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State University of New York

College for Teachers
**BUFFALO
BULLETIN**

general
catalog

1955
1956

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. Cassey 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
- 1920 Manual Arts Department changed to Industrial Arts Department
- 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 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

State University of New York COLLEGE FOR TEACHERS BUFFALO BULLETIN

Catalog Issue

1955-1956

Buffalo, New York

March 1955

STATE UNIVERSITY COLLEGE FOR TEACHERS BULLETIN
 VOLUME XXIII NUMBER 2

One of Four Publications Issued Quarterly; March, April, August, and October
 by State University College for Teachers, Buffalo 22, N. Y.

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.

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<i>Associate Coordinator of Research</i>	PHILIP A. COWEN, B.S., M.A., Ph.D.
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<i>Assistant to the Executive Dean for Institutes and Community Colleges</i>	FRANCIS E. ALMSTEAD, B.S., M.S.

STATE UNIVERSITY OF NEW YORK

The State University of New York was established by the State Legislature in 1948. It comprises twenty-one colleges and six institutes. There are, in addition, ten community colleges which it supervises. While separated geographically, all are united in the purpose to improve and extend opportunities for youth to continue their education after high school.

State University offers cultural and professional four-year programs in liberal arts, home economics, industrial and labor relations, veterinary medicine, ceramics, agriculture, forestry, maritime service, medicine and teacher preparation, as well as two-year programs in a wide variety of fields, including technical courses in agricultural, industrial, health, and service areas. State University is accredited by the Middle States Association of Colleges and Secondary Schools.

Governed by a Board of Trustees appointed by the Governor, State University of New York plans for the total development of State-supported higher education. Each unit of State University is locally administered, and students apply directly to the institution for admission.

Although State University of New York is the second largest state university in the country, its students have the additional advantages of attending small colleges.

The State University motto is: "Let Each Become All He Is Capable Of Being."

Liberal Arts College

Harpur College at Endicott

Medical Colleges

Downstate Medical Center in New York City

Upstate Medical Center in Syracuse

Teachers Colleges

College for Teachers at Albany

Teachers College at Brockport

College for Teachers at Buffalo

Teachers College at Cortland

Teachers College at Fredonia

Teachers College at Geneseo

Teachers College at New Paltz

Teachers College at Oneonta

Teachers College at Oswego

Teachers College at Plattsburgh

Teachers College at Potsdam

Other Professional Colleges

College of Forestry in Syracuse
Maritime College at Fort Schuyler
College of Ceramics at Alfred University
College of Agriculture at Cornell University
College of Home Economics at Cornell University
School of Industrial and Labor Relations at Cornell University
Veterinary College at Cornell University

Agricultural and Technical Institutes

Agricultural and Technical Institute at Alfred
Agricultural and Technical Institute at Canton
Institute of Agriculture and Home Economics at Cobleskill
Agricultural and Technical Institute at Delhi
Agricultural and Technical Institute at Farmingdale
Agricultural and Technical Institute at Morrisville

Locally-Sponsored Two-Year Colleges

(Under the program of the State University of New York)

Auburn Community College at Auburn
Broome County Technical Institute at Binghamton
Erie County Technical Institute at Buffalo
Fashion Institute of Technology at New York City
Hudson Valley Technical Institute at Troy
Jamestown Community College at Jamestown
Mohawk Valley Technical Institute at Utica
New York City Community College of Applied Arts and Sciences
Orange County Community College at Middletown
Westchester Community College at White Plains

COLLEGE CALENDAR

SPRING SEMESTER 1955

Tuesday,	February 1 }	Registration
Wednesday,	February 2 }	Classes Begin
Thursday,	February 3	Washington's Birthday
Tuesday,	February 22*	Easter Vacation Begins
Wednesday,	April 6	Classes Resume
Monday,	April 18	Semester Ends
Friday,	June 10	Commencement Program
	June 11, 12, 13	

SUMMER SESSION 1955

Tuesday,	July 5	Registration
Wednesday,	July 6	Classes Begin
Friday,	August 12	Six Weeks Term Closes
Friday,	August 26	Accelerated Program Ends

AUTUMN SEMESTER 1955

Wednesday,	September 7	Faculty Conferences
Thursday,	September 8	Freshman Orientation
Monday,	September 12	Freshman Registration
Tuesday,	September 13 }	Upper Class Registration
Wednesday,	September 14 }	Classes Begin
Thursday,	September 15	Columbus Day
Wednesday,	October 12*	Western Zone Conference
Friday,	October 28*	Thanksgiving Holidays Begin
Wednesday,	November 23	Classes Resume
Monday,	November 28	Christmas Holidays Begin
Saturday,	December 17	Classes Resume
Tuesday,	January 3	First Semester Ends
Saturday,	January 28	

SPRING SEMESTER 1956

Tuesday,	January 31 }	Registration
Wednesday,	February 1 }	Classes Begin
Thursday,	February 2	Washington's Birthday
Wednesday,	February 22*	Easter Recess Begins
Wednesday,	March 28	Classes Resume
Monday,	April 9	Memorial Day
Wednesday,	May 30*	Semester Ends
Saturday,	June 9	Commencement Program
	June 9, 10, 11	

SUMMER SESSION 1956

Monday,	July 2	Registration
Tuesday,	July 3	Classes Begin
Wednesday,	July 4*	Independence Day
Friday,	August 10	Six Weeks Term Ends
Friday,	August 24	Accelerated Term Ends

* Classes not in session.

THE COLLEGE

Local Council

	Term Expires
Reid S. Moule (<i>Chairman</i>).....	1960
Joseph L. Fink.....	1961
Nelson M. Graves.....	1956
Hamilton B. Mizer.....	1958
Mrs. James H. Righter.....	1963
Mrs. Jean B. Rogers.....	1959
Stanley P. Turkiewicz.....	1957
Mrs. Herbert J. Vogelsang.....	1962
John P. Wickser.....	1955

Officers of Administration

Harvey M. Rice, A.B., M.A., Ph.D.....	<i>President</i>
Ralph Horn, A.B., M.A., Ph.D.....	<i>Dean</i>
Stanley A. Czurles, B.F.A., M.F.A., Ph.D.....	<i>Director of Art Education</i>
Harry J. Steel, B.A., A.M., Ph.D.....	<i>Director of Education</i>
Horace Mann, A.B., A.M., Ph.D.	<i>Director of Education for Exceptional Children</i>
Allan P. Bradley, A.B., M.A., Ed.D.....	<i>Director of Elementary Education</i>
Robert E. Albright, A.B., M.A., Ph.D.	<i>Director of Graduate and Extension Education</i>
Margaret A. Grant, B.S., M.S., Ed.D.	<i>Director of Home Economics Education</i>
Kenneth W. Brown, B.S., M.S., Ph.D.	<i>Director of Industrial Arts Education</i>
Walter B. Greenwood, A.B., M.A., Ph.D.....	<i>Director of Summer Session</i>
Gordon J. Klopff, B.S., Ph.M., Ph.D.....	<i>Dean of Students</i>
Catherine E. Reed, A.B., M.A.....	<i>Associate Dean of Students</i>
Robert T. Redden, B.E., M.Ed.....	<i>Associate Dean of Students</i>
Robert W. MacVittie, B.E., M.A., Ed.D.....	<i>Principal of Campus School</i>
George R. Sherrie, B.S., Ed.M., Ed.D.....	<i>Co-ordinator of Field Services</i>
D. Paul Smay, B.S., M.A., Ed.D.....	<i>Co-ordinator of Audio-Visual Education</i>
Wilson Barr Gragg, A.B., A.M., Ph.D.....	<i>Supervisor of Examinations</i>
Mary M. May, B.A.....	<i>Acting Registrar</i>
	<i>College Business Manager</i>

FACULTY

Emeritus

Harry W. Rockwell (1919)*.....	<i>President Emeritus</i>
A.B., A.M. (Brown); A.M. (Columbia); Pd.D. (Albany State); L.L.D. (Brown)	
Charles B. Bradley (1918).....	<i>Director Emeritus of</i>
Pratt Institute; B.S. (Buffalo State)	<i>Art Education Division</i>
Myrtle V. Caudell (1919).....	<i>Director Emeritus of</i>
B.S., M.A. (Columbia)	<i>Home Economics Division</i>
Mildred Sipp (1918).....	<i>Director Emeritus of</i>
B.S., M.A. (Columbia)	<i>Home Economics Division</i>
Irving C. Perkins (1920).....	<i>Director Emeritus of</i>
B.S. (New Hampshire); M.A. (Buffalo)	<i>Industrial Arts Division</i>
Grace Allen (1926).....	<i>Professor Emeritus of Education</i>
B.S., M.A. (Columbia)	
Robert O. DeMond (1926).....	<i>Professor Emeritus of History</i>
A.B., M.A. (Syracuse); Ph.D. (Duke)	
Raymond M. Fretz (1929).....	<i>Professor Emeritus of Science</i>
B.S., A.M. (Columbia); Ph.D. (Niagara)	
Anna Gemmill (1919).....	<i>Professor Emeritus of Science</i>
B.S., M.A. (Buffalo); Ph.D. (Columbia)	
Ruth E. Houston (1917).....	<i>Professor Emeritus of</i>
A.B. (Western); A.M. (California)	<i>Health and Physical Education</i>
Ida L. Kempke (1907).....	<i>Professor Emeritus of English</i>
Pd.B., A.B., A.M. (Buffalo)	
Chester A. Pugsley (1930).....	<i>Professor Emeritus of Education</i>
B.A. (Dalhousie); M.A., Ed.D. (Columbia)	
Charles Root (1917).....	<i>Professor Emeritus of Education</i>
Pd.B., Pd.M. (Michigan State); A.B. (Michigan); A.M. (Chicago)	
John Thurber (1930).....	<i>Professor Emeritus of English</i>
B.A. (Colgate); Ph.D. (Iowa State)	
Martha Metz (1927).....	<i>Assistant Professor Emeritus</i>
B.S. (Buffalo State); A.M. (Michigan)	<i>of Elementary Education</i>
Eileen Mulholland (1923).....	<i>Assistant Professor Emeritus of English</i>
Ph.B. (Chicago); M.A. (Columbia)	
Ruth Speir (1920).....	<i>Assistant Professor Emeritus of Music</i>
Virgil School of Music; Columbia; Skidmore; New York	
Walter Weber (1920).....	<i>Assistant Professor Emeritus of Industrial Arts</i>
B.S. (Buffalo State); Ed.M. (Buffalo)	
Marion P. Dana (1928).....	<i>Instructor in History, Retired</i>
B.S., A.M. (Columbia)	
Minnie Groves (1919).....	<i>Instructor in Penmanship, Retired</i>
Diploma (Palmer School of Penmanship)	
Edna Hurd (1922).....	<i>Instructor in Music, Retired</i>
B.M. (Bush Conservatory)	

* The date in parenthesis following the name is that of first appointment to a position on the faculty of this College.

Mary Louise McMahon (1923) *Instructor in Music, Retired*
 B.S. (Buffalo State); M.A. (New York)
 Jennie Robson (1916) *Instructor in Mathematics, Retired*
 Pd.B. (Albany)
 Theresa Roehsler (1907) *Instructor in Campus School, Retired*
 B.S. (Buffalo); A.M. (New York)
 Ella Smith (1902) *Instructor in Campus School, Retired*
 Columbia
 Grace Viele (1902) *Reference Librarian, Retired*
 B.L. (Smith)

The Academic Year 1954-1955

Lois G. Adams (1946) *Associate Professor of Home Economics*
 B.S. (Illinois); M.A. (Columbia)
 Joseph P. Adessa** (1948) *Associate Professor of Health Education*
 B.S., M.Ed. (Penn State)
 Henry W. Ahrens (1952) *Assistant Professor of Art, Campus School*
 B.F.A. (Pratt Institute); M.A. (Columbia)
 Robert E. Albright (1937) *Director, Division of Graduate and*
Extension Education
 A.B. (Nebraska Wesleyan); M.A. (Colorado); Ph.D. (Stanford)
 E. Foster Arthur** (1947) *Assistant Professor of Science*
 B.S. (Denver); M.A. (Columbia)
 Grace Ann Aspray (1951) *Assistant Professor of Home Economics*
 B.S. (Syracuse); M.A. (Columbia)
 Pearson Bailey (1952) *Assistant Professor of Music*
 B.S. (Wittenberg); M.A. (Wayne)
 William J. Barnett (1950) *Assistant Professor of Education*
 B.E. (Brockport); Ed.M. (Rochester)
 Edith F. Batchelder (1951) *Assistant Professor of Home Economics*
 B.S., M.Ed. (New Hampshire)
 Richard H. Baxter (1954) *Associate Professor of Art*
 B.A. (Michigan); M.F.A. (Cranbrook Academy of Art)
 Joseph A. Bolinsky (1954) *Associate Professor of Art*
 B.S. (New Jersey State); M.A. (Columbia); M.F.A. (Iowa)
 Silas L. Boyd (1943) *Professor and Chairman of the*
Department of Music
 A.B. (St. Olaf); B. in Mu. Ed. (Northwestern); M.A. (New York University)
 Arthur L. Bradford (1946) *Professor and Chairman of the*
 A.B., M.S. (Missouri); Ph.D. (Peabody) *Department of English*
 Allan P. Bradley (1947) *Director, Division of Elementary Education*
 A.B., M.A., Ed.D. (Syracuse)
 Raymond S. Bradley (1952) *Assistant Professor of Health and*
 B.S. (Cortland); M.S. (Syracuse) *Physical Education, Campus School*
 George C. Brady (1953) *College Physician*
 A.B. (Cornell); M.A., M.D. (Buffalo)
 M. Frances Breen (1944) *Assistant College Librarian*
 B.S. (Albany State); Ed.M., Ed.D. (Buffalo)

** On leave.

Sarah R. Brinsmaid (1951) *Assistant Professor of Health and*
 B.E. (Brockport); M.A. (New York University) *Physical Education*
 Donald G. Brossman (1941) *Associate Professor of Industrial Arts*
 B.S. (Buffalo State); M.A. (New York University)
 Edmund A. Brown** (1948) *Assistant Professor of History*
 B.A. (Amherst); M.A. (Yale)
 Kenneth W. Brown (1953) *Director, Division of Industrial Arts*
 B.S., M.S. (Kansas State); Ph.D. (Ohio State)
 Richard C. Brown (1952) *Associate Professor of History*
 B.S. (Ohio State); M.A. (Colgate); Ph.D. (Wisconsin)
 Homer A. Bruce (1925) *Associate Professor of Education*
 B.S. (Oklahoma); M.A. (Columbia)
 Eric Brunger (1954) *Assistant Professor of Social Studies*
 B.E. (Oswego); M.S., Ph.D. (Syracuse)
 Ruth M. Buddenhagen (1945) *Associate Professor of Home Economics*
 B.S. (Buffalo State); M.A. (Columbia)
 Anna P. Burrell (1948) *Professor of Education*
 B.S., M.S. (Pennsylvania); Ph.D. (New York University)
 Peter Busa (1954) *Professor of Art*
 H. Virginia Butler (1944) *Professor of Home Economics*
 B.S. (Buffalo State); A.M. (Columbia)
 Louis J. Callan (1946) *Professor of Industrial Arts*
 B.S. (Buffalo State); M.A., Ph.D. (Ohio State)
 David A. Cappiello (1948) *Assistant Professor of Industrial Arts*
 B.S. (Buffalo State); M.S. (Cornell)
 Marian Lucia Carroll (1954) *Professor of Education and Director,*
 B.A. (Buffalo); M.A., Ed.D. (Columbia) *Child Study Center*
 Zella May Case (1950) *Assistant Professor of Art*
 B.A., M.A. (Iowa)
 Rudolph J. Cherkauer (1948) *Assistant Professor of Mathematics*
 B.S. (Buffalo State); Ed.M. (Buffalo)
 Mary Edith Cochnower** (1947) *Professor of English*
 B.S., M.A. (Cincinnati); Ph.D. (Iowa)
 Howard S. Conant (1947) *Professor of Art*
 B.S. (Milwaukee); M.S. (Wisconsin); Ed.D. (Buffalo)
 Mildred M. Concannon (1948) *Assistant Professor of Elementary*
Education, Campus School
 B.S. (Albany State); M.A. (New York University)
 Clarence A. Cook (1947) *Associate Professor of Industrial Arts*
 B.S. (Buffalo State); M.S. (Cornell)
 Hubert E. Coyer (1932) *Associate Professor of Health Education*
 B.P.E. (Springfield); Ed.M. (Buffalo)
 Sylvia Arend Cragun (1949) *Assistant Professor of Home Economics*
 B.S., M.S. (Buffalo State)
 Sherman G. Crayton (1937) *Professor of Education*
 A.B. (Franklin); A.M., Ph.D. (Indiana)
 Gerald E. Critoph (1954) *Assistant Professor of History*
 A.B. (Syracuse); A.M. (Pennsylvania)

** On leave.

Stanley A. Czurlis (1931).....*Director, Division of Art Education*
B.F.A., M.F.A. (Syracuse); Ph.D. (Iowa)

Eugene L. G. Dakin (1947).....*Associate Professor of Art*
B.S. (Milwaukee); M.A., Professional Diploma (Columbia)

Elizabeth M. Desch (1953).....*Assistant Professor of Health Education*
B.S. (Russell Sage); M.A. (New York University)

Fraser B. Drew (1945).....*Professor of English*
A.B. (Vermont); A.M. (Duke); Ph.D. (Buffalo)

Sylvia Crandall Dudley (1951).....*Assistant Professor of Elementary*
B.S., M.A. (New York University) *Education, Campus School*

Margaret Dupre (1930).....*Associate Professor of Science*
B.S. (Texas State College for Women); A.M. (Columbia)

Richard G. Durnin (1952).....*Assistant Professor of Education*
B.S. (Columbia); M.Ed. (Harvard)

Jean L. Eastwood (1954).....*Assistant Professor of Elementary*
B.S. (Buffalo State) *Industrial Arts*

Reuben S. Ebert (1934).....*Professor and Chairman of the*
Department of Mathematics
B.E. (Normal, Ill.); A.M. (Columbia); Ph.D. (New York University)

Theodore E. Eckert (1953).....*Professor of Science*
A.B. (Albany State); M.S., Ph.D. (Cornell)

Doris Kerns Eddins (1947).....*Assistant Professor of Education*
B.S. (Bowling Green); A.M. (Chicago)

Catherine A. English (1953).....*Associate Professor of Music*
B.S. (Potsdam); Ed.M. (Temple)

Norman A. Flannigan (1952).....*Associate Professor of Science*
B.A., Ed.M. (Buffalo); Ph.D. (Cornell)

John Fontana (1929).....*Professor of Industrial Arts*
B.S. (Buffalo State); A.M. (New York University); Ed.D. (Buffalo)

Anthony L. Fricano (1954).....*Assistant Professor of Elementary*
B.S., M.S. (Brockport) *Education, Campus School*

Martin B. Fried (1948).....*Professor of English*
B.S. (Buffalo State); M.A. (Harvard); Ph.D. (Chicago)

Joan Fynn (1954).....*Junior Librarian*
B.S. (Buffalo State)

Betty Gallagher (1946).....*Associate Professor of Education*
B.S. (Buffalo State); M.A. (Michigan) *for Exceptional Children*

Hertha Specht Ganey (1934).....*Professor of English, Campus School*
A.B. (Albany State); A.M. (Columbia)

Meribah S. Gardiner (1947).....*Assistant Professor of Elementary*
B.S. (Bucknell); M.E. (Temple) *Education, Campus School*

Mina S. Goossen (1927).....*Professor of English and Dramatics*
B.O.E. (Syracuse); A.M. (Southern California)

Eleanor M. Gover (1926).....*Associate Professor of Elementary*
B.S. (Buffalo); M.A. (Columbia) *Education, Campus School*

Andrew W. Grabau (1925).....*Associate Professor of English*
B.S. (Buffalo); M.A. (Columbia)

Wilson Barr Gragg (1949).....*Professor of English*
A.B. (Illinois); A.M., Ph.D. (Northwestern)

Margaret A. Grant (1937).....*Director, Division of Home Economics*
B.S. (Buffalo State); M.S. (Cornell); Ed.D. (Buffalo)

Rhoda Y. Greenwood (1952).....*Professor of English*
A.B. (Transylvania); M.A. (Wittenberg)

Walter B. Greenwood (1950).....*Professor of English and*
Director of Summer Session
A.B. (Transylvania); M.A. (Columbia); Ph.D. (Cincinnati)

Benjamin F. Gronewold (1947).....*Professor of English*
B.A. (North Central); M.A. (Wisconsin); Ph.D. (New York University)

Manuel H. Guerra (1950).....*Assistant Professor of Spanish*
B.A. (Wisconsin); M.A. (Michigan)

Loretta Regan Hanover (1952).....*Assistant Professor of Elementary*
B.S. (Buffalo State) *Education, Campus School*

Owen Harlan (1946).....*Associate Professor of Industrial Arts*
B.E. (Eastern Illinois); M.A. (Minnesota); Ed.D. (Missouri)

Kathryn Harries (1953).....*Assistant Dean of Students*
in Charge of Residence Halls
B.A. (Iowa State Teachers); M.A. (Northwestern)

Carl E. Hein (1952).....*Assistant Professor of History*
B.A. (DePauw); M.A., Ph.D. (Wisconsin)

Frances G. Hepinstall (1930).....*College Librarian*
B.S. (Syracuse); M.S. (Columbia)

Oscar E. Hertzberg (1930).....*Professor and Chairman of the*
A.B. (Wisconsin); A.M., Ph.D. (Columbia) *Department of Education*

Carolyn W. Heyman (1930).....*Associate Professor of Art*
B.S. (Western Reserve); A.M. (New York University)

Harlan E. Hoffa (1953).....*Assistant Professor of Art*
B.S., M.Ed. (Wayne)

Frederick J. Hollister (1948).....*Professor of Sociology*
A.B. (Union); M.A. (Albany State); Ph.D. (Syracuse)

Paul Homer (1954).....*Assistant Professor of Music*
B.A., M.A. (Columbia)

Ralph Horn (1936).....*Dean*
A.B. (Ashland); M.A., Ph.D. (Ohio State)

Julius J. Hubler (1948).....*Professor of Art*
B.S. (Southeast Missouri); M.A., Ed.D. (Columbia)

Mary L. Jamison (1928).....*Associate Professor of Elementary*
B.S., A.M. (Columbia) *Education, Campus School*

Otto A. Jiskra (1952).....*Assistant Professor of Art*
B.S., M.A. (Ohio State)

Carol Kahler (1951).....*Associate Professor of Education*
B.S., M.A. (Northwestern)

Ruth McLean Karcher (1930).....*Associate Professor of Art*
A.B. (Ohio Wesleyan); A.M. (Columbia)

Lawrence S. Katzman (1954).....*Associate Professor of Health Education*
B.A. (Syracuse); Ed.M. (Buffalo)

Eleanor G. Kelly (1947).....*Assistant Professor of Elementary*
B.S. (Buffalo State); M.A. (Columbia) *Education, Campus School*

Alma Nauth Kemble (1954).....*Assistant Professor of Science*
B.A. (Buffalo)

Lenore Kemp (1950).....*Junior Librarian*
B.S. (Buffalo State); B.S. in L.S. (Buffalo)

Dorismae Kent** (1948).....*Junior Librarian*
B.S. (Geneseo)

Edgar King (1948).....*Assistant Professor of Elementary*
B.A. (Alfred); M.Ed. (Rochester) *Education, Campus School*

Gordon J. Klopf (1952).....*Dean of Students*
B.S., Ph.M., Ph.D. (Wisconsin)

Inez M. Knapp (1934).....*Associate Professor of Elementary*
B.S. (Buffalo); M.A. (Columbia) *Education, Campus School*

Margaret Knueppel (1953).....*Assistant Dean of Students*
B.S., M.S. (Wisconsin) *in Charge of College Union*

Walter S. G. Kohn (1954).....*Assistant Professor of History*
B.S. (London); M.A., Ph.D. (New School for Social Research)

Richard Henry Lampkin (1950).....*Professor of Science*
A.B., B.Ed., M.Ed. (Cincinnati); Ph.D. (Columbia)

Lorraine A. Lange (1948).....*Professor of Education*
B.A. (Iowa State); M.A., Ph.D. (Ohio State)

George Laug (1949).....*Assistant Professor of Science*
B.S., M.S. (Syracuse)

Wilma Laux (1949).....*Assistant Professor of Geography, Campus School*
B.S. (Buffalo State); M.A. (Ohio State)

Edna Meibohm Lindemann (1946).....*Associate Professor of Art*
B.S. (Buffalo); M.A. (Northwestern)

Esther Lipton (1953).....*Assistant Professor of Education*
B.S., M.A. (Columbia) *for Exceptional Children*

Harold R. Lofgren (1949).....*Associate Professor of Art*
B.S. (Miami); M.A. (Columbia)

Robert W. MacVittie (1953).....*Principal, Campus School and*
Professor of Education
B.E. (Oneonta); M.A., Ed.D. (New York University)

Horace Mann (1953).....*Director, Division of Education*
for Exceptional Children
A.B. (Brooklyn College); A.M. (Columbia); Ph.D. (Penn State)

Anna A. Martorana (1946).....*Associate Professor of Education*
B.S. (Buffalo State); M.A. (Columbia); Ph.D. (Minnesota)

Lester B. Mason (1940).....*Professor of History*
A.B. (Dartmouth); A.M. (Columbia); Ph.D. (Cornell)

T. Dolores Rousseau Mason (1943) . . . *Associate Professor of Elementary*
B.S., M.A. (Columbia) *Education, Campus School*

Jeanne M. Massing (1949).....*Assistant Professor of Art*
B.S., M.S. (Buffalo State)

Mary M. May (1937) *Acting Registrar*
B.A. (D'Youville)

John R. Y. McRae (1954) *Assistant Professor of English*
B.A. (Western Ontario); M.A., Ph.D. (Toronto)

Charles A. Messner (1926) *Professor and Chairman of*
the Department of Languages
A.B. (Wabash); A.M. (Chicago); A.M., Ph.D. (Harvard)

** On leave.

Howard J. Meyer (1950).....*Assistant Professor of Industrial Arts*
B.S. (Buffalo State); Ed.M. (Buffalo)

Anthony Milanovich (1950).....*Associate Professor of Education*
B.S., M.S. (Indiana State); Ph.D. (Ohio State)

Edward L. Morrice (1926).....*Associate Professor of Industrial Arts*
B.S. (Buffalo State); M.A. (Buffalo)

Ruth Slacer Muck (1942).....*Assistant Professor of Elementary*
B.S., M.S. (Buffalo State) *Education, Campus School*

Valentine J. Nadolinski (1947).....*Assistant Professor of Science*
B.A., M.S. (Buffalo)

Emerson E. Neuthardt (1946).....*Professor of Industrial Arts*
B.S. (Oswego); M.A. (New York University); Ed.D. (Buffalo)

Meta Norenberg (1947).....*Assistant Professor of English*
B.A. (Western Union); M.A. (Nebraska)

Virginia Fuller Nudd (1950).....*Assistant Professor of Home Economics*
B.S. (Buffalo State); M.S. (Arkansas)

Mae O'Brien (1931).....*Professor of Education*
B.S., M.A., Ph.D. (Columbia)

George D. O'Connell (1954).....*Assistant Professor of Art*
B.S., M.S. (Wisconsin)

William C. Palmeter, Jr. (1948).....*Assistant Professor of Industrial Arts*
B.S., M.S. (Buffalo State)

Elizabeth Goode Penn (1947).....*Associate Professor of Education*
B.S. (New Jersey State); M.A., Ed.D. (Columbia)

Harold F. Peterson (1933).....*Professor of History and Chairman of*
the Department of Social Studies
A.B. (Knox); M.A. (Minnesota); Ph.D. (Duke)

Julia C. Piquette (1952).....*Assistant Professor of English and Speech*
B.S., M.A. (Northwestern)

Mary Elizabeth Pratt (1952).....*Assistant Professor of Education*
B.E. (Cortland); M.A. (Columbia)

June Bosworth Provenzano (1948).....*Assistant Professor of*
B.S. (Indiana); M.Ed. (Penn State) *Health Education*

Marvin A. Rapp** (1946).....*Professor of History*
A.B. (Colgate); M.A., Ph.D. (Duke)

Loraine M. Raps (1951).....*Nurse-Instructor*
R.N. (Buffalo General); B.S. (Buffalo)

Robert T. Redden (1950).....*Associate Professor of Geography*
B.E. (Geneseo); M.Ed. (Rochester) *and Associate Dean of Students*

Catherine E. Reed (1920).....*Associate Dean of Students*
A.B. (Syracuse); M.A. (Columbia)

Harvey M. Rice (1951).....*President*
A.B. (Concord); M.A. (West Virginia); Ph.D. (Ohio State)

Gertrude E. Roach (1925).....*Associate Professor of Health Education*
R.N. (Buffalo General); B.S. (Buffalo State); M.A. (New York University)

Houston T. Robison (1949).....*Professor of History*
B.S., M.S. (Oregon); Ph.D. (Chicago)

Cecil T. Rodney (1948).....*Associate Professor of Mathematics*
B.S. (St. Lawrence); M.A. (Columbia); Ed.D. (Buffalo)

** On leave.

Mildred Schlei Roesser (1940).....Associate Professor of History
B.S., M.A., Ed.D. (Buffalo)

David A. Rogers (1950).....Assistant Professor of History
B.A., M.A. (Buffalo)

Alma R. Roudebush (1934).....Professor of Home Economics
M.A. (Columbia); B.S., Ph.D. (Ohio State)

Ellsworth M. Russell (1948).....Associate Professor of Industrial Arts
B.E. (Eastern Illinois); M.S. (Iowa State); Ed.D. (Penn State)

Lorane Ryan (1954).....Junior Librarian
B.S. (Geneseo)

Anne Grassette Saenger (1952).....Assistant Professor of Science
B.E. (Plattsburgh); M.A. (Columbia)

Winifred Eakin Schasel (1950).....Assistant Professor of Home Economics
B.S. (Bowling Green); M.S. (Cornell)

Margaret Mary Schrader (1949).....Assistant Professor of Elementary
B.S. (Buffalo State); Ed.M. (Buffalo) Education, Campus School

Conrad J. Schuck (1947).....Associate Professor of English
A.B. (Dartmouth); M.A. (Harvard)

Marguerite Stockberger Scott (1931).....Associate Professor of
A.B. (Indiana); M.A. Columbia Social Studies, Campus School

Howard G. Sengbusch (1951).....Associate Professor of Science
B.S. (Buffalo State); Ed.M. (Buffalo); M.S., Ph.D. (New York University)

Allen G. Sexton (1953).....Assistant Professor of History
B.S. (Buffalo State); M.A. (Buffalo) and Publicity Officer

Sigurd W. Sheel (1945).....Associate Professor of Science
B.A. (Luther); M.S. (Iowa)

George R. Sherrie (1947).....Co-ordinator of Field Services
B.S. (Buffalo State); Ed.M. (Buffalo); Ed.D. (Syracuse)

Paul W. Sloan (1937).....Professor of Education
A.B. (Defiance); M.A., Ph.D. (Ohio State)

D. Paul Smay (1946).....Professor of Art,
Co-ordinator of Audio Visual Education
B.S. (Indiana (Pa.) State); M.A., Ed.D. (Columbia)

Marguerite M. Smith (1954).....Assistant Professor of Elementary
B.S. (Alabama); M.Ed. (Pennsylvania) Education, Campus School

Ralph L. Smith (1949).....Assistant Professor of English
B.S. (Buffalo State); M.A. (Iowa)

George K. Stark (1954).....Assistant Professor of Art
B.S. (Buffalo State); M.A. (Columbia)

Harry J. Steel (1926).....Director of Education
B.A., A.M., Ph.D. (Minnesota)

Harold J. Steffen (1946).....Associate Professor of Industrial Arts
B.S. (Buffalo State); Ed.M. (Buffalo)

Benjamin Steinzor (1953).....Assistant Professor of Industrial Arts
B.S. (New York University); M.E. (Alfred)

Sarah Sterrett (1949).....Assistant Professor of Elementary
Education, Campus School
B.A. (University of Wales); M.S. (Buffalo State)

** On leave.

Richard A. D. Stewart (1950).....Professor of Family Life
B.A., M.A. (Toronto); Ph.D. (Columbia)

Ruth Sugarman (1946).....Professor of Elementary Education, Campus School
B.S. (Buffalo State); M.A. (Northwestern); Ed.D. (Buffalo)

William H. Tallmadge** (1949).....Assistant Professor of Music
B.M., M.M. (Oberlin)

Clement T. Tetkowski (1949).....Associate Professor of Art
B.S. (New Jersey State); M.A. (Columbia)

David H. Thielking (1948).....Assistant Professor of Science
B.S. (St. Lawrence); Ed.M. (Buffalo)

Helen Rimkus Thielking (1946).....Assistant College Librarian
B.S., M.S. (Albany State)

Donald W. Trueblood (1953).....Assistant Professor of English
B.S. (Eau Claire); M.A. (Northwestern)

Norman F. Truesdale (1947).....Associate Professor of Art
B.S. (Buffalo State); Ed.M., Ed.D. (Buffalo)

Eugenia R. Truesdell (1952).....Assistant College Librarian
A.B. (Elmira); B.S. (Syracuse)

Madeline Turner (1953).....Nurse, Student Health Service
R.N. (Buffalo General); B.S. (Buffalo)

John Urban (1946).....Professor and Chairman of the
B.S. (Kent State); A.M., Ph.D. (Columbia) Department of Science

Burton S. Waagen** (1946).....Assistant Professor of Elementary
B.S. (Duluth); M.A. (Columbia) Industrial Arts

Mazie Earle Wagner (1950).....Associate Professor of Education
B.A., M.A. (Buffalo); Ph.D. (Columbia)

Norman F. Weaver (1950).....Associate Professor of History
B.A. (Ball State); M.S., Ph.D. (Wisconsin)

Pauline A. Weaver (1948).....Associate Professor of Home Economics
B.S. (Ohio State); M.A. (Columbia)

Frank W. Webster (1949).....Associate Professor of Music
B.S. (Julliard); M.A. (Columbia)

Artnoll L. Wegner (1952).....Professor and Chairman of the
B.S. (LaCrosse); M.S. (Wisconsin); Pe.D. (Indiana) Department of Health Education

Eleanore B. Westlund (1951).....Associate Professor of Home Economics
B.S., M.A. (Minnesota)

Katheryne Thomas Whittemore (1925).....Professor of Geography
A.B. (Vassar); A.M., Ph.D. (Clark)

Joseph F. Wincenc (1947).....Professor of Music
Mus.B. (Oberlin); Mus.M. (State Conservatory of Music, Prague, Czechoslovakia); M.A. (Columbia)

D. Kenneth Winebrenner (1939).....Professor of Art
B.S. (Indiana (Pa.) State); M.A., Ed.D. (Columbia)

LaVerne R. Zimmer (1952).....Assistant Professor of English and
B.E. (Geneseo); M.A. (Stanford) Mathematics, Campus School

** On leave.

EDWARD H. BUTLER LIBRARY
STATE UNIVERSITY COLLEGE
300 KUMMOW AVENUE
BUFFALO, N. Y. 14222

PUBLIC SCHOOL No. 52
(276 Bird Avenue, Buffalo 13, New York)
(Affiliated with the College)

Instructors

Ford R. Park, Ph.B., Ed.M.	Principal
Ruth Thompson Auer, B.S., Ed.M.	Art
Madeline E. Bambach, B.S., Ed.M.	Second Grade
Kathleen Croll, B.S. in Ed.	Seventh Grade
Mary L. Darker, B.S. in Ed.	First Grade
Mary J. Doe.	Third Grade
Marie Fitzpatrick, B.S., Ed.M.	Third Grade
Elizabeth Harbison, B.S., M.A.	Eighth Grade
Georgina S. Haskill, B.S., M.A.	First Grade
A. Margaret Kemp, B.S., M.A.	Fifth Grade
Maire Kerr, B.S.	Eighth Grade
Alice E. Krenning, B.S., Ed.M.	Sixth Grade
Dolores Desmon Meyer, B.S., M.S.	Fourth Grade
Ellen C. Mockler, B.A., M.A.	Second Grade
Martha G. Mulligan, B.S., Ed.M.	Fifth Grade
Dorothy J. Parks, B.S., Ed.M.	Seventh Grade
Viola Dohrman Pierce, B.S. in Ed., M.S.	Sixth Grade
Ruth R. Reiman, B.S., Ed.M.	Eighth Grade
Edna M. Shaw, B.S. in Ed.	Kindergarten

Administrative Personnel

Kathryn S. Graham	Secretary to the President
Harry W. Curtin	Custodian of Buildings and Grounds
Rosemary Fornes	Secretary to the Dean
Monica M. Gensbittel, B.S.	Library Assistant
Malvin Vitriol, A.B., B.L.S.	Library Assistant
June Halton Truesdale, B.S.	Placement Secretary

Stenographic and Clerical Personnel

Gloria Barone	Stenographer
Carol V. Barreca	Stenographer
Jane M. Brewington, B.S.	Vari-Type Operator
Sylvia Chaplin	Stenographer
Berdena C. Dolberg	Stenographer
Eleanor N. Ellis	Typist
Jane M. Evans	Stenographer
Eva L. Ferry	Account Clerk
Shirley Gambin	Stenographer
Jean E. Gassman	Senior Account Clerk
Patricia Golden Gerard	Stenographer
Josephine Missana Herman	Typist
Kathleen E. Herniman	Stenographer
Margel Holst	Stenographer
Marilyn Jones	Stenographer

Edith Levin	Stenographer
Sophie Levine	Clerk
Gloria Maas	Stenographer
Theresa M. Mackowiak	Stenographer
Elizabeth Butor Moyer	Telephone Operator
Eleanore Napieralski	Stenographer
Sally M. Nowocin	Stenographer
Jane DiAddario Pauli	Senior Stenographer
Lucy Rackl Pfister	Stenographer
Betty M. Rupprecht	Senior Account Clerk
Sylvia Saglian	Stenographer
Roberta Sandstone	Stenographer
Janie Spencer	Telephone Operator
Mildred Wieland Stalbird	Stenographer
Anna Tiberia	Stenographer
Ruth B. Walleshauser	Stenographer

Faculty-Student Association Personnel

Joseph P. Cannamela	Manager of Food Services
Clarence Brawn	Corporation Supervising Accountant
Charlot Moehlau Fetterman, B.S.	Manager of College Bookstore
Marietta Rindone Ferro	Assistant Manager of College Bookstore
Dorothy Dettman Measer	Assistant in College Bookstore
Alice Wolf Weikel	Assistant in Art Supply Store
Lillian Jordan McKenneth	House Director of Pioneer Hall
Marie V. Fiorella	Bookkeeper
Elaine Kourelis	Bookkeeper
Shirley Wolfer	Stenographer

OBJECTIVES OF THE COLLEGE

The State University of New York College for Teachers at Buffalo, established and maintained by the State of New York, is under the jurisdiction and control of the State University Board of Trustees, the President of the State University, and the Local Council of the College. It achieves its primary purpose, the education of teachers for the public schools of New York State, by observing the following objectives:

- a. To give the student a broad cultural background in the principal fields of organized knowledge.
- b. To give the student a mastery of the field to be taught and a supporting knowledge of related fields.
- c. To help the student understand the important position of the teacher in the relationship between education and society.
- d. To aid the student to develop a personality that will prepare him for leadership in the school and the community.
- e. To help the student acquire a knowledge of child growth and development.
- f. To help the student understand and master the professional knowledge and skills needed for successful teaching.
- g. To encourage the student to develop a guiding philosophy of education and of life.

CURRICULA

The curricula offered by the college are:

tary Education Curriculum leading to certification for teaching in nursery school, kindergarten and the primary grades. Additional work will extend the certification to all grades of the elementary school.

1. **Art Education:** a four-year curriculum leading to the degree of Bachelor of Science preparing teachers and supervisors of Art in the elementary and secondary schools of New York State.

2. **Early Childhood Education:** a specialization within the Elementary

3. **Early Secondary Education:** a specialization within the Elementary Education Curriculum leading to certification for teaching in grades seven, eight and nine of a junior high school; begun in undergraduate study and completed by taking thirty or more semester hours of graduate study.

4. **Elementary Education:** a four-year curriculum leading to the degree of Bachelor of Science for teaching in the elementary schools of New York State (kindergarten through grade eight).

5. **Education for Exceptional Children:** an extension of the Elementary Education Curriculum leading to certification for teaching in the elementary grades and in one of the following areas: orthopedically handicapped, hard of hearing, impaired vision, speech correction, and mentally retarded.

6. **Elementary School Administration or Supervision:** a program in the Elementary Education leading to certification as an elementary school principal or supervisor. This curriculum may begin on the undergraduate level and be completed in the Graduate Division.

7. **Home Economics:** a four-year curriculum leading to the degree

of Bachelor of Science for teachers of Homemaking in the elementary and secondary schools of New York State.

8. **Industrial Arts:** a four-year curriculum leading to the degree of Bachelor of Science for teachers of Industrial Arts in the elementary and secondary schools of New York State.

9. **Graduate:** a program leading to the degree of Master of Science, in the areas of administration and supervision, Art Education, Education for Exceptional Children, Elementary Education, Industrial Arts and Home Economics.

THE CAMPUS AND BUILDINGS

The College, with a campus of over fifty acres, located on Elmwood Avenue opposite Delaware Park in the city of Buffalo, consists of twelve buildings: Administration Building, President's Residence, Campus School, Gymnasium, Vocational Building, Temporary Classroom Building, Temporary Shop Building, College Union, Pioneer Hall, West Hall, North Hall, and the Edward H. Butler Library.

The Administration Building of Georgian Colonial design, facing Elmwood Avenue and Delaware Park, contains the offices of the President, Dean of the College, Registrar, Financial Secretary, Dean of Students, Director of Graduate Division, Director of Elementary Education and Director of Art Education. It includes Admissions Office, Placement Office, Summer Session Office, Public Relations Office, Audio-Visual Office, Child Study Center, Health Center, classrooms and studios.

The Vocational Building, containing the offices of the Director of Home Economics and Director of Industrial Arts, includes numerous classrooms, laboratories and shops.

The Campus School contains the offices of the Principal and the Director of Education for Exceptional Children, and houses the Campus elementary school which serves as a teacher-education laboratory.

The Edward H. Butler Library, named in memory of a past president of the former Board of Visitors, contains the office of the College Librarian and houses the extensive book and periodical collection of the College.

The College Union contains the offices of the Assistant Deans of Students (Housing and Student Activities), Manager of Food Services, and Faculty-Student Association, and the Bookstore, and provides complete recreational facilities for the students, including the Alumni Lounge, Music Rooms, Activity Rooms, Game Room, Snack Bar and Dining Room.

North Hall, West Hall and Pioneer Hall furnish dormitory residence for women students.

The Gymnasium containing the office of the Director of Athletics provides facilities for the Health Education program of the College.

The Home Management House located near the College, at 5 Granger Place, provides residence for Home Economics seniors gaining first-hand experience in the care and management of a home.

The Buffalo metropolitan area provides many educational and recreational institutions and facilities: the Albright Art Gallery, the Buffalo Historical Museum, the McKinley Vocational High School, and the Erie County Technical Institute (located in the immediate neighborhood of the College), and the Buffalo Museum of Science, Kleinhans Music Hall,

the Buffalo and Erie County Libraries, the Studio Theater, Memorial Auditorium, Civic Stadium and O'Farrell Stadium (accessible by bus service).

The College is readily accessible by bus and car from all parts of the city and suburban areas, and is easily reached from railroad and bus terminals by following these procedures:

1. From the Blue Bus Terminal proceed two blocks west on Clinton Street to Main Street; take a West Utica bus northbound and transfer at Elmwood and West Utica to an Elmwood bus which comes direct to the College.

2. From the Greyhound Bus Terminal board the West Utica bus opposite the Terminal and transfer to the Elmwood bus at West Utica and Elmwood.

3. From the New York Central Station take the Terminal bus to Franklin and Court Streets and transfer to the Elmwood bus.

4. From the Lackawanna, Baltimore and Ohio, and Lehigh stations take a number eight bus to Swan Street, walk two blocks to Franklin Street and take the Elmwood Avenue bus.

ADMISSIONS

The Admissions Committee was established by the College to advise prospective students and their parents. Application materials are provided for those who are interested and arrangements made for campus visits and conferences. Applicants for admission, either as freshman students or as students with advanced standing, should be able to meet the following requirements and should proceed as outlined.

Freshman Requirements:

1. A high school diploma awarded upon the completion of a four year course of study, or a State High School Equivalency Diploma.
2. The completion of sixteen or more units of high school work. (No specified course requirements other than basic courses required for graduation from an approved high school.)
3. Applicants must be at least sixteen years of age.
4. Satisfactory high school grades. (Preference is given to those with a high school average above 75.)
5. Entrance Examinations as provided by the State University of New York.
6. A personal interview at a time and place arranged by the college admissions officer.
7. A health report submitted by the family physician on a State University Teachers College Medical Examination Form. (This report must indicate that the applicant is free from physical defects or diseases which would make him incapable of fulfilling the duties expected of a teacher.)

Applicants to the Art Education, Home Economics, or Industrial Arts Divisions should refer to appropriate sections of this catalog for more specific requirements. Final decision on an application is made on the basis of all of the above considerations.

Application Procedure:

1. Fill out first page of the application and submit it to the high school guidance counselor or principal who will complete and forward it to the College. Applications may be filed any time in the senior year of high school; preference will be given to those filed before May first (a supplementary report of final grades will be sent to the College by the high school principal.) Applications of those who have graduated from high school should contain the complete four-year record. Secure application from the high school principal or from the Chairman of Admissions, State University of New York, College for Teachers, Buffalo 22.
2. Take the State University Teachers College Entrance Examinations. (Information about the time and place of these examinations may be secured from the high school guidance counselor or principal.)
3. Submit the health report.
4. Request an appointment for a personal interview. (Generally, the College Admissions Committee schedules these for the applicants.)
5. Secure an Inventory Blank from the College, fill it out and return. (This report records your interests, aptitudes and achievements.)

Applicants accepted for admission are expected to be present on the opening day of the college year and will not be admitted thereafter except by special permission. Those unable to attend this opening session should notify the Chairman of Admissions. Those absent without permission relinquish their status to those on a waiting list. Rejected applicants who enter other institutions will not be eligible for transfer later to this college.

Applicants desiring to enter college at the beginning of the second semester should write directly to the Director of Admissions for complete information. Admissions at this time of the year depend upon circumstances and are not a regular occurrence.

Students With Advanced Standing:

1. Applicants for admission with advanced standing must apply to the Chairman of Admissions on an Advanced Credit Application Form which may be secured from his office.
2. Applicants must submit an official transcript* of all college work taken elsewhere and evidence of honorable dismissal. If the applicant is not admitted, the official transcript will be returned upon request, to the college issuing it.
3. Applicants must meet all general requirements including personal interview and health report.
4. Applicants of freshman and sophomore rank are required to take the State University Teachers College Entrance Examinations. All applicants transferring from other State University Teachers Colleges should have copies of their Entrance Examination scores sent to Buffalo from the college previously attended.
5. A graduate of the two or three-year Normal School Course applying for admission to the fourth-year class is required to file an application and have an official transcript of his record sent directly to: Registrar, State University of New York, College for Teachers, Buffalo 22.
6. All candidates for a degree must complete a minimum of one year of work (32 semester hours) in residence at the College. Candidates from other colleges offering three years of credit are required to complete all remaining work in residence. Extension and Summer Session credit earned in classes on campus, as well as credit earned in the Regular Session, is accepted in meeting the residence requirement.
7. To qualify for graduation, a candidate is required to earn an average grade of "C" or higher in all work completed in the College.

* An official transcript is one mailed directly from the college issuing it, to this college.

STUDENT EXPENSES

No tuition is charged to residents of New York State, but students from other states pay three hundred dollars each year. Several College fees and student collections are required of all students.

	First Semester	Second Semester	Total
Registration Fee	\$ 2.50	\$ 2.50	\$ 5.00
College Fee	15.00	15.00	30.00
*Student Association Collections	17.50	12.50	30.00
Insurance Premium	5.75	5.75	11.50
Total	\$40.75	\$35.75	\$76.50

Room and Board in College Residence Halls

	\$270.00	\$270.00	\$540.00
Board includes breakfast and dinner. Lunches average fifty cents in the cafeteria, adding approximately \$100.00 for the year. Room and board payments (subject to change if necessary) may be made in quarterly installments.			

Room and Board in Off-Campus Residences

These residences vary in cost from \$15.00 to \$25.00 per week depending upon facilities and location. See section on Student Residence for additional information.

Student Association Collections

The Student Association collects annually from students the Activity Tax, Athletic Tax, Camp Tax, Health Service Tax, and Insurance Premium in one combined charge. For 1954-55 this tax totaling \$41.50 was collected at Registration, \$23.25 the first semester and \$18.25 the second semester. Students entering the second semester will pay \$23.25. These funds are apportioned by Student Congress and the Faculty-Student Association.

1. The Activity Tax supports student publications, dramatic presentations, musical organizations, film showings and convocations.
2. The Athletic Tax supports a comprehensive intramural and varsity athletic program for men and women and admits students to all athletic events at the College.
3. The Camp Tax is used to develop, equip, and maintain the College Camp for student use.
4. The Health Service Tax helps to provide for health services including an annual physical examination, first-aid, consultations, and other essential health benefits.
5. The Accident and Sickness Insurance Premium of \$11.50 provides coverage all times during the college year, on or off campus, including athletic and camp activities.

* Varies according to budget costs.

STUDENT SERVICES

Office of the Dean of Students

The Staff of the Office of the Dean of Students consists of a Dean, two Associate Deans, two Assistant Deans, College Physician, Health Co-ordinator, College Nurse, Counselor, and Financial Aids Counselor.

This office engages in the following activities:

1. Co-ordinates the social and recreational program.
2. Provides student counseling services.
3. Supervises all housing and food services.
4. Administers the Veterans program.
5. Provides health services.
6. Administers the financial aids program.

The Student Personnel Services Council consisting of student and faculty representatives serves as an advisory and policy-making group to the Student Personnel Program.

STUDENT RESIDENCE

Residence for Women Students

North Hall and West Hall, opened in 1950, provide living accommodations for three hundred women students. Most rooms have facilities for two students; a few are equipped for single occupancy. Each is filled with beds, built-in wardrobes and dressers, and study desks. Laundry rooms with washers and driers are provided in both Halls.

Pioneer Hall, a Residence Hall for freshman women, contains large study-bedrooms equipped with double-deck beds, wardrobes, dressers, and study tables. Additional facilities for general use include living rooms, study rooms, and a laundry room with washers and a drier.

Students in all Halls provide their own bed linens, pillows, blankets, bedspreads, window draperies, study lamps, and irons. They have breakfast and dinner in the Dining Hall of the College Union. Lunch and snacks are available in the cafeterias and the Snack Bar. The fees for Residence Halls are listed under Student Expenses. Applications should be addressed to the Assistant Dean of Students in charge of the Residence Halls.

Off-campus residences for students in nearby private homes approved by the College supplement the facilities on campus. Some of these homes permit students to earn their maintenance. There are also some apartment facilities in which students cooperatively provide food and services for themselves. Inquiries regarding off-campus residence and requests to live with relatives other than parents, should be addressed to the Dean of Students.

Residence for Men Students

Men students living away from home are required to live in residences in the nearby area approved by the College. Many of these homes provide

excellent living conditions. While all men students live in separate off-campus residences, the College offers a unified campus life through the Union recreation program, the Men's Campus Club, fraternities, academic clubs, and religious groups. Information concerning housing for men can be secured from the Dean of Students.

Residence Registration

A statement of residence is required at the time of registration. No change can be made without prior approval of the Dean of Students. This regulation applies to both men and women students, including commuters and Buffalo residents.

HEALTH SERVICES

Health Facilities on Campus

The College maintains Student Health Service facilities in the Administration Building where first aid and general health services may be secured Monday through Friday, from 8:30 a.m. to 4:30 p.m. The College Physician is available for one hour, three afternoons a week.

Preadmission Health Requirements

The College requires all students to secure an examination by a physician, a chest x-ray, a urinalysis and a recent vaccination (within three years) prior to admission to the College.

The Campus Health Program

The College Health Services provide medical examinations without additional charge for all freshmen, transfer students and seniors, as well as for all athletes prior to their engaging in competitive sports, and in such other cases as are needed. Necessary laboratory tests are made whenever advisable. An annual chest x-ray provided free by the Buffalo and Erie County Tuberculosis Association on the College campus is required by all students without exception. Students failing to take and pass all health examinations will not be admitted to class.

Community Medical Resources

The College maintains a close relationship with hospitals and selected medical specialists in the community as an additional safeguard to the health of its students.

Charges for Health Program

A Health Service Tax, part of the Student Association Collections, helps maintain the health services provided for all students.

Insurance

All students must enroll in the Group Health and Accident Insurance Policy selected by the Student Association or present evidence of membership in some other satisfactory health and hospital insurance plan.

COUNSELING SERVICES

The Office of the Dean of Students provides individual and group counseling services for all students. Special referrals are made to other services on and off the campus for those needing them.

The Faculty Adviser Program

Each student meets several times during the year with his Faculty Adviser in individual conference and group sessions. The Adviser, well-informed of the progress and problems of the student, helps him develop personally and professionally.

Junior Counselors

Selected juniors serve as counselors to new students during their first year and help them adjust to college life. These Junior Counselors work in close cooperation with the Faculty Advisers of Freshman students.

Freshman Orientation

The first week of the autumn semester known as Orientation Week introduces the Freshman to college life, traditions, academic offerings, campus facilities, and student activities. As a concluding feature students are encouraged to attend College-sponsored week-end camps. A one-hour course, Orientation, offered the first semester informs students about the library, reading and study skills, social relationships, group leadership and parliamentary law.

STUDENT ACTIVITIES

The campus activities reflect the interests and needs of students. Some provide for cultural development, social relationships, leadership training, civic responsibilities and spiritual enrichment; others aid students to select hobbies, exercise special abilities, and grow professionally.

College Union

The College Union is the living room of the College, providing a warm and friendly atmosphere for the college campus, as well as a home for students living in the adjoining Residence Halls. It is the one place which unites the college community in social, educational, and cultural experiences. Here, the relationship between faculty and students is strengthened by informal associations within a social setting. The Union provides many opportunities for democratic living, for student leadership, for creative self-expression, and for the development of a mature sense of social responsibility.

Campus Traditions

Some student activities have been so long a part of the College life that they have become traditions.

Freshman Camps for Women and Camp for Men

Inter-class Sing

Faculty Reception for Freshmen

College Union Open House

Frosh-Soph Daze

Dramatic Productions

Friday Evening Film Showings

The Dean's Tea

Informal Friday evening dances

Formal Dances, Junior Prom, Senior Ball, Inter-sorority and Inter-fraternity Ball

Holly Hanging Festival

The State Fair

Inter-sorority Day

Leadership Conference

Alpha Tapping Ceremony

Home Economics Day

Parents Weekend

The Spring Musicals

Moving-Up Day

Alumni Day

Baccalaureate, Class Day and Commencement

Student Governing Groups

All students upon admission to the College become members of the College Student Association. The Student Congress, the governing body of the Association, serves as the agency for the expression of student opinion and coordinates college-wide programs.

Class Cabinets, consisting of officers from the senior, junior, sophomore, and freshman classes, constitute the planning and administrative boards of the student body.

North Hall, West Hall and Pioneer Hall have their own elected governing associations. The Residence Centers Council consists of representatives from all student residences including those off campus. This council meets monthly primarily to consider the opportunities and problems involved in dormitory and off-campus living. The council sponsors a variety of activities to supplement and enrich the regular college recreational program.

The College Union Board, a policy-making and planning agency, promotes social, cultural, and recreational facilities, services and programs for the campus community. Faculty, student and alumni representatives are elected to the board. The College Union program of activities is planned by the Union Activities Council made up of eight Activity Committee Chairmen.

Professional Groups

The Art Education Club for students of the Art Education Division is both professional and social. Activities of the club include the Annual Art Auction Sale, which not only promotes interest in owning original works but provides scholarship funds. The club sponsors professional trips to art meetings and galleries, including a trip to New York City. The club is a member of the Eastern Arts Association and the Committee on Art Education.

The Daniel Upton chapter of the Future Teachers of America studies professional aspects of teaching, organizes field trips to places of interest and is active in interesting high school seniors in teaching as a career. Local chapter members enroll in the New York State Teachers Association and the National Education Association.

The Home Economics Club, affiliated with the American and New York State Home Economics Associations provides for the development of leadership and participates in services to the College and the community by such activities as a "get acquainted" party, articles for newspapers, radio programs, and fashion shows.

The International Council for Exceptional Children is an affiliate of the international organization by the same name. Membership is open to college students interested in teaching children who are mentally handicapped, blind or partially sighted, deaf or hard-of-hearing, orthopedically handicapped or speech defective. Monthly meetings give the members opportunities to meet and talk with specialists in the field. Visits are made to special schools and residential institutions.

The Science Club, an organization for students of all departments having an interest in science activities and science in education, meets twice a month and promotes science activities of interest to members.

The Psychology Club, reflecting student interest in psychological experimentation, enables students through regular meetings to advance their studies in this field through panel discussions, lectures, and group projects.

The Industrial Arts Club promotes high standards and broadened interests in Industrial Arts education. A well-planned yearly program of social and educational activities includes industrial plant field trips, school

shop visitations, student discussions, guest speakers, sports nights, and social events.

Cultural Groups

Casting Hall, the student dramatic organization, produces several plays each year, some written by famous playwrights, others written by local students. It offers, in addition to opportunities for acting, experiences in costume and stage set design and construction. Its production of full-length plays given in the fall and spring draw enthusiastic audiences from the student body, the faculty, and the community.

A Capella Choir membership is determined by an audition, which emphasizes intonation, tone quality and musical ability. Concert engagements are presented annually including a pop concert with the Buffalo Philharmonic Orchestra, the Baccalaureate Service, and Commencement exercises.

Men's Glee Club membership is open to any man on campus who can qualify in an audition. The club participates in convocations, Spring Musicale, and other concerts on and off-campus.

Women's Glee Club membership is open to women students who qualify in an audition held at the beginning of each semester. This group performs for convocations, the Christmas play, local schools, Parent-Teacher Associations, and local churches.

Band membership is open to all students who can play an instrument satisfactorily. The band contributes to the life of the College through performance at convocation programs and athletic events. College-owned instruments are available for student use. Associated with the band is the Baton Twirlers group.

Orchestra membership is open to all students who can satisfactorily play an instrument. Try-outs are held at the beginning of each semester. Associated with the orchestra are other instrumental ensembles which provide opportunities for solo performances. College-owned instruments are available for student use.

Chi Alpha Pi offers students with special interest in history an additional opportunity for study and expression through special lectures, field trips, films and discussions.

The Foreign Language Club is open to all students with an appreciation of the languages, the customs, and the cultures of the peoples of the world. Its programs afford an opportunity for expression in dramatics, music, discussions and conversation.

The International Relations Club encourages students to broaden their interest in current world events and promotes international understanding in future teachers.

Nu Kappa Alpha, a debate and discussion organization, is open to students interested in participating in debate and discussion tournaments and activities on the campus and with other colleges.

Convocations held on selected Fridays throughout the year provide one of the few occasions when most of the students and the faculty can come together for a common purpose. The programs include recitals by the Buffalo Philharmonic Orchestra and other excellent musical groups, recog-

nized soloists, distinguished political commentators, literary personages, and other presentations carefully selected for a college audience. There are also student-produced plays, musical programs, and traditional events that together make a rich phase of college life.

Religious Groups

Canterbury Club, an organization of Episcopalians or other students interested in the Episcopal Church, holds Tuesday fellowship luncheons in the College Union and celebrates a service of Holy Communion once each month. The Rector of St. John's Church, Buffalo, acts as adviser to the group.

Hillel, an organization open to students interested in the Jewish faith, offers religious, cultural and social activities. Programs, including guest speakers, discussions, holiday ceremonies, music and folk dances, develop deeper understanding and appreciation of the Jewish heritage.

Inter-Varsity Christian Fellowship, an international and interdenominational organization active on college campuses the world over, emphasizes positive Christian living based on teachings from the Scriptures.

The Lutheran Student Association assists students in the study and appreciation of Lutheran doctrines and beliefs. It sponsors an active program of forum and fellowship meetings, study groups, retreat conferences, and service projects. The national L.S.A. participates in the United Student Christian Council and shares in the life of the World Student Christian Federation.

The Newman Club promotes the spiritual, intellectual and social interests of the Roman Catholic students. Its activities include study clubs, social activities, retreats, corporate communions, lectures, and joint meetings with the Newman Clubs of other colleges. The Newman Club is affiliated with the National Federation of College Catholic Clubs.

Student Christian Association offers fellowship to men and women of any sect, creed or denomination who seek to gain a broader understanding of the Christian faith. The Association demonstrates faith through action by stimulating serious thought through discussions, study groups, and conferences with students of other colleges.

The Council of Religious Clubs, serving as a co-ordinating group for the six religious organizations on campus, sponsors a number of activities each year, including a Religious Emphasis Week.

Honorary Groups

Alpha Honor Society composed of students from the two upper classes who have been outstanding in extra-curricular work encourages well-directed activities, promotes high standards in existing organizations, and recognizes effective leadership.

Chi Delta Phi is Beta Alpha chapter of the national honorary literary sorority. Its purposes include the study of contemporary literature and the evaluation of the writing of its members.

Epsilon Pi Tau is the Tau chapter of the national fraternity which limits its membership to Industrial Arts majors having an academic average in the upper half of their class. Its objectives are to promote research, to

provide desirable social experiences, and to recognize excellence in the crafts.

Kappa Delta Pi is the Gamma Mu chapter of the national society. Members must be at least of junior standing with six hours of credit in education courses and be in the upper quartile of the College. Candidates for membership must reveal exceptional interest in education by a letter submitted to the organization and must also manifest desirable personal traits and leadership qualifications.

Phi Upsilon Omicron is the Mu chapter of the national fraternity. Home Economics majors from the upper classes having achieved high scholastic records and having demonstrated professional leadership are selected as members. It provides for personal and professional development of its members.

Sigma Upsilon, the Alpha Delta chapter of the national fraternity, is open to all men of the College who have shown noteworthy accomplishment in the field of English.

Social Groups

Nine social-fraternal organizations on campus, three open to men, six open to women, select their members by invitation. A student must have maintained an academic average of "C" or higher through a minimum of three semesters to be eligible for initiation. These organizations develop leadership, fellowship, and scholarship among their members. The fraternities are Delta Kappa Alpha, Psi Beta Phi, and Sigma Tau Rho. The sororities are Alpha Sigma Pi, Delta Sigma Upsilon, Pi Kappa Rho, Sigma Lambda Phi, Sigma Sigma, and Tau Phi.

The Art Kraft Klub is a social and an art activity club. Membership is open to all interested college students who have demonstrated exceptional creative ability in works submitted to the club.

The Barrel Stavers Ski Club provides interested students with winter sports experiences including lessons on skiing and social activities.

Publications

College life is reflected and recorded by four publications, each edited by a student staff whose membership is open to all students.

The Record, the weekly newspaper, is published during the regular and summer sessions. It features current news of campus events and expresses student opinions on many issues, local, national, and international.

The Elms, the annual yearbook, published in June, contains a record of the Senior Class and College organizations.

The Elm Leaves, an annual literary magazine, published in May, contains selected creative writings of the students.

The Handbook, containing brief general information about the College and its programs, is published in September when it is most helpful to new students.

Outdoor and Camping Activities

The College Camp, one of the major recreational features of the College, consists of four hundred and thirty-five acres of rural landscape, partly

wooded, partly open, located in Cattaraugus County. Its hills and numerous ponds are ideal for skiing, skating, and other winter sports. Maple groves, wooded areas, open meadows, and streams make it a delightful summer recreation spot. An expansive lodge, equipped with large fireplaces, provides pleasant accommodations for fifty students for overnight or week-ends. The Camp, owned by the students and administered by the College Camp Board, is open for the use of all student groups and alumni.

Athletic Program

The College provides a balanced and extensive program of athletics for all students, including both varsity and intramural activities.

Varsity athletics include basketball, cross-country, golf, soccer, tennis, swimming, and track and field. College varsity teams have won numerous State Championships; their schedules include many of the leading colleges in the East.

Women's athletic activities include intramural competition in archery, basketball, badminton, bowling, soccer, softball, swimming, and volley ball. An opportunity is also given for participation in square dancing, modern dancing, fencing, and horseback-riding.

Intramural athletic activities for men include touch-football, cross-country, bowling, basketball, volleyball, swimming, softball, golf, tennis and horseshoes.

Through these sport activities students are able to win a College Letter, the College Key, or the College Blanket. All college athletics are coordinated by the Student Athletic Council and supported by the Athletic Tax. Students are admitted to all college sports events without additional cost.

Recreational Activities

The College provides an ongoing recreational program throughout the year centered in the Student Union. These activities are for the most part provided for by the Student Body Activity Collections without additional cost to students. They are varied in nature to provide for a wide range of interest. Some of these activities are as follows:

Union Open House—each semester, guests, dancing, music, cards, general social activities.

Sunday Afternoon Music Hours—serious music, light classics, jam sessions.

Film Showings—some on Friday evenings in auditorium for all students, others on Sunday for dormitory students and guests.

Fireside Sings—group singing around fireplace in Student Lounge.

Weekly Dances—dances with or without dates, some sponsored by student organizations.

Art Workshops—for groups or individuals to putter or work seriously and creatively.

Special Events—Smorgasboards, picnics, barbecues.

Sports Activities—all types—in gym or with equipment provided on Union Quadrangle.

Traditional Events—"Soph-Frosh-Daze"—"Holly Hanging"—"Moving-Up Day."

FINANCIAL AIDS

Part-Time Employment

The Student Part-Time Employment Service enables students to meet some of their expenses through part-time work either on campus or in the community. Only those who seriously need the income are expected to take on this additional work. Twenty-eight hours of employment is the maximum that will be approved.

Some nearby homes permit students to work three hours per day (21 hours per week) in return for room and board (including lunches), plus \$3 per week.

Inquiries should be directed to the Financial Aids Counselor.

Scholarships

High school graduates interested in attending the college have a variety of scholarships available to them. There are available at the present time 1654 Regents scholarships, with ten scholarships going to each Assembly District, providing \$350 a year for four years, and 100 scholarships for children of deceased or disabled veterans with a value of \$450 a year for four years.

State War Service Scholarship. This scholarship, given by the State of New York, to veterans passing an examination providing tuition and fees for full-time study not to exceed \$350 per year for four years. It is not given in addition to any other benefits, State or Federal.

War Orphans Scholarship. Candidates for this scholarship, selected by a competitive examination must be a son or a daughter of a veteran who has died or is disabled. The benefits include payment toward tuition not to exceed \$100 per year and an additional sum of \$100 per year toward maintenance.

Anyone interested in any of the above-mentioned scholarships should consult his high school principal or write to the State Education Department, Albany, New York.

Jenkins Memorial Scholarship Fund. This scholarship was established by the New York State Congress of Parents and Teachers. Each year this fund awards seven \$1,200 scholarships payable in installments of \$300 per year for a four-year period to young men or women preparing to teach in the elementary schools of the State. Scholarships are awarded on the basis of character, personality, scholastic achievement, potential teaching ability and sound health. Interested high school seniors should confer with their principal or the president of the local Parent-Teachers Association.

Alumni Scholarships. An annual award of \$100 established by the College Alumni Association in 1952 is extended to one or more students with an outstanding high school record who have financial need. The recipients are selected from those recommended by the coordinator of Field Services and a Faculty Committee.

Art Education Club Scholarships. Each year since 1948 several outstanding Art students in financial need are provided with full or partial-tuition scholarships by the Art Education Club. The recipients are judged on the quality of Art work submitted to the Art Education Division.

Art Kraft Klub Scholarship. Each year since 1936 an Art Division freshman is selected by a student committee from the Art Kraft Klub for having demonstrated outstanding art ability and receives a scholarship of \$100.

Daniel Upton-Sigma Sigma Sigma Scholarship. An annual award of \$100 was established by the College chapter of Sigma Sigma Sigma sorority, to honor Dr. Daniel Upton, a former principal of the Buffalo Normal School. It is granted to a woman student in financial need in the junior class, not a member of a sorority, who has given outstanding service to the College. The scholarship is awarded by a committee of the sorority and the Associate Dean of Students.

Luella Chapman Scholarship. Annually since 1931 a fifty-dollar scholarship has been given anonymously to a woman student of high character and leadership, in financial need, by Alpha Sigma Tau sorority. The student is selected by a committee composed of the faculty adviser of the sorority and the Associate Dean of Students.

Raymond M. Fretz Scholarship. This scholarship, established in 1952 by the Delta Kappa Fraternity to honor the former Dean of Men, awards fifty dollars annually to each of two students selected for their outstanding citizenship and scholarship.

Wheelock Scholarship. An award of fifty dollars is granted annually since 1931 by the Association of Secondary School Principals to a male student in the junior class who shows promise of becoming an outstanding elementary school teacher. The candidate, selected by a committee of the association and the Dean of Students, attends the annual meeting of the State Association of Secondary School Principals.

Grace A. Powell Home Bureau Scholarship. This scholarship is awarded annually to a Home Economics student by a committee composed of members of the Home Economics Division faculty and representatives of the New York State Federation of Home Bureaus. It consists of the income from an investment of \$5,000 given to the College by the New York State Federation of Home Bureaus in December 1953.

John R. Crespi Scholarship. This scholarship of one hundred dollars, named in honor of his father, was presented to the College in 1954 by David E. Crespi, Class of January 1951. It will be awarded to a sophomore student in financial need who has achieved a scholastic rating of B or better, on the basis of recommendations from the Awards Committee of the Student Personnel Council to the President of the College.

Awards

Alpha Sigma Alpha Award for Scholarship. This award, established in 1950 by The Buffalo Alumnae Chapter of Alpha Sigma Alpha Sorority, is given to the graduating senior with the highest scholastic standing through four years in college. The recipient, who receives a certificate and a fifty-dollar Government Bond, is selected by the chairman of Alpha Sigma Alpha Sorority after conferring with the College Registrar.

Bishop Honor Award. In 1924 Zeta Chapter of Arethusa Sorority, which later became Delta Sigma Epsilon Sorority, established this award consisting of a silver medal which is presented to a senior woman chosen for outstanding scholarship, leadership and character by a committee of faculty,

students and the Associate Dean of Students. Nominees are selected by the senior class.

Delta Kappa Award for Character, Leadership and Scholarship. This Gold Medal Award, established in 1935 by Delta Kappa Fraternity, is presented to a male senior who is chosen by a Faculty Committee for outstanding character, leadership and scholarship.

Delta Kappa Award. This statuette trophy first given in 1935 by Delta Kappa Fraternity is presented to a male senior who is selected as the most outstanding individual in intramural and varsity sports by a Faculty Committee.

Hispania Medal. This medal first awarded at Buffalo in 1952 is presented annually by the American Association of Teachers of Spanish. This medal is presented to one or two students for scholastic achievement in Spanish. The selection is made by a committee of three faculty members.

Phi Upsilon Omicron Award in Home Economics. This award, a beautiful useful article made of silver engraved with the recipient's name, has been presented each year since 1951 by the Buffalo Alumnae Chapter of Phi Upsilon Omicron to a Home Economics senior who has shown excellence in student teaching and who shows promise of outstanding success in professional life. A committee of the Alumnae Chapter of Phi Upsilon Omicron selects the recipient from nominees supplied by the Home Economics faculty and senior class.

Psi Beta Phi Individual Sports Awards. Seven gold statuette awards established in 1930 by Psi Beta Phi Fraternity are presented to students selected by the student body for outstanding performance in each of the following sports: basketball, cross country, golf, soccer, swimming, tennis and track.

Ruth Elliott Houston Honor Award. This award, established in 1953 by the Women's Athletic Association in honor of the former Director of Health and Physical Education, is granted to the senior woman who is judged most outstanding in leadership, scholarship and participation in women's health and physical education activities. The recipient is selected by the Health and Physical Education Department from nominations submitted by the Women's Athletic Association and awarded a cup with her name and the year engraved on it.

Walter B. Weber Honor Award. This award, a gold key, established in 1949 in honor of a retired faculty member is presented to a senior in Industrial Arts who has demonstrated outstanding personal growth, leadership and scholarship. Nominations for this award are made by a committee appointed by Sigma Tau Gamma Fraternity, and the final selection is made by the Director of the Industrial Arts Division and a Sigma Tau Gamma Committee.

Women's Athletic Association Awards. These awards, established in 1943 by Ruth Houston, Gertrude Roach and a committee of students, are given for participation in extra-curricular sports: archery, bowling, cheerleading, dancing, fencing, golf, basketball, softball and swimming. The first award, a three-inch block "S" in orange and black felt is given for the accumulation of 500 points. The second award, a six-inch block "S" in orange and black chenille is given for the accumulation of 1,500 points. The third award, a gold "S" key is given for the accumulation of 2,000 points.

Psi Beta Phi Athletic Award. This award, in the form of a cup, is given annually by Psi Beta Phi Fraternity to the girl who has accumulated the most points in athletic competition during the year.

Loan Funds

Alumni Association Loan Fund. This fund established in 1912 by the College Alumni Association, permits junior and senior students to obtain loans of various amounts depending upon need. These loans are made on the recommendation of a sub-committee of the Executive Committee and of the Association. Additional information can be secured from the office of the Dean of Students.

Elizabeth C. Lange Student Loan Fund. This loan fund was established in 1925 by graduates of the Home Economics Division as a memorial to the first Director of Home Economics. Home Economics students other than freshmen may borrow up to one hundred dollars without interest for a maximum of two years' duration if recommended by a faculty committee. Applications are made through the Home Economics Division.

Faculty Wives Club Emergency Loan Fund. This loan fund, established in 1951 by the Faculty Wives Club, to assist students in an emergency financial need, provides short-term loans up to thirty-five dollars through recommendation from the Dean of Students.

Faculty Wives Loan Fund. This fund, established by the Faculty Wives Club to assist students in financial need, provides interest-free loans up to one hundred dollars. Application must be made through the Office of the Dean of Students.

Memorial Student Aid Fund. In 1953 the Office of the Dean of Students established this fund from memorial gifts for students who are in emergency financial need. All loans are made on a short-term basis through the Office of the Dean of Students.

EDUCATIONAL SERVICES

Accelerated Program

The College recognizing the serious need for elementary teachers offers an accelerated program of study enabling capable students to complete the regular four-year course in three calendar years (three ten-month academic years and three eight-weeks Summer Sessions). Students in this program pay no tuition for Summer Sessions.

Intensive Teacher Training Program

Graduates of liberal arts colleges, through the Intensive Teacher Training Program can be certified to teach in the elementary schools: first, by completing one summer in the program which grants them a one-year certificate extended annually by attendance at Summer Session; second, by demonstrating satisfactory teaching ability in a public school position; and third, by completing thirty semester hours of credit (applicable to the Master's degree), which grants the permanent elementary school certificate. Interested liberal arts graduates should write to Director, Graduate Division.

Extension Program

The Extension Program offers late afternoon, evening, and Saturday morning classes on the College campus during the academic year. Graduate and undergraduate courses are available in the areas of Art Education, Education for Exceptional Children, Elementary Education, Home Economics, and Industrial Arts.

Courses in off-campus centers are offered during afternoons or evenings of the school week, if a sufficient demand arises and College faculty members are available. Requests should be made in the spring, for fall and winter off-campus classes so they can be placed on the program and printed in the Extension Bulletin. Interested applicants should write to Director of Extension for information and the Extension Bulletin.

Summer Session

The Summer Session extending from July 5 to August 12, 1955 will offer more than seventy-five graduate and undergraduate courses and include a Reading Clinic, Science Camp, and a center for International Education at Geneva, Switzerland.

The Graduate Program, leading to a Master of Science offers work in five areas: Art Education, Education for Exceptional Children, Elementary Education, Home Economics, and Industrial Arts. An Intensive Teacher Training Program (for graduates of liberal arts colleges) and special courses in administration and supervision are provided for those interested. Details may be secured from Director of Graduate Division.

The Undergraduate Program is planned for teachers working toward the Bachelor's Degree or desiring special courses, and for Regular Session students accelerating their program or taking courses they need. Provision is made for Kindergarten Education, Reading Clinic, Education for Exceptional Children, Elementary School Science, Visual Education and Crafts. Courses in Home Economics and Industrial Arts are given when there is sufficient demand.

The undergraduate fee is \$10.00 per credit hour (out-of-state students

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pay \$12.50 per credit hour, graduate or undergraduate). A College Fee of \$1.00 per credit hour (maximum \$6.00) and an Activity Tax of \$1.00 are collected.

Request Summer Session Catalog from Director of Summer Session.

College Placement Service

The Placement Office, providing twelve-month service, assists graduating students to secure desirable teaching situations and experienced teachers to obtain positions representing professional advancement. It maintains a complete record of graduates and an up-to-date file of credentials for the use of the Placement Committee (Directors of Divisions and Director of Education, Harry J. Steel, Chairman).

Alumni Relations Program

The Alumni Association, a coordinating agency for all Alumni affairs, maintains a record file of all graduates (in charge of the College Registrar, Miss Mary M. May). The Association sponsors annual activities such as Homecoming Basketball Game in January, Alumni performance of the Spring Play, and Alumni Weekend in June. It regularly supports a Scholarship Fund (available to incoming freshmen) and publishes bulletins periodically to keep the alumni informed of Association activities and campus developments.

Campus School

The Campus School housing over four hundred and sixty children (nursery school three-year-olds to eighth graders) with a faculty of twenty-eight, provides laboratory experiences for student teachers and participants, in an elementary school program based upon the child development concept of education. College students use the school to observe children and teachers at work in a variety of situations including a home economics laboratory, art studio, industrial arts shop, science laboratory, gymnasium-auditorium, library, health clinic, and general classrooms.

Child Study Center

The Child Study Center provides specialized facilities for the observation and demonstration of child study techniques, for research and study in child development, and for the observation of deviate children (mentally gifted or retarded, emotionally disturbed, physically and socially handicapped). Faculty and students can study the learning processes of the usual and deviate child, the diagnostic methods for the evaluation of pupil problems, and the referral procedures for children in need of specialized help.

The objectives of the Child Study Center are to provide: a better understanding of children; a capacity to recognize emotional maladjustments and their effect upon the learning process; an awareness of the educational implications of physical, social and intellectual developments; and a knowledge of the kind of help needed in diagnosing and prescribing therapy.

The facilities of the Child Study Center include a room where children can play, work, or be interviewed; an observation room equipped with one-way glass through which college students or faculty may study the children's behavior or responses; and offices for counseling, conferences and records.

Library Facilities

A collection of 50,000 volumes and over 400 current periodicals is accessible from open shelves in the Edward H. Butler Library. The Reference Reading Room, the Reserve Book Room, and the Recreational Reading Room afford areas for study and cultural reading by individuals or groups. Recordings on musical and non-musical subjects are available for music appreciation, speech classes, and recreational listening. The microfilm editions of The New York Times and a microcard collection of out-of-print materials, are available for reading with the necessary specialized equipment. Additional books and materials from the State Library at Albany are secured through inter-library loans. Special exhibits and coffee hours, featuring addresses on topics of current interest are prepared by the Library Staff and the College Exhibit Committee.

The Laboratory of Instructional Materials, on the second floor of the Library provides a variety of materials of value to student teachers including story books, textbooks, slides, records, filmstrips, pictures, maps, and posters.

The Campus School Library contains more than 5,000 children's books, film-strips, recordings, pictures and other materials of value to the pupils and teachers. Weekly instruction in the use of the library and occasional story hours are provided by the Librarian.

Members of the freshman class are introduced to the use of the Library by the Staff during Orientation Week and in Orientation classes. Later, in Freshman Composition class, they are informed concerning library facilities, the card catalog, periodical indexes, and the reference shelf. Through special arrangements, upper class groups are given advanced information concerning the use of the Library, and student teachers and participants are instructed in the professional use of the Laboratory of Instructional Materials.

Audio-Visual Facilities

Motion picture projectors and other equipment located in twelve areas of the college provide for the audio-visual needs of the instructional program. Films, slides, tapes and specialized equipment are available from the Audio-Visual Office which coordinates the program, maintains the film library and provides necessary advisory services. A Radio Studio and a Photographic Laboratory maintain technical facilities and equipment for instructional and production requirements. Supplemental audio-visual materials are secured from museums, art galleries, industrial organizations and film libraries of other universities. Feature films of exceptional literary, historical and educational values are shown on selected Friday evenings throughout the year. Daily television programs of the College over station WBEN-TV are coordinated through the Audio-Visual Office and a faculty Television Committee.

EDWARD H. BUTLER LIBRARY
STATE UNIVERSITY COLLEGE
1000 ELMWOOD AVENUE
BUFFALO, N. Y. 14222

ACADEMIC REGULATIONS

Grading System

The following grades are used by the faculty of the College to indicate the quality of work performed by students:

- A—Superior work
- B—Work above average
- C—Average work
- D—Work below average, but passing
- E—Failure
- S—Satisfactory
- U—Unsatisfactory
- W—Official withdrawal
- X—Abandoned total program or unofficial withdrawal
- W.R.—Withdrawal by request
- N.C.—No credit
- Inc.—Work incomplete because of justifiable absence from class or failure to take final examination because of unavoidable circumstances.

Quality Point System

The following quality point system is used in determining averages:

- For each hour of A: 4 quality points
- For each hour of B: 3 quality points
- For each hour of C: 2 quality points
- For each hour of D: 1 quality point
- For each hour of E: 0 quality points
- No other grades have quality point value

The quality point average is determined by dividing the total number of quality points earned by the total number of semester hours scheduled or completed. When a course is repeated, the second grade received is used in computing the average.

The grades of S and U and semester hour credits earned in student teaching will not be included in determining a student's quality point average since they will have no quality point value.

Unit of Credit

The semester hour is the unit of credit in courses. It represents the satisfactory completion of a class period per week, with all required preparation, for one semester. A course having three class periods a week will therefore earn three semester hours credit. Studio, laboratory, and shop classes usually earn one credit for each two hours of attendance unless otherwise indicated. Two or more hours of preparation for each class hour is the accepted college standard for student study.

Semester Hour Load of a Student

Fifteen to seventeen semester hours of credit is the regular or normal load of a student for a semester. A schedule of more than seventeen hours or less than twelve requires special permission from Director of the division. These permits must be filed with the Registrar. An eighteen semester

hour load may be scheduled without special permission if the student's accumulative average is 2.25 or more, or if his schedule includes one semester hour for participation in a music organization.

The Dean's List

The Dean's List is an honor roll of all students whose scholastic records place them in the upper ten per cent of the student body. The list, issued at the end of each semester, is based on the quality point average earned during the two previous semesters (a minimum of thirty semester credit hours). A student's status on this list will not be affected by his student teaching grade.

Requirement for Graduation

All students must complete the prescribed curriculum of the division in which they are registered with an average grade of C or higher (a quality point average of 2.00 or higher). A grade of S in Student Teaching must be earned before a student will be recommended for graduation.

A total of 128 semester hours credit is required for graduation. A minimum of 32 semester hours, including the last 16 hours of the student's work, must be completed in residence.

Application for Graduation

Students expecting to qualify for degrees in January or June are required to make application in the Registrar's Office by November 1 of the same academic year. Those completing the requirements for a degree during Summer Session must apply by August 1. Diplomas will be ordered only for students who follow these procedures.

Academic Probation

Students will be placed on probation status in accordance to the following classifications and regulations:

1. Probation

- a. assigned for failure to maintain a C average (2.00) for two successive semesters.
- b. assigned when an average for any one semester is between the range of 1.125 to 1.00.

2. Final Probation

- a. assigned for failure to maintain a C average (2.00) for the semester in which a student is on Probation.
- b. assigned when an average for any one semester is below 1.00.

Failure to earn a C average (2.00) or to pass all courses undertaken during a semester in which the student is on Probation shall bring his name before the Scholarship Committee for special consideration. He may be requested to withdraw or may be granted another probationary period known as Final Probation. No student on Final Probation will be permitted to appear publicly in any organization or activity of the College.

Failure to earn a C average (2.00) or to pass all courses undertaken during a semester on Final Probation shall result in dismissal from the college. A petition for special consideration may be filed by the student

with the Scholarship Committee through the Director of the division.

Social Probation

A student violating accepted social practices of the campus will be placed on Social Probation and will receive special counseling services from the Office of the Dean of Students. While on probation he is ineligible to hold office in any campus organization, to serve as chairman of any committee, to play on any college team, or to represent the College in any public or inter-collegiate activity.

A student involved in a minor social conduct offense will be placed on a Warning Status. This action will not be entered on his permanent record nor prevent him from participating in college activities if he improves in his behavior and attitude.

Dismissal

A student may be dismissed from the College for any one or more of the following reasons:

1. Failing a required subject for the third time
2. Failing one-half or more of a semester's work
3. Failure to meet the requirements of the probation regulations
4. Failure to cooperate in carrying out the policies and regulations of the college
5. Conduct of an unacceptable nature
6. Social and emotional adjustment unacceptable to the profession.

Special Requests

Requests for special privileges relating to academic matters such as extra hours of work, deviations from the prescribed curriculum, credit transfer from other institutions, special examinations, Extension and Summer Session work, and changes in program are to be made to the Director of the division or the Dean of the College.

Special Examinations

Special examinations are scheduled early in the semester for those students who have missed the regular examinations of the preceding semester for reasons considered acceptable by the instructor.

Students absent from regular final examinations for reasons unacceptable to the instructor may be permitted to take the next regular examinations if their former class work justifies the privilege.

Incompletes on the record of a student, who is re-admitted following a leave of absence or official withdrawal, should be removed within the semester in which he returns to college. Such student should consult the Dean to arrange for a special examination.

Attendance Regulations

1. Attendance at classes and other college appointments is required. A student's schedule constitutes a series of obligated appointments.
2. Following an absence the student is expected to furnish a satisfactory excuse to his instructors. He should also recognize the educational loss to himself and supplement it by fulfilling all assignments that were missed.
3. Students absent for more than one week for personal illness must

get a clearance statement from the Student Health Service Office before re-entering classes.

4. Excessive or chronic tardiness will not be tolerated.

5. A student may be excluded from a course if the instructor considers absences and tardiness to be too frequent for acceptable achievement.

Withdrawals and Honorable Dismissals

Students finding it necessary to withdraw from college should do so officially to maintain good standing to insure later readmission or honorable dismissal. Withdrawal should proceed as follows:

- a. Consult the Director of the division and obtain a Recommendation Slip.
- b. Present to the Dean of the College the Recommendation Slip and obtain an Official Withdrawal Permit.
- c. File the Permit with the Registrar for official cancellation of courses.

Where it is impossible to do this in person, it should be done by a letter signed by the student or a parent.

Transcripts of Record

Transcripts of record are not issued to students, either undergraduate or graduate, but will be forwarded upon request to educational authorities whom the students may designate. No charge is made for the first transcript, but a charge of \$1.00 is made for each additional transcript. No charge is made to men and women in the armed services.

Students should make application for transcripts several weeks in advance of the date needed.

Registration

All students are required to register on the dates announced by the Registrar. They must observe the procedures specified at that time. Registration after these dates should have prior approval or must be accompanied by an acceptable reason for the delay. A late registration fee (one dollar per day, maximum of three dollars) is assessed for this privilege. Registration delayed more than one week requires special permission from the Dean of the College and may result in a reduction of schedule load for the semester.

A student is not officially enrolled until he has completed all the requirements of registration.

Repeated Courses

Students may repeat courses regardless of prior grades, if approved by faculty advisor or the Director of the division. The grade received in repeating a course supersedes all previous grades and is credited only in the semester in which it was taken. This in no way affects the quality point average of the semester in which the previous grade was granted.

Cancellation of a Course

If a student finds it necessary to drop a course he should observe the following procedures to make the withdrawal official:

- a. Secure a written recommendation from the Director of the division
- b. Present this to the Dean of the College for an official Cancellation Permit
- c. File this with the Registrar

Dropping a course without official withdrawal procedure will result in a grade of "E." A grade of E is prescribed for withdrawal from a course after the middle of the semester unless special consideration is granted by the Dean of the College.

Credit for Educational Experience in Military Service

College credit may be granted for educational experience received in military service, specialty schools, technical training schools and basic training programs. Evaluation of such experience will be made in terms of its relation to the degree requirements of the College and the recommendations suggested by the American Council on Education Credit Manual. Request for such credit should be addressed to the Military Affairs Counselor, Office of the Dean of Students.

ART DIVISION

Stanley A. Czurlles, Director

Professors Busa, Conant, Hubler, Winebrenner; Associate Professors Baxter, Bolinsky, Dakin, Heyman, Karcher, Lindemann, Lofgren, Tetkowski, Truesdale; Assistant Professors Ahrens, Case, Hoffa, Jiskra, Massing, O'Connell, Stark.

Graduates of the Art Education Division receive the degree of Bachelor of Science and are certified to teach art in the elementary, junior, and senior high schools of New York State. They may hold positions as teachers, supervisors, or consultants. A graduate curriculum leads to the degree of Master of Science.

No particular pattern of high school art courses is required for admission, but candidates are expected to have special interest and ability in art revealed in superior grades in high school art courses, or displayed by participation in other creative activities. General requirements for admission are explained in the catalog section on Admissions.

The student becoming a teacher-artist-citizen by progressing through the art curriculum, develops expressive and creative powers, an ability to teach and a knowledge of the use of art in the community. Aided by faculty advisement, he grows in ability to evaluate his professional progress and to plan the program of specialization for his senior year based upon his interests and abilities. Part of his college work takes him into the Buffalo metropolitan community to participate in the solution of various problems such as those to be found in housing, communications, industry, recreation, and education. He is encouraged to attend educational conferences where he meets outstanding members of his profession and authorities on Art education.

The College provides extensive facilities for the Art Education program including fourteen studios for a wide variety of art activities including painting, photography, lithography, etching, sculpture, industrial design, theatre design, crafts, home planning and jewelry.

The nearby Albright Art Gallery with its permanent collection and exhibits from other cities and countries affords first-hand opportunities to study original works of art: its educational services and lecture series enable students to meet persons distinguished in art.

No special fees are charged to art students; they pay the same fees and charges required of other students, which are approximately \$75.00 per year. The cost of art supplies and books is about \$140.00 a year.

Scholarships available to students of all Divisions are explained beginning on page 35. No scholarships are available exclusively to entering Art Education students but the Art Education Club Scholarships, and the Art Kraft Klub Scholarships are available after the freshman year.

ADVANCED STANDING AND CERTIFICATION

Applicants for admission to advanced standing (including college graduates and others interested in certification only) will be informed of the course requirements for the degree or certification after their transcripts and examples of art work are evaluated.

ART EDUCATION CURRICULUM

FIRST YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Art 149-150 Field Studies in Art.....	2	1	2	1
Art 151-152 Introduction to Art and Education	6	3	6	3
Art 153-154 Introduction to Design.....	10	5	10	5
Eng. 101 English Composition	3	3	.....	.....
Eng. 102 Fundamentals of Speech.....	.....	.....	3	3
Ed. 102 Child Development	4	3	.....	.....
Mus. 110 Music in Living.....	.....	.....	4	3
H. Ed. 201 Health Education.....	.....	.....	2	2
Orientation and Library.....	1	.....	.....	.....
Physical Education Activities.....	2	.....	2	.....
Advisement	1	.....	1	.....
Total hours	29	15	30	17

SECOND YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Art 251-252 Drawing and Painting.....	8	4	8	4
Art 253 Crafts	7	3½	.....	.....
Art 254 Design Workshop .....	.....	.....	5	2½
Art 255 Study of Child Art.....	4	2	.....	.....
Art 256 Art in Everyday Life.....	.....	.....	7	3½
Art 257 Lettering and Layout.....	3	1½	.....	.....
Eng. 205 General Literature.....	.....	.....	3	3
Ed. 101 Child Development.....	4	3	.....	.....
Sci. 240 Art Ed. Biology.....	.....	.....	4	3
S.S. 157 Man: His Culture, Society and Values	3	3	.....	.....
Advisement	1	.....	1	.....
Total hours	30	17	28	16

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
S.S. 357 Modern Man: His Intellectual and Social Heritage	3	3	.....	.....
Art 353 Advanced Design Studio.....	8	4	.....	.....
Art 355 Art in Human Affairs.....	2	2	.....	.....
Art 351 Pre-Teaching Workshop	4	2	.....	.....
Art 360 Student Teaching I.....	.....	.....	15	7
*Art 352 Student Teaching Workshop.....	.....	.....	4	2
Sci. 350 Introduction to Physical Science.....	.....	.....	4	3
Non-Art Electives	6	6	.....	.....
*Art Electives .....	.....	.....	4-8	2-4
Total hours	23	17	27	14

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Art 451 Student Teaching II.....	15	8	.....	.....
S.S. 457 Contemporary Man: The Individual in the 20th Century.....	3	3	.....	.....
*Art 352 Student Teaching Workshop.....	4	2	.....	.....
Art 452 Post-Teaching Seminar .....	.....	.....	2	1
Art 456 Contemporary Art .....	.....	.....	2	2
Art 460 Pottery and Ceramic Sculpture.....	.....	.....	4	2
Art 458 Theatre Design .....	.....	.....	4	2
Non-Art Electives .....	.....	.....	3	3
*Art Electives	6-10	3-5	12	6
Total hours	28	16	27	16

* Number of electives depends on whether Art 352 is taken in the junior or the senior year.

ELEMENTARY EDUCATION DIVISION

Allan P. Bradley, Director

The curriculum of this division provides for all aspects of a professional program and leads to a teaching career in the elementary schools. Graduates receive a Bachelor of Science degree in their programs. They acquire excellent personal preparation, professional perspective, technical knowledge and specialized skills, and are certified to teach from kindergarten through eighth grade.

Science Sequence

Students in this division may elect a course sequence preparing them to become consultants or special teachers of elementary school science. (See Science Department).

Fifth-Year Program for Early Secondary School Grades

The elementary teaching certificate may be extended to include the teaching of English, mathematics, science or social studies through the ninth grade of the junior high school. Graduates may accept positions teaching in the seventh, eighth or ninth grades providing they register in Summer Session for the Fifth-Year Program for the Early Secondary School Grades, qualifying them for a temporary extension of the elementary certificate including teaching in the junior high school, (renewed year to year by study in Extension or Summer Session). This certificate will be made permanent when the requirements of the Fifth Year Program of Study are completed (sixteen semester hours completed within two years, thirty semester hours within five years from the date of graduation).

Early Childhood Education Certification

Elementary Education students may earn special certification in Early Childhood Education (teaching young children in the nursery school, kindergarten and primary grades). They follow the regular Elementary Education curriculum but courses El. Ed. 202C, 301-302C, 401C, are modified to apply specifically to teaching in kindergarten through grade three. El. Ed. 308C, Seminar in Early Childhood Education is required of all students; three of the following courses are to be elected: English 210 Children's Literature, Art 406 Creative Arts Workshop, Music 304 Music for Children, Science 310 Science in the Elementary Grades.

Education for Exceptional Children Certification

Students earn certification for teaching exceptional children (mentally or physically handicapped) by electing a prescribed sequence of courses. (See Division of Education for Exceptional Children).

Students in the Elementary Education Division receive a comprehensive program of supervised teaching experiences with children of various ages in different types of schools: the first year, a general study of children to better understand child growth and development; the second year, an expanded study of sociological backgrounds of pupils and teaching reading to small groups; the third year, participation in a variety of teaching situations under close supervision; the fourth year, student teaching responsibility with two or more classes, under supervision of a master teacher.

Student teaching experiences are provided, partly in the Campus Elementary School under a modern philosophy of education, and partly in cooperating schools in nearby cities, suburban areas and rural communities. Students are required to reside in these communities during student teaching assignment.

Applicants for this division must be able to meet the general requirements listed in this catalog under Admissions. A limited number of students with advanced standing, able to meet all general requirements, will be admitted each semester; they must complete a minimum of one year in residence to qualify for graduation.

Students in this division pay only the regular college fees and charges, approximately seventy-five dollars per year; books, supplies and equipment needs are estimated at seventy dollars per year.

Information concerning scholarships and financial aids is provided under Scholarships in this catalog.

ELEMENTARY EDUCATION CURRICULUM

FIRST YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 101-102 Composition and Speech.....	3	3	3	3
S.S. 101-102 History of Civilization.....	3	3	3	3
Ed. 101-102 Child Development.....	4	3	4	3
Art 101-102 Essentials of Art.....	3	2	3	2
Mus. 101-102 Essentials of Music.....	3	2	3	2
*P.Ed. 101-102 Physical Education Activities.....	2	.....	2	.....
Math 101 General Mathematics†.....	3	3	.....	.....
†Sci. 101 Physical Science.....	.....	.....	4	3
‡Language Sequence (Optional).....	3	3	3	3
Latin, French, or Spanish (Elementary and Advanced) .....	.....	.....	.....	.....
Total Hours	21	16	22	16

* Recreational activities for two periods a week, on a non-credit basis, are required of all freshmen.

† If one of the language sequences is elected, Science 101 and Mathematics 101 are taken in sophomore year during elective periods.

‡ All students not having two units of foreign language in high school must take a foreign language one year in college during the freshman or sophomore year.

SECOND YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 201 Advanced Written Composition.....	3	3	.....	.....
Eng. 204 English Literature .....	.....	.....	3	3
S.S. 201-202 Contemporary Civilization.....	3	3	3	3
El. Ed. 201-202 The Child and the Curriculum I	4	3	4	3
Sci. 201-202 Biology	4	3	4	3
H. Ed. 201-202 Health Education.....	2	2	.....	.....
Electives	3	3	3	3
Total hours	19	17	17	15

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 306 Advanced Oral Composition.....	3	3	.....	.....
Eng. 304 American Literature .....	.....	.....	3	3
S.S. 301-302 American Civilization and Government	3	3	3	3
El. Ed. 301-302 The Child and the Curriculum II	5	3	4	3
P. Ed. 301 Physical Education.....	3	2	.....	.....
I. A. 303 Elementary Industrial Arts.....	.....	.....	4	3
Geog. 301 General Geography I.....	3	3	.....	.....
Electives	3	3	3	3
Total hours	20	17	17	15

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
*El. Ed. 401 Practicum in Teaching.....	30	15	.....	.....
El. Ed. 402 Seminar in Elementary School Teaching .....	.....	.....	3	3
Eng. 402 Contemporary Literature.....	.....	.....	3	3
S. S. 402 Sociology.....	.....	.....	3	3
Geog. 402 General Geography II.....	.....	.....	3	3
H. Ed. 402 Health Protection.....	.....	.....	2	2
Electives .....	.....	.....	3	3
Total hours	30	15	17	17

THIRD YEAR

DIVISION A. (Junior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
El. Ed. 301-302 The Child and the Curriculum II	9	6	.....	.....
S. S. 301 American Civilization and Government	3	3	.....	.....
Geog. 301 General Geography I.....	3	3	.....	.....
Eng. 306 Advanced Oral Composition.....	3	3	.....	.....
P. Ed. 301-302 Physical Education.....	3	2	.....	.....
*El. Ed. 401 Practicum in Teaching.....	.....	.....	30	15
Total hours	21	17	30	15

* One-half of the junior class will take Practicum in Teaching the second semester of the junior year. The other half will take it in the first semester of the senior year. The following table presents a tentative arrangement of the courses in the junior and senior years to provide for this plan of practice teaching. This necessitates dividing the junior and senior classes into two divisions, a "teaching" and a "non-teaching" group.

DIVISION B. (Senior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 306 Advanced Oral Composition .....	.....	.....	3	3
Eng. 304 American Literature	3	3	.....	.....
I. A. 303 Elementary Industrial Arts.....	4	3	.....	.....
Geog. 301 General Geography I.....	.....	.....	3	3
El. Ed. 301-302 The Child and the Curriculum II .....	.....	.....	9	6
S.S. 301-302 American Civilization and Government	3	3	3	3
P. Ed. 301-302 Physical Education.....	.....	.....	3	2
Electives	6	6	.....	.....
Total hours	16	15	21	17

FOURTH YEAR
DIVISION A. (Junior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
El. Ed. 402 Seminar in Elementary School Teaching	3	3	.....	.....
Eng. 402 Contemporary Literature.....	3	3	.....	.....
S. S. 402 Sociology.....	3	3	.....	.....
Geog. 402 General Geography II.....	3	3	.....	.....
H. Ed. 402 Health Protection.....	2	2	.....	.....
I. A. 303 Elementary Industrial Arts.....	.....	.....	4	3
Eng. 304 American Literature.....	.....	.....	3	3
S. S. 302 American Civilization and Government II .....	.....	.....	3	3
Electives	3	3	6	6
Total hours	17	17	16	15

DIVISION B. (Senior Teaching Sections)

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
El. Ed. 401 Practicum in Teaching.....	30	15	.....	.....
El. Ed. 402 Seminar in Elementary School Teaching .....	.....	.....	3	3
Eng. 402 Contemporary Literature.....	.....	.....	3	3
S. S. 402 Sociology .....	.....	.....	3	3
Geog. 402 General Geography II.....	.....	.....	3	3
H. Ed. 402 Health Protection.....	.....	.....	2	2
Electives .....	.....	.....	3	3
Total hours	30	15	17	17

EDUCATION FOR EXCEPTIONAL CHILDREN
DIVISION

Horace Mann, Director
Associate Professor Gallagher; Assistant Professor Lipton

Graduates of this division receive the Bachelor of Science degree. They are qualified for certificates permitting them to teach in the elementary schools and to teach children who have impairments in speech, hearing, mentality, sight, or general physical structure. They receive professional knowledge needed for appraising the nature and origin of the physical and mental disabilities of children and for developing a remedial educational program.

Students in Elementary Education interested in this specialization may register in this division as freshmen, or as sophomores, but not later than the second semester of the sophomore year.

Students majoring in this division may specialize in one of these five areas:

1. Education of Children with Hearing Loss
2. Education of Children with Retarded Mental Development
3. Education of Children with Orthopedic Handicap
4. Education of Children with Partial Sight
5. Education of Children with Speech Defect

The campus laboratory facilities of the division, including a Speech Clinic, are supplemented by those of the Public Schools, Meyer Memorial Hospital, Children's Hospital, and Crippled Children's Guild, in Buffalo; the Edith C. Hartwell Clinic in Leroy; and the Occupational Education School in Lackawanna. For information write to Director, Division of Education for Exceptional Children.

CURRICULUM FOR THE PREPARATION OF TEACHERS FOR
CHILDREN WITH PARTIAL SIGHT

Students follow regular Elementary Education program with the following changes:

SECOND YEAR

First Semester: take as elective:
Ed. Ex. 201 Education of Exceptional Children
Second Semester: take as elective:
I.A. 303 Elementary Industrial Arts

THIRD YEAR

First Semester: drop I.A. 303; take instead:
I.A. 305 Practical Arts for Exceptional Children
Ed. Ex. 301 Survey of Eye Conditions
Second Semester: take as elective:
Ed. Ex. 330 Special Class Methods (Partially Sighted)

FOURTH YEAR

First Semester: take as elective:
Ed. Ex. 411 Practicum (Partially Sighted)
Ed. Ex. 409 Seminar, Psychology of Handicapped Children

CURRICULUM FOR THE PREPARATION OF SPEECH CORRECTIONISTS

Students follow regular Elementary Education program with the following changes:

SECOND YEAR

- First Semester: take as elective:
Ed. Ex. 201 Education of Exceptional Children
Second Semester: take as elective:
Ed. Ex. 204 Science of Speech & Hearing
Ed. Ex. 305 Phonetics

THIRD YEAR

- First Semester: drop Eng. 306; take instead:
Ed. Ex. 306 Speech Pathology
Second Semester: take as electives:
Ed. Ex. 307 Speech Pathology
Ed. Ex. 308 Speech Correction and Clinic

FOURTH YEAR

- First Semester: take as elective:
Ed. Ex. 405 Practicum in Teaching (Speech Correction)
Second Semester: take as elective:
Ed. Ex. 409 Seminar Psychology of Exceptional Children

CURRICULUM FOR THE PREPARATION OF TEACHERS FOR CHILDREN WITH RETARDED MENTAL DEVELOPMENT

Students follow regular Elementary Education program with the following changes:

SECOND YEAR

- First Semester: take as elective:
Ed. Ex. 201 Education of Exceptional Children
Second Semester: take as elective:
I.A. 303 Elementary Industrial Arts

THIRD YEAR

- First Semester: drop I.A. 103; take instead:
I.A. 305 Practical Arts for Exceptional Children
Ed. Ex. 310 Mental Measurements
Second Semester: take as elective:
Ed. Ex. 322 Special Class Methods (Mentally Retarded)

FOURTH YEAR

- First Semester: take as elective:
Ed. Ex. 401 Practicum (Mentally Retarded)
Second Semester: take as elective:
Ed. Ex. 409 Seminar Psychology of the Handicapped

CURRICULUM FOR THE PREPARATION OF TEACHERS OF CHILDREN WITH ORTHOPEDIC HANDICAP

Students follow regular Elementary Education program with the following changes:

SECOND YEAR

- First Semester: take as elective:
Ed. Ex. 201 Education of Exceptional Children
Second Semester: take as elective:
I.A. 303 Elementary Industrial Arts

THIRD YEAR

- First Semester: drop I.A. 303; take instead:
I.A. 305 Practical Arts for Exceptional Children
Ed. Ex. 310 Mental Measurements
Second Semester: take as elective:
Ed. Ex. 328 Special Class Methods (Orthopedically Handicapped)

FOURTH YEAR

- First Semester: take as elective:
Ed. Ex. 407 Practicum in Teaching (Orthopedic)
Second Semester: take as elective:
Ed. Ex. 409 Seminar, Psychology of the Handicapped

CURRICULUM FOR THE PREPARATION OF TEACHERS OF CHILDREN WITH HEARING LOSS

Students follow regular Elementary Education program with the following changes:

SECOND YEAR

- First Semester: take as elective:
Ed. Ex. 201 Education of Exceptional Children
Second Semester: take as electives:
Ed. Ex. 204 Science of Speech and Hearing
Ed. Ex. 305 Phonetics

THIRD YEAR

- First Semester: drop Eng. 306; take as electives:
Ed. Ex. 311 Language Development for Hard of Hearing
Ed. Ex. 422 Audiometry and Hearing Aids
Second Semester: take as elective:
Ed. Ex. 324 Special Class Methods for Hard of Hearing

FOURTH YEAR

- First Semester: take as elective:
Ed. Ex. 408 Practicum in Teaching (Hard of Hearing)
Second Semester: take as elective:
Ed. Ex. 409 Seminar: Psychology of the Handicapped

GRADUATE DIVISION

Robert E. Albright, Director

Graduate Curricula

Graduate courses lead to the Master of Science degree with majors in Art Education, Education for Exceptional Children, Elementary Education, Home Economics, and Industrial Arts.

Graduate work limited to Summer Session and Extension Classes

At present no graduate work is offered during the Regular 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 Extension Classes.

Admission Requirements

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

A. The applicant holding an *approved* Bachelor's Degree and eligible to teach in the elementary field or in a field of specialization. (An *approved* Bachelor's Degree is one granted by):

1. A teachers college accredited by the American Association of Colleges 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 having 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 administrator 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 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 Extension program.

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" or better 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 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 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 Extension classes.

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. For two weeks' work he may receive a maximum of two credits; for six weeks' work, six credits; for eight weeks' work, eight 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 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.

GRADUATE CURRICULA

ART EDUCATION

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.

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.

General Education Graduate Electives: 10 Sem. Hrs. minimum

Graduate courses in the Fields of Music, English, Social Studies, Science and Mathematics, by advisement.

Total requirements: 32 semester hours.

* 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 interpretations 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.

ELEMENTARY EDUCATION

Elementary Teaching:

Workshop in Elementary Education	6 Sem. Hrs.
Seminar in Elementary Education	3 Sem. Hrs.
English and/or Social Studies	6 Sem. Hrs.
Academic Electives	6 Sem. Hrs.
*Research course, project, or Master's thesis	2-6 Sem. Hrs.
Unrestricted electives. (Maximum of 16 hours in education courses, including research course, project, or thesis.)	5-9 Sem. Hrs.

Total 32

Elementary Principalship or Supervision Certification:

Experienced teachers desiring to qualify for the elementary school principal's provisional certificate should complete the bachelor's degree and four to six semester hours in El. Ed. 503 and 504. Candidates for the permanent certificate must complete the bachelor's degree and thirty hours in approved graduate courses including, in addition to El. Ed. 503 and 504, four to six hours in El. Ed. 507 and 520.

Experienced teachers desiring to qualify for the elementary school supervisor's provisional certificate should complete the bachelor's degree and six semester hours in El. Ed. 530 and 531. Candidates for the permanent certificate must complete an additional twenty-four semester hours in approved graduate courses.

Workshop in Elementary Education	6 Sem. Hrs.
Elementary Administration	3 Sem. Hrs.
Supervision	3 Sem. Hrs.
English and/or Social Studies	3 Sem. Hrs.
Academic Electives	6 Sem. Hrs.
*Research course, project, or Master's thesis	2-4 Sem. Hrs.
Unrestricted electives	2-6 Sem. Hrs.
	4-10 Sem. Hrs.

Total credit requirements: 32 semester hours.

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* 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 Elementary Education, 4 hours credit; or (3) a Master's thesis, 6 hours credit.

EDUCATION FOR EXCEPTIONAL CHILDREN

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. 525 550 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.

Education of Orthopedically Handicapped Children:

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. 525 550 Project (4 hrs.), or Ed.Ex. 525 Master's thesis (6 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.

Education in Speech Correction:

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. 525	
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.
Free electives	2-4 Sem. Hrs.

* Note: Ed.Ex. 541—This course is required for certification to teach exceptional children. Students who have received certification prior to entrance upon graduate study, will be excused.

Education of Hard of Hearing Children.†

Education of Partially-sighted Children.†

† If interested in Graduate work in the fields of Hard of Hearing Children and Partially-sighted Children, write to Director of the Division of Education of Exceptional Children, State University College for Teachers, Buffalo 22, N. Y., for further information.

HOME ECONOMICS EDUCATION

1. 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.
2. 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.
3. 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 entirely to Group 1. or Group 2. or may be divided between them, depending upon the nature of the work done.

Total requirements: 32 semester hours.

INDUSTRIAL ARTS EDUCATION

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.
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.
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.

INTENSIVE TEACHER TRAINING PROGRAM

Elementary Teaching Certification for Liberal Arts College Graduates:

To help relieve the extreme shortage of elementary teachers the College offers an intensive training program through which graduates of other colleges may prepare for elementary school teaching. The completion of a minimum of thirty semester hours, on the graduate level, twenty-four 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.

To enter this program college graduates register in the Graduate Division for certain specified Summer Session or Extension courses. 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.

For students wishing to complete the requirements for the Master of Science degree, six hours of graduate study, elected under the guidance of the Graduate Division of the College, will be required *in addition to the twenty-six hours of required courses in Elementary Education. Regulations relating to admission to candidacy 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.

1. Intermediate and Upper Grade Group	
Workshop in Elementary Education (Summer Session only)	8 Sem. Hrs.
Seminar in Elementary School Problems	3 Sem. Hrs.
(Emphasis on Science, Mathematics and Language Arts)	
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.
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2. 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	3 Sem. Hrs.
(Emphasis on Language Arts, Science, Mathematics)	
Music and Art in Elementary Education	3 Sem. Hrs.
Workshop in Child Development (Summer Session only)	6 Sem. Hrs.
Electives	4 Sem. Hrs.

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EDWARD H. BUTLER LIBRARY
STATE UNIVERSITY COLLEGE
1200 ELWOOD AVENUE
BUFFALO, N. Y. 14222

HOME ECONOMICS DIVISION

Margaret A. Grant, Director

Professors Butler, Roudebush, Stewart; Associate Professors Adams, Buddenhagen, Cragun, Weaver, Westlund; Assistant Professors Aspray, Batchelder, Nudd, Schasel.

The Home Economics Division prepares students to teach Homemaking in the public schools of New York State. Graduates receive a Bachelor of Science degree and are qualified to teach in elementary, junior high, and senior high schools, and in adult education programs. A curriculum leading to the Master of Science degree is explained in the Graduate Division.

Students graduating from a high school or approved private secondary school in New York State, able to meet the general requirements of the College may apply for admission. No special program of high school courses is required. Tests in foods and clothing are given to incoming students; those needing to extend their knowledge and skill in these areas are required to take supplemental non-credit courses.

Students who are admitted pay no special fees or charges except those required of all who enter the college (approximately seventy-five dollars). They will need to purchase uniforms, fabrics, books and some miscellaneous supplies amounting to approximately ninety dollars per year.

Graduates teach clothing and costume design, foods and nutrition, and management of the home and its physical equipment. They teach girls and women to care for very young children, to understand the relations between the various members of the family, to bring about happy and harmonious living within the home, to recognize the importance of beauty in clothing and in the home. The influence of Homemaking teachers extends beyond the classroom into the community where they serve as members of civic groups and committees interested in social improvements.

The Home Economic field is a rapidly growing area of education, creating a continuing need for teachers and providing opportunity for professional advancement to those prepared for it.

The four-year program prepares teachers who will be physically and mentally healthy, socially mature and effective, intelligent and informed in economic affairs, efficient vocationally and professionally, and cultured in gracious living.

Complete laboratory facilities are provided by the Home Economics Division in the areas of food preparation and service, nutrition, selection and construction of clothing, textiles, household equipment, housing and home furnishings, and child development and family life.

The College maintains an attractive, well-equipped residence, the Home Management House, located nearby where senior students live for a five-week period under faculty supervision to gain experience in the social and economic management of a home.

Supplementary experiences planned by the student, her adviser and other teachers as an extension of regular college work include: working during the summer as a waitress or cook in a hotel, as an assistant in a tea room, as an assistant dietician in a hospital, or as a teacher in a neighborhood house or playground. The first supplementary experience

must be completed by the end of the summer following the sophomore year; the second by the end of the first semester of the senior year.

Home Economics students observe and participate in teaching during their junior year. In the senior year, they teach for one semester in specially selected central and village schools. During this time they gain a maturing experience by residing in these communities.

The Home Economics Division is affiliated with the Merrill-Palmer School in Detroit, Michigan. Each year two seniors during the first semester, and two juniors during the second semester have the opportunity with students from many states and countries, to attend this school which provides intensive work in child development, parent education, social service work, and home and family living to students from many states and countries. Students are selected to attend this school by a faculty committee; they receive full credit toward their degree for work taken.

A provisional certificate is granted for a ten-year period to graduates from this division. A permanent certificate is issued to those who finish an approved program of thirty hours of graduate study and who continue to complete six semester hours of approved courses, or the equivalent in approved professional activities, during each successive ten-year period.

Applicants for admission to advance standing will be informed of the requirements for the degree upon evaluation of transcripts by the Director of the division. A College graduate wishing to complete certification requirements only, should send transcripts to the Bureau of Certification, State Education Department Albany, New York for evaluation.

The Grace A. Powell Home Bureau Scholarship, provided by the members of the Home Bureau of New York State and the Elizabeth C. Lange Loan Fund are available to Home Economics students.

HOME ECONOMICS CURRICULUM

FIRST YEAR

BEGINNING WITH CLASS ENTERING IN SEPT. 1954

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Art 161 Art in Living.....	4	3	.....	.....
Ed. 151-152 Human Development.....	4	3	4	3
Eng. 101-102 Composition and Speech.....	3	3	3	3
H. Ec. 90 Clothing	2	.....	.....	.....
H. Ec. 91 Foods and Nutrition.....	.....	.....	2	.....
H. Ec. 101-102 Introduction to Home Economics	6	4	6	4
Sci. 151 Chemistry	4	3	4	3
S. S. 157 Man, His Culture, Society and Values .....	.....	.....	3	3
Physical Activities—Gym and Pool.....	2	.....	2	.....
Orientation	1	.....	.....	.....
Freshman Seminar .....	.....	.....	1	.....
Total hours	26	16	25	16

SECOND YEAR

FOR STUDENTS WHO ENTERED BEFORE SEPT. 1954

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 201 Composition	3	3	.....	.....
Eng. 204 English Literature .....	.....	.....	3	3
S. S. 222 Principles of Economics.....	.....	.....	3	3
Sci. 227 Household Physics.....	4	3	.....	.....
Sci. 225-226 Elements of Inorganic and Organic Chemistry	4	3	4	3
H. Ec. 203 The Child in the Family.....	6	4	.....	.....
H. Ec. 204 Clothing and Costume Design.....	.....	.....	6	4
H. Ec. 205 Foods and Nutrition.....	5	3	.....	.....
H. Ec. 206 Family Health and Home Nursing .....	.....	.....	3	2
Art 221 Essentials of Home Arts.....	.....	.....	4	3
Total hours	22	16	23	18

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
S. S. 323 Principles of Sociology.....	4	3	.....	.....
S. S. 301-302 American History and Government	3	3	3	3
H. Ec. 303 Economics of the Household.....	.....	.....	5	4
H. Ec. 305 Clothing and Costume Design.....	3	2	.....	.....
H. Ec. 306 Foods and Nutrition.....	.....	.....	5	3
Art 322 Home Furnishings.....	.....	.....	4	3
Sci. 324 Chemistry Applied to Home Economics .....	.....	.....	4	3
H. Ec. Ed. 323 Home Economics Methods and Materials	8	6	.....	.....
Elective	3	3	.....	.....
Total hours	21	17	21	16

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
H. Ec. 401 Home Management	10	4	.....	.....
H. Ec. Ed. 421 Teaching Practicum	20	9	.....	.....
H. Ec. 405 Household Equipment .....	.....	.....	4	3
H. Ec. 407 Housing and Home Planning.....	.....	.....	4	3
H. Ec. 412 Marriage and Family Relations.....	.....	.....	3	3
Art 421 Art Appreciation.....	.....	.....	3	3
Eng. 202 Speech II.....	.....	.....	3	3
Elective .....	.....	.....	3	3
Senior Seminar	1	.....	1	.....
Total hours	31	13	21	18

Approved supplementary experiences required

INDUSTRIAL ARTS DIVISION

Kenneth W. Brown, Director

Professors Callan, Fontana, Neuthardt; Associate Professors Brossman, Cook, Grabau, Harlan, Morrice, Russell, Steffen; Assistant Professors Capiello, Eastwood, Meyer, Palmeter, Steinzor, Waagen.

Graduates of the Industrial Art Division receive a Bachelor of Science degree, are certified to teach Industrial Arts in the elementary and secondary schools of New York State, and may qualify through an elective sequence to teach Driver Education.

The curriculum deals with the tools, materials, processes, products and occupations of the principal industries. Basic courses are required in metal, textile, graphic arts, electrical, wood, ceramic and transportation; advanced elective courses permit specialization in two or more areas.

The professional phase of the curriculum includes courses in psychology, education, Industrial Arts methods, a period of observation (of teaching), and a required semester of student teaching in selected schools.

The influence of industry on American life has added increased importance to the teaching of Industrial Arts. Graduates teach students in the public schools about industry: how it is organized; how it operates; its tools, materials, processes, products, occupations; and the problems of life it creates. Industrial Arts teachers inform students regarding the intelligent use of industrial goods and services, and help many of them select careers, and aid others to develop wholesome recreational pursuits.

Many Industrial Arts graduates teach in adult education programs; some enter supervisory and administrative positions in public schools. A graduate program leading to a Master of Science degree prepares students for additional professional advancement.

Applicants must meet the general admission requirements of the College. Preference will be shown those who have two units of high school mathematics (including elementary algebra) and two units of science.

A limited number of transfer students, including teachers in other fields wishing to extend their certificates to include Industrial Arts, may be admitted. Courses taken in accredited institutions will be appraised in terms of the requirements of this division and the State Education Department Certification Bulletin.

INDUSTRIAL ARTS CURRICULUM

FIRST YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 101-102 Composition and Speech 1.....	3	3	3	3
I. A. 103-104 Mechanical Drawing.....	4	3	4	3
Math. 102 General Mathematics	3	3	.....	.....
Math. 104 Applied Mathematics .....	.....	.....	3	3
Art 111-112 Essential of Industrial Arts Design	3	2	3	2
I. A. 101 Electric Shop	12	5	.....	.....
I. A. 102 Wood Shop .....	.....	.....	12	5
Total hours	25	16	25	16

SECOND YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
Eng. 202 Public Speaking.....	3	3	.....	.....
Ed. 203 Educational Psychology.....	4	3	.....	.....
Sci. 205-206 Physics	4	3	4	3
S. S. 205 Contemporary Civilization.....	.....	.....	3	3
I. A. 211 Principles and Practice of Industrial Arts I .....	.....	.....	2	2
I. A. 201 Transportation Shop	12	5	.....	.....
I. A. 202 General Metal Shop .....	.....	.....	12	5
Elective	3	3	3	3
Total hours	26	17	24	16

THIRD YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
I. A. 311-312 Principles and Practice of Industrial Arts II & III.....	2	2	2	2
S. S. 301-302 American Civilization and Government	3	3	3	3
Sci. 301-302 Chemistry	4	3	4	3
Eng. 304 American Literature.....	3	3	.....	.....
I. A. 301 Graphic Arts Shop.....	12	5	.....	.....
I. A. 302 General Shop .....	.....	.....	12	5
Elective .....	.....	.....	3	3
Total hours	24	16	24	16

FOURTH YEAR

Course Titles	First Semester		Second Semester	
	Class Hours	Credit Hours	Class Hours	Credit Hours
*I. A. 411 Practice Teaching and Conference...	25	15	.....	.....
S. S. 421 Industrial History and Labor Problems .....	.....	.....	3	3
I. A. 406 Ceramics .....	.....	.....	7	3
I. A. 407 Textiles .....	.....	.....	5	2
Electives .....	.....	.....	8	8
Total hours	25	15	23	16

* Students in I. A. 411 are required to teach in both unit and general shops. This necessitates living out of town one-half semester. Students must be prepared to arrange their personal affairs accordingly.

DESCRIPTION OF COURSES

OFFERED BY DIVISIONS AND DEPARTMENTS OF THE COLLEGE

EXPLANATION OF COURSE NUMBERS

All credit courses have three figure numbers. Courses numbered below 100 are non-credit remedial courses. Graduate courses are numbered 500 and above. Those numbered from 100 to 199 are primarily freshmen courses; those from 200 to 299 primarily sophomore courses; those from 300 to 399 primarily junior courses; those from 400 to 499 primarily senior courses.

ELECTIVE COURSES

All curricula offered by the college permit students to select elective courses. The number of semester hours elective credit varies among the divisions. In general the electives are offered only to the upper classes: sophomore, junior, and senior. Tentative elective courses are listed for each department and are subject to change or cancellation in accordance with changing demands or circumstances. Students should confer with faculty advisers and instructors in the choice of electives.

ORIENTATION

This non-credit course is required of all freshmen in the first semester. It emphasizes study skills, use of the library, group leadership, educational, social, and professional adjustments. One class hour per week.

ART DIVISION

Stanley A. Czurlles, Director

Professors Busa, Conant, Hubler, Winebrenner; Associate Professors Baxter, Bolinsky, Dakin, Heyman, Karcher, Lindemann, Lofgren, Tetkowski, Truesdale; Assistant Professors Ahrens, Case, Hoffa, Jiskra, Massing, O'Connell, Stark.

Art 101-102. Essentials of Art. Creative art experiences; understanding of various forms of art expression; art as it functions in the life of the individual, the school, and the community. Required of Elementary Education freshmen. Three hours per week. Both semesters. Credit: four semester hours.

Art 111-112. Essentials of Industrial Arts Design. Basic techniques in drawing, lettering, design planning; fundamental principles of structural and decorative design, application in handicraft and industrial production; selection and appraisal of objects of artistic merit; application of design in various materials and processes of the industrial arts program; original design of shop projects. Required of Industrial Arts freshmen. Three hours per week. Both semesters. Credit: four semester hours.

Art 149-150. Field Studies in Art. Field trips and study of art as it functions in the life of the community. Required of Art Education freshmen. Two hours per week. Both semesters. Credit: two semester hours.

Art 151-152. Introduction to Art and Education. Contemporary trends in art education; significant qualities common to painting, architecture, clothing, interior

design, industrial design, and other types of plastic and pictorial art. Required of Art Education freshmen. Six hours per week. Both semesters. Credit: six semester hours.

Art 153-154. Introduction to Design. Formal organization in two and three dimensions, incorporating the drawing process, the constructional process, and the selective process through a variety of experiences from painting and drawing to work with hand and power tools. Required of Art Education freshmen. Eight hours per week. Both semesters. Credit: 400 semester hours.

Art 161. Art in Living. Introductory studio experiences in the visual and graphic arts exploring expressive and creative possibilities through a variety of media and selection and arrangement of materials and objects. Required of all Home Economics freshmen. Four hours per week. Each semester. Credit: three semester hours.

Art 251-252. Drawing and Painting. Two-dimensional design; oil and water media, figure drawing, printmaking processes; related historical study. Required of Art Education sophomores. Eight hours per week. Both semesters. Credit: eight semester hours.

Art 253. Crafts. Creative design with clay, paper, textiles, leather, wood, metal and other materials; the function of crafts activities in elementary, secondary, college, and adult education. Required of Art Education sophomores. Seven hours per week. First semester. Credit: three and one-half semester hours.

Art 254. Design Workshop. Personal expression and design of utilitarian forms through creative use of hand and power tools; mechanical drawing as a design language. Required of Art Education sophomores. Five hours per week. Each semester. Credit: two and one-half semester hours.

Art 255. Study of Child Art. Children's art activities in school, home, community; expression and creative development; directed observation and participation in elementary school art education. Required of Art Education sophomores. Four hours per week. Each semester. Credit: two semester hours.

Art 256. Art in Everyday Life. Art as related to personal life, home, school, community, industry, and commerce; architectural and interior design, costume design, consumer education, interrelationship of the arts; directed observations and participation in secondary school art education. Required of Art Education sophomores. Seven hours per week. Second semester. Credit: three and one-half semester hours.

Art 257. Lettering and Layout. Lettering and layout design; application to school and commercial problems; planning exhibitions, developing publications and teaching aids. Required of Art Education sophomores. Three hours per week. Each semester. Credit: one and one-half semester hours.

Art 290. Photography. Photography as a communications art; the making of documentary, pictorial, and creative compositions in black-and-white, in color, and in combination with other communication media; exploration of photographic processes and their use in self-expression and educational activities. Elective for all students. Four hours per week. First semester. Credit: three semester hours.

Art 314. Drawing I. Drawing as used in lecturing and teaching; development of visual aids, object and arrangement planning; selection of drawing content and

treatment according to individual fields of interest. Elective for all students except Art Education majors. Four hours per week. Second semester. Credit: three semester hours.

Art 316. Drawing II. Drawing in advance of work done in Art 314; selection of media and development of activities according to individual professional and personal needs. Elective for all students except Art Education majors. Four hours per week. Second semester. Credit: three semester hours.

Art 322. Home Furnishings. Use of color, texture, form, space, and other aspects of design in home planning and the selection and arrangement of furnishings. Required of all Home Economic juniors. Four hours per week. Each semester. Credit: three semester hours.

Art 351. Pre-Teaching Workshop. Development, selection, and organization of teaching materials and procedures on elementary and secondary levels; observation and participation. Required of all Art Education juniors. Four hours per week. First semester. Credit: two semester hours.

Art 352. Student Teaching Workshop. Critical analysis of problems encountered in junior year student teaching; consideration of philosophical, theoretical and practical aspects of their possible solution; identification of individual needs and programming of activities to improve student teaching in the senior year. Required of all Art Education students subsequent to Student Teaching I. Eight hours per week for eight weeks. Each semester. Credit: two semester hours.

Art 353. Advanced Design Studio. Continuation of Art 254; design and production of objects; the interrelated use of mechanical drawing and sketching as visualizing procedures, design in the selection and shaping of materials such as wood and metal, technical information, and skill in the use of hand and power tools. Required of all Art Education juniors. Eight hours per week. First semester. Credit: four semester hours.

Art 354. Studio in Photography. Photography as an art medium and an educational tool; creative and expressive use of photographic equipment, material and processes. Elective for Art Education juniors and seniors. Eight hours per week for eight weeks. Each semester. Credit: two semester hours.

Art 355. Art in Human Affairs. The relation of graphic and plastic arts to the way people live; esthetic values of the past and present; historic masterpieces. Required of all Art Education juniors. Two hours per week. First semester. Credit: two semester hours.

Art 356. Studio in Painting. Advanced painting; media, style and content based on individual needs. Elective for Art Education juniors and seniors. Eight hours per week for eight weeks. Each semester. Credit: two semester hours.

Art 358. Studio in Jewelry. Exploration of materials and processes in jewelry-making emphasizing creative design; activities suitable for upper elementary grades, junior and senior high school, and adult education. Elective for Art Education juniors and seniors. Eight hours per week for eight weeks. Each semester. Credit: two semester hours.

Art 360. Student Teaching I. Supervised student teaching at assigned levels from kindergarten through senior high school in various types of schools and

communities. Required of all Art Education juniors. Four days teaching, one day seminar each week for eight weeks. Each semester. Credit: seven semester hours.

Art 400. Workshop in Crafts I. Creative experiences in a variety of crafts such as leather, metal, ceramics, and jewelry; individual projects. Elective for all students except Art Education majors. Four hours per week. Each semester. Credit: three semester hours.

Art 406. Creative Art Workshop. Activities and art materials suitable for the elementary grades; individual experiment in various media: watercolor, powder paint, finger paint, tempera, inks, dyes, crayon, paper, cardboard, wood, cloth, soap, clay, plaster, rubber, plastics, wire, thin metals, yarn and other materials. Elective for all students except Art Education majors. Four hours per week. Each semester. Credit: three semester hours.

Art 407. Workshop in Crafts II. Individual projects to be undertaken beyond work covered in Art 400. Elective for all students except Art Education majors. Four hours per week. Each semester. Credit: three semester hours.

Art 408. Painting I. Individual election of activities using various painting media including oil, watercolor, gouache, and tempera. Elective for all students except Art Education majors. First semester. Four hours per week. Credit: three semester hours.

Art 409. Painting. II. Painting in advance of development reached in Art 408. Elective for all students except Art Education majors. Four hours per week. First semester. Credit: three semester hours.

Art 420. Art Camp. A two-week post-summer-session camp; creative activity in casein, oil and watercolor painting; photography; mobile, plaster, stone, wire and wood sculpture; sketching. Elective for students of all Divisions. Twenty-five hours a week for two weeks. Credit: two semester hours.

Art 421. Art Appreciation. Art in contemporary life: individual expression; traditional and functional influences; masterpieces in architecture, sculpture, painting and the minor arts. Readings, lectures, gallery visits, and activities with art materials. Required of all Home Economic seniors, elective for Elementary Education students. Four hours per week. Each semester. Credit: three semester hours.

Art 451. Student Teaching II. Student teaching five days a week for eight weeks; student to live in community during the period in which he teaches; periodic supervisory conferences. Required of all Art Education seniors. First semester. Credit: eight semester hours.

Art 452. Post-Teaching Seminar. Art as part of school and related community activities; joint consideration of common educational problems, with students of other Divisions; responsibilities of the art teacher as consultant, supervisor, core-resource person, and specialist; planning and working out details of facilities and program for the specific teaching positions accepted by the seniors; art room planning; budgeting procedures; sources of equipment and supplies. Required of all Art Education seniors. Two hours per week. Second semester. Credit: one semester hour.

Art 456. Contemporary Art. The arts as they affect and reflect contemporary and past civilizations. Required of all Art Education seniors. Two hours per week. Second semester. Credit: two semester hours.

Art 458. Theatre Design. Philosophy, techniques, and practices in design for the dramatic arts; scenery, costume, makeup, lighting and allied stage crafts; model sets and production work. Required of all Art Education seniors. Four hours per week. Second semester. Credit: two semester hours.

Art 460. Pottery and Ceramic Sculpture. Design of pottery and plastic sculptured form; creative potential of clay in the art program from pre-school through adult education. Required of all Art Education seniors. Four hours per week. Second semester. Credit: two semester hours.

GRADUATE COURSES IN ART EDUCATION

Art 501. Workshop in Art Education Materials, Processes, and Procedures. Analysis and experiment with materials and processes significant to community, school, and group activities. Credit: three semester hours.

Art 503. Workshop in Using the Visual Language. Psychological basis of composition with the visual elements: lines, forms, colors, textures, lights and motions; visual composition in any material for any given purpose such as: photography; the designing of projects for class, shop or home; production of visual aids; layout of school publications; and the arrangement of displays. Credit: three semester hours.

Art 504. Seminar in Art in Human Affairs. Art activity as a dynamic force in the life of an individual and society; psychology of creative activities; creative activity as a way of clarifying thought, attaining control of emotions, propagating individual and group attitudes, beliefs, ceremonials, and practices. Credit: two semester hours.

Art 505. Seminar in Art Education. Problems and projects in teaching and supervising art in various types of communities and schools; contemporary philosophy, psychology, principles, and practices in art and general education; 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. Credit: three semester hours.

Art 506. Seminar in History of Art—Contemporary Movements in Art. Trends in the arts of painting, sculpture, graphic arts, architecture, industrial art, commercial art, and crafts, related to developments in music, drama, and literature; lectures, readings, experiments and demonstrations; visits to galleries, studios, and plays. Credit: two semester hours.

Art 507. Graduate Studio in Drawing, Painting, Graphic Arts. Individual activities with a variety of graphic media determined for each individual according to his background and needs; studio and outdoor problems, field and gallery trips. Credit: by arrangement.

Art 508. Graduate Studio in Design and Spatial Organization. Individualized designing with paint and materials; specialization may be in home planning and furnishing; costume, textile, stage, commercial or industrial design. Credit: by arrangement.

Art 509. Graduate Studio in Crafts. Individualized work in textiles, jewelry, leather, woodcarving, sculpture, plastics, pottery, and metal. Credit: by arrangement.

Art 510. Graduate Studio in Photography. Photographic processes; black-and-white and color photography as a form of expression, as commercial art, as a form of recording, and as used in the making of teaching aids and publications. Credit: by arrangement.

Art 511. Art in the Elementary Curriculum. The use of art materials, processes, and procedures in the elementary school; developing creative and expressive activities of children. Credit: three semester hours.

Art 512. Studio in Sculpture. Sculpture as a means of individual and group expression; theory and processes using media such as wood, stone, plaster, cement block, and metal. Credit: by arrangement.

Art 520. Art Camp. A two-week post-summer-session camp; creative activity in casein, oil and watercolor painting; photography; mobile, plaster, stone, wire and wood sculpture; sketching. Elective for students of all Divisions. Twenty-five hours a week for two weeks. Credit: two semester hours.

Art 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to the directions given by the Graduate Division. Credit: six semester hours.

Art 526. Special Project. Research along a particular line of one's specialization. Credit: by arrangement.

Art 550. Project. A study undertaken by one or more individuals on a problem of special interest; must be submitted in acceptable form according to directions given by the Graduate Division. Credit: four semester hours.

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1000 ELLENWOOD AVENUE
BUFFALO, N. Y. 14222

EDUCATION DEPARTMENT

Oscar E. Hertzberg, Chairman

Professors Burrell, Carroll, Crayton, Lange, MacVittie, O'Brien, Sloan, Smay, Steel; Associate Professors Bruce, Jamison, Kahler, Martorana, Milanovich, Penn, Wagner; Assistant Professors Barnett, Durnin, Eddins, Pratt, Saenger, Schrader.

Ed. 101-102. **Child Development.** Human behavior; problems and methods of child study; foundations of behavior; individual differences; physical, mental, emotional, and social development; effect of home, community, and school on growth and development of children; personality development; directed observation. Required of all Elementary Education, Art Education, and Home Economics freshmen. Three hours per week; one hour additional when observing. Each semester. Credit: six semester hours.

El. Ed. 201. **The Child and the Curriculum I.** Objectives of elementary education; the elementary school system in New York State and the United States; sociological changes affecting the schools; school and community relationships; directed observation and participation. Required of all Elementary Education sophomores. Prerequisites: El. Ed. 101-102. Three hours per week; one hour additional when observing. Each semester. Credit: three semester hours.

El. Ed. 202. **The Child and the Curriculum I.** Physiological and psychological factors affecting learning; improvement in learning; aids to effective learning; transfer of training; teaching of reading; directed observation and participation. Required of all Elementary Education sophomores not following the Early Childhood Education sequence. Prerequisites: Ed. 101-102. Three hours per week; one hour additional when observing. Each semester. Credit: three semester hours.

El. Ed. 202C. **The Child and the Curriculum I.** Factors affecting learning in children from three to eight; reading instruction through grade three; relationship to later reading activities; directed observation and participation. Required of all Elementary Education sophomores electing the Early Childhood Education sequence. Prerequisites: El. Ed. 101-102. Three hours per week; one hour additional when observing. Each semester. Credit: three semester hours.

Ed. 203. **Educational Psychology.** Human growth and development; interaction of heredity, environment, and maturation in producing physical, motor, mental, emotional, social, and moral differences in individuals; problems of maladjustment; nature, characteristics, and control of learning; transfer of training; evaluating human development and learning; directed observation. Required of all Industrial Arts sophomores. Three hours per week; one hour additional when observing. Each semester. Credit: three semester hours.

El. Ed. 301-302. **The Child and the Curriculum II.** Observation, classroom participation, class discussion, and conferences with instructors; teacher-pupil relationships; selecting, organizing, and presenting curriculum materials on different grade levels; evaluating pupil progress. Required of all Elementary Education juniors. Prerequisites: El. Ed. 101-102, El. Ed. 201-202. Six hours of participation and three class hours per week. Each semester. Credit: six semester hours.

El. Ed. 301C-302C. **The Child and the Curriculum II.** Observation, participation, class discussion, and conferences with instructors and classroom teachers; group

life of the child from three to eight; teacher-pupil relationships; materials of instruction on pre-school and early school levels; evaluating pupil progress. Required of all Elementary Education juniors following Early Childhood Education sequence. Prerequisites: El. Ed. 101-102, El. Ed. 201, El. Ed. 202C. Six hours of participation and three class hours per week. Each semester. Credit: six semester hours.

El. Ed. 308C. **Seminar in Early Childhood Education.** Teaching the young child in the elementary school; building a curriculum (activities and materials); communicating and planning with parents; evaluation procedures. Required of all Early Childhood Education students. Each semester. Three hours per week. Credit: three semester hours.

El. Ed. 401. **Practicum in Teaching.** Teaching under supervision four days per week, conferences at college on the fifth day; lesson planning, class and individual instruction, classroom management, program planning, records of attendance and achievement, diagnostic and achievement testing, remedial teaching, extra class activities. Required in sixth or seventh semester. Thirty (30) hours of teaching and conferences per week. Prerequisites for freshmen matriculating after July 1, 1951; Passing grade in Oral Composition, speech exemption or a grade of "C" or higher in Advanced Oral Composition, grade of "C" or higher in El. Ed. 301-302, cumulative average grade of "C" or higher in all previous college courses. Each semester. Credit: fifteen semester hours.

El. Ed. 401C. **Practicum in Teaching.** Teaching under supervision four days per week with conferences at the College on the fifth day. Varying levels of maturity in children, readiness for reading and other skills, primary reading, class and individual instruction, class and group organization and management, testing, remedial teaching, and pupil records. Required in sixth or seventh semester of students following Early Childhood Education sequence. Thirty (30) hours of teaching and conferences per week. Prerequisites for freshmen matriculating after July 1, 1951: passing grade in Oral Composition, speech exemption or grade of "C" or higher in Advanced Oral Composition, grade of "C" or higher in El. Ed. 301C-302C, cumulative average grade of "C" or higher in all previous college courses; El. Ed. 308C. Each semester. Credit: fifteen semester hours.

El. Ed. 402. **Seminar in Elementary School Teaching.** Philosophic needs in elementary school teaching; teaching problems; research methods in solving educational problems. Required of all Elementary Education seniors. Prerequisites: El. Ed. 101-102, 201-202, 301-302; 401; for Early Childhood Education: El. Ed. 101-102, 201, 202C, 301C-302C, 308C, 401C. Each semester. Credit: three semester hours.

Ed. 463. **Driver Education.** Behind-the-wheel instruction; instructing a trainee driver; traffic and pedestrian safety; psycho-physical testing; traffic law; accident statistics; accident prevention; traffic engineering; liability; insurance interpretation; effects of alcohol; theory and maintenance of automobile; cooperating agencies. Required for certification to teach Driver Education in New York State. Prerequisites: a good driving record (a licensed operator for at least two years); preparation for secondary school certification. Two class hours and two laboratory hours per week. Elective. Each semester; Summer Session 1955. Credit: three semester hours.

Ed. 465. **Audio-Visual Education.** Audio-visual materials in teaching; audio-visual equipment; selecting, securing, and using films and other materials; audio-

visual programs in the school; teacher and pupil-produced materials; photography. Elective. Each semester; Summer Session 1955. Credit: three semester hours.

GRADUATE COURSES IN EDUCATION

El. Ed. 500. Workshop in Elementary Education. Problems encountered in the elementary schools, selected by members of workshop, general seminar technique, observation in the Summer Demonstration School. Required of Elementary Education students for Master of Science. Enrollment limited. Credit: six semester hours.

El. Ed. 500A. Workshop in Elementary Education. Child development; elementary school methods and materials; preparation of an individual report; experience with children in the Campus School. Required of students in the Intensive Teacher Training Program. Credit: eight semester hours.

El. Ed. 501. Seminar in Elementary Education. Research in elementary education; study of specific problems by individual students in their field of teaching. Required of Elementary Education candidates, for the Master of Science. Credit: three semester hours.

El. Ed. 503. Organization of the Elementary School. Major concepts in Elementary Education; administration of the elementary school; the curriculum; grouping of pupils; the school plant; trends in school building design; co-curricular activities; pupil safety measures. May precede or follow El. Ed. 504. Open to experienced teachers, principals, and supervisors. Elective. Credit: three semester hours.

El. Ed. 504. Administration of the Elementary School. New York State educational system; legal aspects; school board; educational finance; responsibilities of the principal: business management, school plant management; plant maintenance; pupil transportation; pupil accounting; pupil counseling; teacher recruitment, selection, employment, assignment, orientation, evaluation, tenure and dismissal. May precede or follow El. Ed. 503. Open to experienced teachers, principals, and supervisors. Credit: three semester hours.

El. Ed. 505. Evaluation Techniques in the Elementary School. Evaluating educational growth of pupils; evaluation related to teaching objectives; informal, objective, and essay type tests; selection, administration, and scoring of measuring instruments (for evaluating and diagnosing mental abilities, educational achievements and personality characteristics of pupils); statistical methods in handling and interpreting data; organization of remedial programs. Credit: three semester hours.

Ed. 506. Philosophy of Education. Principles underlying educational practices; changing concepts of education; education in a democratic society; teaching procedures as determined by a democratic concept of education. Credit: three semester hours.

El. Ed. 531. Supervision of Teaching. Principles of supervision; classroom observation; evaluating teachers and teaching; effect of teachers' purposes and research on choice of subject matter and teaching procedures; teacher-pupil relationships; group and individual conferences; induction of new teachers; inter-visitation and demonstration teaching; teachers' meetings; bulletins; workshops; evaluation of

ADDENDUM

Insert between pages 78 and 79

Ed. 507. General School Administration. Principals of school administration; historical beginnings; national, state, and local responsibilities for education; district, township, and county administrative units; boards of education; school services: health, supervision, research, library, and attendance; teacher selection, salary, tenure, in-service education; school building programs. Credit: two semester hours.

Ed. 508. Supervision of Student Teaching. Responsibilities of elementary school sponsor teachers; lesson and unit planning; supervision, observation, participation, conferences; teacher-pupil relationships; teacher evaluation. Elective for sponsor teachers. Credit: two semester hours.

Ed. 509. Personality Adjustment in the Elementary School. Dynamics of human behavior; prevention of maladjustment; corrective programs; formation of habits and attitudes; recent clinical research. Open to graduate students and undergraduate experienced teachers. Credit: three semester hours.

El. Ed. 512. Seminar in Child Development. Growth and development of elementary school children; guiding child growth in the mental, social, physical and emotional areas; individual and group work on specialized problems; field trips; observations in classrooms. Required of students in the Intensive Teacher Program for the Master of Science. Prerequisite: El. Ed. 500A. Credit: six semester hours.

El. Ed. 515. Seminar in Early Childhood Education. Curriculum development for children from three to eight; current problems and research; instructional materials and procedures; equipment; school, home, and community relationships; evaluating childrens' progress; "action research" on individual school problems. Open to graduate students and undergraduate experienced teachers. Credit: three semester hours.

El. Ed. 516. Methods and Materials in the Elementary School. School curriculum in language arts, social studies, numbers, science; evaluation procedures. Open to graduate students and undergraduate experienced teachers. Credit: three semester hours.

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

Ed. 518. Studies in Growth and Human Development. Research in child and adolescent growth; changing concepts in mental, emotional, social and personality growth; planning, executing and evaluating "action research". Open to graduate students and undergraduate experienced teachers. Credit: three semester hours.

El. Ed. 520. Workshop in Elementary School Administration and Supervision. Selection, induction and guidance of new teachers; development of school-community relations; curriculum improvement; adjustment of school facilities to increasing enrollments; in-service education of staff personnel; elementary school problems suggested by the group. Open to princi-

pals, supervisors and experienced teachers preparing for certification. Credit: two semester hours.

El. Ed. 521. The Elementary School Curriculum. Review of child nature, learning process, 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; community resources; individual differences. Open to graduate students and undergraduate experienced teachers. Credit: three semester hours.

El. Ed. 522. Psychology of the Pre-school Child. Motor, language, social, emotional and intellectual development from infancy through early school years; influence of physical, social and cultural environment; observation of children. Open to graduate students and undergraduate experienced teachers. Credit: three semester hours.

Ed. 523. Principles and Practices of Guidance. Principles of pupil personnel services; formulating new principles; basic pupil personnel services and techniques in the public school. Open to graduate students and undergraduate experienced teachers. Credit: three semester hours.

El. Ed. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: three semester hours.

Ed. 528. Human Relations Workshop. Inter-group problems relating to race, religion, or national origin; slow and rapid learners; old and new residents; "fringers" and participants; competitive practices in school; dividing and integrating factors affecting learning. Open to graduate and advanced undergraduate students. Enrollment limited. Credit: two to six semester hours.

El. Ed. 529. Workshop in the Teaching of French in the Elementary Grades. French conversation; French civilization; observation and participation in a French demonstration class in Campus School. Open to graduates and qualified undergraduates. Credit: six semester hours.

El. Ed. 530. Principles of Supervision. Historical developments and changing concepts of supervision; principles of effective supervisory programs; types of administrative organization; maintaining staff morale. Open to experienced teachers, principals and supervisors. Credit: three semester hours.

El. Ed. 585. Reading Clinic. Effective teaching procedures to achieve competence in comprehension, facility, word recognition and spelling; identification of reading needs; maladjustments related to reading disability; remedial instruction for specific problems. Open to graduate students and undergraduate experienced teachers. Credit: six semester hours.

El. Ed. 590. The Preparation of Laboratory School Teachers. Practical experience in the Summer Campus School in directing work of student teachers through demonstration teaching, planning instruction, conferences, and teacher evaluation; lectures and readings; conferences with staff members and Campus School; preparation of a term paper. Not open to students with credit for El. Ed. 508. Credit: six semester hours.

program. Open to experienced teachers, principals and supervisors. Credit: three semester hours.

Ed. 533. Workshop in Audio-Visual Education. Basic audio-visual teaching methods; knowledges and skills in use of equipment; films, filmstrips, slides, and other materials; sources of material and equipment; audio-visual programs in the school; film libraries; ordering of materials; budgets and administration; evaluation of the program. Credit: three semester hours.

Ed. 540. International Seminar in Education. Scheduled trips to International Educational organizations, Swiss schools and camps; week end excursions; individual research projects; participation at annual International Education Conference at the Palace Wilson and International School at Geneva. Open to graduate and advanced undergraduate students. Credit: two to six semester hours.

El. Ed. 550. Project. A study undertaken by one or more individuals on a problem of special interest; must be submitted in acceptable form according to directions given by the Graduate Division. Credit: four semester hours.

Ed. 566. Safety Education. Kinds and frequency of accidents; psychology in accident prevention; safety in home, school, shop, playground and community; water, traffic and fire safety; recreation safety; poisons and emergency treatment; effect of narcotics; teaching safety in the public schools. Eight hours per week. Credit: three semester hours.

Ed. 567. Driver Education. Behind-the-wheel instruction of a trainee driver; traffic and pedestrian safety; psycho-physical testing; traffic law; accident statistics; accident prevention; traffic engineering; liability; insurance interpretation; effects of alcohol; theory and maintenance of automobile; cooperating agencies; special research project. Required for certification to teach Driver Education in New York.

Ed. 575. Research Techniques. Various research techniques; collecting, classifying, evaluating data. Required of all candidates for Master of Science degree not writing a thesis, or completing a project. Credit: two semester hours.

EDUCATION OF EXCEPTIONAL CHILDREN DIVISION

Horace Mann, Director

Associate Professor Gallagher; Assistant Professor Lipton

Ed. Ex. 201. Orientation in the Education of Exceptional Children. Atypical children, their mental, social and vocational problems; the principles of educating the blind, the cardiopathic, the deaf, the hard of hearing, the lowered vitality, the mentally retarded, the gifted, the orthopedically handicapped, the partially sighted, the speech defective, the epileptic, and the socially maladjusted. Required for graduation in education of handicapped children. Elective for all upper-classmen. Each semester. Three hours per week. Credit: three semester hours.

Ed. Ex. 204. Science of Speech and Hearing. Anatomy and physiology of the ear and the organs of speech beginning with embryological development; production and reception of spoken language. Required for students majoring in education of hard of hearing and speech correction. Offered second semester. Three hours per week. Credit: three semester hours.

Ed. Ex. 301. Survey of Eye Conditions. Ocular problems, including the anatomy, physiology and hygiene of the eye together with a study of common eye diseases and refractive errors. Required for students majoring in education of partially-sighted children. Two hours per week. Credit: two semester hours.

Ed. Ex. 302. Survey of Eye Conditions. Continuation of Ed. Ex. 301. Required for students majoring in education of partially-sighted children. Prerequisite Ed. H. 301. Two hours per week. Credit: two semester hours.

Ed. Ex. 305. Introduction to Phonetics. Production and representation of English (American) speech sounds; application of phonetics to the correction of deviations in children's speech. Required of students majoring in speech correction and education of hard of hearing. Offered second semester. Two hours per week. Credit: two semester hours.

Ed. Ex. 306. Speech Pathology. Introduction to the defects of speech; etiology and therapeutic procedures for treatment of functional and mild organic speech problems; observation and treatment of minor disorders. Required of students majoring in speech correction. Prerequisite Ed. Ex. 204, and 305. Offered first semester. Three hours per week. Credit: three semester hours.

Ed. Ex. 307. Speech Pathology. Etiology and therapy of more severe speech defects particularly extensive organic problems; observation of diagnosis and treatment. Required of students majoring in speech correction. Prerequisite Ed. Ex. 306. Offered second semester. Three hours per week. Credit: three semester hours.

Ed. Ex. 308. Clinical Procedures in Speech Correction. Techniques of examination and treatment of children with speech defects; organization and operation of public school speech correction programs; work with children in the out-patient clinic under supervision. Required of students majoring in speech correction. Prerequisite: Ed. Ex. 307. Offered second semester. Six hours per week. Credit: three semester hours.

Ed. Ex. 310. Mental and Educational Measurement. Construction, use and in-

terpretation of mental and educational achievement tests. Required for students majoring in education of mentally retarded and orthopedically handicapped children. Offered first semester. Three hours per week. Credit: three semester hours.

Ed. Ex. 311. Language Development for Children with Hearing Loss. Principles and techniques of assisting the hard of hearing child in communication; methods of teaching lip reading, auditory training and speech improvement. Required of students majoring in education of hard of hearing. Offered first semester. Three hours per week. Credit: three semester hours.

Ed. Ex. 322. Methods of Teaching Children with Retarded Mental Development. Organization of a school program for mentally subnormal children; selecting and evaluating suitable group and individual activities; observation of classes for mentally retarded children. Required for students majoring in education of mentally retarded children. Offered second semester. Four hours per week. Credit: three semester hours.

Ed. Ex. 324. Methods of Teaching Children with Hearing Loss. Organizing a school program for hard of hearing children; selecting and evaluating suitable group and individual activities for the teaching of basic school subjects; observation of classes for the hard of hearing. Required for students majoring in education of hard of hearing children. Offered second semester. Four hours per week. Credit: three semester hours.

Ed. Ex. 328. Methods of Teaching Children with Orthopedic Handicap. Organizing a school program for orthopedically handicapped children; selecting and evaluating suitable group and individual activities for the teaching of basic school subjects; observations of special classes for the crippled child. Required for students majoring in the education of orthopedically handicapped children. Offered second semester. Four hours per week. Credit: three semester hours.

Ed. Ex. 330. Methods of Teaching Children with Partial Sight. Organizing a school program for partially-sighted children; adaptation of program, choice and use of sight-saving materials; observation of classes for partially-sighted children. Required of students majoring in education of partially-sighted children. Offered second semester. Four hours per week. Credit: three semester hours.

Ed. Ex. 401. Practicum in Teaching*. Teaching in a regular elementary school under supervision; conferences on teaching problems. First half of the first semester of the senior year. All day, first four days of the week; individual conference on the fifth day. Credit: eight semester hours.

Ed. Ex. 401. Practicum in Teaching Children with Retarded Mental Development. Practice teaching under supervision in a special class for children with retarded mental development. Second half of the first semester of the senior year. Prerequisite: Education 401, to be taken during the first half of the first semester of the senior year. All day, first four days of the week; individual conferences on the fifth day. Credit: seven semester hours.

Ed. Ex. 403. Practicum in Teaching Children with Hearing Loss. Student teaching under supervision in a special class for children who are hard of hearing.

* Required of all students enrolled in the Division of Education for Exceptional Children.

Second half of the first semester of the senior year. Prerequisite: Education 401, to be taken during the first half of the first semester of the senior year. All day, first four days of the week; individual conferences on the fifth day. Credit: seven semester hours.

Ed. Ex. 405. Practicum in Speech Correction. Teaching under supervision of a public school speech correctionist. Second half of the first semester of the senior year. Prerequisite: Education 401, which should be taken during the first half of the first semester of the senior year. All day, first four days of the week; individual conferences on fifth day. Credit: seven semester hours.

Ed. Ex. 407. Practicum in Teaching Children with Orthopedic Handicap. Student teaching under supervision in a special class for orthopedically handicapped children. Second half of the first semester of senior year. Prerequisite: Education 401 which should be taken during first half of first semester of senior year. All day, first four days of the week; individual conferences on fifth day. Credit: seven semester hours.

Ed. Ex. 409. Psychology of Exceptional Children. The psychology of all types of handicapped children; test materials, their use and interpretation; visits to clinics and special classes; case studies. Second semester. Three hours per week. Credit: three semester hours.

Ed. Ex. 411. Practicum in Teaching of Children with Partial Sight. Student teaching under supervision in a special class for children with low vision. Second half of the first semester of the senior year. Prerequisite: Education 401 which should be taken during the first half of the first semester of the senior year. All day, first four days of the week; individual conferences on fifth day. Credit: seven semester hours.

Ed. Ex. 422. Audiometry and Hearing Aids. Study and measurement of hearing; administration of individual and group audiometric examinations; interpreting audiograms; principles of construction, fitting and use of individual hearing aids. Required of all students majoring in education of the hard of hearing. First semester. Four hours per week. Credit: three semester hours.

GRADUATE COURSES IN EDUCATION FOR EXCEPTIONAL CHILDREN

Ed. Ex. 501. Workshop in Education of Children with Retarded Mental Development. Observation and individual participation in a class for mentally defective children; group discussions and experimentation in techniques and materials. Summer Session. Credit: six semester hours.

Ed. Ex. 502. Workshop in Education of Children with Orthopedic Handicap. Observation and individual participation in class and orthopedically handicapped children; techniques and materials for academic and non-academic curriculum; class discussions and reports. Credit: six semester hours.

Ed. Ex. 503. Clinical Procedures in Speech Correction. An advanced practicum, work under supervision with severely speech handicapped children. Prerequisite:

Ed. Ex. 204, 305, 306 and 308 or equivalent. Credit: six semester hours.

Ed. Ex. 511. Seminar in Education of Children with Retarded Mental Development. Problems of class organization, grouping and curriculum; educational psychology for the retarded; psychological tests and their interpretation. Second semester. Credit: three semester hours.

Ed. Ex. 512. 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. Credit: two semester hours.

Ed. Ex. 513. Seminar in Speech Science. Anatomy, physics and physiology of speech, stressing research and experimental studies in the field. Prerequisite: Ed. Ex. 204, 305, 306 and 308 or equivalent. Credit: two semester hours.

Ed. Ex. 520. Speech Correction for Elementary School Teachers. Types and causes of speech defects and disorders found in elementary school children; methods of treatment of minor disorders by the classroom teacher; some phonetics and speech science; observation of children presenting various speech problems. Credit: two semester hours.

Ed. Ex. 521. 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. Credit: two semester hours.

Ed. Ex. 522. Guidance of Children with Orthopedic Handicap. The crippled from the medical viewpoint-causes and incidence of crippling condition; vocational guidance. Physicians, social workers, employers and other specialists as guest lectures. Credit: two semester hours.

Ed. Ex. 524. Introduction to Audiology. The clinical treatment of hearing problems designed particularly to assist the speech correctionist. Hearing testing, hearing aid construction, and research in the field of audiology. Prerequisite: Ed. Ex. 204, 305, 306 and 308 or equivalent. Credit: two semester hours.

Ed. Ex. 525. Thesis. Individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: six semester hours.

Ed. Ex. 533. Seminar in Speech Pathology. Research studies in the areas of stuttering, voice defects, cleft palate, and cerebral palsy. Prerequisite: Ed. Ex. 204, 305, 306 and 308 or equivalent. Credit: two semester hours.

Ed. Ex. 535. Mental Measurement. Presentation use and interpretation of mental and performance tests; demonstrations; student participation in giving psychometric examinations. Credit: two semester hours.

Ed. Ex. 550. Project. An investigation of some problem closely related to field of special interest, approved by the student's advisor and by the head of the division or department concerned. Credit: four semester hours.

Ed. 575. Research Methods and Techniques. See description under Graduate Division, Education Department write-up. Credit: two semester hours.

ENGLISH DEPARTMENT

Arthur L. Bradford, Chairman

Professors Cochnower, Drew, Fried, Ganey, Goossen, Gragg, Greenwood,

Gronewold; Associate Professors Grabau, Schuck; Assistant Professors McRae, Norenberg, Piquette, Smith, Trueblood.

Eng. 101. **English Composition.** Principles of clear and effective writing; the sentence, the paragraph, the whole composition; dictionary drill and vocabulary building; research paper. Required of all freshmen. Each semester. Three hours per week. Credit: three semester hours.

Eng. 201. **Advanced Composition.** Usage and the art of writing; practice with short and long papers; readings in contemporary prose. Required of Elementary Education and Home Economics sophomores except students who receive a grade of A or B in Eng. 101 (may take English elective courses). Each semester. Three hours per week. Credit: three semester hours.

Eng. 102. **Fundamentals of Speech.** Voice and diction; basic principles of speaking and reading; phonetics; voice recordings. Required of all freshmen. Each semester. Three hours per week. Credit: three semester hours.

Eng. 202. **Public Speaking.** Organization, delivery, and evaluation of the public speech; practice with discussion techniques. Required of Industrial Arts sophomores. Each semester. Three hours per week. Credit: three semester hours.

Eng. 203. **Modern Drama.** Chief modern dramatists of Continental Europe, England, and America from Ibsen to the present time. Elective for sophomores, juniors, and seniors. Second semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 204. **English Literature.** English prose and poetry from the Middle Ages to the present time. Required of Elementary Education and Home Economics sophomores. Each semester. Three hours per week. Credit: three semester hours.

Eng. 205. **General Literature.** Literary masterpieces of Western civilization: English and American poetry and prose: translations from the Greek, Latin, French, German and Russian. Required of all Art Education sophomores. Each semester. Three hours per week. Credit: three semester hours.

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

Eng. 213. **Junior High School Literature.** English and American prose and poetry appropriate for early secondary grades. First semester, 1956-7; first semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 220. **Creative Writing.** Individual writing projects to suit interests and abilities of students. Elective for sophomores, juniors, and seniors. Second semester, 1955-6; second semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 301. **Play Direction.** Play selection and analysis; casting; rehearsals; student productions. Elective for sophomores, juniors, and seniors. First semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 304. **American Literature.** Major writers and literary movements of the United States from the Colonial Period to recent times. Required of Industrial Arts and Elementary Education juniors. Each semester. Three hours per week. Credit: three semester hours.

Eng. 306. **Advanced Speech.** Informative talks; individual and group reading of poetry; story telling. Required of all Elementary Education juniors. Each semester. Three hours per week. Credit: three semester hours.

Note: Students must have a grade of C or higher in this course as a prerequisite for Ed. 401 and Ed. 401C.

Eng. 307. **The Literature of the Bible.** Selected writings of the Old and New Testaments studied as literature; Biblical poetry and prose; influence of Bible translations on the English language. Elective for sophomores, juniors and seniors. Second semester, 1955-56; second semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 309. **Public Discussion.** Group discussion, including debate; parliamentary procedure; panel presentations; interview techniques; oral reports. Elective for juniors and seniors. First semester, 1955-6; first semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 315. **Seventeenth Century Poetry.** Lyric and dramatic poetry: Shakespeare, Donne, Herrick, Jonson, Milton, and others. Elective for sophomores, juniors, and seniors. First semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 331. **Modern British and American Poetry.** Major poets and the more significant tendencies of poetry from 1912 to the present time. Elective for sophomores, juniors, and seniors. Second semester, 1955-6; second semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 334. **The World Novel.** Major figures in the development of the novel during the past three centuries; Fielding, Balzac, Flaubert, Dostoiivski, Tolstoi, the Brontës, Hardy, Hawthorne, and James. Elective for juniors and seniors. Second semester, 1955-6. Three hours per week. Credit: three semester hours.

Eng. 335. **The American Novel Before 1900.** Cooper, Hawthorne, Melville, Clements, James and Howells. Elective for juniors and seniors. First semester, 1956-7; first semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 336. **Chaucer and His Age.** Representative works of Chaucer; supplemental readings in the early drama, romance, and popular ballads. Elective for juniors and seniors. Second semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 345. **Radio and Television in Education.** Broadcasting and its history; program evaluation; recordings; radio and television in the classroom; tours of broadcasting facilities; research paper. Elective for sophomores, juniors, and seniors. Second semester, 1956-7; second semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 346. Acting-Theory and Practice. Tutorial study of acting for students with special interests and aptitudes. Prerequisite: Previous participation in two major roles in college productions. Second semester, 1955-6; second semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 348. Creative Dramatics. History, philosophy, methods, and materials of informal playmaking with children; observation and participation in Campus School. Elective for juniors and seniors. Second semester, 1955-6; second semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 401. Survey of Drama. Representative playwrights of Western European culture: Sophocles, Plautus, Jonson, Moliere, de Vega, Sheridan, Chekhov, Ibsen, Shaw and O'Neill. Elective for juniors and seniors. Second semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 402. Contemporary Literature. British and American literature of the twentieth century: poetry, the novel, and the drama. Required of all Elementary Education seniors. Each semester. Three hours per week. Credit: three semester hours.

Eng. 406. The English Novel. Great English novels of the nineteenth century as an art and as a manifestation of social interests. Elective for juniors and seniors. First semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 407. Romantic Movement. Romantic poetry and prose: Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats; critics of the period. Elective for sophomores, juniors, and seniors. First semester, 1955-6; first semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 408. The Short Story. Development of the short story: Hawthorne, Poe, Bierce, W. D. Steele, Susan Glaspell, Ring Lardner, O. Henry, Hemingway, and others. Elective for sophomores, juniors, and seniors. First semester, 1955-6; second semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 415. Shakespeare I. Representative comedies and tragedies. Elective for juniors and seniors. Second semester, 1955-6; second semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 416. Shakespeare II. A similar study of another group of plays. Elective for juniors and seniors. First semester, 1956-7; second semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 420. Oral Interpretation of Literature. Oral reading of prose, poetry, and drama; selection and arrangement of material for formal and informal audiences. Elective for sophomores, juniors, and seniors. First semester, 1955-6; first semester, 1957-8. Three hours per week. Credit: three semester hours.

Eng. 422. Victorian Poetry. Tennyson, Browning, Arnold, and others; relation to social, political, and scientific developments of the age. Elective for juniors and seniors. Second semester, 1956-7. Three hours per week. Credit: three semester hours.

Eng. 423. Nineteenth Century English Prose. Carlyle, Macaulay, Newman, Mill, Ruskin, Arnold, Huxley, and Pater. Elective for juniors and seniors. First semester, 1955-6. Three hours per week. Credit: three semester hours.

Eng. 425. Journalism. News, feature, and editorial writing; copy reading; make-up; advertising; public relations; elementary school journalism. Elective for upperclassmen. First semester, 1955-6; 1956-7; 1957-8. Three hours per week. Credit: three semester hours.

Eng. 431. Milton. Prose and poetry of John Milton emphasizing *Paradise Lost*. Elective for juniors and seniors. Second semester, 1955-6; 1957-8. Three hours per week. Credit: three semester hours.

Eng. 445. Philosophy in Literature. Major philosophic viewpoints in general literature; literary masterpieces with strong philosophic import. Elective for juniors and seniors. First semester, 1956-7. Three hours per week. Credit: three semester hours.

GRADUATE COURSES IN ENGLISH

Eng. 502. Studies in American Literature. Literary culture in America from the Colonial Period to the present; religious and political influences upon early writings; the Romantic Movement and Transcendentalism; realism and regional literature. Three hours per week. Credit: three semester hours. First semester, 1955-6.

Eng. 505. Studies in the Novel. The novel in England, especially in the Nineteenth Century; major novelists; research. Three hours per week. Credit: three semester hours. Second semester, 1955-6.

Eng. 506. Studies in the Modern Drama. Renaissance of drama in Europe and America; Ibsen and the play of ideas; realism, naturalism, symbolism, sociological drama. Three hours per week. Credit: three semester hours. First semester 1954-5.

Eng. 507. The Modern Novel. Outstanding American and English twentieth century novels; their social and artistic significance. Three hours per week. Credit: three semester hours. First semester, 1955-6.

Eng. 511B. Studies in the Prose of the Victorian Period. Major Victorian essayists with reference to the intellectual background of Nineteenth-Century England: Carlyle, Newman, Macaulay, J. S. Mill, Ruskin, and Arnold. Three hours per week. Credit: three semester hours. Second semester 1954-5.

Eng. 518. Major American Poets. Nineteenth century poets of first rank and their contributions to a national literature; some attention to chief figures in the poetry revival of the 20th century. Three hours per week. Credit: three semester hours. First semester, 1954-5.

Eng. 520. Shakespearean Tragedy. Esthetic and philosophic qualities of Shakespeare tragedy studied in the playwright's mature plays: *Hamlet*, *Othello*, *Lear*, *Macbeth*; readings in Shakespeare criticism. Three hours per week. Credit: three semester hours. Second semester, 1954-5.

Eng. 521. Studies in Modern British Poetry. Significant trends and figures in British poetry since 1890; emphasis upon the work of two writers from the following group: Hardy, Hopkins, Housman, Yeats, and Masfield. Three hours per week. Credit: three semester hours. Second Semester, 1955-6.

Eng. 522. Studies in Modern American Poetry. Significant trends and figures in American poetry since 1912; emphasis upon the work of two writers from the

following group: Robinson, Frost, Millay, Eliot, and Benet. Three hours per week. Credit: three semester hours. Second semester, 1954-5.

Eng. 524. Realism in American Literature. Realistic writers of the late 19th century: Howells, James, Clemens, Crane, Norris, and others. Three hours per week. Credit: three semester hours. Second semester, 1955-6.

Eng. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: six semester hours.

Eng. 550. Project. Study undertaken by one or more individuals on a problem of special interest; must be submitted in acceptable form according to directions given by the Graduate Division. Credit: four semester hours.

Ed. 575. Research Methods and Techniques. See description under Graduate Division, Education Department. Credit: two semester hours.

FOREIGN LANGUAGE DEPARTMENT

Charles A. Messner, Chairman
Assistant Professor Guerra

Students admitted to the Elementary Education Division lacking two years of high school credits in foreign language must complete six semester hours by electing Elementary French 101-102, Elementary Spanish 101-102 or Elementary German 101-102 in their freshman or sophomore year. Students having two years of high school credit in foreign language wishing to continue study in college should elect the intermediate courses: French 201, 202; Spanish 201, 202; German 201, 202. All courses in foreign language are elective to students in all divisions.

I FRENCH

Fr. 101, 102. Elementary French. Fundamentals of the French language; pronunciation, principles of grammar, easy reading; increased emphasis during the second semester on speaking and writing French. For students with no previous knowledge of French. Each semester. Three hours per week. Credit: six semester hours.

Fr. 201, 202. Intermediate French. Reading of short stories, longer prose narrative, plays and selected poems; grammar review and composition. Prerequisite: at least two years of high school French or completion of French 101, 102. Each semester. Three hours per week. Credit: six semester hours.

Fr. 301. Masterpieces of French Literature. Reading of selected masterpieces from all periods of French literature. Given 1954-55, 1956-57. Prerequisite: French 201 and 202. Credit: three semester hours.

Fr. 302. French Civilisation. Contributions of France to present-day civilization; chief aspects of contemporary French life. Prerequisite: French 201 and 202. Credit: three semester hours. Given 1954-55, 1956-57.

Fr. 303. Classical French Drama. Reading of the best plays of Corneille, Molière and Racine. Prerequisite: French 301. Credit: three semester hours.

Fr. 304. Modern French Drama. Reading of plays which illustrate Romanticism, Realism and Symbolism in 19th century French drama. Prerequisite: French 301. Credit: three semester hours.

Fr. 401. Contemporary French Literature. Chief literary trends and major authors of the last half century. Prerequisite: French 201 and 202. Given 1955-56, Credit: three semester hours.

Fr. 402. French Composition and Conversation. Daily practice in writing and speaking French. Prerequisites: French 201 and 202. Given 1955-56, 1957-58. Credit: three semester hours.

II SPANISH

Sp. 101-102. Elementary Spanish. Grammar, composition and conversation, reading of elementary texts. For students with no previous knowledge of Spanish. Each semester. Three hours per week. Credit: six semester hours.

Sp. 201, 202. Intermediate Spanish. Reading of modern Spanish and Spanish-American authors in the fields of the novel, short story and drama; vocabulary study. Prerequisite: at least two years of high-school Spanish or completion of Spanish 101, 102. Each semester. Three hours per week. Credit: six semester hours.

Sp. 301. Spanish Conversation and Composition. Exercises to facilitate comprehension and fluent self-expression; emphasis on Spanish and Spanish-American spoken idiom, syntax and vocabulary; use of recording aids. Prerequisite: Spanish 201. Given 1954-55, 1956-57. Credit: three semester hours.

Sp. 302. Modern Spanish Masterpieces. Representative genres of recent Spanish literature: the novel, drama, literary criticism and modern poetry. Prerequisite: Spanish 201. Given 1954-55, 1956-57. Credit: three semester hours.

Sp. 304. Spanish-American Civilisation. Readings, lectures and discussions on the main currents of Spanish-American life with emphasis on artistic and intellectual developments in the Americas. Conducted in Spanish. Prerequisite: Spanish 201. Given 1955-56, 1957-58. Credit: three semester hours.

Sp. 401. Cervantes. Critical study of "Don Quixote" with collateral reading from the "Exemplary Novels." Prerequisite: ability to read advanced Spanish. Credit: three semester hours.

Sp. 402. Spanish Classical Drama. Reading from the plays of Lope de Vega and Calderon and their contemporaries. Prerequisite: ability to read advanced Spanish. Given 1955-56, 1957-58. Credit: three semester hours.

III GERMAN

Ger. 101, 102. Elementary German. Fundamentals of the German language; pronunciation, principles of grammar, easy reading; increased emphasis during the second semester on writing and speaking German. For students with no previous knowledge of German. Each semester. Three hours per week. Credit: six semester hours.

Ger. 201, 202. Intermediate German. Reading of short stories, longer prose narrative and modern plays; grammar review, composition and conversation. Prerequisite: at least two years of high school German or completion of German 101, 102. Each semester. Three hours per week. Credit: six semester hours.

IV LATIN

Lat. 201, 202. Latin Prose and Poetry. Reading from such prose writers as Aulus Gellius, Nepos, Sallust or Livy and such poets as Virgil, Catullus, Ovid and Martial; grammar review and vocabulary study; principles of Latin meter. Prerequisite: at least two years of high school Latin. Each semester, each year. Three hours per week. Credit: six semester hours.

Lat. 301. Silver Age Prose. Reading of selections from representative authors of the post-Augustan period. Prerequisite: Latin 201-202. Given on demand. Credit: three semester hours.

Lat. 302. Horace. Reading of selections from the odes, epodes, satires and epistles. Prerequisite: Latin 201-202. Given on demand. Credit: three semester hours.

Lat. 303. Latin Drama. Reading of representative comedies of Plautus and Terence. Prerequisite: Latin 201-202. Given on demand. Credit: three semester hours.

Lat. 401. Mediaeval Latin. Reading of selections from all types of Latin literature of the Middle Ages. Prerequisite: Latin 201-202. Given on demand. Credit: three semester hours.

GEOGRAPHY DEPARTMENT

Katheryne T. Whittemore, Chairman

Associate Professor Redden; Assistant Professor Laux

Geog. 301. General Geography I. Geography of the world organized by climatic regions: the low latitudes, the high latitudes, arid and semi-arid regions of intermediate latitudes; physical, cultural and economic conditions of each region; interpretation of maps. Required of Elementary Education juniors. Each semester. Three hours per week. Credit: three semester hours.

Geog. 302. Geography of North America. Landforms and climates; land-use regions: distribution of resources; changing pattern of land use; industrial development. Elective for sophomores, juniors, and seniors. Each semester. Three hours per week. Credit: three semester hours.

Geog. 402. General Geography II. Second half of geography of the World; climatic regions of intermediate latitudes: physical backgrounds; mining, manufacturing, trade, transportation and agriculture; interdependence of regions; distribution of world population. Required of Elementary Education seniors. Prerequisite: Geog. 301. Each semester. Three hours per week. Credit: three semester hours.

Geog. 405. Geography of Asia. Physical background, cultural and economic conditions of each area related to contemporary social, economic, and political problems of geographic conditions. Elective for sophomores, juniors, and seniors. Each semester. Three hours per week. Credit: three semester hours.

Geog. 406. Geography of New York State. Landform regions, climates, and natural resources; development of transportation; utilization and conservation of mineral, forest, wild life, and water resources; agriculture, manufacturing, and recreation as a business; distribution of population; location and functions of cities. Elective for sophomores, juniors, and seniors. Each semester. Three hours per week. Credit: three semester hours.

Geog. 407. Conservation of Natural Resources. Depletion of resources: soil, water, wildlife, minerals, forests, and grasslands; wise use of resources; conservation programs in the United States. Elective for sophomores, juniors, and seniors. Each semester. Three hours per week. Credit: three semester hours.

GRADUATE COURSES IN GEOGRAPHY

Geog. 500. Geography of Eastern Asia. China, Japan, Korea, eastern U.S.S.R., the Indo-China Peninsula, and the East Indies: physical characteristics; economic, social, and political conditions. Three hours per week. Credit: three semester hours.

Geog. 501. Studies in Industrial Geography. Selected current topics such as Petroleum and World Politics, Niagara Power Development, Coffee in World Trade, The Chemical Industry of the Niagara Frontier, Production and Distribution of Strategic Minerals; field studies of a local area industry. Credit: three semester hours.

Geog. 502. Map Interpretation for Teachers. History of maps, map interpretation, methods of developing map-reading skills, maps in the elementary school. Credit: three semester hours.

S. S. 507. Field Course in the History and Geography of New York State. See listing under Social Studies, Graduate Courses.

S. S. 508. Field Course in Mexican Culture. See listing under Social Studies, Graduate Courses.

El. Ed. 575. Research Methods and Techniques. See description under Graduate Division. Education Department.

Geog. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: six semester hours.

Geog. 550. Project. A study undertaken by one or more individuals on a problem of special interest; must be submitted in acceptable form according to directions given by the Graduate Division. Credit: four semester hours.

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

Artroll L. Wegner, Chairman

Associate Professors: Adessa, Coyer, Katzman, Roach; Assistant Professors: Provenzano, Brinsmaid, Desch.

P. Ed. 101 and 102. Physical Education Activities. Women's activities such as archery, badminton, deck tennis, folk dancing, rhythms, softball, shuffle board, swimming, volleyball and winter sports. Men's activities such as basketball, volleyball, badminton, paddle tennis, softball, golf, tennis and swimming. Basic fundamentals in all individuals and team activities. Required for Elementary Education, Home Economics and Art Education freshmen; optional for advanced students. Each semester. Two hours per week; one hour swimming, one hour gymnasium. No credit.

H. Ed. 201-202. Health Education. Personal hygiene, nutrition, respiration, circulation, excretion, grooming, vision, hearing, mental health, communicable diseases and safety. Required of Elementary Education sophomores and Art Education freshmen. Each semester. Two hours per week. Credit: two semester hours.

H. Ed. 203. Health Education. Personal hygiene, mental health, respiration, nutrition, excretion, grooming, vision, hearing, communicable disease and safety; anatomical and physiological aspects of competitive sports such as cross-country, soccer, basketball, swimming, tennis, track and field and baseball. Elective for Industrial Arts men. Each semester. Three hours per week. Credit: three semester hours.

P. Ed. 301-302. Physical Education. Principles of physical education; physical education in the elementary school; teaching motor skills; fundamental play, relays, lead-up games; rhythms, stunts and class-room games; selection of activities; safety in physical education. Required of Elementary Education juniors. Prerequisite: P. Ed. 101 and 102. Each semester. Three hours per week. Credit: two semester hours.

H. Ed. 402. 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. Prerequisite: H. Ed. 201-202. Each semester. Two hours per week. Credit: two semester hours.

P. Ed. 405. Principles of Coaching. Skills and techniques in basketball, baseball, soccer, tennis, and cross country; organization of meets and tournaments; score-keeping; officiating; interpretation of rules; court and field lay-out; purchase and care of equipment; training room organization. Elective for men. Consent of instructor required. Each semester. Three hours per week. Credit: three semester hours.

P. Ed. 406. Advanced Theory in Women's Sports. Techniques of teaching women's sports; demonstrations of teaching groups with lead-up games and skills in individual and team sports, such as archery, badminton, softball, tennis, volleyball; participation; officiating; interpretation of rules; organization of tournaments and Play Days. Elective for women. Each semester. Three hours per week. Credit: three semester hours.

HOME ECONOMICS DIVISION

Margaret A. Grant, Director

Professors Butler, Roudebush, Stewart; Associate Professors Adams, Buddenhagen, Cragun, Weaver, Westlund; Assistant Professors Aspray, Batchelder, Nudd, Schasel.

Freshman Seminar. Orientation to Home Economics. Required of Home Economics freshmen. One hour per week. Second semester. No credit.

H.Ec. 90. Clothing. Selection and construction of a simple garment; use of sewing machine. Required of Home Economics freshmen in lower group as determined by a written and practical test in clothing. First semester. Two hours per week. No credit.

H.Ec. 91. Foods and Nutrition. Various foods, basic ingredients, and procedures; product standards; menu planning; table service; management of time and equipment. Required of Home Economics freshmen in lower group as determined by a written test in foods. Each semester. Two hours per week. No credit.

H.Ec. 101-102. Introduction to Home Economics. Clothing and textiles, foods and nutrition, family living and management. Students rating high in tests in foods and clothing and who have had good practical experience may be exempt from the foods and clothing units and permitted to take advanced work in those fields. Required of Home Economics freshmen. Prerequisites: Home Economics 90 and Home Economics 91 or exemption from them. Six hours per week. Both semesters. Credit: four semester hours.

H.Ec. 203. The Child in the Family. The study of child development and guidance in the home; observation and participation in nursery schools and in the three-year-old group in the Campus School; parent-child relationships; guidance in working with young children. Required of Home Economics sophomores. Prerequisite: Education 101-102. Six hours per week. Each semester. Credit: four semester hours.

H.Ec. 204. Clothing and Costume Design. Fundamental principles of selection and construction of garments; costume design; textiles. Required of Home Economics sophomores. Prerequisite: Home Economics 102 or exemption from clothing unit. Six hours per week. Each semester. Credit: four semester hours.

H.Ec. 205. Foods and Nutrition. Food preservation; planning, purchasing, preparing, and serving foods for individual and family needs both economic and nutritional; current food problems; food principles; technique and management; hospitality. Required of Home Economics sophomores. Prerequisites: Home Economics 102 or exemption from foods unit, Science 123-124. Five hours per week. Each semester. Credit: three semester hours.

H.Ec. 206. Family Health and Home Nursing. Facts and procedures essential in safeguarding the health of the individual and family; laboratory work in home nursing; community agencies concerned with family health. Prerequisites: Science 123-124. Each semester. Credit: two semester hours.

H.Ec. 207. Clothing and Costume Design. Designing and fitting through pattern alteration and/or draping. Prerequisite: Home Economics 204 and/or approval of instructor. Each semester. Three hours per week. Credit: two semester hours.

H.Ec. 303. Economics of the Household. Management of personal and family finance; present-day problems of consumers; evaluation of aids for consumers. Required of Home Economics juniors. Prerequisite: S.S. 222. Five hours per week. Each semester. Credit: four semester hours.

H.Ec. 305. Clothing and Costume Design. Application of principles of costume design and advanced construction techniques. Required of Home Economics juniors. Prerequisite: Home Economics 204. Three hours per week. Each semester. Credit: two semester hours.

H.Ec. 306. Foods and Nutrition. Food preservation; school lunch management; meal preparation and service; nutritional problems; management, preparation, and service for large groups; demonstration. Required of Home Economics juniors. Prerequisite: Home Economics 205. Prerequisite or parallel: Science 226. Five hours per week. Each semester. Credit: three semester hours.

H.Ec.Ed. 323. Home Economics Methods and Materials. Problems of school administration and curriculum in both general and homemaking education; principles of learning and teaching; techniques in selecting, organizing, and using instructional materials; evaluation and interpretation of educational data; observation and participation. Grade of "C" is a prerequisite to H.Ec.Ed. 421. Required of Home Economics juniors. Prerequisites: Home Economics 203, 204, 205. Eight hours per week. Each semester. Credit: six semester hours.

H.Ec. 401. Home Management. Five-week study of home living and home management problems; practical study of time, energy, and money use; group social and recreational life; association with community organizations promoting satisfying home life; supplementary experiences to meet needs of individual students. Students defray own expenses. Prerequisites: Home Economics 203, 303. Five class hours per week. Each semester. Credit: four semester hours.

H.Ec. 405. Household Equipment. The selection, operation, care, and arrangement of household equipment; problems of equipment with respect to economy, efficiency, and comfortable living. Required of Home Economics seniors. Prerequisite: Science 227. Four hours per week. Each semester. Credit: three semester hours.

H.Ec. 407. Housing and Home Planning. Relation of housing to family and community welfare; standards of family housing; costs of housing in urban and rural areas; selection, construction, and renovation of furnishing for homes. Required of Home Economics seniors. Prerequisites: Art 322, Home Economics 303. Four hours per week. Each semester. Credit: three semester hours.

H.Ec. 410. Clothing. Problems of individual interest in textiles; clothing selection, buying, care, repair, restyling, and construction. Elective for students not majoring in Home Economics. Four hours per week. Each semester. Credit: three semester hours.

H.Ec. 411. Food and Nutrition. Selection and preparation and serving of well-balanced meals to meet individual and family needs; laboratory work in basic food procedures. Elective for students not majoring in Home Economics. Four hours per week. Each semester. Credit: three semester hours.

H.Ec. 412. Marriage and Family Relationships. Family relationships of the individual throughout the family life cycle; emotional development, preconceived

roles, personality, environmental, and background factors in relation to marriage adjustment. Required of Home Economics seniors and elective for students not majoring in Home Economics. Three hours per week. Each semester. Credit: three semester hours.

H.Ec.Ed. 421. Teaching Practicum. New York State program for homemaking education and its adaptation to local situations; teaching experience required in two cooperating schools outside of Buffalo; residence in school community required during student teaching; student shares in non-instructional as well as instructional responsibilities of the teacher; group and individual conferences of all student teachers held regularly at the College; students defray own travel and residence expenses. Grade of "C" is necessary to pass the course. Required of Home Economics seniors. Prerequisite: H.Ec.Ed. 323, with grade of "C or higher"; cumulative "C or higher" average in college courses. Fifteen hours per week. Each semester. Credit: nine semester hours.

Senior Seminar: Orientation to problems of Home Economics teaching; placement, salary schedules, tenure, professional organizations, teacher ethics. Required of Home Economics seniors. One hour per week. No credit.

GRADUATE COURSES IN HOME ECONOMICS

H.Ec. 500. Seminar in Home Economics Education. Recent research and problems in the field of Home Economics Education; special problems selected by individual students from the area of Home Economics Education. Credit: three semester hours.

H.Ec. 504. Problems in Foods and Nutrition. Recent research developments in foods and nutrition; problems in teaching foods and nutrition to elementary and high school groups; problems related to the individual's teaching situation. Credit: three semester hours.

H.Ec. 506. Seminar in Home Management. Newer developments in the field of managing the home; problems met in teaching management in secondary and adult classes; individual work on problems in accordance with student needs. Credit: three semester hours.

H.Ec. 507. Evaluation in Home Economics Education. Techniques and instruments for identifying and appraising progress toward goals in home economics; methods of teaching appropriate to the achievements of these objectives; individual work on problems of evaluation encountered in teaching. Credit: three semester hours.

H.Ec. 510. Practical Problems of Housing and Home Furnishing. Problems related to housing and home furnishings; planning and constructing furnishings; field trips. Credit: three semester hours.

H.Ec. 511. Methods and Materials in the Teaching of Family Relationships. Role playing, panels, types of discussion, appropriate use of films, etc.; collection, critical evaluation, and use of materials for teaching family relationships at the secondary school level. Prerequisite or concomitant: A functional course in family relationships such as H.Ec. 503—Family Relationships. Credit: three semester hours.

H.Ec. 516. Family Clothing. Purchase, selection, care, and construction of clothing for the family; management of time and money as they relate to clothing

problems; trips, speakers, discussions, demonstrations, and work on problems for which the individual feels a definite need. Credit: three semester hours.

H.Ec. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: six semester hours.

H.Ec. 550. Project. An undertaking pursued by one or more students on some problem closely related to the field of special interest. The project must be approved by the student's advisor and by the head of the division or department concerned. Credit: four semester hours.

Ed. 575. Research Methods and Techniques. See description under Education Department. Credit: two semester hours.

EDWARD H. BUTLER LIBRARY
STATE UNIVERSITY COLLEGE
1300 ELMHURST AVENUE
BUFFALO, N. Y. 14222

INDUSTRIAL ARTS DIVISION

Kenneth W. Brown, Director

Professors Callan, Fontana, Neuthardt; Associate Professors Brossman, Cook, Grabau, Harlan, Morrice, Russell, Steffen; Assistant Professors Cappiello, Eastwood, Meyer, Palmeter, Steinzor, Waagen.

I.A. 101. Electricity. Basic electrical and electronic principles; generation, transmission, and use of electric power; electro-chemistry; transportation and communication; operation, service, and repair of electrical devices and appliances; experimental circuit work and construction of projects suitable for the junior-senior high school. Required of Industrial Arts sophomores. Each semester. Twelve hours per week. Credit: five semester hours.

I.A. 102. Woodwork. Benchwork, cabinet making, pattern making, upholstering, carpentry, wood finishing, model making, boat building, aircraft construction; hand and machine tool methods; care, and maintenance of equipment. Required of Industrial Arts freshmen. Each semester. Twelve hours per week. Credit: five semester hours.

I.A. 103-104. Mechanical Drawing. Sketching; working, schematic and pictorial drawings; sections, auxiliaries, developments, and cams. Required of Industrial Arts freshmen. Each semester. Six hours per week. Credit: three hours each semester.

I.A. 201. Transportation. Common means of transportation: the bicycle, motorcycle, automobile, airplane, railroad, and ship; projects involving construction, planning, designing, trouble-hunting, periodic adjustment, maintenance; teaching methods and techniques. Required of all Industrial Arts students. Each semester. Twelve hours per week. Credit: five semester hours.

I.A. 202. Metalwork. Fundamentals of foundry work, sheet metal, art metal, oxy-acetylene welding, brazing, silver soldering, forging, and heat treatment; machine tool operation on lathes, milling machines, shaper, band saw, surface grinder, and necessary bench work; related lessons in metalwork. Required of Industrial Arts freshmen. Each semester. Twelve hours per week. Credit: five semester hours.

I.A. 205. Small Structure Planning. Locations, restrictions, building codes, facilities, floor plans, elevations, and specifications of dwellings; materials, equipment, and methods of construction. Elective for Industrial Arts and Art Education students. Four hours per week and assigned field trips. Credit: three semester hours.

I.A. 211. Principles and Practice of Industrial Arts I. Industrial Arts in education; teaching Industrial Arts: the philosophy, objectives, and content. Required of Industrial Arts sophomores. Each semester. Two hours per week. Credit: two semester hours.

I.A. 301. Graphic Arts. Typesetting, composition, imposition, paper estimating and cutting, presswork, bookbinding, rubber stamp making, block printing, silk screen printing, duplicating, photography, newspaper production, photo-engraving, and paper making. Required of Industrial Arts juniors. Each semester. Twelve hours per week. Credit: five semester hours.

I.A. 302. General Shop. Planning and presentation of demonstrations; selection, design, and planning of projects; selection and construction of teaching aids; general

shop organization and administration. Required of Industrial Arts seniors. Each semester. Twelve hours per week. Credit: five semester hours.

I.A. 303. Industrial Arts for the Elementary School. Hand tool processes in woodworking, metalwork, textiles, ceramics, leather, and handcrafts. Group and individual projects. Required of Elementary Education juniors and seniors. Each semester. Four hours per week. Credit: three semester hours.

I.A. 305. Industrial Arts for the Handicapped. Tools, machines, materials, processes, occupations and activities that may be incorporated in an instructional program for handicapped pupils in the elementary and secondary schools. Required for students specializing in the education of mentally retarded, partially sighted, deaf, and orthopedically handicapped. Prerequisite: I.A. 303. Not open to Industrial Arts majors. Each semester. Four hours per week. Credit: three semester hours.

I.A. 311. Principles and Practices of Industrial Arts II. Methods of teaching, instructional materials, evaluation of pupil growth, library and planning centers, museums, exhibits, records, personnel systems. Required of Industrial Arts juniors. Each semester. Two hours per week. Credit: two semester hours.

I.A. 312. Principles and Practices of Industrial Arts. School shop administration, program and course of study development, record and filing systems, shop planning, safety, inter-departmental and community relations, education law. Required of Industrial Arts juniors. Each semester. Two hours per week. Credit: two semester hours.

I.A. 402. Advanced Graphic Arts. Advanced study of graphic arts processes; design, layout, four color printing in letter press; experimentation in graphic arts applicable to junior and senior high school Industrial Arts. Elective for Industrial Arts students. Prerequisite: I.A. 301. Each semester. Seven hours per week. Credit: three semester hours.

I.A. 403. Advanced Woodworking. Machine woodworking, general production practices; development of higher standards of skills; advanced cabinet making, with projects and problems involving difficult processes in wood turning, millworking, wood finishing; study of equipment and shop planning; maintenance and repair of woodworking machinery. Elective for Industrial Arts juniors and seniors. Prerequisite: I.A. 102. Each semester. Seven hours per week. Credit: three semester hours.

I.A. 404. Advanced Electricity. Advanced study of general electricity with emphasis on alternating current theory; electronic test equipment; service, repair and construction of complex A.C. devices and projects; service, repair and construction radio receivers and electronic equipment. Elective for Industrial Arts students. Prerequisite: I.A. 101. Each semester. Seven hours per week. Credit: three semester hours.

I.A. 405. Advanced Metalwork. Advanced study of metal working processes, fine tool and instrument making, heat treatment, jewelry making, repousee, operation of universal grinder, surface grinder, helical milling gear cutting, internal threading and boring, layout and inspection techniques, individual student problems. Elective for Industrial Arts students. Each semester. Seven hours per week. Credit: three semester hours.

I.A. 406. Ceramics. Materials, processes and products of the ceramic field; clay

preparation; mold making; slip casting; throwing and turning; tile making; decorating and glazing; firing. Required of Industrial Arts students. Elective for students of other divisions. Each semester. Seven hours per week. Credit: three semester hours.

I.A. 407. Textiles. Fibers, processes and products of the textile industry; weaving; dyeing; surface treatment; and finishing of fabrics. Required of Industrial Arts students. Elective for students of other divisions. Each semester. Five hours per week. Credit: two semester hours.

I.A. 408. Advanced Ceramics. Study in selected areas; hand building; performance on the potter's wheel; mass production methods; decoration; body and glaze composition; kilns and firing. Elective for all students. Prerequisite: I.A. 406. Each semester. Seven hours per week. Credit: three semester hours.

I.A. 411. Student Teaching and Conference. Full-time student teaching in selected public schools with a master teacher and guidance of a college staff member; assuming responsibilities in the total school program and community activities; developing and organizing instructional materials; devising and administering classroom procedures; evaluating pupil progress and maintaining pupil records; keeping records and inventories on materials and equipment; periodic visits to different schools. Required of Industrial Art seniors. Prerequisites: Eng. 102, Eng. 202, I.A. 311 Each semester. Twenty-five hours per week. Credit: fifteen semester hours.

GRADUATE COURSES IN INDUSTRIAL ARTS

I.A. 500. Workshop in Industrial Arts. Problems in organizing and operating Industrial Arts programs at the elementary, junior, senior high school and adult levels. Credit: two semester hours.

I.A. 501. Seminar in Industrial Arts. Discussion, research, reports on individual and group problems in Industrial Arts education. Required of Industrial Arts students registered for the degree of Master of Science. Credit: two semester hours.

I.A. 502. Field Studies Related to Industrial Arts Education. Individual and group studies of industrial activities in the Niagara Frontier; the woodworking and fabricating trades; metal industries; plastic and fibre products; graphic arts; electrical, ceramic, airplane and automotive manufacture; conferences with representatives of industry and various labor organizations. Credit: two semester hours.

I.A. 506. 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. Credit: three semester hours.

I.A. 507. 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. Credit: three semester hours.

I.A. 512. Workshop in Textiles. Organization and operation of an Industrial Arts textile unit; study of fibers and materials; techniques of fabric construction; dyeing; surface finishing and treatment; color and pattern harmonies. Credit: two semester hours.

I.A. 513. Workshop in 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. Credit: two semester hours.

I.A. 515. Transportation Laboratory. Specialized areas of transportation; planning, organization and techniques of operation; projects and problems; evaluation; models, mock-ups and other visual aids. Credit: two semester hours.

I.A. 517. Electronics. Electronics in the junior and senior high school industrial arts program; advanced electronic theory and practice in communications; development of instructional materials, demonstration equipment, projects and visual aids. I.A. 517A Credit: two semester hours. I.A. 517B Credit: two semester hours.

I.A. 519. New Methods and Techniques in Woodwork. Carving, appliques and inlays; plastic finishes, wood substitutes, wood bleaches and other more recent materials and techniques of the wood industries; individual problems of the in-service teacher. Credit: two semester hours.

I.A. 521. New Methods and Techniques in Metalworking. New materials and their possibilities for industrial arts activities; investigation of modern industrial processes in metalworking and their implications for the teaching of Industrial Arts. Credit: two semester hours.

I.A. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: Six semester hours.

I.A. 550. Project. A study undertaken by one or more individuals on a problem of special interest; must be submitted in acceptable form according to directions given by the Graduate Division. Credit: four semester hours.

ELed. 575. Research Methods and Techniques. See description under Education Department. Credit: two semester hours.

MATHEMATICS DEPARTMENT

Reuben S. Ebert, Chairman
Assistant Professor Rodney; Mr. Cherkauer.

Math. 101. 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 General Elementary freshmen. Each semester. Three hours per week. Credit: three semester hours.

Math. 102. General Mathematics. Number; processes; formulas; equations; graphs; functionality; exponents; radicals; precision and accuracy in measurement; applications and problems. Required of Industrial Arts freshmen. First semester. Three hours per week. Credit: three semester hours.

Math. 104. Applied Mathematics. Problems allied to the technical work of industrial arts: measurement, significant digits, precision, accuracy, reliability of data, types and sources of error; interpretation and derivation of formulas; linear and quadratic equations; primary trigonometric functions; graphs; analysis and solution of problems. Required of Industrial Arts freshmen. Prerequisite: Mathematics 102. Second semester. Three hours per week. Credit: three semester hours.

Math. 201. College Algebra. Functionality; equations; graphs; variation; progressions; complex numbers; mathematical induction; theory of equations; logarithms; permutations; combinations; probability; determinants; series. Elective for sophomores. Each semester. Three hours per week. Credit: three semester hours.

Math. 202. Plane Trigonometry. Functions of acute angles; solution of right triangles; application of logarithms; functions of the general angle; oblique triangles; identities; inverse functions; graphs of the functions; trigonometric equations; DeMoivre's Theorem, miscellaneous problems. Elective for sophomores. Each semester. Three hours per week. Credit: three semester hours.

Math. 301. Plane Analytics. Algebraic geometry of the straight line, circle, parabola, ellipse, and hyperbola; general equation of the second degree; translation and rotation of axes; general loci; rectangular and polar coordinates. Elective for juniors and seniors. Prerequisites: College Algebra and Plane Trigonometry. First semester. Three hours per week. Credit: three semester hours.

Math. 303. Mathematics in the Elementary Grades. History of number and processes; relationships; generalizations; meanings; measurement; problem solving; professional literature and research; development of a philosophy of teaching mathematics; analysis of arithmetic textbooks; visual aids and techniques. Elective for juniors and seniors. Prerequisite: Mathematics 101 or its equivalent. Each semester. Three hours per week. Credit: three semester hours.

Math. 403. Differential Calculus. Variables; functions; limits; the derivative and its meaning. differentiation of algebraic and transcendental functions; maxima and minima; successive differentiation; differentials; partial derivatives; applications and problems. Elective for juniors and seniors. Prerequisites: College Algebra, Plane Trigonometry, and Plane Analytics. Second semester. Three hours per week. Credit: three semester hours.

GRADUATE COURSES IN MATHEMATICS

Math. 500. 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. Three hours per week. Credit: three semester hours.

El.Ed. 575. Research Methods and Techniques. See description under Graduate Division, Education Department. Credit: two semester hours.

Math. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: six semester hours.

Math. 550. Project. A study undertaken by one or more individuals on a problem of special interest; must be submitted in acceptable form according to directions given by the Graduate Division. Credit: four semester hours.

MUSIC DEPARTMENT

Silas L. Boyd, Chairman

Professor Wincenc; Associate Professors: Webster, English; Assistant Professors: Bailey, Homer. Talmadge.*

Mus. 101-102. Essentials of Music. Elements of music: rhythmic, melodic, and harmonic; sight-singing; ear training; writing; playing; required attendance at subscription concerts by Buffalo Philharmonic Orchestra in Kleinhans Music Hall. Required of Elementary Education freshmen. Three hours per week. Each semester. Credit: four semester hours.

Mus. 110. Music in Living. General study of the development of latent abilities in singing; playing instruments; rhythmic response; recordings, sound films, music scores; attendance at local concerts. Required of Art students. Four hours per week. One semester. Credit: three semester hours.

Mus. 212. Remedial Piano Class. For beginners recommended by faculty, to aid the student complete requirements of Music 101-102.

Mus. 303. Voice Culture and Repertory. Diction; breath control; tone coloring, voice problems; program making. Elective for sophomores, juniors and seniors. Three hours per week. Each semester. Credit: three semester hours.

Mus. 304. Music for Children I. Music in the nursery, kindergarten, and primary grades; songs; rhythmic activities; the child voice; recordings; creative music; instruments: the piano, autoharp, and other accompaniment devices; song stories; texts in the field. Elective for sophomores, juniors and seniors. Three hours per week. Each semester. Credit: three semester hours.

Mus. 305. Music for Children II. Music in intermediate grades; songs, operettas, folk dances, rhythmic activities, music reading, current texts, films, recordings; use of instruments; instrumental and vocal accompaniments. Elective for sophomores, juniors and seniors. Three hours per week. Credit: three semester hours.

Mus. 306. *Symphony Orchestra. Participation in student orchestra of full symphonic instrumentation; practice in playing orchestral literature; auditions at the beginning of each semester. Elective for all students. Two hours rehearsal per week, one hour sectional rehearsals for strings, woodwinds and brass. Credit: one semester hour.

Mus. 307 *Women's Glee Club. Membership selected at beginning of each semester; performances; Christmas and spring concerts, assemblies, Parent-Teacher Associations and Churches. Elective for women students. Two hours per week. Credit: one semester hour.

Mus. 308. *Bank. Participation in seventy-five piece uniformed band, auditions at beginning of each semester; college-owned instruments available. Elective for all students. Two hours per week. Credit: one semester hour.

Mus. 309-310. Harmony. Elements of Music, melody, harmony and rhythm, practice in sight-singing, melodic and harmonic dictation, transportation, keyboard

* On leave 1954-55.

training and four-part written harmony. Prerequisite: Music 101-102 or special permission. Elective for sophomores, juniors and seniors. Three hours per week. Two semesters. Credit: six semester hours.

Mus. 311. Conducting. Choral and orchestral conducting; use of the baton; reading and observation; required attendance at subscription concerts by the Buffalo Philharmonic Orchestra at Kleinhans Music Hall. Elective for sophomores, juniors and seniors. One semester. Three hours per week. Credit: three semester hours.

Mus. 312. *A Capella Choir. Participation in college choir; concerts presented annually; pop concert with the Buffalo Philharmonic Orchestra, Christmas and spring concerts on tour, Baccalaureate and Commencement exercises. (Students selected through an examination emphasizing tone quality, intonation and musical ability.) Four hours per week. Credit: one semester hour.

Mus. 313. *Men's Glee Club. Participation in college and off-campus functions. Practice sessions twice per week. (Members selected by audition.) Credit: one semester hour.

Mus. 403. Dramatic Music. Dramatic works of music for choral organization: the cantata, oratorio and opera; history and development of these forms; attendance at local churches and auditoriums; representative works to be heard from records or actual performances; special readings and discussions of radio operatic presentations. Elective for sophomores, juniors and seniors. One semester. Three hours per week. Credit: three semester hours.

Mus. 404. The Art of Enjoying Music. Advanced aesthetics of music; required attendance at subscription concerts by the Buffalo Philharmonic Orchestra in Kleinhans Music Hall. Elective for sophomores, juniors and seniors. Each semester. Credit: three semester hours.

GRADUATE COURSES IN MUSIC

Mus. 500. Music in Education. Public school music education; contributions of various composers to public school music and to general culture; required readings; listening to records; required attendance at concerts; observation in the Campus School. Three hours per week. Credit: three semester hours.

NON-CREDIT ACTIVITIES

The Music Department sponsors a wide variety of musical organizations for students including Madrigal Singers, Women's Sextette, Male Quartet, String Quartet, Brass Ensembles and Baton Twirling. The city of Buffalo affords many musically enriching programs by the Grosvenor Library and the Science Museum as well as the performances of the Buffalo Philharmonic Orchestra, the Buffalo Chamber Music Society and the Zorah Berry series in the Kleinhans Music Hall. Private instruction (not carrying college credit) is available on a fee basis in voice, and all orchestra and band instruments (including piano, organ and harp). Private practice rooms, pianos, and a variety of instruments are provided by the Music Department.

*Total credit earned from participation in above applied music courses may not exceed eight hours toward graduation. (One semester hour of credit maximum in any one semester for each participation.)

SCIENCE DEPARTMENT

John Urban, Chairman

Professors Eckert, Lampkin; Associate Professors Dupre, Flannigan, Sengbusch, Sheel; Assistant Professors Arthur*, Kemble, Laug, Nadolinski, Saenger, Thielking.

ELEMENTARY SCHOOL SCIENCE SEQUENCE

The increased teaching of science to children from kindergarten to ninth grade has created a need for elementary school teachers who have special preparation in the field of science. Elementary Education students, interested in this kind of teaching, supplement their regularly required science courses (nine hours) by taking science electives (fifteen hours) beginning the Sophomore year, enabling them to complete a total of twenty four hours and receive the College Science Sequence Certificate. Preparation for positions of supervisors or consultants in Science in Elementary Education usually requires additional work on the graduate level.

The recommended sequence of science courses to be followed by students is:

First Year

Science 101. Physical Science I (required)

Second Year

Science 201-202. Biology (required)

Science elective by advisement each semester

At the end of the sophomore year students will be divided into two groups: Division A will do student teaching in the junior year, Division B in the senior year.

Third Year

Division A (Junior Teaching Sections)

Science 310. Science in the Elementary Grades (First semester)
Practicum in Teaching (Second semester)

Division B (Senior Teaching Sections)

Science 410. Field Studies in Science (Fall semester)
Science 310. Science in the Elementary Grades (Spring semester)

Fourth Year

Division A (Junior Teaching Sections)

Science 410. Field Studies in Science (Fall semester)
Science Science elective by advisement (Spring semester)

Division B (Senior Teaching Sections)

Practicum in Teaching (Fall semester)
Science Science elective by advisement (Spring semester)

The science electives by advisement will be selected from the following courses:

Science 231. Elementary Physics
Science 232. Elementary Chemistry
Science 305. Zoology
Science 306. Botany
Science 311. Geology
Science 312. Meteorology
Science 313. Descriptive Astronomy
Science 314. Atomic Energy
Science 315. Microbiology
Science 401. Genetics
Science 425. Science Camp

* On leave 1954-1955.

EXTENSION OF ELEMENTARY EDUCATION CERTIFICATE TO INCLUDE JUNIOR HIGH SCHOOL SCIENCE TEACHING

Elementary Education students may extend their elementary education certificate to include the teaching of science in the junior high school by enrolling in a five-year program of science courses according to the schedule outlined below enabling them to complete certification requirements in the graduate program.

First Year

Science 101. Physical Science I

Second Year

Science 201-202. Biology

Science 203-204. Physics

Third Year

Division A (Junior Teaching Section)

Science Physical Geography (First semester)
Practicum in Teaching (Second semester)

Division B (Senior Teaching Section)

Science 303-304. Inorganic Chemistry

Fourth Year

Division A (Junior Teaching Section)

Science 303-304. Inorganic Chemistry

Division B (Senior Teaching Section)

Practicum in Teaching (First semester)
Science Physical Geography (Second semester)

Fifth Year

Science 518. Human Biology (Required)

Science 502. Field Studies in Science II (Required)

Six hours from among the following:

Science 501. Field Studies in Science I

Science 503. Ecology

Science 504. Science Camp

Science 505. Conservation Workshop

Sci. 101. Physical Science I. Survey of the physical sciences; the scientific method of inquiry as exemplified in astronomy, geology and meteorology; the size and organization of our solar system and the starry heavens; processes which have modified and continue to modify the earth's surface; factors which determine weather and climate. Required of all Elementary Education freshmen. Four hours per week, including laboratory. Each semester. Credit: three semester hours.

Sci. 151-152. Chemistry Applied to Home Economics. The basic principles of inorganic, organic, and biological chemistry as applied to foods, nutrition, and textiles. Required of all freshmen in Division of Home Economics. Four hours per week, including laboratory. Remedial sections (required of students who have not had high school chemistry) two additional hours per week. Both semesters. Credit: six semester hours.

Sci. 201-202. **Biology.** Principles and theories which explain the structure, taxonomy, physiology, ecology, reproduction, genetics, and evolution of plants and animals. Required of all Elementary Education sophomores. Four hours per week, including laboratory. Both semesters. Credit: six semester hours.

Sci. 203-204. **Physics.** Mechanics, heat, sound, light and electricity; the nature, behavior and transformation of energy; man's control of energy. Elective for Elementary Education sophomores, juniors, and seniors. Prerequisite: Science 101 or its equivalent. Four hours per week, including laboratory. Both semesters. Credit: six semester hours.

Sci. 205-206. **Industrial Arts Physics.** Mechanics, heat, light, sound and electricity with particular reference to the needs and interests of students in the Division of Industrial Arts Education. Required of all sophomores in this division. Four hours per week, including laboratory. Credit: six semester hours.

Sci. 227. **Household Physics.** Principles of physics which help the student to understand her environment, and which have direct applications in the home; characteristics and uses of mechanical energy, heat, light, electricity, and sound. Required of all Home Economics sophomores. Four hours per week including laboratory. One semester. Credit: three semester hours.

Sci. 231. **Elementary Physics.** Principles of physics important to the field of elementary school science; laboratory experiments usable at this level. Elective for sophomores in the Elementary School Science Sequence. Others may enroll by permission of instructor. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 232. **Elementary Chemistry.** Principles of chemistry important to the field of elementary school science; laboratory experiments usable at this level. Elective for students in the Elementary School Science Sequence. Others may enroll by permission of instructor. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 240. **Biology.** The natural history, classification, structure, life processes, and inter-relationships of plants and animals; attention to the nature of biological resources, their importance to man, and their conservation. Required of all Art Education sophomores. Four hours per week, including laboratory or field study. One semester. Credit: three semester hours.

Sci. 301-302. **Chemistry.** Chemical nature of materials; applications of principles of chemistry to numerous industrial arts. Required of all Industrial Arts juniors. Four hours per week, including laboratory. Both semesters. Credit: six semester hours.

Sci. 303-304. **Inorganic Chemistry.** Laws governing the composition of matter; changes in composition; structure of the atom; energy relationships in chemical changes. Elective for Elementary Education sophomores, juniors and seniors. Prerequisite: Science 101 or its equivalent. Four hours per week, including laboratory. Both semesters. Credit: six semester hours.

Sci. 305. **Zoology.** Morphology, physiology, adaptation, reproduction, genetics and ecology of animals. Lectures, demonstrations, laboratory work. Elective for Elementary Education juniors; other by permission of instructor. Four hours per week. Credit: three semester hours.

Sci. 306. **Botany.** Structure and physiology of plants in relation to practical problems; observations, experiments, and laboratory work center around control of plant life. Elective for students who have had Science 201-2 or its equivalent. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 307. **Art Ed. Physical Science.** Cultural survey of the physical sciences (astronomy, geology, physics, chemistry) with applications to the field of art; e.g., chemistry of art materials and the physics of light and color. Required of all Art Education juniors. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 310. **Science in the Elementary Grades.** Background and function of elementary school science together with its subject matter; 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. Other classes and departments by arrangement with instructor. Prerequisite: Science 101, 201-202, or their equivalent. Four hours per week, including laboratory. One semester. Credit: three semester hours.

Sci. 311. **Geology.** Results achieved by geologic processes during past ages, including life and activity in the various eras; local fossils, rock formations and geologic history studied in museum and on field trips. Elective for Elementary Education sophomores, juniors and seniors, and others by arrangements with instructor. Prerequisite: Science 101 or its equivalent. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 312. **Meteorology.** The atmosphere; methods of observing and recording weather elements; explanation of weather changes; interpretation of the weather map; basic principles of forecasting; relation of weather to man and his activities. Elective for sophomores, juniors and seniors. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 313. **Descriptive Astronomy.** The solar system, Milky Way Galaxy, and other celestial systems and objects. Observation of stars and planets; use of simple instruments; field trips; selected teaching aids. Elective for sophomores, juniors, and seniors. Prerequisite: Science 101 or its equivalent. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 314. **Atomic Energy.** The structure of the atom; chemical energy; nuclear energy and its implications for modern life. Elective for sophomores, juniors and seniors. Permission of instructor required. Three hours per week. Credit: three semester hours.

Sci. 315. **Microbiology.** Microorganisms and the techniques of observing their morphology, growth characteristics and distribution. The relationship of microorganisms to man and his activities. Elective for Elementary Education sophomores, juniors, and seniors. Prerequisite: Science 201 or its equivalent. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 324. **Chemistry Applied to Home Economics.** Carbohydrates, lipids, proteins, minerals and vitamins in relation to food composition, cooking processes, and metabolism; the chemistry of textiles. Required of all Home Economics juniors. Prerequisites: Science 225-226. Four hours per week, including laboratory. Credit: three semester hours. To be discontinued after 1955-56.

Sci. 325. Science in Outdoor Living. Direct experiences applying scientific principles to learning, living, and survival in the out-of-doors. Camping knowledges and skills as they contribute to study and appreciation of natural habitats and resources. Elective for juniors and seniors. Prerequisites: Sci. 101, 201-202. Four hours per week and several overnight trips. Credit: three semester hours.

Sci. 401. Genetics. Principles of Heredity. Inheritance of specific plant, animal, and human traits. Elective for juniors and seniors. Prerequisite: Science 201-202, or its equivalent. Credit: three semester hours.

Sci. 410. Field Studies in Science. Principles and practices of learning science in field situations; plants and animals in their natural ecological relationships. Short and extended field trips; collection, classification, and preservation of specimens. Required of seniors in the Elementary School Science Sequence; elective for other juniors and seniors with permission of instructor. Four hours per week, including laboratory. Credit: three semester hours.

Sci. 425. Science Camp. Juniors and seniors may register for Science Camp only with permission from the instructor. See Science 504 for description.

GRADUATE COURSES IN SCIENCE

Sci. 500. Science in the Elementary Curriculum. Background, purposes and present scope of science in the elementary schools; professional review of subject matter with demonstrations, experiments, audio visual aids, readings. Credit: three semester hours.

Sci. 501. 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. Credit: three semester hours.

Sci. 503. 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. Credit: three semester hours.

Sci. 504. 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.

Sci. 505. Conservation Workshop. A two-week workshop for elementary school teachers and administrators; problems of soil, water, forest, wildlife, and mineral conservation; consultation with experts from the State Conservation Department, federal bureaus, and elementary school education; elementary school problems in conservation education; field trips, lectures, discussions, individual research. Open to graduates and undergraduates. Credit: two semester hours.

Sci. 509. Recent Advances in Science as Applied to Home Economics. New developments in control of food poisonings; study of research in nutritive values of proteins; bacteriology and chemistry of frozen foods; effects of food processing on nutrition; recent research in other areas affecting home economics. For graduate students in Division of Home Economics Education only. Lecture, laboratory work. Credit: three semester hours.

Sci. 523. Science in Transportation. Application of scientific principles in various methods of transportation; the science involved in such problems as safety, comfort, governmental aid and regulation. Open to undergraduates with permission of instructor. Credit: three semester hours.

Sci. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: six semester hours.

Sci. 526. Individual investigation of an original problem in science or elementary school science education. No required class attendance; work to be planned and carried out by student, with consultation and guidance from instructor. For graduate students only. Credit: one semester hour.

Sci. 550. Project. A study undertaken by one or more individuals on a problem of special interest; must be submitted in acceptable form according to directions given by Graduate Division. Credit: four semester hours.

El. Ed. 575. Research Methods and Techniques. See description under Graduate Division, Education Department. Credit: two semester hours.

SOCIAL STUDIES DEPARTMENT

Harold F. Peterson, Chairman

Professors Albright, Hollister, Mason, Rapp*, Robison; Associate Professors R. C. Brown, Roesser, Weaver; Assistant Professors E. A. Brown*, Brunger, Critoph, Hein, Kohn, Rogers, Sexton.

S. S. 101-102. History of Civilization. Persistent problems of civilization as background for contemporary world issues: relationships of man and the state; reform and revolution; religion and other aspects of man's spiritual and intellectual development; changing methods and organization of economic life; imperialism and the problems of empire; growth of nationalism and internationalism; covers the period to 1870. Required of Elementary Education freshmen. S. S. 101 is prerequisite to 102. Each year. Three hours per week. Credit: six semester hours.

S. S. 157. Man: His Culture, Society, and Values. Basic concepts from the Social Sciences that aid in understanding Man and his behavior: study of culture and society, and their contribution to the formation of personality; study of values; significance of social institutions as a means of realizing those values. Required of Art Education sophomores and Home Economics freshmen. Each semester. Three hours per week. Credit: three semester hours.

S. S. 201-202. Contemporary Civilization. Continuation of S. S. 101-102; problems of political and economic organization; recent nationalism and imperialism; revolutions and the pattern of dictatorship; attempts at world organization; chief developments of major European and Asiatic countries. Required of Elementary Education sophomores. Prerequisite: S. S. 101-102. S. S. 201 is prerequisite to 202. Each year. Three hours per week. Credit: six semester hours.

S. S. 205. Contemporary Civilization for Industrial Arts Students. European civilization since 1914; background of World War I; ideologies which resulted from the war; factors producing World War II; problems of peace and reconstruction. Required of Industrial Arts Education sophomores. Each semester. Three hours per week. Credit: three semester hours.

S. S. 222. Principles of Economics. Basic principles; current problems and policies; consumer economics. Required of Home Economics Education sophomores. Each semester. Three hours per week. Credit: three semester hours.

S. S. 225. Historical Influences on Modern Society. Impact of significant forces in civilization upon present-day culture: medieval scholasticism; Renaissance individualism and humanism; the scientific spirit; 18th century rationalism; revolutionary doctrine; evolution of the democratic idea; imperialism; nationalism; recent rise of oriental peoples; growth of international organizations. Offered in Extension only. Two or three hours per week. Credit: two or three semester hours.

S. S. 301-302. American Civilization and Government. Establishment of the American republic; growth of American civilization; relations between the government and the people; place of the nation in the modern world. Required of Elementary, Home Economics, and Industrial Arts Education juniors. S. S. 301 is prerequisite to 302. Each year. Three hours per week. Credit: six semester hours.

* On leave of absence, 1954-1955.

War I; treaty settlements; post-war developments and problems; areas of friction; the League of Nations; World Court; Fascism; events leading to World War II; important developments to the present time. Offered in Extension only. Two or three hours per week. Credit: two or three semester hours.

S. S. 304. 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. Each year. Three hours per week. Credit: three semester hours.

S. S. 305. American History from 1789-1865. Development of American political, social, and economic institutions under the Constitution, from its adoption in 1789 to its final acceptance in 1865. Offered in Extension only. Two or three hours per week. Credit: two or three semester hours.

S. S. 306. American History Since 1865. Economic, political, and social problems of the post-Civil War era; recognition of the United States as a world power; its part in the two World Wars; recent developments in international affairs. Offered in Extension only. Two or three hours per week. Credit: two or three semester hours.

S. S. 310. History of the Far East. Selected topics in the history of China and Japan from the fourteenth century to the present day, with emphasis on the period after 1800. Elective for sophomores, juniors, and seniors. 1956-1957. Three hours per week. Credit: three semester hours.

S. S. 312. History and Government of New York State. Aboriginal background; development of the colony; establishment of the state; rise of political parties; past and present structure and problems of New York State government; economic and social growth to the present time. Elective for sophomores, juniors, and seniors. Each year. Three hours per week. Credit: three semester hours.

S. S. 315. 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. Offered in Extension only. Two or three hours per week. Credit: two or three semester hours.

S. S. 323. Principles of Sociology. Basic principles; detailed study of rural, village, and urban communities. Required of Home Economics Education juniors. Each semester. Three hours per week. Credit: three semester hours.

S. S. 335. Principles and Problems of Economics. Basic principles; contemporary problems and trends; labor-management relations; prices and inflation; pre-war, war-time, and post-war adjustments. Elective for sophomores, juniors, and seniors. Each year. Three hours per week. Credit: three semester hours.

S. S. 341. Nationality Groups in American Culture. Problems and cultural contributions of largest immigrant ethnic groups; patterns of immigration; immigrant institutions; community life; problems of assimilation and of the "second generation." Elective for sophomores, juniors, and seniors. Each year. Three hours per week. Credit: three semester hours.

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S. S. 343. **Cultural Anthropology.** Man as a physical form; culture in its relation to society, to the individual, and to personality; prehistoric developments of culture; universals and variations in cultures; cultural traits and institutions; dynamics of cultural change. Elective for sophomores, juniors, and seniors. Each year. Three hours per week. Credit: three semester hours.

S. S. 344. **Expansion of Europe.** Motives and agencies in the discovery, exploration, and settlement of colonies; rise of nationalistic movements among colonial peoples; effects upon international relations. Offered in Extension Division only. Two or three hours per week. Credit: two or three semester hours.

S. S. 345. **History of England Since 1485.** Rise and transition of representative, parliamentary government; commercial revolution; rise of industrial economy; social, intellectual, and economic trends manifested through literature, art, the press, and other social agencies; transition from Empire to Commonwealth of Nations; impact abroad of such concepts as mercantilism, laissez-faire, classical economics, and collectivism. Elective for sophomores, juniors, and seniors. 1956-1957. Three hours per week. Credit: three semester hours.

S. S. 346. **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. Each year. Three hours per week. Credit: three semester hours.

S. S. 347. **American Political Institutions and Problems.** Meaning of politics; substance of democracy; techniques of democratic government; separation of powers; legislative process; role of the executive; judicial review; whither federalism?; greater fruition of democratic ideals. Elective for sophomores, juniors, and seniors. 1955-1956 and 1957-1958. Three hours per week. Credit: three semester hours.

S. S. 357. **Modern Man: His Intellectual and Social Heritage.** Significant ideas and their impact on western society since the eighteenth century: rationalism; liberal and conservative thought; transcendentalism vs. materialism; nationalism; religious movements; new social and economic doctrines; science; anti-intellectualism. Required of Art Education juniors. Prerequisite: S. S. 157. Each semester. Three hours per week. Credit: three semester hours.

Rise and development of culture; cultural change; socialS. S. 402. **Sociology.** organization and social institutions. Required of Elementary Education seniors. Each semester. Three hours per week. Credit: three semester hours.

S. S. 403. **History of American Foreign Relations.** Independence from Britain and alliance with France; the Constitution and the formation of foreign policies; commercial and territorial expansion; diplomacy of slavery and the Civil War; diplomacy of World Wars I and II; Inter-American relations; leadership in the United Nations and in the world. Elective for juniors and seniors. 1955-1956 and 1957-1958. Three hours per week. Credit: three semester hours.

S. S. 405. **International Relations.** Rise of the state system; economic and political nationalism; imperialism; diplomacy and the settlement of international disputes; League of Nations and the United Nations. Elective for juniors and seniors. 1955-1956. Three hours per week. Credit: three semester hours.

S. S. 407. **Germany Since 1871.** Factors in recent German history and their relationship to the problems of democracy, peace, and prosperity in Europe and the world. Elective for juniors and seniors. 1956-1957. Three hours per week. Credit: three semester hours.

S. S. 408. **Twentieth Century European Diplomacy.** Causes and diplomatic problems of World Wars I and II; intervening diplomatic history; Paris Peace Conference of 1919; present world diplomatic situation. Elective for juniors and seniors. 1957-1958. Three hours per week. Credit: three semester hours.

S. S. 411. **History of Latin America.** Indian background; European colonization; wars for independence; national development; diplomatic and economic relations with the United States; Inter-American System in the United Nations. Elective for sophomores, juniors, and seniors. 1956-1957. Three hours per week. Credit: three semester hours.

S. S. 417. **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. Each year. Three hours per week. Credit: three semester hours.

S. S. 421. **Industrial History and Labor Problems.** American industry from its English beginnings to the present; influence of inventions, tariffs, trade barriers, and cartels; growth and importance of organized labor. Required of Industrial Arts Education seniors. Each semester. Three hours per week. Credit: three semester hours.

S. S. 422. **History of the Soviet Union.** Economic and historical forces behind the Communist Revolution of 1917; the governmental system and its political, social, and economic theories; the evolving economic system; Soviet foreign policy; impact of the Revolution and World War II; the church, the educational system, and other cultural developments. Elective for juniors and seniors. 1955-1956 and 1957-1958. Three hours per week. Credit: three semester hours.

S. S. 426. **Contemporary Economic Problems.** Price movements; business trends; labor and management; trade; agriculture in the national economy. Elective for sophomores, juniors, and seniors. 1956-1957. Three hours per week. Credit: three semester hours.

S. S. 428. **History of Canada.** Political, economic, and social history of Canada, from the beginnings to the present day; special emphasis on Canada's relations with the United States. Elective for sophomores, juniors, and seniors. 1955-1956 and 1957-1958. Three hours per week. Credit: three semester hours.

S. S. 436. **Field Course in the History and Geography of New York State.** For description see listing under Social Studies Graduate Courses. Open to upper-class undergraduate students. Offered in Summer Session only.

S. S. 457. **Contemporary Man: The Individual in the Twentieth Century.** Economic and political problems of the Age of Bigness: Labor, Business, the Consumer, and Government; laissez-faire vs. controls; agriculture in an industrial world; internationalism vs. nationalism; new challenges to Democracy; the individual's role in government. Required of Art Education seniors. Prerequisites: S. S. 157 and S. S. 357. Each semester. Three hours per semester. Credit: three semester hours.

GRADUATE COURSES

S. S. 500. **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. Two or three hours per week. Credit: two or three semester hours.

S. S. 501A. **Studies in Twentieth Century European History: The German Problem.** Political thought and institutions in Germany prior to 1914; development of the Weimar Republic; the Hitler movement; structure and ideology of the Nazi Party and state; foreign policy leading to World War II; Nazi rule and defeat in Europe; post-war German questions. Prerequisites: 15 hours in Social Studies, including nine in European History. Two or three hours per week. Credit: two or three semester hours.

S. S. 501B. **Studies in Twentieth Century European History: The History and Institutions of the Soviet Union.** Chief factors in tsarist Russia; Revolution of 1917; coming of the Bolsheviks to power; political and social ideology; government and the Communist party; economic system; peasant problem; Soviet foreign policy and its relation to international organization; impact of the Soviet Union upon the western world. Prerequisites: 15 hours in Social Studies, including nine in European History. 1955-1956. Two or three hours per week. Credit: two or three semester hours.

S. S. 502. **The United States and Its Inter-American Relations.** American policies toward the Latin American Republics and the Dominion of Canada: recognition; Monroe Doctrine; imperialism; peaceful settlement; cultural interchange; hemisphere security; regionalism. Prerequisites: 15 hours in Social Studies, including six in American History and six in European History. Two or three hours per week. Credit: two or three semester hours.

S. S. 503. **History of Political Theory.** Chief modern contributors to the political ideologies of democracy, liberalism, conservatism, nationalism, socialism, communism, Fascism, and Nazism. Prerequisites: 15 hours in Social Studies, including nine in European History. Two or three hours per week. Credit: two or three semester hours.

S. S. 504. **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 as a whole. Prerequisites: 15 hours in Social Studies, including six in American History and six in European History. Two or three hours per week. Credit: two or three semester hours.

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

S. S. 506. **Minority Groups in American Culture.** Major racial, nationality, and religious minority 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. 1955-1956. Two or three hours per week. Credit: two or three semester hours.

S. S. 507. **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 battlefields of three wars; industrial development; conservation practices; places associated with famous people and movements. One day on campus for orientation and travel arrangements; 14-day trip by chartered bus. Open to graduate and upper-class undergraduate students. Offered only in Summer Session. Credit: three semester hours.

S. S. 508. **Field Course in Mexican Culture.** Historical, geographic, and cultural aspects of Central Mexico: principal sites of Aztec, Spanish, and Mexican history; chief physical features of Mexico's central plateau and adjacent mountains; public buildings and art galleries; schools and handicraft workshops; Mexico City and environs, Cuernavaca, Taxco, Puebla, and other cities. Two days on campus for orientation and travel arrangements; round trip to Mexico by commercial plane; 11-day trip in Mexico by chartered bus. Open to graduate and upperclass undergraduate students. Offered only in Summer Session. Credit: three semester hours.

S. S. 509. **Local History: Research Methods and Techniques.** Research involved in the study and presentation of local history, with special reference to the Niagara Frontier and New York State; community facilities; discovery, examination, and use of original materials. Prerequisites: 15 hours in Social Studies, including six in American History. Two or three hours per week. Credit: two or three semester hours.

S. S. 510. **Selected Problems of Urban Life.** Cultural groups and their backgrounds, attitudes, problems, culture traits, and culture patterns as found in the local community; racial, nationality, religious, and social class groups; talks by guest representatives of intergroup education agencies and of the cultural groups studied. Registration is limited to twenty students. Two or three hours per week. Credit: two or three semester hours.

S. S. 511. **Problems of Contemporary England.** Rise of trade unions; industrial and labor relations; career of the Labor Party; programs for social democracy; the changing world position of England. 1955-1956. Two or three hours per week. Credit: two or three semester hours.

S. S. 512. **The United States in Contemporary World Affairs.** United States foreign policy; United States and the United Nations; Atlantic and Pacific commitments; internal problems such as defense production, inflation, and taxation. Registration with consent of the instructor. Two or three hours per week. Credit: two or three semester hours.

S. S. 513. Social and Intellectual History of the United States. Social roots of systems of thought; effects of ideas upon American society; continuing patterns of thought, such as Puritanism, liberalism, democracy; contributions of intellectual leaders. Prerequisites: 15 hours in Social Studies, including six in American History. 1955-1956. Two or three hours per week. Credit: two or three semester hours.

S. S. 514. Workshop in Human Relations. Exploration of means to more productive human relations in classrooms; development of constructive social attitudes in children; particular difficulties faced by children of various groups; talks by guest speakers on local problems. Open to graduate and upperclass undergraduates. 1955-1956. Two hours per week. Credit: two semester hours.

S. S. 514A. Advanced Workshop in Human Relations. Materials and methods in individual and group work in human relations; individual situations in a school or community. Open to graduate and upperclass undergraduates. 1955-1956. Two hours per week. Credit: two semester hours.

S. S. 515. Studies in American Colonial History. Comparison of colonial policies pursued by European powers in the new world; modification in a new environment of such transplanted elements as the family, church, schools, economy, and government. Prerequisites: 15 hours in Social Studies. Two or three hours per week. Credit: two or three semester hours.

S. S. 516. International Relations and the World Today. "The community of nations": self-determination; international organization; international law; world government; human rights; mutual security; foreign policy; military power world trade; social problems; economic assistance; communications; the role of social science; the United States in relationship to other nations and to international organization; dangers and responsibilities attendant to power and leadership. Two or three hours per week. Credit: two or three semester hours.

S. S. 518. Contemporary European Political Movements. Organization, campaigns, propaganda, electoral geography, parliamentary tactics, and national political parties, especially the Communist, Socialist, Christian Democratic, Radical, Democratic, Peasant, Conservative, and Neo-Fascist. Prerequisites: 15 hours in Social Studies, including six in European History. Two or three hours per week. Credit: two or three semester hours.

S. S. 519. Case Studies in Local Government and Politics. Structure and practice; revenues and expenditures; public housing, health, and welfare; planning and zoning; educational-political relationships; topics selected in accordance with student needs and interests. Prerequisites: 15 hours in Social Studies, including six in American History and/or Government. Open to qualified seniors with consent of instructor. 1955-1956. Two or three hours per week. Credit: two or three semester hours.

S. S. 521. Contemporary Social Problems. Problem areas of American society; sources of information; techniques for discovering and analyzing social problems; analysis of several major problems, selected in accordance with student needs and interests. Prerequisites: course in elementary Sociology. Open to qualified seniors with consent of instructor. Two or three hours per week. Credit: two or three semester hours.

S. S. 525. Thesis. An individual investigation of an original problem to be submitted in typewritten form according to directions given by the Graduate Division. Credit: six semester hours.

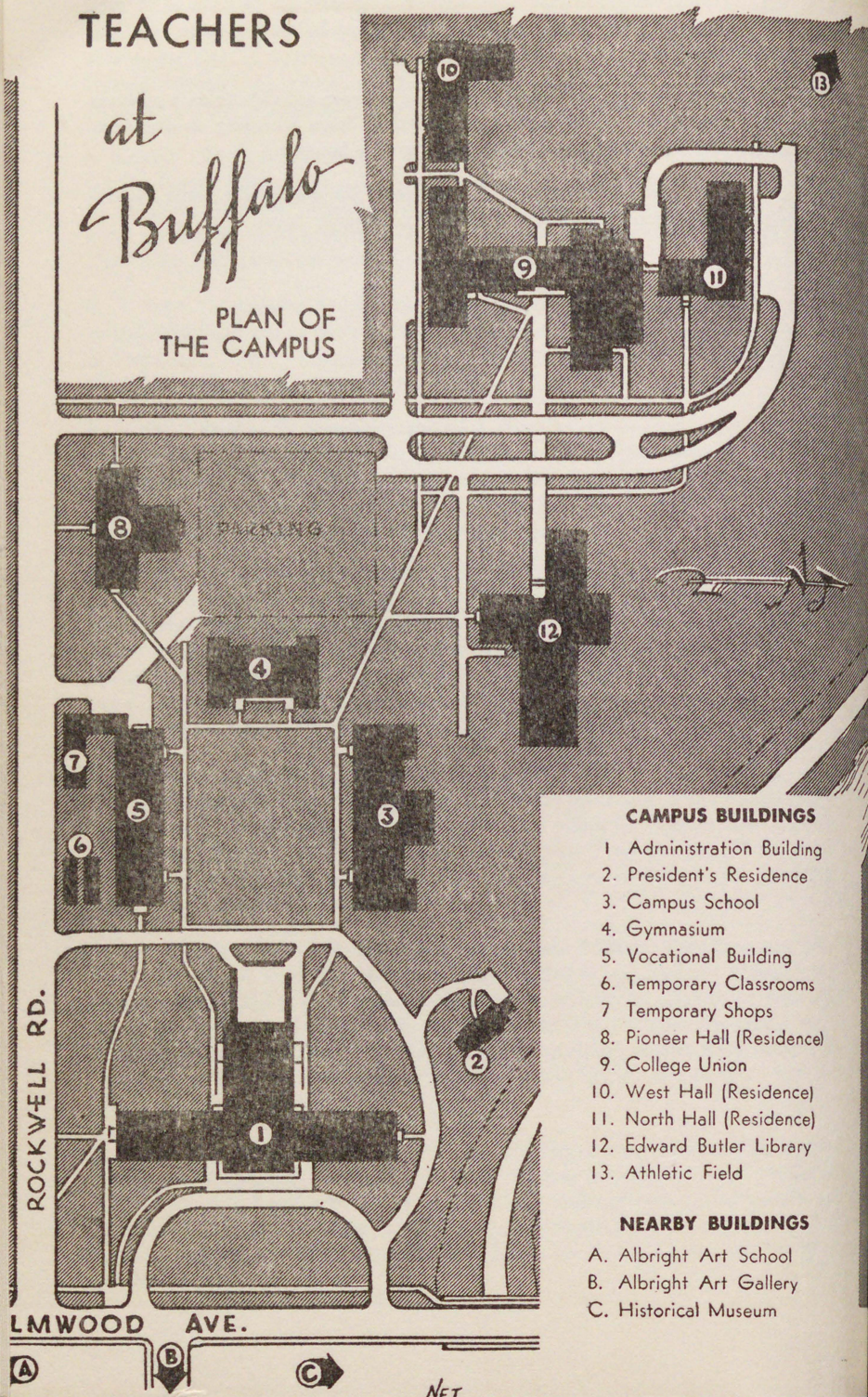
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El. Ed. 575. Research Methods and Techniques. See description under Graduate Division, Education Department. Credit: two semester hours.

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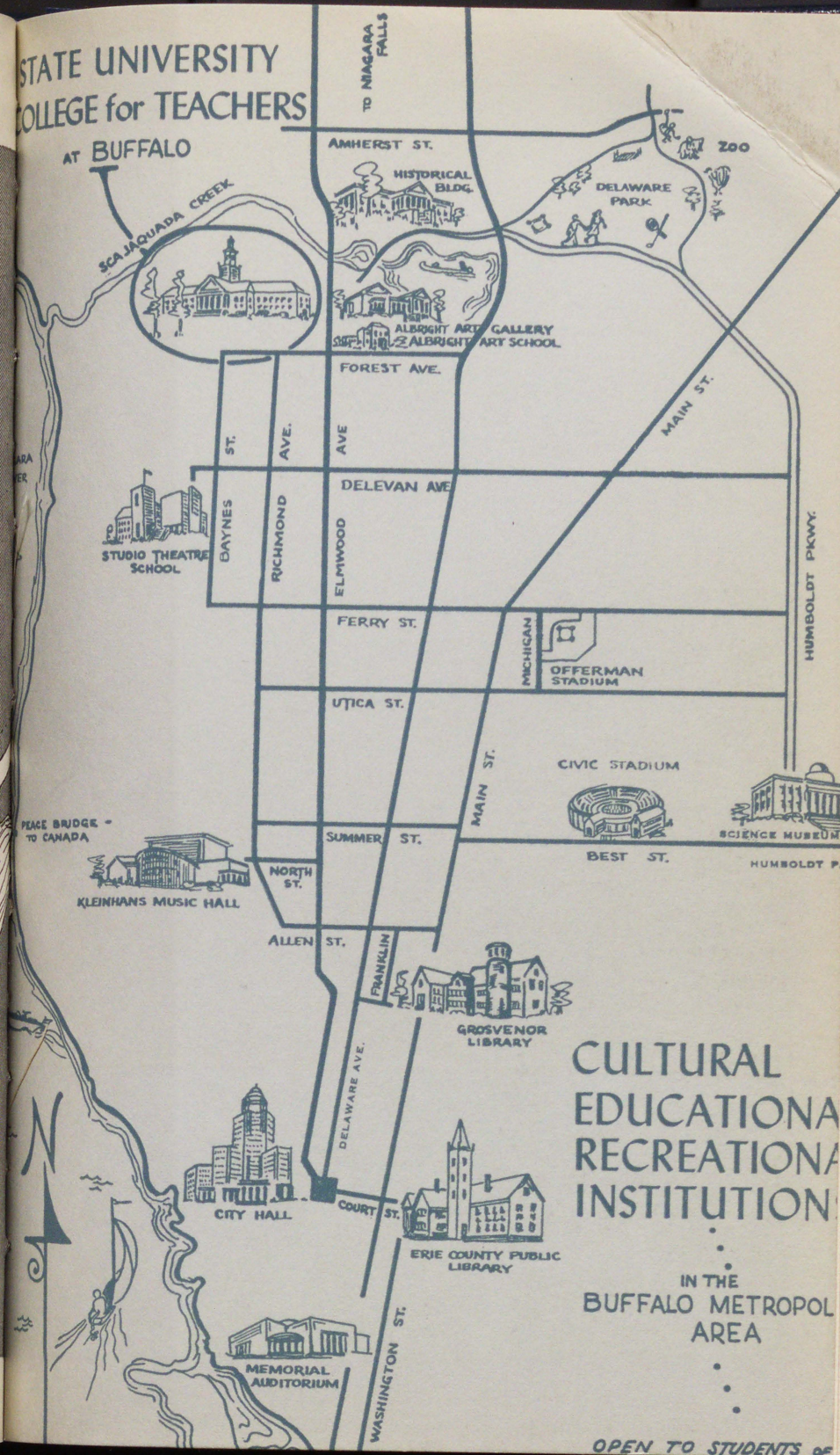
CAMPUS BUILDINGS

- 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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General Catalog

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