial design, or other functional or decorative art. Eight or twelve class hours per week. Credit: two or three semester hours. *Hubler*.

Art 509s. Graduate Studio in Crafts. Individualized work in textiles, jewelry, leather, woodcarving, sculpture, plastics, pottery and metal. Eight or twelve class hours per week. Credit: two or three semester hours. *Dakin*.

Art 510s. Graduate Studio in Photography. Specialization or spread of experience with photographic processes to be determined for each individual according to his background and needs. Problems of black-and-white or color photography as applied to year-book layout, commercial art, the making of teaching aids, and as an art expression. Twelve class hours per week. Credit: three semester hours. *Truedale*.

Art 511s. Art in the Elementary Curriculum. Activities and experiments with various art materials, processes, and procedures, and their application in attaining objectives of elementary education. Organized as a graduate laboratory workshop with opportunity for grade and other teachers to increase their own abilities at expression and creativeness with simple art materials, and to understand their use in developing creative and expressive activities of children. Ten class hours per week. Credit: three semester hours. *Jiskra*.

Art 512s. Studio in Sculpture. Sculpture according to individual backgrounds and interests; theory, processes, and expression using choice of media such as wood, stone, plaster, cement block, metal, leading to understanding of sculpture as a means of individual and group expression, and its place in an educational program. Eight or twelve class hours per week. Credit: two or three semester hours. *Dakin*.

Art 520s. Art Camp. A two-week Post-Summer Session camp to provide opportunity for intensive creative activity in casein, oil and watercolor painting; photography; mobile, plaster, stone, wire and wood sculpture; sketching; or contemporary art study; or a combination of the above. Enrollment limited to 40 students. Open to undergraduate, graduates, special non-credit students, and recent high school graduates. Two semester hours credit. *Conant, Dakin, Spencer, Weeks*. See Highlights of the Summer Session.

EDUCATION

El. Ed. 500s. Workshop in Elementary Education. Work on individual problems encountered in actual practice; individual counselling on projects; general seminar and wide use of the demonstration school. Required of all students registered for

the degree of Master of Science. Enrollment limited. 8:30 to 3:30 daily. Credit: six semester hours credit. *Bradley, O'Brien, Garten, et. al.*

El. Ed. 500As. Workshop in Elementary Education (For Intensive Teacher Training Program students only). Emphasizes child development, elementary school methods and materials, includes preparation of an individual report. Experience with children in the demonstration school. Required of all students who register in the Intensive Teacher Training Program. Six weeks. 8:30 to 3:30 daily. Credit: eight semester hours. *Gover, Sugarman, Breckon, Shockley*.

El. Ed. 501s. Seminar in Elementary Education. Scientific aspects of educational research; study of special problems by individual students from their own teaching experiences. Required of students registered for the degree of Master of Science. Eight class hours per week. Credit: three semester hours. *Crayton*.

El. Ed. 504s. Administration of the Elementary School. New York educational system; legal aspects of school administration; nature and functions of school boards, educational finance in New York State; business duties of the principal; the principal as purchasing agent; management of extra-classroom activity funds; identification of the speech, vision, hearing, and pre-delinquent deviates, youth programs; teacher selection, employment, assignment, tenure and dismissal; building management; pupil transportation; pupil accounting. El. Ed. 504s may precede or follow El. Ed. 503s.

Open to principals, supervisors and experienced teachers. Elective. Eight class hours per week. Credit: three semester hours. *Milanovich*.

El. Ed. 505s. Evaluation Techniques in the Elementary School. Guiding principals in evaluating the educational growth of pupils and in studying educational problems; construction and use of informal objective and essay type tests; evaluation in terms of instructional objectives; selection, administration and scoring of appropriate measuring instruments for evaluation and diagnosing mental abilities, educational achievements and personality characteristics of pupils; statistical concepts and methods in handling and interpreting data; organization of remedial programs. Elective. Open to graduate and undergraduate students. Eight class hours per week. Credit: three semester hours. *Baron*.

El. Ed. 507s. General School Administration. Fundamental principles of school administration; historical beginnings of school administration; national, state, and local responsibility for education; district, township, and county units for school administration; nature and functions of boards of education; school services such as health, supervision, research, library, and attendance; selection, salary, and tenure of teachers and their growth in service, school building programs. Open to qualified graduate students. Elective. Eight class hours per week. Credit: three semester hours. *Steel*.

El. Ed. 509s. Personality Adjustment in the Elementary School. Dynamics of human behavior, the prevention and the cure of maladjustments, and the formation of attitudes and habits, considered in the light of recent clinical findings. Elective. Open to graduate and undergraduate students. Eight class hours per week. Credit: three semester hours. *Baron*.

El. Ed. 511s. Music and Art in Elementary Education. Activities and experiments in various art and music materials suitable for elementary grades with emphasis in new processes and procedures. Ten class hours per week. Credit: three semester hours. *Hoffa, Boyd*.

El. Ed. 512s. Seminar in Child Development. (For Intensive Teacher Training Program students who have taken El. Ed. 500A.) Study of growth and development of elementary school children; understanding and guiding child growth in the mental, social, physical and emotional areas; individual and group work on specialized problems; field trips and observations in classrooms. 8:30 to 3:30 daily. Credit: six semester hours. *Ecker*.

El. Ed. 515s. Seminar in Early Childhood Education. Current trends affecting the curriculum for children from three to eight years of age: materials, organization,

techniques and significant procedures with attention to child-parent-community relationships. Open to graduate and undergraduate students. Eight class hours per week. Credit: three semester hours. *Dudley*.

El. Ed. 516s. Methods and Materials in the Elementary School. Recent trends in the elementary school curriculum organization including detailed studies of language arts, social studies, numbers, science, and evaluation. Open to graduate and undergraduate students. Eight class hours per week. Credit: three semester hours. *Barnett*.

El. Ed. 517s. Teaching the Language Arts in the Elementary School. Recent research in the area of language arts: spelling, written communication, oral communication, reading, creative writing, listening skills; implications of research for creating learning experiences for children in the language arts; developing a language arts program. Open to graduate students and experienced undergraduate teachers. Elective. Eight class hours per week. Credit: three semester hours. *Lange*.

El. Ed. 518s. Studies in Human Growth and Development. Recent trends and developments in child and adolescent growth; changing concepts pertaining to mental, emotional, social and personality growth at various age levels; study of methods applicable to planning, executing and evaluating "action research". Open to graduates and experienced undergraduate teachers. Elective. Eight class hours per week. Credit: three semester hours credit. *Martorana*.

El. Ed. 521s. The Elementary School Curriculum. A review of child nature, the learning process, democratic society, purposes of the elementary school; conflicting philosophies and principles of curriculum development; types of curriculum organization; transitional steps; methods and materials, creative activities, mental health, enrichment of the curriculum; community resources; individual differences; the subject areas and evaluation. Elective. Eight class hours per week. Credit: three semester hours. *Barnett*.

El. Ed. 522s. Psychology of the Pre-School Child. Important phases of development from infancy through the pre-school and early school years; consideration of the motor, language, social, emotional and intellectual development of the growing child in relation to his physical, social and cultural environment; observation of children. Eight class hours per week. Credit: three semester hours. *Dudley*.

El. Ed. 523s. Principles and Practices of Guidance. Existing principles of pupil personnel services; formulating new principles for personnel practices; basic pupil personnel services and techniques to use in the public school system. Elective. Eight class hours per week. Credit: three semester hours. *Knueppel*.

El. Ed. 525s. Thesis. Individual investigation of an original problem undertaken with prior approval of the student's advisor, chairman of the department and Director of the Elementary Education Division; submitted in typewritten form according to the directions given by the Graduate Division, may be elected as part of requirement for Master of Science degree. Credit: six semester hours.

El. Ed. 528s. Human Relations Workshop. Intergroup problems relating to: race, religion or national origin; slow and rapid learners; old and new residents; "fringers" and participants; competitive practices in schools; elements in the classroom or school which divide or integrate a group for effective learning; the use of the team approach. Enrollment limited, open to experienced undergraduate and graduate personnel. Credit: two semester hours for non-teaching personnel. Six semester hours credit for teachers. *Burrell, Kabler* and consultants.

El. Ed. 529s. Workshop in the Teaching of French in the Elementary Grades. French conversation, French civilization, observation and participation in a French demonstration class in Summer Demonstration School. Open to graduates and qualified undergraduates with the consent of the director. Five hours daily. Credit: six semester hours. *Messner*.

El. Ed. 530s. Principles of Supervision. Historical development and changing concepts of supervision; modern concept of the nature and scope of supervisory services; principles of effective supervision; types of administrative organization;

the supervisor in school organization; promoting and maintaining staff harmony; human relations and group dynamics in supervision; educational objectives. Elective. Eight class hours per week. Credit: three semester hours. *Milanovich*.

El. Ed. 533s. Workshop in Audio-Visual Education. Basic audio-visual teaching methods; basic skills and knowledges in use of equipment; films, filmstrips, slides and other materials available; sources of materials and equipment; audio-visual programs in the school; housing; ordering of materials, budgets, administration, evaluation, and film libraries. Eight class hours per week. Credit: three semester hours. *Smay*.

El. Ed. 540s. International Seminar in Education. Attendance at International Education Conference on Education at the Palace Wilson and Seminar on International Education at the International School. Extensive field trips to Swiss Schools and Camps including the Schools of Rousseau and Pestalozzi.

International Organizations Seminar. Different International organizations; field trips to organization headquarters; week end excursions; individual research and contacts. Graduate and undergraduate credit—2, 4, 6 or 8 semester hours. *Neuhardt*. For extended description see Highlights of the 1954 Summer Session in catalog.

El. Ed. 550s. Project. Study of Educational problems, closely related to fields of individual interest, approved by the student's advisor, the chairman of the department and Director of the Elementary Education Division. One copy of report must be submitted in acceptable form for filing in the College Library, (not necessarily bound). Credit: four semester hours.

El. Ed. 566s. Safety Education. A study of the areas responsible for most accidents in the home, the school, the shop, the playground and the community; water safety, traffic safety, fire safety and recreational safety; the materials and methods of teaching safety in the elementary and secondary schools; the integration and correlation of safety education in the school curriculum. Open to graduate and undergraduate students. Eight class hours per week. Credit: three semester hours. *Meyer*.

El. Ed. 567s. Driver Education. Meets certifying requirements for teaching Driver Education in New York; behind-the-wheel training, classroom work and experience with psycho-physical testing equipment; motor vehicle laws, traffic engineering, insurance, accident statistics, accident prevention, automobile maintenance, problems in administering high school driver education course. Students admitted must have met, or intend to meet, certifying requirements to teach on the secondary school level, must have had a valid drivers license for at least 60 days. Open to graduate and undergraduate students; graduate credit students will participate in a special project. Four class hours and six driving hours per week. Special fee—\$4.00. Credit: three semester hours. *Meyer*.

El. Ed. 575s. Research Methods and Techniques. Methods and types of research in studying educational problems; research literature on problems for study; bibliographical resources pertinent to a problem; collecting, handling, and interpreting evidence; tables, graphs and charts, statistical terminology. Required of all graduate students not writing a project or a thesis. Eight class hours per week. Credit: three semester hours. *Hertzberg*.

El. Ed. 585s. Reading Clinic. Effective teaching procedures to achieve competence in comprehension, facility, word recognition, and spelling, identification of reading needs; remedial instruction for specific problems and maladjustments related to reading disability. Open to graduates and undergraduates. Elective 9:00 to 1:00 daily. Credit: six semester hours. See page 00. *Dunklin*.

El. Ed. 590s. The Preparation of Laboratory School Teachers. Practical experiences, discussions, lectures, readings and a prepared report; experience in the summer demonstration school in teaching, conducting conferences with students, directing the instructional planning of novice teachers, relating student teaching to other college experiences; practical experience secured as assistant to one or more laboratory school teachers. Students with credit for El. Ed. 508 may not register for this course. Elective. Eight class hours per week. Credit: six semester hours. *MacVittie*.

EDUCATION FOR EXCEPTIONAL CHILDREN

Ed. Ex. 511s. Seminar in Education of Children with Retarded Mental Development. Class organization, grouping and curriculum; educational psychology for the retarded; psychological tests and their interpretation. Eight class hours per week. Credit: three semester hours. *Mann.*

Ed. Ex. 512s. Seminar in Education of Children with Orthopedic Handicap. Problems of class organization, grouping and curriculum; educational psychology for the crippled; psychological tests and their interpretation. Eight class hours per week. Credit: three semester hours. *Lipton.*

Ed. Ex. 521s. Guidance of Children with Retarded Mental Development. Educational, social and vocational guidance of mentally retarded; job analyses and occupational education. Specialists from fields allied with education and guidance. Eight class hours per week. Credit: three semester hours. *Mann.*

Ed. Ex. 522s. Guidance of Children with Orthopedic Handicaps. Understanding the crippled from the medical viewpoint—causes and incidence of crippling condition; vocational guidance. Physicians, social workers, employers and other specialists as guest lecturers. Eight class hours per week. Credit: three semester hours. *Lipton.*

ENGLISH

Eng. 505s. Studies in the Novel. Brief history of the novel in England, extended study of the novel in the Nineteenth Century; research in some aspect of the novel or in the work of one English novelist. Eight class hours per week. Credit: three semester hours. *Gragg.*

Eng. 511Bs. Studies in the Prose of the Victorian Period. Major Victorian essayists against the intellectual background of Nineteenth Century England—Carlyle, Newman, Macaulay, Ruskin, and Arnold. Eight class hours per week. Credit: three semester hours. *Gragg.*

Eng. 514s. Children's Literature. Types of children's literature; criteria of book selection; the reading interests of children; preparation of bibliography. Eight class hours per week. Credit: three semester hours. *Lange.*

Eng. 516s. Studytour of Western Europe. Offered in connection with Friendship Studytour of Western Europe; open to graduate and undergraduate students. Graduate credit earned through meeting special requirements. See Highlights of the Summer Session in 1954 catalog. Credit: eight semester hours. *Gronewold.*

Eng. 519s. Literature and the World Today. Current ideas as expressed through novels, plays and critical reports; contribution of the magazine, newspaper and motion picture to the world's view of America. Eight class hours per week. Credit: three semester hours. *Greenwood.*

GEOGRAPHY

Geog. 501s. Studies in Industrial Geography. Analysis of selected problems such as: *Petroleum and World Politics, Niagara Power Development, Coffee in World Trade, Niagara Chemical Industries, Production and Distribution of Strategic Minerals*, with choice of topics based upon student needs and importance to world affairs. Eight class hours per week. Credit: three semester hours. *Belz.*

S.S. 507s. Field Course in the History and Geography of New York State. Open to upperclass undergraduates. For description of course see listing under S.S. 507s, Graduate Division. *Rapp and Redden.*

HOME ECONOMICS

H. Ec. 506s. Seminar in Home Management. Newer developments in the field of managing the home; problems in teaching management in secondary and adult classes; individual problems. Eight class hours per week. Credit: three semester hours. *Stoner.*

H. Ec. 512s. Seminar in Household Equipment for Home Economics Teachers. Survey and evaluation of recent developments in household equipment; designed for teachers wishing to include household equipment in high school teaching; work to meet the individual's specific needs. Eight class hours per week. Credit: three semester hours. *Stoner.*

INDUSTRIAL ARTS

I. A. 506s. Supervision of Industrial Arts. Problems and techniques concerning administration and supervision of elementary, secondary and adult programs in industrial arts education at the federal, state, and local levels. Eight class hours per week. Credit: three semester hours. *Brown.*

I. A. 507s. School Shop Planning. Problems involved in planning new industrial arts shops or the remodeling of older shops: space allotments, area planning, service features, selection and placement of equipment, writing specifications, shop plans. Eight class hours per week. Credit: three semester hours. *Harlan.*

I. A. 512s. Textiles. Organization and operation of an Industrial Arts textile unit; study of fibers and materials; techniques of fabric construction; dyeing; surface finishing and treatment; theory and practice in color and pattern harmonies. Fifteen class hours per week. Credit: three semester hours. *Steinzor.*

I. A. 513s. Ceramics. The Industrial Arts ceramics program; basic forming techniques; advanced processes of production in throwing and casting, decoration, firing and kiln construction; body and glaze composition; design of ceramic products. Fifteen class hours per week. Credit: three semester hours. *Steinzor.*

I. A. 519s. New Methods and Techniques in Woodworking. A workshop concerned with carving, appliques and inlays; new plastic finishes, wood substitutes, wood bleaches. Fifteen class hours per week. Credit: three semester hours. *Callan.*

I. A. 520s. Graphic Arts. Skills and technical knowledge in the areas of the graphic arts; contacts with the newer activities: bookbinding, silk screen printing, offset printing, and photography; selection and organization of course content. Fifteen class hours per week. Credit: three semester hours. *Brossman.*

MATHEMATICS

Math. 500s. Mathematics in the Elementary Curriculum. Development of number; rationale of processes; relationships; generalizations; meaning and significance of number and processes; mathematics as a language; measurement; problem solving; visual aids; professional literature; analyses and reports of readings; individual research and project. Eight semester hours per week. Credit: three semester hours. *Cherkauer.*

MUSIC

Music 500s. Music in Education. Materials and practices in present day public school music education; contributions of the various composers throughout history; their works and application to public school music; required readings; listening to records; required attendance at certain concerts; observation in the Campus School; ideas relative to assembly programs. Ten class hours per week. Credit: three semester hours. *Boyd.*

SCIENCE

Sci. 500s. Science in the Elementary Curriculum. Background, purposes and present scope of science in the elementary schools; professional review of subject matter with demonstrations, experiments, motion pictures, readings. Ten hours per week. Credit: three semester hours. *Urban.*

Sci. 501s. Field Studies in Science I. Biological and geological field work; selected field studies, both group and individual; intensive studies of one or more areas. Elective for seniors with an average of C in science completed to date and to graduates with six hours of undergraduate science. Ten hours per week. Credit: three semester hours. *Sengbusch.*

Sci. 503s. Ecology. Scientific nature study, including consideration of the relationships between living things and their physical environment; biological relationships between and within species; man's relationship with the natural environment. Lectures, discussion, readings. Ten hours per week. Credit: three semester hours. *Urban.*

Sci. 504s. Science Camp. Field work at Allegany State Park; out-of-doors science for the elementary school teacher; identification of wild flowers, trees, birds, insects, and other living things; relationships between living things and their environment; geology of the Park, and of western New York. Open to graduate students, and to undergraduates who have credit for six hours of general biology and three hours of physical science, or the equivalent. Offered during the two weeks following the regular summer session. Credit: two semester hours. *Urban, Axtell, Skinner.*

SOCIAL STUDIES

S. S. 500s. Studies in Twentieth Century American History. Aspects of American life since 1900; significant trends, policies, and ideas in politics, diplomacy, and national culture; topics for study dictated by student needs and interests. Prerequisites: 15 hours in Social Studies, including six in American History and six in European History. Eight semester hours per week. Credit: three semester hours. *Peterson.*

S. S. 504s. History of the American Frontier. Progress of settlement from the Atlantic to the Pacific; transmission of culture; developments in transportation; the process of state-making; transition from agrarian to urban communities; social, economic, and political effects of the westward march upon the United States. Prerequisites: 15 hours in Social Studies, including six in American History and six in European History. Eight semester hours per week. Credit: three semester hours. *Rapp.*

S. S. 505s. Studies in Contemporary Economic Problems. International trade; international finance; inflation; labor legislation; problems of labor and management; price levels. Registration with consent of instructor. Eight semester hours per week. Credit: three semester hours. *Albright.*

S. S. 506s. Minority Groups in American Culture. Major racial, nationality, and religious groups in America treated from the cultural, historical, and familial points of view; current anthropological and psychological data on uniformities, differences, prejudices, and discrimination. Prerequisites: 15 hours in Social Studies. Eight semester hours per week. Credit: three semester hours. *Hollister.*

S. S. 507s. Field Course in the History and Geography of New York State. Characteristics of the geographic regions (Allegheny Plateau, Catskills, Hudson and Champlain Lowlands, Adirondacks, Mohawk Valley, Tug Hill and Black River Valley, St. Lawrence Lowland, and Lake Plains); colonial and pioneer settlement; present population pattern; transportation routes and facilities; forts and battlefield of three wars; industrial development; conservation practices; places associated with famous people and movements. One day is spent on campus for orientation and travel arrangements. Dates: August 8-22. Open to graduate and upperclass undergraduate students. Credit: three semester hours. *Rapp, Redden.*

DESCRIPTION OF UNDERGRADUATE COURSES

ART

Art 400s. Workshop in Crafts I. Various crafts: leather work, metal work, ceramics and jewelry; class and individual instruction and election of creative projects. Twelve class hours per week. Credit: three semester hours. *Hubler.*

Art 406s. Creative Art Workshop. Activities and experiments in 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 suitable for the elementary grades. Twelve class hours per week. Credit: three semester hours. *Hoffa.*

Art 420s. Allegany Art Camp. *Conant, Dakin, et. al.* (See course description under Art 520s, Graduate Division.)

EDUCATION

El. Ed. 102s. Child Development. Theory and practice of principles underlying guidance and adjustment of children to life situations; emotional, 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. Prerequisite: El. Ed. 101 or equivalent. Eight class hours per week. Credit: three semester hours. *Martorana.*

El. Ed. 307s. Psychology of the Pre-School Child. *Dudley.* (See course description under El. Ed. 522s, Graduate Division.)

El. Ed. 308s. Seminar in Early Childhood Education. *Dudley.* (See course description under El. Ed. 515s, Graduate Division.)

El. Ed. 402s. Seminar in Elementary School Teaching. Science and philosophy in elementary school teaching; special problems of the classroom teacher in the State of New York; scientific methods of research in solving educational problems. Required of all Elementary Education seniors. Prerequisites: El. Ed. 101-102, 201-202, 301-302, 401. For early childhood education the prerequisites are: El. Ed. 101-102, 201, 202C, 301-C-302C, 308C, 401C. Eight class hours per week. Credit: three semester hours. *Gambert.*

El. Ed. 433s. Audio Visual Education. Basic audio-visual knowledges and skills for effective teaching; use of equipment; films and other materials; orientation; coordinating the audio-visual program in the school; teacher and pupil produced materials; photography. Eight class hours per week. Credit: three semester hours. *Truesdale.*

El. Ed. 461s. Safety Education. *Meyer.* (See course description under El. Ed. 566s, Graduate Division.)

El. Ed. 463s. Driver Education. *Meyer.* (See course description under El. Ed. 567s, Graduate Division.)

El. Ed. 485s. Reading Clinic. *Mrs. Dunklin.* (See course description under El. Ed. 585s, Graduate Division.)

El. Ed. 486s. Methods and Materials in the Elementary School. *Barnett.* (See course description under El. Ed. 516s, Graduate Division.)

El. Ed. 487s. Teaching the Language Arts in the Elementary School. *Lange.* (See course description under El. Ed. 517s, Graduate Division.)

El. Ed. 488s. Human Relations Workshop. *Burrell, Kahler, et. al.* (See course description under El. Ed. 528s, Graduate Division.)

El. Ed. 489s. International Education. *Neuthardt.* (See course description under El. Ed. 540s, Graduate Division.)

El. Ed. 490s. *Personality Adjustment in the Elementary School.* Baron. (See course description under El. Ed. 509s, Graduate Division.)

El. Ed. 491s. *Evaluation Techniques in the Elementary School.* Baron. (See course description under El. Ed. 505s, Graduate Division.)

El. Ed. 492s. *Studies in Human Growth and Development.* Martorana. (See course description under El. Ed. 518s, Graduate Division.)

El. Ed. 493s. *Workshop in the Teaching of French in the Elementary Grades.* Messner. (See course description under El. Ed. 529s, Graduate Division.)

EDUCATION FOR EXCEPTIONAL CHILDREN

Ed. Ex. 511s. *Seminar in Education of Children with Retarded Mental Development.* Mann.

Ed. Ex. 512s. *Seminar in Education of Children with Orthopedic Handicap.* Lipton.

Ed. Ex. 521s. *Guidance of Children with Retarded Mental Development.* Mann.

Ed. Ex. 522s. *Guidance of Children with Orthopedic Handicap.* Lipton.

All graduate courses offered in this division are open to undergraduate students of Senior standing who are working toward certification in this area. For complete details on these courses refer to the description listed under Graduate Division.

ENGLISH

Eng. 204s. *English Literature.* English prose and poetry from the beginnings through the Victorian period. Required of Elementary Education sophomores and Home Economics seniors, elective for others. Eight class hours per week. Credit: three semester hours. Drew.

Eng. 210s. *Children's Literature.* Types of children's literature — folklore, modern informative material, fiction, biography, and poetry; book selection, format, illustrations, reading interests of children, story telling, and preparation of bibliography. Elective for sophomores, juniors, and seniors. Eight class hours per week. Credit: three semester hours. Mrs. Thielking.

Eng. 304s. *American Literature.* Survey of early American literature; major authors and literary developments of the 19th Century; the Romanticists: Irving, Bryant, Poe, Emerson, Thoreau, Hawthorne, Whitman; the Realists: Howells, Clemens, Harte, Dickinson. Required of Elementary Education and Industrial Arts juniors. Elective for others. Eight class hours per week. Credit: three semester hours. Greenwood.

Eng. 402s. *Contemporary Literature.* British and American Literature of the twentieth century, with emphasis on poetry and the novel. Required of Elementary Education seniors; elective for others. Eight class hours per week. Credit: three semester hours. Drew.

Eng. 415s. *Shakespeare I.* Representative comedies and tragedies, including *As You Like It*, *Twelfth Night*, *Hamlet*, *Macbeth*, and *The Tempest*. Elective for juniors and seniors. Five class hours per week. Credit: Two semester hours. Gragg.

Eng. 466s. *Studytour of Western Europe.* Gronewold. (See course description under Eng. 516s, Graduate Division.)

FOREIGN LANGUAGE

See Ed. Ed. 529s, *Workshop in the Teaching of French in the Elementary Grades.*

GEOGRAPHY

Geog. 302s. *Geography of North America.* The United States, Canada, and Mexico divided into geographic regions; physical environment of each region, the changing human geography. Elective. Five hours per week. Credit: two semester hours. Redden.

Geog. 402s. *Economic Geography.* Continuation of Geography 301; emphasis on the agricultural, industrial and commercial aspects of geography; topics related to current affairs; special attention to industries of the Niagara Frontier. Required of Elementary Education seniors. Elective for others. Prerequisite: Geography 301. Eight class hours per week. Credit: three semester hours. Redden.

HEALTH & PHYSICAL EDUCATION

H. Ed. 315s. *Elementary School Health Problems.* Health needs of the growing child; home, school and community health needs; educational principles and procedures as a basis for solving problems; planning for health education within the schools and classroom; prevention of problems. Open to juniors, seniors, in Elementary Education and to others with permission of instructor. Five hours per week. Credit: two semester hours. Wegner.

H. Ed. 402s. *Health Protection.* School and community health problems; school health service; communicable disease control; water supply and sewage disposal; food sanitation; safety education. Required of Elementary Education seniors; others admitted with permission of instructor. Prerequisites: Health Education 201-2. Five hours per week. Credit: two semester hours. Wegner.

INDUSTRIAL ARTS

I. A. 102s. *Woodworking.* Benchwork, cabinet making, pattern making, upholstery, carpentry, wood finishing, model making, boat building and aircraft construction by hand and machine tool methods; use, care, and maintenance of equipment. Eight weeks session. Twenty-five class hours per week. Credit: five semester hours. Callan.

I. A. 301s. *Graphic Arts.* Practical experience in commercial graphic arts areas: imposition, paper estimating and cutting, presswork, bookbinding, rubber stamp making, block printing, silk screen printing, and duplicating; industrial tours and lectures related to newspaper production, photo-engraving, and paper making. Eight weeks session. Twenty-five class hours per week. Credit: five semester hours. Brossman.

I. A. 303s. *Elementary Industrial Arts.* Industrial Arts for the elementary school; hand tool processes in woodwork, metalwork, textiles, ceramics, leather and handcrafts; group and individual projects. Eight weeks session. Ten class hours per week. Credit: three semester hours. Waagen.

I. A. 303s. *Elementary Industrial Arts.* Industrial Arts for the elementary school; hand tool processes in woodwork, metal work, textiles, ceramics, leather and handcrafts; group and individual projects. Six weeks session. Twelve class hours per week. Credit: three semester hours. Harlan.

I. A. 406s. *Ceramics.* Materials, processes, and products of the ceramic industry; clay preparation; hand mould making; slip casting, throwing and turning on the potter's wheel; tile making; firing, glazing and decorating. Eight weeks session. Fifteen class hours per week. Credit: three semester hours. Steinzor.

I. A. 407s. *Textiles.* Fibers, processes and products of the textile industry; manufacture of natural and synthetic yarns; weaving, dyeing, surface treatment and finishing of fabrics; textiles in an Industrial Arts program. Eight weeks session. Ten class hours per week. Credit: two semester hours. Steinzor.

I. A. 408s. Advanced Ceramics. Advanced activities in hand-forming techniques, in plaster work, and on the potter's wheel, decorative technique and theory in glaze and body composition and testing. Six and one-half hours per week. Credit: three semester hours. *Steinzor*.

MATHEMATICS

Math. 101s. General Mathematics. The number system and its development; operations and their relationships; measurement and approximation; formulas; equations; graphs; the way of geometry and proof; problem solving; mathematics as a useful growing science. Required of all Elementary Education students, elective for others. Eight class hours per week. Credit: three semester hours. *Cherkauer*.

MUSIC

Mus. 305s. Music for Children. The use of music on nursery, kindergarten and primary levels—songs, rhythmic activity, the child voice, creative music and instruments, piano and autoharp, games and dances, recordings, books. Elective for sophomores, juniors and seniors. Five class hours per week. Credit: two semester hours. *Webster*.

SCIENCE

Sci. 305s. Zoology. Structure, variety, adaptations, reproduction and life cycles of animals; lectures, demonstrations, and laboratory work. Elective for those who have had Science 201-202 or its equivalent. Ten hours per week, including laboratory. Credit: three semester hours. *Sengbusch*.

Sci. 306s. Botany. Structure, physiology, adaptations, life cycles, and uses of plants in relation to practical problems; observations, experiments, and laboratory work center around man's control of plant life. Elective for students who have had Science 201-202 or its equivalent. Ten hours per week, including laboratory. Credit: three semester hours. *Sengbusch*.

Sci. 310s. Science in the Elementary Grades. Background, function, and subject matter of elementary science; demonstrations, experiments, visual and other materials used in elementary school science. Required of juniors in the Elementary School Science Sequence and elective for other Elementary Education juniors and seniors. Others by arrangement with instructor. Prerequisite: Science 101, 201-202, or their equivalent. Ten hours per week, including laboratory. Credit: three semester hours. *Urban*.

Sci. 410s. Field Studies in Science. Study of the sciences through the use of outdoor situations; principles and practices of learning science by direct experience; plants and animals in their natural ecological relationships; collection and preservation of specimens. Required of seniors in the Elementary School Science Sequence, and an elective for others with permission of the instructor. Ten hours per week. Credit: three semester hours. *Sengbusch*.

Sci. 425s. Science Camp. *Urban, Skinner, Axtell*. (See course description under Science 504s, Graduate Division.)

SOCIAL STUDIES

S. S. 304s. American History to 1789. Early American history from the discovery and settlement of the New World to the formation of the Constitution; European influences; growth and development of the English colonies; the Revolution; establishment of the new nation. Elective for sophomores, juniors, and seniors. Five class hours per week. Credit: two semester hours. *Rapp*.

S. S. 315s. Europe from Napoleon to the First World War. Major influences in nineteenth century Europe: nationalism, imperialism, Industrial Revolution, democracy, and socialism; causes of World War I. Elective for sophomores, juniors and seniors. Five class hours per week. Credit: Two semester hours. *Robison*.

S. S. 346s. American Politics and Political Parties. Framework of American political system; major and minor parties; party organization; party bosses and machines; pressure politics; public opinion and propaganda; party finance; what the citizen can do in politics; talks and interviews by local political leaders. Elective for sophomores, juniors, and seniors. Eight class hours per week. Credit: three semester hours. *Brown*.

S. S. 402s. Sociology. Rise and development of culture; cultural change; social organization and social institutions. Required of Elementary Education and Art Education seniors. Eight class hours per week. Credit: three semester hours. *Crandall*.

S. S. 417s. Juvenile Delinquency. Current trends in juvenile delinquency; causes, nature, and extent of deviant behavior; resources of the clinician; children's court; methods of treatment. Elective for sophomores, juniors, and seniors. Five class hours per week. Credit: two semester hours. *Hollister*.

S. S. 436s. Field Course in the History and Geography of New York State. *Rapp, Redden*. (See course description under S. S. 507s, Graduate Division.)

SUMMER SESSION SCHEDULE

June 28—August 6, 1954

1. Credit for courses: Those marked by an asterisk (*) offer two semester hours credit. All others, unless otherwise indicated, offer three semester hours credit.
2. Time of meeting: All classes meet daily. Two semester hour courses meet a single period daily. Three semester hour courses meet double periods three days per week and single periods on the other two days.
3. Course listings: All courses are listed alphabetically by departments and by catalog number. The number before each course designates the year level. 500 and above indicate graduate courses, 400 to 499 are Senior courses, 300 to 399 are Junior, 200 to 299 are Sophomore, and 100-199 are Freshman courses.
4. In selection of courses, avoid duplicating courses previously completed. If in doubt consult instructors of the courses or the Director of the Summer Session.
5. Only a limited number of graduate courses are open to undergraduates of Senior standing. Check carefully course descriptions if need arises to locate any of these.
6. Students are advised to provide for a lunch period. Cafeterias in the Administration Building and the College Union are open from 10:30 A.M. to 1:30 P.M. The Snack Bars are open throughout the day.
7. Convocations: Regular convocations are scheduled on Thursday from 10:00 to 11:50 A.M. No classes are to be arranged for this time.

GRADUATE COURSES

First Period — 8:00-8:50 A.M.

Catalog No.	Name of Course	Instructor
Art 509s	Studio in Crafts	Dakin
Art 511s	Art in the Elementary Curriculum	Jiskra
Ed. Ex. 511s	Seminar in Education of Children with Retarded Mental Development	Mann
El. Ed. 500s	Workshop in Elementary Education	Bradley, et. al.
El. Ed. 500As	Workshop in Elementary Education (I.T.T.P.)	Gover, et. al.
El. Ed. 504s	Administration of the Elementary School	Milanovich
El. Ed. 511s	Music and Art in Elementary Education	Boyd, Hoffa
El. Ed. 521s	The Elementary School Curriculum	Barnett
El. Ed. 529s	Workshop in the Teaching of French in the Elementary Grades	Messner
El. Ed. 533s	Workshop in Audio Visual Education	Smay
El. Ed. 590s	Preparation of Laboratory School Teachers	MacVittie
Eng. 514s	Children's Literature	Lange
Geog. 501s	Studies in Industrial Geography	Betz
I. A. 513s	Ceramics	Steinzor
I. A. 519s	New Methods and Techniques in Woodworking	Callan
I. A. 520s	Graphic Arts	Brossman
Sci. 500s	Science in the Elementary Curriculum	Urban
S. S. 506s	Minority Groups in American Culture	Hollister

Second Period — 9:00-9:50 A.M.

Catalog No.	Name of Course	Instructor
Art 505s	Seminar in Art Education	Conant
Art 509s	Graduate Studio in Crafts	Dakin
Art 511s	Art in the Elementary Curriculum	Jiskra
Ed. Ex. 511s	Seminar in Education of Children with Retarded Mental Development	Mann
Ed. Ex. 512s	Seminar in Education of Children with Orthopedic Handicap	Lipton
El. Ed. 500s	Workshop in Elementary Education	Bradley, et. al.
El. Ed. 500As	Workshop in Elementary Education (I.T.T.P.)	Gover, et. al.
El. Ed. 504s	Administration of the Elementary School	Milanovich
El. Ed. 511s	Music and Art in Elementary Education	Boyd, Hoffa
El. Ed. 512s	Seminar in Child Development	Ecker
El. Ed. 521s	The Elementary School Curriculum	Barnett
El. Ed. 523s	Principles and Practices of Guidance	Knueppel
El. Ed. 528s	Human Relations Workshop	Burrell, Kahler
El. Ed. 529s	Workshop in the Teaching of French in the Elementary Grades	Messner
El. Ed. 533s	Workshop in Audio Visual Education	Smay
El. Ed. 585s	Reading Clinic	Dunklin
El. Ed. 590s	Preparation of Laboratory School Teachers	MacVittie
Eng. 514s	Children's Literature	Lange
Geog. 501s	Studies in Industrial Geography	Betz
H. Ec. 506s	Seminar in Home Management	Stoner
I. A. 513s	Ceramics	Steinzor
I. A. 519s	New Methods and Techniques in Woodworking	Callan
I. A. 520s	Graphic Arts	Brossman
Sci. 500s	Science in the Elementary Curriculum	Urban
S. S. 506s	Minority Groups in American Culture	Hollister

Third Period — 10:00-10:50 A.M.

Catalog No.	Name of Course	Instructor
Art 503s	Workshop in Using the Visual Language	Czurles
Art 505s	Seminar in Art Education	Dakin
Ed. Ex. 512s	Seminar in Education of Children with Orthopedic Handicap	Lipton
El. Ed. 500s	Workshop in Elementary Education	Bradley, et. al.
El. Ed. 500As	Workshop in Elementary Education (I.T.T.P.)	Gover, et. al.
El. Ed. 505s	Evaluation Techniques in the Elementary School	Baron
El. Ed. 512s	Seminar in Child Development	Ecker
El. Ed. 522s	Psychology of the Pre-school Child	Dudley
El. Ed. 523s	Principles and Practices of Guidance	Knueppel
El. Ed. 528s	Human Relations Workshop	Burrell, Kahler
El. Ed. 529s	Workshop in the Teaching of French in the Elementary Grades	Messner
El. Ed. 566s	Safety Education	Meyer
El. Ed. 575s	Research Methods and Techniques	Hertzberg
El. Ed. 585s	Reading Clinic	Dunklin
El. Ed. 590s	Preparation of Laboratory School Teachers	MacVittie
Eng. 505s	Studies in the Novel	Gragg
Eng. 511s	Studies in the Prose of the Victorian Period	Gragg
H. Ec. 506s	Seminar in Home Management	Stoner
I. A. 513s	Ceramics	Steinzor

Catalog No.	Name of Course	Instructor
I. A. 519s.....	New Methods and Techniques in Woodworking	Callan
I. A. 520s.....	Graphic Arts	Brossman
S. S. 500s.....	Studies in 20th Century American History.....	Peterson

Fourth Period — 11:00-11:50 A.M.

Catalog No.	Name of Course	Instructor
Art 503s	Workshop in Using the Visual Language.....	Czurles
Art 512s	Studio in Sculpture	Dakin
Ed. Ex. 521s.....	Guidance of Children with Retarded Mental Development	Mann
El. Ed. 500s.....	Workshop in Elementary Education.....	Bradley, et. al.
El. Ed. 500As.....	Workshop in Elementary Education (I.T.T.P.)	Gover, et. al.
El. Ed. 505s.....	Evaluation Techniques in the Elementary School	Baron
El. Ed. 512s.....	Seminar in Child Development.....	Ecker
El. Ed. 517s.....	Teaching the Language Arts in the Elementary School	Lange
El. Ed. 518s.....	Studies in Human Growth and Development.....	Martorana
El. Ed. 522s.....	Psychology of the Pre-School Child.....	Dudley
El. Ed. 528s.....	Human Relations Workshop	Burrell, Kahler
El. Ed. 529s.....	Workshop in the Teaching of French in the Elementary Grades	Messner
El. Ed. 530s.....	Principles of Supervision	Milanovich
El. Ed. 566s.....	Safety Education	Meyer
El. Ed. 575s.....	Research Methods and Techniques.....	Hertzberg
El. Ed. 585s.....	Reading Clinic	Dunklin
El. Ed. 590s.....	Preparation of Laboratory School Teachers.....	MacVittie
Eng. 505s	Studies in the Novel	Gragg
or		
Eng. 511s	Studies in the Prose of the Victorian Period	Gragg
H. Ec. 512s	Seminar in Household Equipment.....	Stoner
I. A. 506s	Supervision of Industrial Arts.....	Brown
I. A. 512s.....	Textiles	Steinzor
Math. 500s	Mathematics in the Elementary Curriculum.....	Cherkauer
Sci. 503s	Ecology	Urban
S. S. 500s	Studies in 20th Century American History.....	Peterson

Fifth Period — 12:00-12:50 P.M.

Catalog No.	Name of Course	Instructor
Art 510s	Graduate Studio in Photography.....	Truesdale
Art 512s	Studio in Sculpture	Dakin
Ed. Ex. 521s.....	Guidance of Children with Retarded Mental Development	Mann
Ed. Ex. 522s.....	Guidance of Children with Orthopedic Handicap	Lipton
El. Ed. 500s.....	Workshop in Elementary Education.....	Bradley, et. al.
El. Ed. 500As.....	Workshop in Elementary Education (I.T.T.P.)	Gover, et. al.
El. Ed. 512s.....	Seminar in Child Development	Ecker
El. Ed. 516s.....	Methods & Materials in the Elementary School	Barnett
El. Ed. 517s.....	Teaching the Language Arts in the Elementary School	Lange
El. Ed. 518s.....	Studies in Human Growth and Development	Martorana

Catalog No.	Name of Course	Instructor
El. Ed. 528s.....	Human Relations Workshop	Burrell, Kahler
El. Ed. 529s.....	Workshop in the Teaching of French in the Elementary Grades	Messner
El. Ed. 530s.....	Principles of Supervision	Milanovich
El. Ed. 567s.....	Driver Education	Meyer
El. Ed. 585s.....	Reading Clinic	Dunklin
El. Ed. 590s.....	Preparation of Laboratory School Teachers.....	MacVittie
Eng. 519s	Literature and the World Today	Greenwood
H. Ec. 512s.....	Seminar in Household Equipment	Stoner
I. A. 506s.....	Supervision of Industrial Arts.....	Brown
I. A. 512s.....	Textiles	Steinzor
Math. 500s	Mathematics in the Elementary Curriculum.....	Cherkauer
Music 500s	Music in Education.....	Boyd
Sci. 503s	Ecology	Urban
S. S. 504s	History of the American Frontier.....	Rapp

Sixth Period — 1:00-1:50 P.M.

Catalog No.	Name of Course	Instructor
Art 510s	Graduate Studio in Photography.....	Truesdale
Ed. Ex. 522s.....	Guidance of Children with Orthopedic Handicap	Lipton
El. Ed. 500s.....	Workshop in Elementary Education.....	Bradley, et. al.
El. Ed. 500As.....	Workshop in Elementary Education (I.T.T.P.)	Gover, et. al.
El. Ed. 501s.....	Seminar in Elementary Education.....	Crayton
El. Ed. 507s.....	General School Administration	Steel
El. Ed. 509s.....	Personality Adjustment in the Elementary School	Baron
El. Ed. 512s.....	Seminar in Child Development.....	Ecker
El. Ed. 515s.....	Seminar in Early Childhood Education.....	Dudley
El. Ed. 516s.....	Methods and Materials in the Elementary School	Barnett
El. Ed. 528s.....	Human Relations Workshop	Burrell, Kahler
El. Ed. 529s.....	Workshop in the Teaching of French in the Elementary Grades	Messner
El. Ed. 567s.....	Driver Education	Meyer
El. Ed. 575s.....	Research Methods and Techniques.....	Hertzberg
El. Ed. 585s.....	Reading Clinic	Dunklin
El. Ed. 590s.....	Preparation of Laboratory School Teachers.....	MacVittie
Eng. 519s	Literature and the World Today.....	Greenwood
I. A. 507s.....	School Shop Planning	Harlan
I. A. 512s.....	Textiles	Steinzor
Music 500s	Music in Education	Boyd
Sci. 501s	Field Studies in Science I.....	Sengbusch
S. S. 504s	History of the American Frontier.....	Rapp
S. S. 505s	Studies in Contemporary Economic Problems	Albright

Art 508s.....Studio in Design and Spatial Organization Hubler

Seventh Period — 2:00-2:50 P.M.

Catalog No.	Name of Course	Instructor
El. Ed. 501s.....	Seminar in Elementary Education.....	Crayton
El. Ed. 507s.....	General School Administration	Steel
El. Ed. 509s.....	Personality Adjustment in the Elementary School	Baron
El. Ed. 515s.....	Seminar in Early Childhood Education.....	Dudley
El. Ed. 528s.....	Human Relations Workshop	Burrell, Kahler
El. Ed. 575s.....	Research Methods and Techniques.....	Hertzberg
El. Ed. 585s.....	Reading Clinic	Dunklin

Art 508s.....Studio in Design and Spatial Organization Hubler

Catalog No.	Name of Course	Instructor
I. A. 507s	School Shop Planning	Harlan
Sci. 501s	Field Studies in Science I	Sengbusch
S. S. 505s	Studies in Contemporary Economic Problems	Albright

UNDERGRADUATE COURSES

First Period — 8:00-8:50 A.M.

Catalog No.	Name of Course	Instructor
Ed. Ex. 511s	Seminar in Education of Children with Retarded Mental Development	Mann
El. Ed. 102s	Child Development	Martorana
El. Ed. 486s	Methods and Materials in the Elementary School	Barnett
El. Ed. 493s	Workshop in the Teaching of French in the Elementary Grades	Messner
Eng. 210s	Children's Literature	Thielking
*Geog. 402s	Economic Geography	Redden
I. A. 102s	Woodworking	Callan
I. A. 301s	Graphic Arts	Brossman
†I. A. 303s	Elementary Industrial Arts	Harlan
†I. A. 303s	Elementary Industrial Arts	Waagen
I. A. 406s	Ceramics	Steinzor
Math. 101s	General Mathematics	Cherkauer
Sci. 310s	Science in the Elementary Grades	Urban
*S. S. 315s	Europe from Napoleon to First World War	Robison

† Two hours to be arranged.
‡ Accelerated groups.

Second Period — 9:00-9:50 A.M.

Catalog No.	Name of Course	Instructor
Art 400s	Workshop in Crafts I	Hubler
Ed. Ex. 511	Seminar in Education of Children with Retarded Mental Development	Mann
Ed. Ex. 512	Seminar in Education of Children with Orthopedic Handicap	Lipton
El. Ed. 102s	Child Development	Martorana
El. Ed. 435s	Reading Clinic	Dunklin
El. Ed. 486s	Methods and Materials in the Elementary Schools	Barnett
El. Ed. 488s	Human Relations Workshop	Burrell, Kahler
El. Ed. 493s	Workshop in the Teaching of French in the Elementary Grades	Messner
Eng. 210s	Children's Literature	Thielking
Eng. 304s	American Literature	Greenwood
Geog. 402s	Economic Geography	Redden
*H. Ed. 315s	Elementary School Health Problems	Wegner
I. A. 102s	Woodworking	Callan
I. A. 301s	Graphic Arts	Brossman
†I. A. 303s	Elementary Industrial Arts	Harlan
†I. A. 303s	Elementary Industrial Arts	Waagen
I. A. 406s	Ceramics	Steinzor
Math. 101s	General Mathematics	Cherkauer
Sci. 310s	Science in the Elementary Grades	Urban
S. S. 304s	American History to 1879	Rapp

† Two hours to be arranged.
‡ Accelerated groups.

Third Period — 10:00-10:50 A.M.

Catalog No.	Name of Course	Instructor
Art 400s	Workshop in Crafts I	Hubler
Ed. Ex. 512s	Seminar in Education of Children with Orthopedic Handicap	Lipton
El. Ed. 307s	Psychology of the Pre-School Child	Dudley
El. Ed. 433s	Audio Visual Education	Truesdale
El. Ed. 435s	Reading Clinic	Dunklin
El. Ed. 461s	Safety Education	Meyer
El. Ed. 488s	Human Relations Workshop	Burrell, Kahler
El. Ed. 491s	Evaluation Techniques in the Elementary School	Baron
El. Ed. 493s	Workshop in the Teaching of French in the Elementary Grades	Messner
Eng. 204s	English Literature	Drew
Eng. 304s	American Literature	Greenwood
I. A. 102s	Woodworking	Callan
I. A. 301s	Graphic Arts	Brossman
I. A. 406s	Ceramics	Steinzor
Sci. 305s	Zoology	Sengbusch
or		
Sci. 306s	Botany	Sengbusch
S. S. 304s	American History to 1789	Rapp

Fourth Period — 11:00-11:50 A.M.

Catalog No.	Name of Course	Instructor
Art 406s	Creative Arts Workshop	Hoffa
Ed. Ex. 521s	Guidance of Children with Retarded Mental Development	Mann
El. Ed. 307s	Psychology of the Pre-School Child	Dudley
El. Ed. 433s	Audio Visual Education	Truesdale
El. Ed. 435s	Reading Clinic	Dunklin
El. Ed. 461s	Safety Education	Meyer
El. Ed. 487s	Teaching the Language Arts in the Elementary School	Lange
El. Ed. 488s	Human Relations Workshop	Burrell, Kahler
El. Ed. 491s	Evaluation Techniques in the Elementary School	Baron
El. Ed. 492s	Studies in Human Growth and Development	Martorana
El. Ed. 493s	Workshop in the Teaching of French in the Elementary Grades	Messner
Eng. 204s	English Literature	Drew
*H. Ed. 402s	Health Protection	Wegner
*Music 305s	Music for Children	Webster
Sci. 305s	Zoology	Sengbusch
or		
Sci. 306s	Botany	Sengbusch
S. S. 346s	American Politics and Political Parties	Brown
*S. S. 417s	Juvenile Delinquency	Hollister

Fifth Period — 12:00-12:50 P.M.

Catalog No.	Name of Course	Instructor
Art 406s	Creative Arts Workshop	Hubler
Ed. Ex. 521s	Guidance of Children with Retarded Mental Development	Mann
Ed. Ex. 522s	Guidance of Children with Orthopedic Handicap	Lipton
El. Ed. 435s	Reading Clinic	Dunklin

Catalog No.	Name of Course	Instructor
El. Ed. 463s	Driver Education	Meyer
El. Ed. 487s	Teaching the Language Arts in the Elementary School	Lange
El. Ed. 488s	Human Relations Workshop	Burrell, Kahler
El. Ed. 492s	Studies in Human Growth and Development	Martorana
El. Ed. 493s	Workshop in the Teaching of French in the Elementary Grades	Messner
Eng. 402s	Contemporary Literature	Drew
*Geog. 302s	Geography of North America	Redden
I. A. 102s	Woodworking	Callan
I. A. 301s	Graphic Arts	Brossman
*I. A. 407s	Textiles	Steinzor
S. S. 346s	American Politics and Political Parties	Brown

Sixth Period — 1:00-1:50 P.M.

Catalog No.	Name of Course	Instructor
Ed. Ex. 522s	Guidance of Children with Orthopedic Handicap	Lipton
El. Ed. 308s	Seminar in Early Childhood Education	Dudley
El. Ed. 402s	Seminar in Elementary School Teaching	Gambert
El. Ed. 435s	Reading Clinic	Dunklin
El. Ed. 463s	Driver Education	Meyer
El. Ed. 488s	Human Relations Workshop	Burrell, Kahler
El. Ed. 490s	Personality Adjustment in the Elementary School	Baron
El. Ed. 493s	Workshop in the Teaching of French in the Elementary Grades	Messner
Eng. 402s	Contemporary Literature	Drew
*Eng. 415s	Shakespeare I	Gragg
I. A. 102s	Woodworking	Callan
I. A. 301s	Graphic Arts	Brossman
†I. A. 303s	Elementary Industrial Arts	Waagen
*I. A. 407s	Textiles	Steinzor
Sci. 410s	Field Studies in Science	Sengbusch
S. S. 402s	Sociology	Crandall

† Accelerated groups.

Seventh Period — 2:00-2:50 P.M.

Catalog No.	Name of Course	Instructor
El. Ed. 308s	Seminar in Early Childhood Education	Dudley
El. Ed. 402s	Seminar in Elementary School Teaching	Gambert
El. Ed. 435s	Reading Clinic	Dunklin
El. Ed. 488s	Human Relations Workshop	Burrell, Kahler
El. Ed. 490s	Personality Adjustment in the Elementary School	Baron
Time to be arranged		
†I. A. 303s	Elementary Industrial Arts	Waagen
Sci. 410s	Field Studies in Science	Sengbusch
S. S. 420s	Sociology	Crandall
I. A. 402s	Advanced Graphic Arts	Brossman
I. A. 403s	Advanced Wood Shop	Callan
I. A. 408s	Advanced Ceramics	Steinzor

† Accelerated groups.

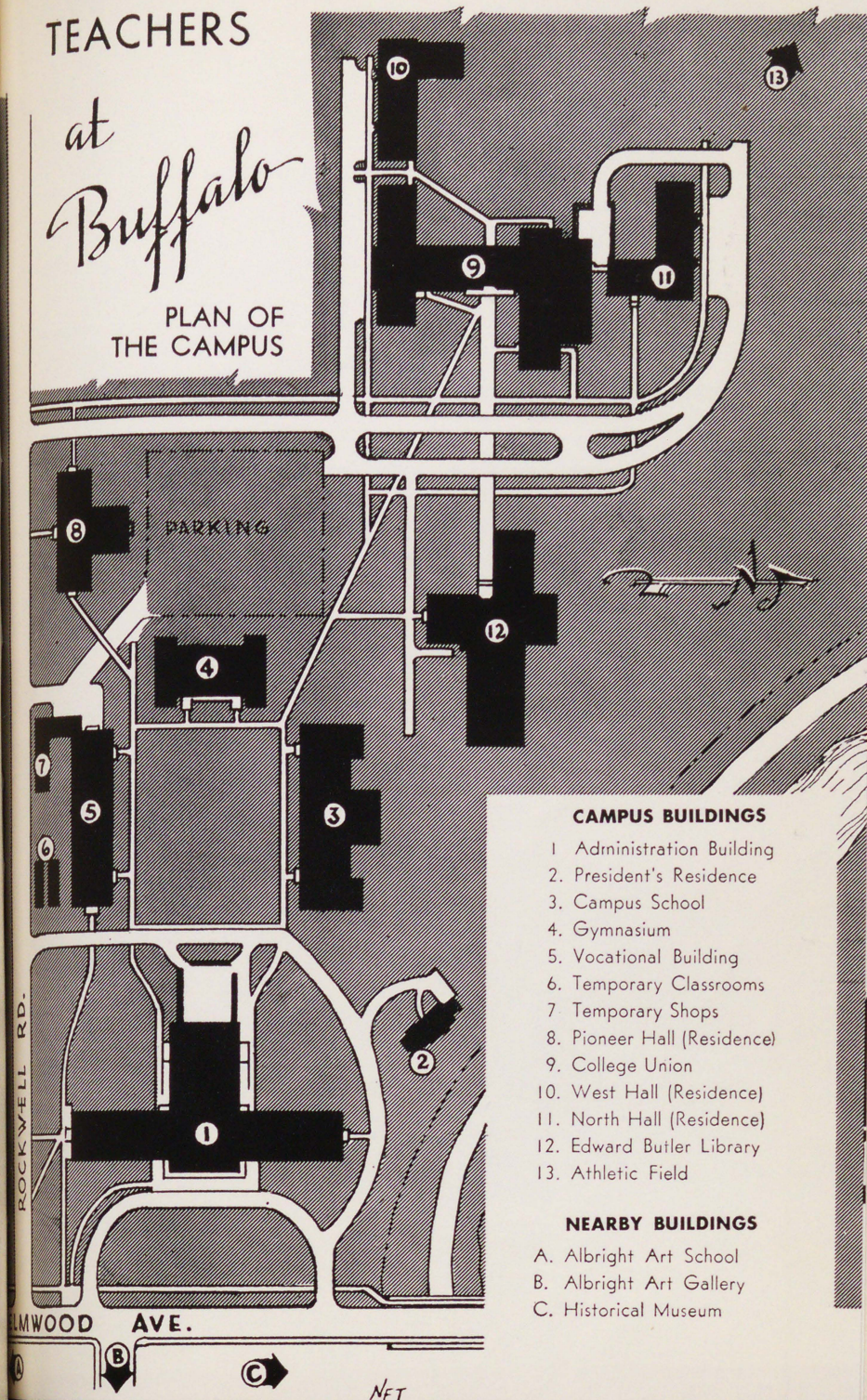
SPECIAL SCHEDULES:

Catalog No.	Name of Course	Dates
Eng. 516s (466s)	Studytour of Western Europe Director: Dr. Benjamin Gronewold	June 30-August 25
El. Ed. 528s (488s)	Human Relations Workshop Director: Dr. Anna P. Burrell	June 28-August 6
El. Ed. 540s (489s)	International Education— Geneva, Switzerland Director: Dr. Emerson E. Neuthardt Institute for Square and Social Dancing Director: Charley Thomas	July 5-August 21 July 11-18
	Conference: Changing Role of Education in Communications Conference: Children's Literature Directors: Dr. Lange & Mrs. Thielking	July 22-23 July 29
Art 520s (420s)	Art Camp Director: Dr. Howard Conant	August 8-20
Sci. 504s (425s)	Science Camp Director: Dr. John Urban	August 8-20
S. S. 507s (436s)	Field Course in the History and Geography of New York State Directors: Dr. Marvin Rapp, Mr. Robert Redden	August 8-20

NEW YORK STATE UNIVERSITY COLLEGE FOR TEACHERS

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PLAN OF
THE CAMPUS



CAMPUS BUILDINGS

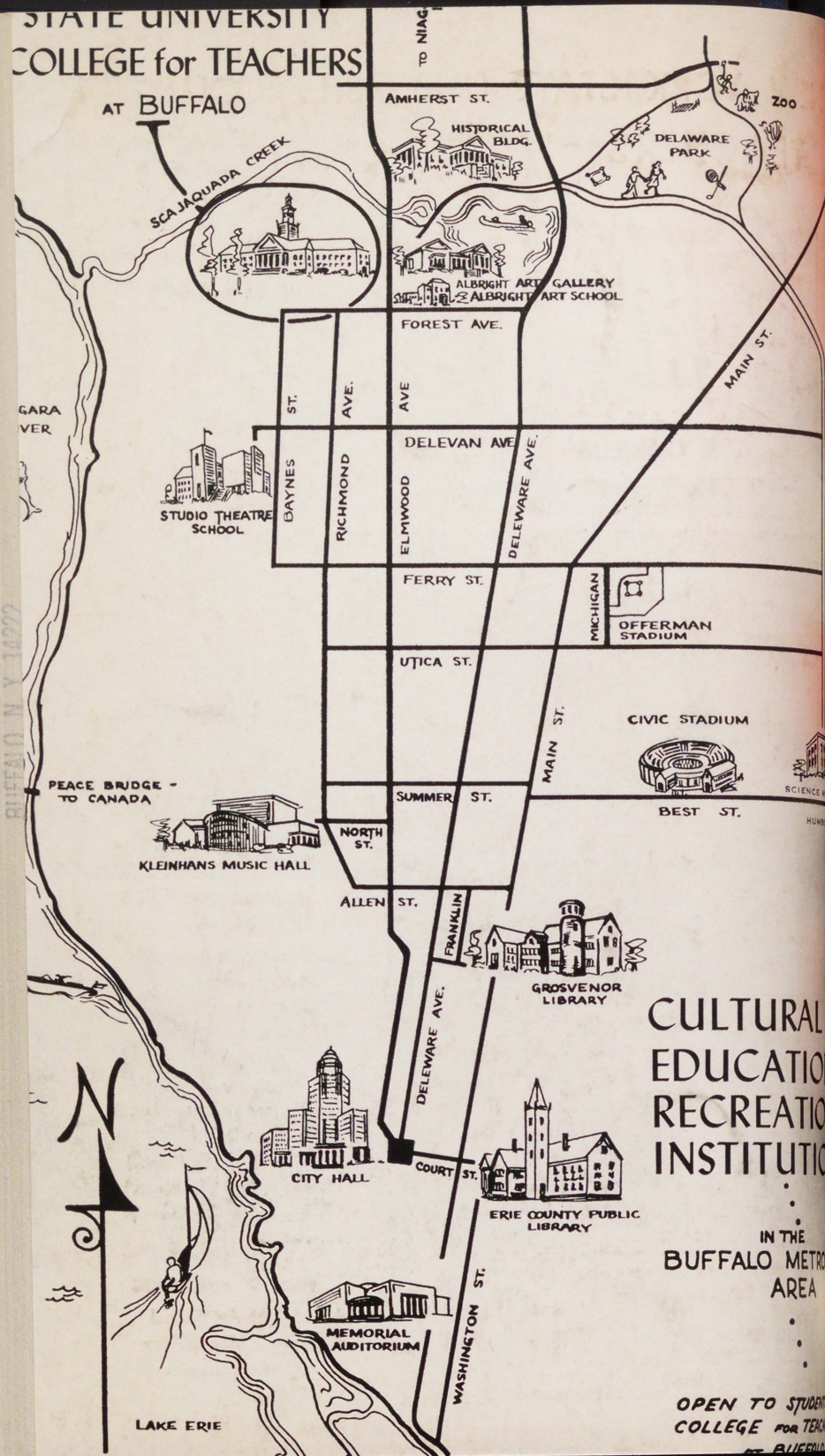
1. Administration Building
2. President's Residence
3. Campus School
4. Gymnasium
5. Vocational Building
6. Temporary Classrooms
7. Temporary Shops
8. Pioneer Hall (Residence)
9. College Union
10. West Hall (Residence)
11. North Hall (Residence)
12. Edward Butler Library
13. Athletic Field

NEARBY BUILDINGS

- A. Albright Art School
- B. Albright Art Gallery
- C. Historical Museum

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