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1959-1960

STATE UNIVERSITY OF NEW YORK

COLLEGE FOR TEACHERS AT ALBANY



State University of New York

COLLEGE FOR TEACHERS

at ALBANY

General Catalog

1959-1960

ONE HUNDRED FIFTEENTH YEAR

State University of New York

The State University of New York was established by the State Legislature in 1948. It comprises forty-three colleges. Twenty-eight of them are State colleges and fifteen are locally-sponsored community colleges. Although 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, science and engineering, 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. Several of its colleges offer graduate programs.

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 college of State University is locally administered. Students should write directly to the institution in which they are interested for admission forms.

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

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



STATE UNIVERSITY OF
NEW YORK

*College for Teachers
at Albany*



ONE HUNDRED FIFTEENTH YEAR

ANNUAL CATALOG

1959-1960

State University of New York

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BOYD E. GOLDER.....	Utica
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FREDERICK F. GREENMAN, A.B., LL.B.....	New York City
JAMES GREENOUGH, A.B., M.D.....	Cooperstown
SAMUEL HAUSMAN.....	Great Neck
MORRIS IUSHEWITZ.....	Mount Vernon
KEITH S. McHUGH, B.S., LL.D., Eng.D.....	New York City
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JAMES J. WARREN.....	Albany
DON J. WICKHAM, B.S.....	Hector

Secretary of the University.....J. LAWRENCE MURRAY

Executive Dean for Teacher Education.....HERMANN COOPER,
A.B., Mus.B., A.M., Ph.D., LL.D.

New York State College for Teachers

College Council

TRUMAN D. CAMERON.....	Albany
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DR. FRANK C. FURLONG.....	Schenectady
MRS. FRANCES H. HUGHSON.....	Loudonville
HARRY O. LEE.....	Cropseyville
ARTHUR LEVITT, JR.....	New York City
CHARLES F. HAMMETT.....	Plattsburgh

Contents

	PAGE
State University of New York.....	Inside Front and Back Cover
Board of Trustees.....	2
Administrative Staff	2
Local College Council	3
College Calendar	5
Map of the City of Albany (College Section)	6
Faculty and Staff	7
General Information	20
History and Purposes of the College	20
Programs of Study	22
The Summer Session	23
Extension Teaching	23
Field Service	24
Faculty Lectureship	24
Buildings and Facilities	25
Admissions (Undergraduate)	28
Regulations	31
Requirements for the Bachelor's Degree	33
Graduate Study	39
Student Personnel Services	52
Advisory and Counseling Services	52
Student Residence	53
Student Activities	53
Health and Medical Services	55
Teacher Placement	55
Expenses and Financial Aid	57
Courses of Instruction	61
Summary of Enrollment and Degrees Conferred	146
Index	147

College Calendar

Summer Session — 1959

Eight-week summer session begins.....	June 29
Six-week summer session begins.....	June 29
Six-week summer session ends.....	Aug. 8
Eight-week summer session ends.....	Aug. 21

Fall Semester — 1959 - 60

Freshman week begins.....	Sept. 11
Registration of Freshmen, Advisement of Transfer students.....	Sept. 14
Registration of Seniors and Juniors. Advisement of Graduate students.....	Sept. 15
Registration of Sophomores and Graduate students.....	Sept. 16
Instruction begins 8:00 A.M.....	Sept. 17
First student assembly 1:00 P.M., Page Auditorium.....	Sept. 18
Mid-term reports 12:00 noon.....	Nov. 5
Thanksgiving recess begins 11:50 A.M.....	Nov. 25
Instruction resumed 8:00 A.M.....	Nov. 30
Christmas recess begins 11:50 A.M.....	Dec. 18
Instruction resumed 8:00 A.M.....	Jan. 4
Classes end.....	Jan. 15
Mid-year examinations begin 9:00 A.M.....	Jan. 16

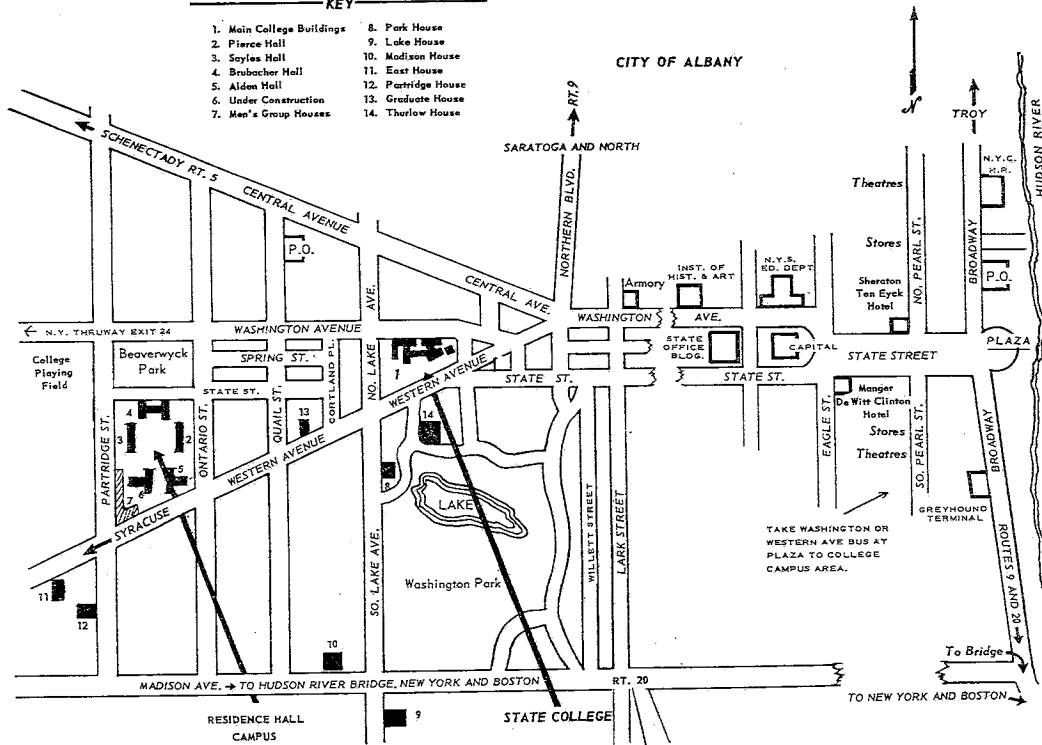
Spring Semester — 1960

Registration for new students (Midyear).....	Jan. 27
Second semester begins 8:00 A.M.....	Jan. 28
Mid-term reports 12:00 noon.....	Mar. 17
Spring recess begins 11:50 A.M.....	Apr. 8
Instruction resumed 8:00 A.M.....	Apr. 19
Moving-up day.....	May 7
Classes end.....	May 20
Final examinations begin 9:00 A.M.....	May 21
Memorial Day (holiday).....	May 30
Alumni and class day.....	June 4
Commencement	June 5

STATE UNIVERSITY OF NEW YORK
COLLEGE FOR TEACHERS
ALBANY, N.Y.

KEY

- | | |
|---------------------------|---------------------|
| 1. Main College Buildings | 8. Park House |
| 2. Pierce Hall | 9. Lake House |
| 3. Sayles Hall | 10. Madison House |
| 4. Brubacher Hall | 11. East House |
| 5. Alden Hall | 12. Partridge House |
| 6. Under Construction | 13. Graduate House |
| 7. Men's Group Houses | 14. Thurlow House |



New York State College for Teachers at Albany

Faculty 1958 - 59

MILTON GOODRICH NELSON (1926) †.....*Dean of the College Emeritus*
B.S., New York State College for Teachers, Albany; M.S., Ph.D., Cornell
University

EVAN REVERE COLLINS (1949).....*President*
A.B., Dartmouth College; Ed.M., Ed.D., Harvard University

OSCAR ERASMUS LANFORD, JR. (1940).....*Dean of the College*
B.S., Virginia Military Institute; M.A., Ph.D., Columbia University

ELLEN CLAYTON STOKES (1926).....*Dean of Women*
A.B., M.A., Brown University; Ph.D., University of Chicago

DAVID HARTLEY (1950).....*Dean of Men*
B.S., Rutgers University; M.A., Ed.D., Columbia University

EDGAR WILLIAM FLINTON (1952).....*Director of Graduate Studies*
B.S.E., Boston University; Ed.M., Ed.D., Harvard University

EDWIN PAYNE ADKINS (1953).....*Director of Education (General)*
A.B., Berea College; M.A., West Virginia University; Ph.D., Ohio State
University

Leave of Absence

JOHN RALPH TIBBETTS (1946).....*Director of Education (General)*
B.A., M.A., New York State College for Teachers, Albany; Ph.D., New
York University

MILTON CARL OLSON (1948).....*Director of Education (Business)*
B.S., University of Minnesota; M.A., New York University; Ed.D., Indiana
University

THEODORE HENRY FOSSIECK (1947).....*Professor of Education and
Principal of the Milne School*
Ph.B., Shurtleff College; M.A., Washington University; M.A., Ed.D.,
Columbia University

JANET HOOD (1955).....*Professor of Health and College Physician*
A.B., M.S., Tufts College; M.D., Yale University

RUDOLPH MATHIEW SCHMIDT (1950).....*Associate Professor of Health
and Associate College Physician*
M.D., Hungarian Royal Queen Elizabeth University

LOTHAR WALTER SCHULTZE (1952).....*Coordinator of Field Services*
B.A., New York State College for Teachers, Albany; M.S., Pennsylvania
State College; Ed.D., Pennsylvania State University

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

- ELMER CLARENCE MATHEWS (1947).....*Associate Dean and Assistant to the President*
 B.S., New York State College for Teachers, Albany; M.A., Ed.D., Columbia University
- CLINTON JOHN ROBERTS (1958).....*Director of Teacher Placement*
 B.S., State Teachers College, East Stroudsburg; M.A., New York University
- FRANCES KELLEY THOMSON (1939).....*Assistant Professor (Personnel) and Associate, Student Personnel Services*
 B.A., M.A., New York State College for Teachers, Albany
- LIVINGSTON IRVING SMITH (1958).....*Admissions Officer*
 B.S., M.S., New York State College for Teachers, Albany
- ROBERT KEITH MUNSEY (1958).....*Personnel Office*
 B.A., University of Denver; M.A., Columbia University

Administrative Staff

- DIANE WEBBER DAVEY, B.A., M.A.....*Registrar*
 (First Semester)
- BENJAMIN J. COMI, B.S., M.S.....*Senior Financial Secretary*
- ROBERT BELL.....*Manager College Co-op.*
- MALCOLM E. CORBIEY.....*Director of Food Services*
- ELEANORE C. WELCH.....*Secretary to President*

Professors

- CAROLINE CROASDALE (1919).....*Professor Emeritus of Health*
 M.D., Women's Medical College of Pennsylvania
- WINFRED CORNWALL DECKER (1907).....*Professor Emeritus of German*
 A.B., Columbia University; Pd.B., New York State College for Teachers, Albany; A.M., Columbia University
- M. ANNETTE DOBBIN (1929).....*Professor Emeritus of Modern Languages*
 A.B., State College of Washington; M.A., Columbia University; D.M.L., Middlebury College
- MATIE ELAINE GREEN (1931).....*Professor Emeritus of Health*
 A.B., Syracuse University; M.D., University of Indiana
- HARRY WORTHINGTON HASTINGS (1914).....*Professor Emeritus of English*
 A.B., Brown University; A.M., Ph.D., Harvard University
- ELIZABETH HUNT MORRIS (1923).....*Professor Emeritus of Education*
 A.B., M.A., Wellesley College; Ph.D., Columbia University
- HELEN MARIE PHILLIPS (1919).....*Professor Emeritus of English*
 A.B., Ohio University; M.A., Northwestern University; Ph.D., Cornell University
- MINNIE BRINK SCOTLAND (1918).....*Professor Emeritus of Biology*
 B.S., New York State College for Teachers, Albany; M.A., Columbia University; Ph.D., Cornell University
- MARION ELMINA SMITH (1929).....*Professor Emeritus of French*
 A.B., M.A., Smith College; Doctor, University of Paris, France

- WATT STEWART (1940).....*Professor Emeritus of History*
A.B., West Virginia Wesleyan; M.A., Ph.D., University of Chicago
- ADAM ALEXANDER WALKER (1908).....*Professor Emeritus of Sociology*
A.B., University of Michigan; A.M., University of Wisconsin
- GEORGE MORRELL YORK (1916).....*Professor Emeritus of Commerce*
A.B., Colgate University
-

- CHARLES LUTHER ANDREWS (1931).....*Physics*
A.B., Ph.D., Cornell University
- RALPH HILLIS BAKER (1934).....*Political Science*
B.A., New York State College for Teachers, Albany; A.M., Columbia University; Ph.D., Johns Hopkins University
- RALPH ALEXANDER BEAVER (1925).....*Mathematics*
B.S., New York State College for Teachers, Albany; M.A., Columbia University; Ph.D., Cornell University
- MARGARET DOROTHEA BETZ (1922).....*Science*
B.S., New York State College for Teachers, Albany; A.M., Columbia University; Ph.D., Stanford University
- PAUL COLGAN BOOMSLITER (1948).....*English (Speech)*
A.B., West Virginia University; M.A., State University of Iowa; Ph.D., University of Wisconsin
- ROBERT STONE BURGESS, JR. (1948).....*Librarianship*
B.A., Vanderbilt University; B.S. in L.S., George Peabody College for Teachers; M.A., University of Chicago
(Leave of Absence, Second Semester)
- JAMES WESLEY CHILDERS (1941).....*Modern Languages*
A.B., A.M., Southern Methodist University; Ph.D., University of Chicago
- JAMES ELY COCHRANE (1941).....*Education (English)*
Supervisor in the Milne School
A.B., Williams College; M.A., New York State College for Teachers, Albany; Ph.D., University of Connecticut
- EDWARD LYLE COOPER (1931).....*Business*
B.Ed., Wisconsin State College, Whitewater; M.A., State University of Iowa; Ph.D., Northwestern University
- ROBERT FRANCIS CREEGAN (1952).....*Philosophy*
B.A., Marietta College; M.A., Ph.D., Duke University
- HAZEL DEAN (1958).....*Librarianship*
A.B., Northwestern University; A.M., Syracuse University; A.M., Radcliffe College
(First Semester)
- PAUL ALEXANDER DESHOND DE MAINE (1957).....*Chemistry*
B.Sc., University of Wetwaterstrand; Ph.D., University of British Columbia
- DONALD THOMAS DONLEY (1953).....*Education*
B.S. in Ed., New York State College for Teachers, Buffalo; Ed.D., Syracuse University
- MORRIS E. ESON (1951).....*Psychology*
B.Sc., Illinois Institute of Technology; A.M., Ph.D., University of Chicago
- ROSWELL EVAN FAIRBANK (1946).....*Business*
B.S., M.S., New York State College for Teachers, Albany; Ed.D., Columbia University

- KENNETH JONES FRASURE (1948).....*Education (Administration)*
 B.Ed., Southern Illinois University; M.A., M.Ed., D.Ed., University of Illinois
- ROBERT WENDELL FREDERICK (1930).....*Education (Administration)*
 Ph.B., Denison University; M.A., Yale University; Ph.D., New York University
- AGNES ELEANOR FUTTERER (1917).....*English (Theatre)*
 B.A., New York State College for Teachers, Albany; M.A., Columbia University
- RANDOLPH SCOTT GARDNER (1947).....*Education (Mathematics)*
 Supervisor in the Milne School
 A.B., Hampden-Sydney College; M.A., Ed.D., Columbia University
- THOMAS RAY GIBSON (1946).....*Safety and Health Education*
 B.S., Columbia University; M.A., George Peabody College for Teachers
- MARY GERALDINE GOGGIN (1940).....*Ancient Languages*
 A.B., Barnard College; Ph.D., Yale University
- MARGARET LOUISE HAYES (1930).....*Education (Measurement)*
 A.B., University of North Carolina; M.A., George Peabody College for Teachers; Ph.D., Columbia University
- FLOYD EDWARD HENRICKSON (1942).....*Education (Audio-Visual)*
 B.S., University of Washington; M.A., Ed.D., Columbia University
- JAMES ALLAN HIGGS (1931).....*Education (Guidance)*
 A.B., Grinnell College; M.A., Ph.D., State University of Iowa
- VIVIAN C. HOPKINS (1941).....*English*
 A.B., Wellesley College; M.A., University of Michigan; M.A., Radcliffe College; Ph.D., University of Michigan
- MAURITZ JOHNSON, JR. (1953).....*Education*
 B.A., M.A., New York State College for Teachers, Albany; Ph.D., Cornell University
- RALPH BURCH KENNEY (1941).....*Education (Guidance)*
 A.B., Union College; M.A., Princeton University; Ph.D., Yale University
- WALTER ERNEST KNOTTS (1953).....*English*
 B.A., University of British Columbia; Ph.D., Harvard University
- RENO S. KNOUSE (1946).....*Business (Merchandising)*
 B.S., Susquehanna University; M.Ed., University of Pittsburgh
- JOSEPH LEESE (1948).....*Education (Psychology)*
 B.A., New York State College for Teachers, Albany; M.A., Ed.D., Columbia University
- PAUL CLIPFELL LEMON (1948).....*Biology*
 A.B., University of Nebraska; M.Sc., University of Illinois; Ph.D., University of Minnesota
- CAROLINE A. LESTER (1929).....*Mathematics*
 A.B., M.A., Cornell University; Ph.D., University of Wisconsin
- ROBERT LEO LORETTE (1955).....*Education*
 B.E., State Teachers College, Castleton, Vermont; M.A., Ed.D., Columbia University
- SHIELDS McILLWAIN (1940).....*English*
 A.B., Southwestern at Memphis; M.A., Ph.D., University of Chicago
- CARLETON ALLEN MOOSE (1929).....*Education (Science)*
 Supervisor in the Milne School
 B.S., New York State College for Teachers, Albany; M.S., Ph.D., Cornell University

- JOHN ROY NEWTON (1948).....*Education (Reading)*
A.B., Yale University; M.Ed., University of New Hampshire; Ed.D., Boston University
- ANNE REBECCA OLIVER (1948).....*Physics*
A.B., Goucher College; M.A., Smith College; Ph.D., Cornell University
- JOSIAH THOMPSON PHINNEY (1946).....*Economics*
A.B., Yale University; Ed.M., M.A., Ph.D., Harvard University
- HARRY S. PRICE (1947).....*History*
A.B., Dartmouth College; M.A., Ph.D., Columbia University
- TOWNSEND RICH (1948).....*English*
B.A., M.A., Ph.D., Yale University
- ROBERT RIENOW (1936).....*Political Science*
A.B., Carthage College; M.A., Ph.D., Columbia University
- EDWARD PEASE SHAW (1947).....*Modern Languages*
A.B., M.A., Ph.D., Harvard University
Faculty Lecturer 1958-59
- WILLARD EVANS SKIDMORE (1949).....*Modern Languages*
A.B., M.A., Ph.D., University of Illinois
- CHARLES CURRIEN SMITH (1936).....*Education*
A.B., Southwestern at Memphis; M.A., Ph.D., George Peabody College for Teachers
- GERALD WELLINGTON SNYDER (1948).....*Education (Social Studies)*
Supervisor in the Milne School
B.S., M.A., Ph.D., Syracuse University
- THEODORE GEORGE STANDING (1943).....*Sociology*
A.B., William Penn College; M.A., Ph.D., State University of Iowa
(Sabbatical Leave)
- CHARLES FRANK STOKES (1944).....*Music*
B.Mus., M.Mus., Cincinnati Conservatory of Music; B.S.Ed., M.Ed., Ed.D., University of Cincinnati
- WALLACE W. TAYLOR (1938).....*Education*
A.B., B.S., Kansas State Teachers College; M.A., Ph.D., State University of Iowa
- DERK VIVIEN TIESZEN (1931).....*Chemistry*
A.B., Yankton College; M.A., University of Colorado; Ph.D., Ohio State University
- EDITH OWEN WALLACE (1918).....*Latin*
B.A., New York State College for Teachers, Albany; M.A., Wellesley College; Ph.D., Columbia University
- RUTH ELLEN WASLEY (1946).....*Education (Modern Languages)*
Supervisor in the Milne School
A.B., Goucher College; M.A., Columbia University; Ph.D., New York University
- PERRY DICKIE WESTBROOK (1945).....*English*
A.B., M.A., Ph.D., Columbia University

Associate Professors

- RUTH EVELYN HUTCHINS (1938).....*Associate Professor Emeritus of Art*
Ph.B., Syracuse University; M.A., Columbia University; M.F.A., Chicago Art Institute

- ANNA KEIM BARSAM (1920).....*Home Economics*
The Milne School
A.B., Fredericksburg College; B.S., M.A., Columbia University
- PETER CARL BENEDICT (1958).....*Science*
B.S., Columbia University; Ph.D., University of Zurich
- ALLEN HAYDON BENTON (1949).....*Biology*
B.S., M.S., Ph.D., Cornell University
- EDWARD BERG (1956).....*Biology*
B.A., Brooklyn College; Ph.D., Cornell University
- MORRIS ISAIAH BERGER (1956).....*Education*
B.A., M.A., New York State College for Teachers, Albany; Ph.D., Columbia University
- KENDALL ALBERT BIRR (1952).....*History*
B.A., Cornell College; M.S., Ph.D., University of Wisconsin
- ELIZABETH EMILIE BURGER (1952).....*Business*
B.S., M.A., New York University
- ELTON A. BUTLER (1945).....*Mathematics*
A.B., University of Rochester; M.A., Columbia University
- FRANK GAETANO CARRINO (1948).....*Modern Languages*
A.B., Baldwin-Wallace College; M.A., University of Wisconsin; Ph.D., University of Michigan
- HARRY LYNDALE CLAWSON (1957).....*Education (Mathematics)*
Supervisor in the Milne School
B.S., State Teachers College, Indiana, Pennsylvania; M.Ed., Pennsylvania State University
- FRANCES LEONA COLBY (1948).....*English*
B.A., Mills College; M.A., Ph.D., Johns Hopkins University
- ARTHUR NETHAWAY COLLINS (1951).....*English*
B.A., New York State College for Teachers, Albany; M.A., University of Minnesota
- MARY ELIZABETH CONKLIN (1929).....*Education*
A.B., Wellesley College; A.M., Columbia University
- EDWARD PAUL COWLEY, JR. (1951).....*Art*
B.S., New York State College for Teachers, Buffalo; M.A., Columbia University
- LAWRENCE HENRY DALY (1957).....*Chemistry*
B.A., M.A., New York State College for Teachers, Albany; Ph.D., Rensselaer Polytechnic Institute
- STEWART DENSLOW (1947).....*Modern Languages*
B.A., M.A., Ph.D., University of Virginia
- ANITA ELIZABETH DUNN (1949).....*Education (English)*
Supervisor in the Milne School
B.S., Wisconsin State College, Eau Claire; M.S., University of Wisconsin
- MATTHEW HEATH ELBOW (1947).....*History*
A.B., M.A., Ph.D., Columbia University
- HOWARD HERMAN FLIERL (1948).....*Geography*
B.S., New York State College for Teachers, Buffalo; M.S., Ph.D., Syracuse University
- BUDD LESLIE GAMBEE, JR. (1958).....*Librarianship*
A.B., University of Rochester; A.B.L.S., M.A.L.S., University of Michigan

- ALFRED BOULIGNY GLATHE (1958).....*Philosophy*
A.B., M.A., Ph.D., University of California
- MARY ELIZABETH GREANDER (1948).....*English*
A.B., M.A., Ph.D., University of Chicago
- MILLICENT HAINES (1946).....*Education (Social Studies)*
Supervisor in the Milne School
A.B., Drake University; M.A., State University of Iowa
- MERLIN W. HATHAWAY (1944).....*Physical Education*
B.S. in Ed., New York State Teachers College, Cortland; M.S., New York
State College for Teachers, Albany
- CHARLES JOSEPH HAUGHEY (1956).....*Education*
B.A., Columbia College; M.A., Columbia University
- RICHARD SCOTT HAUSER (1948).....*Biology*
B.A., Oberlin College; M.S., Ph.D., Michigan State University
- KATHERINE HELENA HEINIG (1952).....*Biology*
B.S., M.S., Northwestern University; Ph.D., Cornell University
(Sabbatical Leave, Second Semester)
- RYLAND HUGH HEWITT, JR. (1958).....*English*
A.B., A.M., Cornell University
- H. CAROLYN HOWARD (1942).....*Librarianship*
Ph.B., University of Chicago; B.S. in L.S., M.S. in L.S., Columbia Uni-
versity
- GLENN W. S. HUMPHREYS (1958).....*Science*
B.S., M.S., St. Bonaventure College
- MABEL EMILY JACKMAN (1942).....*Librarianship*
The Milne School
B.S., University of Minnesota; M.A., University of Chicago
- JACK BURKEHART KRAIL (1949).....*Education (Modern Languages)*
Supervisor in the Milne School
B.S. (Ed.), University of Wisconsin; M.A., University of Chicago
- VIOLET HACHMEISTER LARNEY (1952).....*Mathematics*
B.Ed., Illinois State Normal University; A.M., University of Illinois; Ph.D.,
University of Wisconsin
- EDWIN DAVID LAWSON (1954).....*Psychology*
A.B., M.A., Ph.D., University of Illinois
- ALFRED DAVE LEVITAS (1958).....*Physics*
A.B., M.S., Ph.D., Syracuse University
- ARTHUR OWEN LONG (1953).....*Chemistry*
A.B., Brown University; Ph.D., University of Wisconsin
- PAUL ADKINS LOWDER (1952).....*English*
A.B., Lynchburg College; M.A., Columbia University; M.A., Harvard Uni-
versity; Ed.D., Columbia University
- ROBERT CARLTON LUIPPOLD (1950).....*Mathematics*
A.B., M.A., University of Buffalo
- SARA HANSELL MACGONAGLE (1944).....*Modern Languages*
A.B., Pennsylvania College for Women; M.A., University of Pittsburgh;
Ph.D., Columbia University
- ALBERT CHARLES MOSSIN (1951).....*Business*
B.S., New York University; M.A., Ph.D., Columbia University

- DONALD J. D. MULKERNE (1950).....*Business*
 B.S. in Ed., M.Ed., Boston University; Ed.D., Columbia University
- EDWIN CLAIR MUNRO (1948).....*Modern Languages*
 B.A., University of Denver; M.A., University of New Mexico; Ph.D.,
 University of Wisconsin
- LYDIA K. MURRAY (1946).....*Health (Physical Education)*
 The Milne School
 B.S., New York State Teachers College, Cortland; M.A., Columbia Uni-
 versity
- CARL JOSEF ODENKIRCHEN (1958).....*Modern Languages*
 A.B., College of Charleston; M.A., University of Chicago; Ph.D., Univer-
 sity of North Carolina
- CATHARINE WALSH PELTZ (1924).....*English*
 B.A., New York State College for Teachers, Albany; M.A., Columbia
 University; Ph.D., Johns Hopkins University
- KARL ALFRED BERNARD PETERSON (1947).....*Music*
 B.M., Washburn University of Topeka; M.A., Columbia University
- PAUL BRUCE PETTIT (1947).....*English (Theatre)*
 B.A., Alfred University; M.A., Ph.D., Cornell University
- MARVIN J. PRYOR (1945).....*Physics*
 B.S. in Ed., A.B., Marion College; M.A., Amherst College
- HARLAN WARREN RAYMOND (1929).....*Industrial Arts*
 The Milne School
 B.S., New York State College for Teachers, Albany
- CLINTON JOHN ROBERTS (1948).....*Education and Director of*
Teacher Placement
 B.S., State Teachers College, East Stroudsburg; M.A., New York University
- EDWARD HAYNES SARGENT (1954).....*Education*
 A.B., A.M., Ph.D., Cornell University
- CATHERYNE HARDESTY SIVERS (1958).....*Education*
 A.B., West Virginia Wesleyan College; M.A., Ed.D., Syracuse University
- HUGH MACKENZIE SMITH (1952).....*Education (English)*
 Supervisor in the Milne School
 B.A., St. Bernardine of Siena College; M.A., New York State College for
 Teachers, Albany
- RICHARD FREDERICK SMITH (1957).....*Chemistry*
 B.A., Allegheny College; Ph.D., University of Rochester
- JOHN JOSEPH STURM (1929).....*Science*
 B.A., M.A., New York State College for Teachers, Albany
- CLIFTON CORNELL THORNE (1952).....*Business*
 B.S., M.S., New York State College for Teachers, Albany; Ed.D., Columbia
 University
- NURA DOROTHEA TURNER (1946).....*Mathematics*
 A.B., M.S., State University of Iowa
- DONALD RITCHIE VANCLEVE (1951).....*Community Studies*
 A.B., M.A., LL.B., University of Washington; Ph.D., Columbia University
 (Sabbatical Leave)
- PAUL FRANK WHEELER (1950).....*Sociology*
 A.B., University of New Hampshire; M.A., Ph.D., Yale University
- HUDSON SUMNER WINN (1952).....*Biology*
 A.B., Illinois College; Ph.D., Northwestern University

ROY YORK, JR. (1941)*Music*
 The Milne School
 Mus.B., Mus.M., American Conservatory of Music; Ed.D., Syracuse
 University

Assistant Professors

ANNE LOUISE CUSHING (1908)*Assistant Professor Emeritus*
of Mathematics

Pd.B., New York State College for Teachers, Albany

GERTRUDE ELIZABETH DOUGLAS (1919)*Assistant Professor Emeritus*
of Biology

A.B., Smith College; A.M., Ph.D., Cornell University

LYDIA ANTOINETTE JOHNSON (1912)*Assistant Professor Emeritus*
of Latin

B.A., New York State College for Teachers, Albany; A.M., Columbia
 University

WILLIAM GEORGE KENNEDY (1911)*Assistant Professor Emeritus*
of Science

Ph.B., Syracuse University; M.A., New York State College for Teachers,
 Albany

HARRISON MORTON TERWILLIGER (1930) ..*Assistant Professor Emeritus*
of Commerce

B.S., M.S., New York State College for Teachers, Albany

THEODORE STANFORD ADAMS (1958)*English*
 B.A., University of Rochester; M.A., Ohio State University

THEODORE JOSEPH BAYER (1956)*Education (Business)*
 Supervisor in the Milne School
 B.S., New York State College for Teachers, Albany; M.Ed., St. Lawrence
 University

CARROLL HENRY BLANCHARD, JR. (1957)*Business*
 B.S. in Ed., M.S. in Ed., Boston University

JARKO MARSANO BURIAN (1955)*English*
 B.A., Rutgers University; M.A., Columbia University; Ph.D., Cornell
 University

ANNA CHRISTODULU (1958)*Education (Mathematics and Science)*
 Supervisor in the Milne School
 B.A., M.A., New York State College for Teachers, Albany

FRANCES CUMMINGS (1946)*History*
 A.B., Syracuse University; M.A., Columbia University; Ed.D., New York
 University

GLENN ROBERT DELONG (1956)*Education (Mathematics)*
 Supervisor in the Milne School
 B.A., New York State College for Teachers, Albany; M.A., Cornell Uni-
 versity

WILLIAM ALBERT DUMBLETON (1956)*English*
 B.A., M.A., New York State College for Teachers, Albany

MARTHA ALBRIGHT EGELSTON (1929)*History*
 B.A., M.A., New York State College for Teachers, Albany

- EDWARD RICHARD FAGAN (1953) *Education (English)*
 Supervisor in the Milne School
 B.S., M.S., University of Wisconsin
- ALFRED PHILIP FINKELSTEIN (1958) *Chemistry*
 B.S., M.S., New York State College for Teachers, Albany
- LEONARD H. FREISER (1959) *Librarianship*
 B.M., Manhattan School of Music; M.A., M.S., Columbia University
- DANIEL GANELES (1958) *Education (Social Studies)*
 Supervisor in the Milne School
 B.A., M.A., New York State College for Teachers, Albany
- JOSEPH GARCIA (1950) *Physical Education*
 B.S., University of Illinois; M.S., New York State College for Teachers,
 Albany
- ELIZABETH MARION GLASS (1952) *Education (Mathematics)*
 Supervisor in the Milne School
 B.S., M.S., University of Connecticut
- ARNOLDS GRAVA (1954) *Modern Languages*
 B.A., University of Lille, France; M.A., University of Riga, Latvia; Ph.D.,
 University of Nebraska
- NORMAN GREENFELD (1956) *Psychology*
 B.A., M.A., Syracuse University; M.S., Ph.D., University of Massachusetts
- HARRY JAMES GROGAN (1942) *Health (Physical Education)*
 The Milne School
 B.S. in Ed., New York State Teachers College, Cortland; M.S., New York
 State College for Teachers, Albany
- ROBERT THOMAS HARPER (1958) *English*
 B.A., Ohio Wesleyan University; M.F.A., Yale University
- HAROLD ROHRER HOWES, JR. (1954) *Education (Guidance)*
 Supervisor in the Milne School
 A.B., Oberlin College; M.A., Northwestern University
- CECIL ROBERT JOHNSON (1956) *Education (Science)*
 Supervisor in the Milne School
 B.S., Hobart College; M.S., New York State College for Teachers, Albany
- ISABELLE JOHNSTON (1922) *Physical Education*
 B.A., New York State College for Teachers, Albany; M.A., Columbia
 University
- RICHARD ALLAN JONGEDYK (1953) *Physics*
 B.S., Iowa State College; M.S., University of Illinois
- WILLIAM CHRISTIAN KRAUS (1957) *Education (English)*
 B.A., Ohio Wesleyan University; M.A., New York University
- MICHAEL LOUIS LAMANNA (1958) *Education (English and
 Social Studies)*
 Supervisor in the Milne School
 B.A., M.A., New York State College for Teachers, Albany
- ROBERT PATRICK LANNI (1954) *Physics*
 B.A., M.A., New York State College for Teachers, Albany
- JAMES MILTON LEWIS (1958) *English*
 B.A., M.A., Ohio State University
- DONALD EDWARD LIEDEL (1955) *History*
 A.B., Wayne University; A.M., University of Michigan
- THOMSON HASTINGS LITTLEFIELD (1956) *English*
 A.B., Dartmouth College; M.A., Harvard University

- SUSAN MARSHALL LOSEE (1958).....*Education (French and Spanish)*
 Supervisor in the Milne School
 B.A., Western Reserve State University; M.A., New York State College
 for Teachers, Albany
- ANNA E. LOVE (1947).....*Health (Nurse)*
 R.N., Bellevue School of Nursing; B.S., M.A., New York University
- NAOMI L. MAGER (1957).....*Education (English)*
 Supervisor in the Milne School
 B.A., Hunter College of the City of New York
- ESTHER MAYAKIS (1956).....*Education (Business)*
 Supervisor in the Milne School
 B.S., M.S., New York State College for Teachers, Albany
- JOANNA MILHAM (1958).....*Education (Business)*
 Supervisor in the Milne School
 B.S.C., M.S., New York State College for Teachers, Albany
- FREDERICK WILLARD MOORE (1954).....*Modern Languages*
 A.B., Hobart College; M.A., Harvard University; Ph.D., Yale University
- GUSTAVE EDWARD MUELLER (1958).....*Education (Business)*
 Supervisor in the Milne School
 B.S. in Ed., New York University
- CATHARINE NEWBOLD (1946).....*History*
 A.B., University of Iowa; M.S., Cornell University; M.A., University of
 Michigan
 (Leave of Absence)
- HARRIET S. NORTON (1953).....*Education (Latin)*
 Supervisor in the Milne School
 A.B., Houghton College; M.A., Syracuse University
- ERICH NUSSBAUM (1958).....*Mathematics*
 B.A., St. John's College; Ph.D., University of Virginia
- ARLINE FEARON PRESTON (1928).....*Modern Languages*
 A.B., M.A., Bryn Mawr College; Ph.D., Johns Hopkins University
- SAMUEL VANORDEN PRICHARD, JR. (1956).....*English*
 B.A., M.A., University of Redlands
- GEORGE EUGENE RICH (1958).....*Social Studies*
 B.Ed., New York State Teachers College, Brockport; M.A., University
 of Rochester
- ROYANN SALM (1956).....*Education (Business)*
 B.S., M.S., New York State College for Teachers, Albany
- RICHARD JAMES SAUERS (1955).....*Physical Education*
 B.S., State Teachers College, Slippery Rock; M.Ed., Pennsylvania State
 University
- PAUL THEODORE SCHAEFER (1956).....*Mathematics*
 B.A., M.A., University of Rochester
- WILLIAM ESPIE SEYMOUR (1958).....*Economics and Business*
 B.S., New York State Teachers College, New Paltz; M.B.A., Cornell
 University
- WILLIAM FRANCIS SHEEHAN (1957).....*Business*
 B.S., M.S., New York State College for Teachers, Albany; LL.B., Union
 University, Albany Law School
- SHIH-PING SHEN (1956).....*Physics*
 B.A., Assumption College; M.A., Clark University

- EUNICE CLARK SMITH (1958).....*Modern Languages*
A.B., Radcliffe College; M.A., Ph.D., University of Wisconsin
- ARTHUR EDWIN SODERLIND (1953).....*Education (Social Studies)*
Supervisor in the Milne School
B.A., M.A., New York State College for Teachers, Albany
- SHERMAN DAVID SPECTOR (1957).....*History*
A.B., Bowdoin College; A.M., Columbia University
- HARRY CHARLES STALEY (1956).....*English*
B.A., St. John's University; M.A., University of Pennsylvania
- DAVID LEE STERLING (1957).....*History*
B.A., M.A., Ph.D., New York University
- MARGARET MCBRIDE STEWART (1956).....*Biology*
B.A., M.A., University of North Carolina; Ph.D., Cornell University
- ROBERT EDWIN THORSTENSEN (1952).....*English*
A.B., University of Minnesota; M.A., University of Chicago
- LOUISE MCGILVREY TONE (1947).....*Physical Education*
B.A., Wellesley College; M.A., Cornell University; Ed.D., Columbia University
- FREDERICK HERBERT TRUSCOTT (1958).....*Biology*
A.B., New York State College for Teachers, Albany; Ph.D., Rutgers University
- BRITA DECORMIER WALKER (1956).....*Education (Art)*
The Milne School
B.A., New York State College for Teachers, Albany; M.A., New York University
- GEORGE PAUL WHITNEY (1958).....*Education (Social Studies)*
Supervisor in the Milne School
B.A., Colgate University
- LOIS VIRGINIA WILLIAMS (1948).....*Ancient Languages*
A.B., Beaver College; M.A., University of Pennsylvania; Ph.D., Johns Hopkins University
- THOMAS CLELAND WINN (1957).....*Education (Science)*
Supervisor in the Milne School
A.B., Asbury College; B.Th., Princeton Theological Seminary

Instructors

- BLANCHE MORRISON AVERY (1916)....*Instructor in Commerce, Retired*
B.S., M.S., New York State College for Teachers, Albany
- A. MAY FILLINGHAM (1921)....*Instructor in Home Economics, Retired*
B.S., New York State College for Teachers, Albany

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- HELEN POLLACK ADLER (1959).....*Librarianship*
B.S., Carnegie Institute of Technology; B.S., Carnegie Library School
- AUDREY ANN BRIGGS (1958).....*Chemistry*
B.S., M.S., New York State College for Teachers, Albany
- ALICE PRINDLE WALSH (1959).....*Librarianship*
B.A., M.S.L.S., New York State College for Teachers, Albany

Research Associate

- MARGARET MARION DE MAINE.....*Research Associate*
B.A., M.Sc., University of British Columbia; Ph.D., Cambridge University

Visiting Lecturers

- HARRIET DYER ADAMS (1958).....*Art*
A.B., University of Michigan; A.M., New York University
- ROBERT HOWARD DEILY (1955).....*Librarianship*
A.B., Muhlenberg College; A.M., Lehigh University; B.S. in L.S., M.S. in L.S., Columbia University; Ph.D., University of Chicago
- RUTH H. SOLOMON (1956).....*Education (Learning Disabilities)*
A.M., University of Chicago
- SUSAN S. SMITH.....*Librarianship*
A.B., B.S.L.S., M.A., New York State College for Teachers, Albany; Ed.D., Columbia University

Librarians

- MARY ELIZABETH COBB (1916).....*College Librarian, Emeritus*
A.B., Syracuse University; B.L.S., New York State Library School; M.A., University of Chicago
- HELEN CRAIG JAMES (1929).....*Assistant College Librarian, Emeritus*
A.B., Vassar College; B.L.S., New York State Library School
-
- ALICE TURNER HASTINGS (1948).....*College Librarian*
B.A., Radcliffe College; M.A., B.S. in L.S., New York State College for Teachers, Albany; M.S., Columbia University
- ANNA MAY LILLY (1952).....*Assistant College Librarian*
B.A., M.S. in L.S., New York State College for Teachers, Albany
- MARION SOULE MOTISHER (1946).....*Assistant College Librarian*
B.A., B.S. in L.S., New York State College for Teachers, Albany
- ELEANOR DOROTHEA STREUN (1944).....*Assistant College Librarian*
A.B., B.S., Syracuse University
- NEAL LOUNDES EDGAR (1958).....*Assistant Librarian*
B.A., Trinity College; M.A., M.S. in L.S., New York State College for Teachers, Albany
- CHARITY MACE ROTH (1957).....*Assistant Librarian*
B.A., M.S. in L.S., New York State College for Teachers, Albany
- MARGARET WAGNER (1945).....*Assistant Librarian*
A.B., Carthage College; B.S.L.S., Western Reserve University; M.A., New York State College for Teachers, Albany

General Information

HISTORY AND PURPOSES OF STATE COLLEGE

THE NEW YORK STATE COLLEGE for Teachers is distinctive among the colleges and universities of America in its conception and function. A state college, organized to offer a broad program in the liberal arts and sciences, leading to the degrees of Bachelor of Arts or Bachelor of Science, it is devoted to the education of young men and women preparing to teach in the high schools of the state, and sharing this professional purpose. The oldest unit of the State University, and the only unit devoted to this purpose, it is also the only unit offering in regular session programs for the advanced preparation of teachers and school officers beyond the bachelor's degree.

Created by Legislative Action

The College had its inception in Governor DeWitt Clinton's message to the legislature in 1826 recommending the establishment of "a seminary for the education of teachers." This recommendation resulted, in 1834, in a legislative act providing a subsidy from State funds for teacher training in eight academies designated by the Regents. The success of this effort led Dr. Alonzo Potter in 1841 to recommend the establishment of a State Normal School "as supplementary to our present system."

Calvin T. Hulburd, chairman of the Assembly Committee on "Colleges, Academies and Common Schools," introduced a bill "for the establishment of a Normal School" which authorized the expenditure of \$10,000 annually for five years, "for the support of a Normal School for the instruction and practice of teachers of common schools in the science of education and in the art of teaching." The bill became a law on May 7, 1844, and the Normal School was opened on December 18, 1844.

Established as a College by the Regents

At the meeting of the Board of Regents of the University on March 13, 1890, the Normal School was changed to the Normal Col-

lege and in 1905 the function of the College was designated as the preparation of "teachers in secondary schools, . . . normal schools, . . . and other subjects. . . . that all students be required to pursue such subjects of study as are deemed essential to a liberal education."

By action of the Board of Regents on April 30, 1914, the College became the New York State College for Teachers.

Became a Constituent College within the State University of New York

The Education Law, as amended in 1948, established the State University of New York and placed the administration of the New York State College for Teachers under the general direction of the Trustees of the State University. The final transfer of the College to the State University became effective on April 1, 1949.

Fundamental Purposes and Ideals

In fulfillment of the evident intent of these resolutions, the State College for Teachers at Albany has as its ideal a teacher who is an educated person. The College curriculum interprets "liberal" as used by the Regents to mean (1) a subject matter content that challenges a wide range of human interests (2) a technique in teaching that content that makes the liberal arts function in modern American life so that they promote tolerance, discredit superstition and prejudice, and inspire courage to accept truth in every form. The professional program supplements and extends the liberal arts program by additional cultural values and by giving necessary teaching techniques. The fundamental purposes of the professional phase are (1) to make the student understand education as a process and (2) to make clear to the student how the process functions in his own learning activities, in his teaching activities, and in the problems of the classroom.

Accreditation

The New York State College for Teachers at Albany enjoys unusual accreditation privileges. Not only is it fully accredited through the New York State Department of Education by the Board of Regents for both the bachelor's and master's degrees; it is a full member of the American Association of Colleges for Teacher Education; it is fully accredited by the Association of American Universities, by the Middle States Association of Colleges and Secondary Schools,

and by the National Council for Accreditation of Teacher Education; and its graduates are recognized by the American Association of University Women.

Programs of Study

The undergraduate programs of the College, in addition to the broad understandings of the major areas of human thought which characterize a person liberally educated, and the professional competencies desirable in the superior teacher, offer opportunity for specialized study in the following fields:

For the degree of *Bachelor of Arts*:

English, French, German, Latin, Librarianship, Mathematics, Spanish, Social Studies (Economics, Geography, History, Political Science, Sociology), Science (Biology, Chemistry, Physics)

For the degree of *Bachelor of Science*:

Biology, Business, Chemistry, Mathematics, Physics

The graduate programs of the College provide work leading to a permanent certificate valid for teaching an academic subject in the high school, and offer facilities for advanced study and research in the following fields:

For the degree of *Master of Arts* or *Master of Science*:

Biology, Chemistry, Physics, Business, Education (Classroom Teaching (Basic or Advanced), Developmental Reading in the Secondary School, Guidance Service, School Administration, General Professional), English Literature, French, Latin, Spanish, Mathematics, Social Studies, Speech

Master of Science in Library Science

Teaching Certificates

All degree programs of the college have been registered with the New York State Education Department. Upon satisfactory completion of an undergraduate program and the award of a bachelor's degree the student qualifies for a provisional certificate valid for teaching one or more academic subjects or commerce in secondary schools. Upon the award of the master's degree the student qualifies for a permanent certificate.

Requests for teaching certificates to be awarded upon the completion of degree requirements must be filed with the Registrar. Questions or requests for information concerning certification should be addressed to the Dean of the College or the Director of Graduate Studies.

The Summer Session

Service to teachers and to other educational workers is the first consideration in planning the summer program.

Many public-school staff members wish to work in the Summer Session on problems of importance to their own schools. Such problems may be studied as a part of the graduate program. Adequate provision is made for advisory work with graduate students who wish to specialize in Secondary Education, Public School Administration, Secondary School Administration, Guidance Service, Developmental Reading in the Secondary School, Business, Librarianship, and in content areas of English, Mathematics, Modern Foreign Languages, the Sciences, and the Social Studies.

Students who have been awarded the degree, Bachelor of Science in Education, will find opportunities to extend their content preparation, especially in the areas of English and the Social Studies. This preparation is intended particularly to serve those students who plan to continue their mastery of content materials and, through graduate study, to prepare to teach junior and senior high school subjects.

Persons interested in summer session study may secure detailed information about admission, fees, courses offered, dates of the session, registration procedure, and residence halls by writing to the Director of Summer Session, New York State College for Teachers, Albany 3, N. Y.

Extension Teaching

The Department of Extension Teaching provides a sequence of professional and cultural courses for in-service teachers, supervisors, principals, and superintendents.

Extension classes are scheduled to meet in the late afternoon or evening on week days or on Saturday mornings.

A student may register and receive credit for a maximum of two courses in the extension program in one semester. Off-campus extension courses do not carry resident credit.

Candidates for degrees must make formal application to the College for admission to degree candidacy and satisfy the degree requirements as stated elsewhere in this catalog.

Schedules of extension courses for the Fall and Spring semesters are available about September 1st and January 1st respectively. Any student interested in a particular course should appear for registration at the first meeting of that course.

The fee per semester hour is \$15.00. Extension course fees are not refundable after the second scheduled class meeting.

Inquires should be addressed to the Director of Graduate Studies, New York State College for Teachers, Albany 3, N. Y.

Field Service

The college supports a study council known as The Capital Area School Development Association ("C.A.S.D.A."). This association, which includes representatives of the public school systems and the college staff, is concerned with the discovery and promotion of the best in educational theory and practice. The college and the schools provide the conditions for study, experimentation, and discussion of problems in education.

The Executive Secretary of C.A.S.D.A. at the college should be consulted when assistance is needed with respect to the organization of study groups or when college faculty are desired to present professional materials or to serve as consultants to interested groups on particular problems.

The Faculty Lectureship

The Faculty Lectureship was established in 1959 to provide additional intellectual stimulation to members of the college community and to make wider use of the intellectual resources of the State College faculty. It seeks to perpetuate the tradition of the university as a community of scholars.

The lecturer is a member of the College faculty chosen on the basis of mastery of his own field and ability to interpret that field to a general audience. He selects the lecture topic in consultation with the Faculty Lectureship Committee.

The local chapter of the American Association of University Professors initiated the lectureship in close cooperation with the faculty, administration, and friends of the college. The lectureship is administered by a committee including representatives from these groups. The Committee hopes that the lecture will be an occasion of intellectual and social significance to members of the college community.

Buildings and Facilities

Location of the College

THE COLLEGE is located in the City of Albany between Western and Washington Avenues at Robin Street, eight blocks west of the State Capitol, and about a mile and one-half from the railway station. Buses marked "Washington Avenue," "Western and Washington Avenues," "Whitehall Road via Partridge," and "Western Avenue," pass the College grounds. "West Albany," "Central Avenue," and "B Belt" buses run two blocks north of the grounds.

Buildings and Grounds

The physical plant utilized by the College and its students includes eighteen buildings, occupying slightly more than twenty acres.

The College occupies as its main campus an area of approximately ten acres; six principal buildings house the classrooms and laboratories, faculty and administrative offices, the library, the gymnasium, auditorium, and the Milne School.

The State College Alumni Association owns, operates, and provides for the use of the College, on a tract of approximately ten acres, two large residence halls. These are an important part of the regular College housing facilities. To the north and south of this are the residence halls erected by the State Dormitory Authority, one of which also houses the Student Union. Immediately west across Partridge Street, are located the new athletic fields. The Faculty-Student Association has acquired 13 smaller houses for student residence within walking distance of the College.

Residence Halls

1. Alumni Association.

Pierce Hall.....	221 Ontario St.....	103 women
Sayles Hall.....	179 Partridge St.....	132 men

2. Dormitory Authority, State of New York

Alden Hall.....	295 Western Avenue.....	200 women
Brubacher Hall.....	750 State St.....	300 women
Under Construction*	325 Western Ave.	200 men

* To be completed in the fall of 1959.

3. Faculty Student Association

Adams House.....	191 Partridge St.....	10 men
East House.....	358 Western Ave.	24 women
Grant House.....	181 Partridge St.....	20 men
Hoover House.....	187 Partridge St.....	10 men
Jackson House.....	279 Western Ave.	15 men
Jefferson House.....	329 Western Ave.	12 men
Lake House.....	102 S. Lake Ave.....	36 women
Lincoln House.....	331 Western Ave.	15 men
Park House.....	22 S. Lake Ave.....	55 women
Partridge House.....	200 Partridge St.	25 women
Taft House.....	327 Western Ave.	12 men
Thurlow House.....	1 Thurlow Terr.	25 men
Wilson House.....	325 Western Ave.	12 men

4. Sororities and Fraternities.

A number of sororities and fraternities maintain homes for members who are upperclassmen.

Inquiries regarding residence halls should be addressed to Housing Officer, New York State College for Teachers, Albany 3. For residence regulations, see page 53.

Libraries and Reading Rooms

The *College Library* is located in a separate building, adjacent to the classroom and administration buildings. The library provides materials to support the college curriculum, maintains a program of assisting students in learning the techniques of bibliographical research, and supplies materials for the intellectual stimulation of students and faculty. To this end, a collection of 57,000 bound volumes, 400 current periodicals, and 6 daily newspapers, is maintained by the Library.

A collection of 1439 phonograph records provides material in music, literature, and foreign languages. These records may be borrowed for home and classroom use.

Two microfilm readers and one microcard reader give the student access to material which would not otherwise be available in a library such as this.

The facilities of the *Milne School Library*, which contains a collection of books for adolescents and young adults, are available to all college students.

The *Department of Librarianship* maintains a specialized library of materials on library science, which is available to students interested in this field.

The New York State Library with approximately 1,000,000 volumes is available for reference use. Its collection is especially strong in the fields of American history, of government, and of education. The College Library is able to borrow from the State Library certain types of books for student use. Application for such books must be made at the College Library.

The Albany Public Library extends regular borrowers' privileges to State College students who are in full-time attendance. Registration blanks may be obtained at the College Library and in the case of non-residents must be indorsed by the College Librarian. The main collection is to be found at the Harmanus Bleecker Library, Washington Avenue and Dove Street. Convenient branches are the Pine Hills, 1000 Madison Avenue, and the John V. L. Pruyn (Business Branch), North Pearl Street and Clinton Avenue.

Museum of Natural History

The means of studying geology, botany, zoology, and entomology have been provided in the State Education Building at a cost of nearly a million and a half dollars. An opportunity is given students of the College to acquaint themselves with this collection of specimens which is hardly equaled in the country. It is believed that for educational purposes it cannot be surpassed.

The Campus School

The Milne School, named for William J. Milne who was president of the College from 1889 to 1914, is a coeducational six-year secondary school which is maintained by the State of New York to provide opportunities for observation, demonstration, student teaching, and experimentation.

It offers a junior-senior high school program that prepares for all colleges. At the same time, a variety of curricula are scheduled so that the non-college student may be offered high school privileges. College seniors and graduate students receive opportunities to participate actively in extra-class and guidance functions that are so necessary when a school seeks to meet the needs of individual students.

Admission, Scholarship and Graduation Requirements for the Bachelor's Degree

Selective Basis of Admission

THE COLLEGE is interested in young men and women who can profit from the educational opportunities of its liberal and professional program, and who show promise of becoming effective teachers in the secondary school (grades 7 through 12). Admission is based on evidences of the candidate's intellectual development, social maturity, personal characteristics, range of interests, and physical and mental health.

General Requirements

The decision on an application for admission will be based on the following information:

1. *The high school record.* Performance in high school is an important indicator of college success, and of eventual professional success. Both school grades and grades on any Regents examinations are used as a basis for admission.

2. *Recommendation from the school.* Admission to the College is not based on scholastic standing alone. Great importance is attached to the recommendation of the school principal or counselor regarding the applicant's personal fitness for college study and professional work, range of interests, special abilities, work experience, and similar factors.

3. *General educational development and aptitudes.* These are evidenced by scores on standardized tests and other measures, as furnished by the high school record, and on the selective admission examinations which are required of all applicants.

4. *Results of health examination by a physician.*

5. *The personal interview.* The College feels strongly the desirability of personal interviews with applicants for admission, as a means of judging the applicant's fitness for College, and of acquainting each applicant with the College before admission.

Subject Preparation

Applicants who are otherwise well qualified for admission will be considered on whatever patterns of courses their high school programs present. A broad program of preparation is preferred, and each applicant's program will be evaluated in terms of his abilities and future plans. Ordinarily, in accordance with New York State requirements, each candidate will present English, 4 years; Social Studies, 3 years; Science and Mathematics, 1 year each.

The following high school programs are recommended for the guidance of those who expect to become candidates for a bachelor's degree from the College:

For the degree of Bachelor of Arts:

English	4 units
Social Studies.....	3 units
Electives chosen from foreign language, science, mathematics	5 units
Electives from the same or other fields.....	4 units

The college is now admitting candidates for the Bachelor of Arts degree without previous work in a foreign language. However these students will face the necessity of completing two years of college study of one foreign language, and will, therefore, find college elective choices more restricted than if they had completed at least two years of a foreign language in high school. (**After 1960 all candidates for the Bachelor of Arts degree must present at least two units of foreign language from high school.**) Those who plan a college major or minor in foreign languages are urged to complete at least two units in *each* of the languages in which specialization is planned. Those who are able in this way to anticipate college requirements by wise selection of high school electives will find greater flexibility in planning their college programs.

For the degree of Bachelor of Science:

English	4 units
Social Studies.....	3 units
Algebra	1½ units
Plane geometry.....	1 unit
Science	2 units, including 1 unit of a laboratory science.
Electives	4½ units

For the degree of Bachelor of Science, with a major in the field of Business:

Either of the programs outlined above, or

English	4 units
Social Studies.....	3 units
Science	1 unit
Electives	8 units

Admission Procedures

Candidates for admission to the freshman class or to advanced standing should address the Director of Admissions, New York State College for Teachers, Albany 3, New York. Applicants should obtain from the College, and file as early as possible, an official application form. This form carries the high-school record, the recommendation from the school, and the test results referred to above. Applicants should also contact their high school guidance counselor for the location and dates of the nearest selective admission examination. After these materials are received by the Director of Admissions, the applicant is scheduled for personal interviews at the College; at this time, the applicant has opportunity to discuss with College faculty and students the College's program, opportunities for part-time employment, housing, and other individual needs. The College gathers information from speech and voice tests, appraises the applicant's personal attributes, health, and interests, and counsels the applicant. A few days after the interview the student is notified of his admission status.

Final admission is granted on the basis of three years of the high school program, with the provision that the high school program is to be satisfactorily completed and the student graduated.

ADMISSION WITH ADVANCED STANDING

For the Degree of Bachelor of Science in Education

A graduate from the three-year elementary school course of a New York State normal school or teachers' college will be considered by the Committee on Admissions on the same basis as an applicant for admission to the freshman class except that his scholastic average will be the result of his normal school accomplishment.

For the Degree of Bachelor of Science or Bachelor of Arts

An undergraduate student in good standing at any accredited college will be considered for admission with advanced standing upon the basis of his previous college record, and his satisfaction of the general requirements for admission.

For the Master's Degree

Applicants for graduate standing shall meet all requirements stated under *Graduate Study*, page 39.

REGULATIONS

This College encourages the widest measure of student responsibility and expects that all persons' behavior will be consistently maintained with a minimum of administrative regulation.

Attendance

All students, both graduate and undergraduate, are expected to attend class regularly; however, the responsibility for class attendance is placed upon the student. An exception to the above policy is made in the case of freshmen and students on academic probation. Freshmen must report the reason for each class absence to the Attendance Officer (Room 111). Students on academic probation are allowed no absences from class except those which are unavoidable. When a student on academic probation is absent from class, he is required promptly to report the reason for his absence to the Dean of the College (Room 105).

In the case of absence for valid cause, opportunity to make up work may be granted at the discretion of the instructor.

All students, except those undergraduates on the Dean's List and graduate students with an average of 3.5 for the preceding semester, are required to attend all class meetings on the day before and the day after a college holiday, unless prior permission for the absence has been obtained from the Dean of the College.

The College reserves the right to exclude at any time students whose conduct, academic standing, or attendance at college classes is unsatisfactory, or whose health or other personal characteristics render him unsuited to teaching.

Withdrawals

A student who wishes to withdraw from the College should notify personally the Dean of the College or the Dean of Students. If he cannot appear in person, or if withdrawal occurs when College is not in session, one of the above should be notified by letter.

A certificate of honorable dismissal is granted to a student who is in good standing, provided he complies with the above procedure before actual withdrawal takes place.

Requirements for the Bachelor's Degree

General Requirements

ALL CANDIDATES for a bachelor's degree shall satisfy entrance requirements as specified, shall be in residence for at least the senior year, shall earn at least 30 semester hours of credit in courses completed on this College Campus, and shall conform to the following general regulations.

1. Number of hours for graduation

The requirements for the bachelor's degree shall be not less than one hundred twenty-four (124) semester hours of approved courses, exclusive of credit for Physical Education. A semester hour is equivalent to one hour of lecture or recitation or to at least two hours of laboratory work per week for one semester.

2. Class rating of students

To be rated as a sophomore, a student shall complete work aggregating at least 24 hours and have a credit point average of at least 2.0; to be rated as a junior, a student shall complete work aggregating at least 56 hours and have a credit point average of at least 2.0; to be rated as a senior, a student shall complete work aggregating at least 88 hours and have a credit point average of at least 2.0; to be rated as a graduate student, he shall complete work aggregating at least 124 hours and have a credit point average of at least 2.0.

3. Undergraduate scholarship standards

a. Grades shall be recorded according to the following scale:

A. Superior.

B. Good.

C. Fair.

D. Passing (see paragraph (d) below).

E. Failing.

N. Indicates Audition only, non-credit.

I. Incomplete. Indicates that the student has not completed all the work of the course. The grade Incomplete automatically becomes an "E" unless completed by the date specified by the instructor in the course. The date specified will be not later than one month before the end of the semester following that in which the Grade Incomplete is received.

W. Withdrawn. Students who withdraw from a course after the fifth week of classes will be graded "E" in that course with the following exceptions:

Students who during a semester are granted a leave-of-absence or honorable dismissal from College will be graded "W".

Students advised by the Student Personnel Office to reduce their class load will be graded "W", regardless of the date of their withdrawal from the course.

Grade "D" does not carry credit if in major or minor field. (See paragraph (d) below).

b. Credit point:

Grade	Credit points
A	4 for each semester hour
B	3 for each semester hour
C	2 for each semester hour
D	1 for each semester hour

Grades "E", "I", and "W" do not yield credit points.

c. A student's credit point average is based upon all courses carried including courses failed. A student must have a credit point average of 2.0 in order to be graduated.

d. All work of the major and minor departments and in Education, including electives in these departments, must be completed with a grade of "C" or better.

Students may not be assigned to student teaching unless they have earned at least a grade of "C" in required courses in Education and in all work (including electives) in the major or minor in which the assignment is to be made.

Students who fail to earn at least a grade of "C" in their practice teaching will not be recommended for teaching positions.

- e. A full-time student who fails to earn 10 semester hours of credit with an average grade of "C" during any semester in any year shall withdraw from the College unless the appropriate faculty committee grants an official exception. He may, however, be reinstated after an absence of at least one semester, provided he presents evidence satisfactory to the Dean of fitness to resume work.
- f. A student in regular course who fails to secure semester hours, with an average grade not less than "C", aggregating 24 at the completion of his second semester, 56 at the completion of his fourth semester, and 88 at the completion of his sixth semester, shall withdraw from the College unless the appropriate faculty committee grants an official exception.
- g. A student who fails to meet the above scholastic standards may, at the discretion of the appropriate faculty committee, be allowed to continue one additional semester on a probationary basis. Continuance for a probationary semester will be allowed only where there is reason to believe that the cause of the failure will be corrected. Students on academic probation are expected to complete at least 15 semester hours of course work with an average grade of "C" or higher during their semester of probation if their registration is to be continued beyond that semester. It is expected that students on academic probation will carefully limit non-academic activities. Students on academic probation are subject to special regulations regarding class attendance (see page 31). It should be understood that the status of probation does not serve as a punishment for poor scholarship; rather it is a warning that the student's work has fallen to such a point that unless there is definite improvement he will be unable to graduate.
- h. A student who earns "E" in a required course shall repeat such course when it is next offered. Exception: If the failure occurs in the seventh or eighth semester (providing the student is classified as a senior), he may be granted a re-examination at such time as is specified by the Dean.

- i. Semester hour credit will not be recorded for the completion of work of one semester of a two semester course. Exceptions: (1) courses, the catalog description of which exempts the course from this regulation, and (2) those exceptions recommended by the head of the department concerned and approved by the Dean.

4. *Distribution of work*

No student shall register for more than 17 semester hours of work (exclusive of Physical Education) during one semester. Exception: those students who during the semester immediately past have completed a normal load with an average grade of B, or higher, may register for not more than 18 semester hours. (Graduate students see page 50).

5. *Physical Education requirements*

All freshmen and sophomores shall pursue physical education as specified in the outline of degree requirements.

6. *Residence*

To obtain a bachelor's degree, the College requires a student to be in residence at least for the senior year and to secure at least 30 semester hours of credit in courses completed on the College Campus. This latter requirement may be satisfied by four or more summer sessions but no part may be satisfied by extension courses which are completed off the College Campus.

7. *Final Honors*

A student who receives final honor shall have such honor indicated upon the commencement program. He must be in residence for at least two years and earn credit for a minimum of 56 hours of work. A student who earns an average standing of 3.0 or above, but less than 3.4, receives his degree *cum laude*; of 3.4 or above, but less than 3.7, receives his degree *magna cum laude*; of 3.7 or above, receives his degree *summa cum laude*.

The average standing is computed by dividing the number of credit points earned by the number of semester hours of credit taken. A mark of "D" or "E" in practice teaching debars the student from final honors.

On the recommendation of the English Department a student who completes the Honors Program may receive *Honors in English* or *High Honors in English*.

8. *Dean's List*

A student who completes at least 15 semester hours with a credit point average of 3.0 or higher in any semester shall have his name placed on the Dean's List of Distinguished Students for the following semester.

Special Requirements for the Degree of Bachelor of Arts

The following requirements apply to the Class of 1962 and succeeding classes. Candidates for the degree, Bachelor of Arts, who matriculated prior to July 1958, should refer to the Catalog in effect at the time of their matriculation to determine their degree requirements.

In addition to meeting the general requirements specified above, a candidate for the degree of Bachelor of Arts shall complete the following program:

1. Required of All Candidates

English 1A and Speech 1B

History 2 or 3

One Social Science course selected from Economics, Geography, Political Science, Psychology, and Sociology

Humanities: English 2; and a minimum of 6 hours selected from specified courses (designated by an asterisk [*]) in Art, Music, Philosophy, and Comparative Literature, including at least one course from the group: Art, Music, Philosophy.

Foreign Language, 6 hours in Modern Languages course 2, or Latin course 1A or above.

Mathematics or Science as advised, 6 hours

Physical Education, 2-4 semesters.

Introduction to College (page 108).

2. A Major in one of the following approved fields:

English, French, German, Latin, Librarianship, Mathematics, Spanish, Social Studies, combined major and minor in Literature and Speech or in Science. (See Courses of Instruction for specific courses required.)

3. A Minor in one of the following approved fields:

Any subject in the list of majors not selected for a major, Biology, Chemistry, Librarianship, or Physics. Majors in Librarianship are not required to complete a minor but must complete a second and third field as prescribed by the major department. (See Courses of Instruction in Librarianship.)

4. Professional requirements (see Education courses).

Special Requirements for the Degree of Bachelor of Science

The following requirements apply to the Class of 1962 and succeeding classes. Candidates for the degree, Bachelor of Science, who matriculated prior to July 1958, should refer to the Catalog in effect at the time of their matriculation to determine their degree requirements.

In addition to meeting the general requirements specified above, a candidate for the degree of Bachelor of Science shall complete the following program:

1. Required of All Candidates

English 1A and 2, and Speech 1B

History 2

One Social Science course selected from Economics, Geography, Political Science, Psychology, and Sociology

Foreign Language, 6 hours; or 6 hours selected from specified courses (designated by an asterisk [*]) in Art, Music, Philosophy, and Comparative Literature, including at least one course from the group: Art, Music, Philosophy.

Physical Education, 2-4 semesters.

Introduction to College (page 108).

2. Special requirements for individual majors:

Business

Science 1 or Science 2 as advised

Biology

Mathematics, 6 hours in courses numbered above 21

Mathematics

Physics 1

Physics or Chemistry

Mathematics, courses prerequisite to and including Mathematics 27

3. A Major in one of the following fields:

Biology, Business, Chemistry, Mathematics, or Physics, or combined major and minor in Business

4. A Minor

A major in Business may also minor in Business or in any of the fields listed as approved for a minor under the Bachelor of Arts degree. A major in Biology, Chemistry, Mathematics, or Physics must complete a minor prescribed by his major department (see Courses of Instruction).

5. Professional requirements (see Education courses).

Graduate Study

The New York State College for Teachers offers graduate study leading to the degree of Master of Arts, Master of Science, or Master of Science in Library Science. Programs are offered in teaching academic subjects, Speech, and Business in secondary schools, in Education, and in Library Science. The primary purpose of the graduate program is to offer capable students an opportunity and facilities for advanced study and research and to provide a comprehensive view of a field of knowledge, all from the viewpoint of the profession of teaching. Graduate study of this nature is increasingly important in the preparation of teachers and has long been essential for persons engaged in specialized areas of educational service. It is the aim of the graduate program, therefore, to assist its students to achieve the level of understanding and competence basic to successful professional careers in education.

Through the programs students may prepare for teaching in secondary schools or for work in specialized areas of education. Students with other professional objectives may supplement their present training and thus prepare to meet requirements for certification, for in-service training, and for advancement in position.

Graduate programs follow a general yet somewhat flexible pattern which emphasizes an area of specialization. It is intended that, within this framework, each student shall pursue a program consistent with his undergraduate preparation and experience and directed to his personal and professional objectives for graduate study.

Programs leading to a master's degree may be completed in regular sessions and through a combination of on-campus extension courses and summer study. Students enrolled in regular sessions ordinarily are expected to register for full-time study. However, teachers and other persons employed in education may register for part-time study in regular sessions if their schedules permit.

Graduate degree requirements given in this catalog apply to candidates starting graduate study after June 30, 1957. Students who started their graduate study at this College prior to July 1, 1957, are expected to fulfill program requirements in effect on the date on which graduate study was started.

Graduate Programs in Teaching Fields in the Liberal Arts and Sciences

Programs in teaching in the liberal arts and sciences are available in Biology, Chemistry, English, French, Latin, Mathematics, Physics, Social Studies, and Spanish. They are designed to extend the student's preparation in these fields as a background for teaching an academic subject in secondary schools. They lead to the degree of Master of Arts or Master of Science. With the required preparation in professional courses, they qualify the student for a permanent certificate to teach subjects in his field at the secondary level. They are open to college graduates who have completed as a minimum an undergraduate minor in a field of the liberal arts or sciences and initial professional preparation for teaching.

Students may be admitted with deficiencies in the minor under the condition that courses lacking be made up in conjunction with the graduate program. A limited number of deficiencies in undergraduate study in Education may be made up similarly. Courses which are required of the student to complete such undergraduate preparations are not counted for graduate credit and may extend the total program beyond the usual academic year.

A typical graduate program in a teaching field of the liberal arts or sciences consists of (1) graduate study in approved courses in the special field, including a seminar or thesis, (2) at least two advanced professional courses, including one in Philosophy of Education, and (3) remaining hours as advised in related and other fields associated with the student's objective to bring the total to a minimum of 30 semester hours. The distribution of hours and courses in each graduate program is determined by the adviser in consultation with the student.

Graduate requirements are given for each field in the section of the catalog entitled *Courses of Instruction*.

Graduate Program in Speech

The program in Speech provides preparation for teaching courses in public speaking, oral interpretation, dramatics and stagecraft, and for initial work in remedial speech. The program leads to the degree of Master of Arts or Master of Science and qualifies the student for a permanent certificate to teach Speech in secondary schools. In addition, many students may find the preparation suitable for positions in post-secondary institutions.

The program is open to college graduates who have completed 15 semester hours of undergraduate preparation in Speech in appropriate areas, 12 semester hours in English, and undergraduate preparation for teaching in secondary schools. Students lacking some of the prerequisite preparation may be admitted and the necessary undergraduate courses taken in conjunction with the graduate program. Courses which are required of the student to complete such undergraduate preparation are not counted for graduate credit and may extend the total program beyond the usual academic year.

The program consists of (1) 4 semester hours in methods of teaching Speech, (2) 21 semester hours of graduate study in approved courses in the special field, including a seminar, and (3) 5 semester hours of elective graduate courses in English or a related subject as advised.

Graduate requirements in this field are given on page 98.

Graduate Programs in Education

Programs in Education provide basic and advanced professional preparation for teaching and for work in special areas of education depending on the interest, background, and professional objective of the student. They lead to the degree of Master of Arts or Master of Science.

A typical graduate program in Education for students completing preparation for teaching academic subjects, or Business, in secondary schools consists of (1) graduate study in approved courses in Education, including required specialized courses and a seminar or thesis, (2) at least two advanced courses in the teaching field, and (3) remaining hours as advised in related and other fields associated with the student's objective to bring the total program to a minimum of 30 semester hours. Graduate programs for students specializing in other areas of Education are similar to the program above except that advanced courses in the teaching field are optional rather than required. The distribution of hours and courses in each graduate program is determined by the adviser in consultation with the student.

Graduate requirements for programs in this field are given on page 85.

The following areas of concentration are available in the field of Education:

Advanced Classroom Teaching

This program completes preparation for teaching academic subjects or Business in secondary schools. In it a student gives particular attention to a major responsibility of secondary-school teachers as, for example, the teaching process, the guidance of pupils, the development and administration of curricular and other school programs, and reading. A student interested in junior high school teaching may give special attention to that field. The program qualifies the student for a permanent certificate to teach one or more subjects in secondary schools.

The program is open to college graduates who have completed initial professional preparation for secondary-school teaching and a major in a teaching field of the liberal arts or sciences or in Business.

Basic Classroom Teaching

This program provides preparation for teaching academic subjects, or Business, in secondary schools for graduates of liberal arts colleges. It includes study in philosophy of education, psychology, tests and measurements, curriculum, methods and student teaching in the student's teaching field, and related areas. The program qualifies the student for a permanent certificate to teach one or more subjects in secondary schools.

The program is open to college graduates who have completed a major in a teaching field of the liberal arts or sciences or in Business. Students who have also completed a minor may develop it as a teaching field, if they wish. Students may be admitted to the program with deficiencies in a major under the condition that courses lacking be taken in conjunction with or, to the extent the program permits, as a part of the graduate program. Required courses of this nature which cannot be so accommodated and first courses (undergraduate) in methods required in the basic program may extend the total program somewhat beyond the usual academic year.

Developmental Reading in the Secondary School

This program offers specialized study in the field of reading. Its aim is to provide a broad background in reading development, diagnostic testing and remediation; in concepts of intelligence and intelligence testing; and in related psychology. As a part of the program the student works in the Education Clinic where he has an opportunity to put into practice in clinical situations the theories

developed in background courses. The program offers preparation for such positions as remedial reading teacher, reading specialist, and reading supervisor in secondary schools.

The program is open to college graduates who have completed a five-year, or equivalent, program preparing for teaching an academic subject in secondary schools and who hold or are eligible for a permanent certificate in their teaching fields. In exceptional cases it is open to college graduates who have completed undergraduate preparation for teaching in elementary schools or for teaching special subjects in elementary and secondary schools. Preparation in Developmental Reading, although desired, is not required for admission to the program.

General Professional

This program provides advanced study in Education. It is flexible and designed to complement a variety of undergraduate preparations and thus assist the student to acquire a generally well-rounded professional background. Through the program students may qualify for a permanent certificate for teaching consistent with their total professional training.

The program is open only to college graduates who have completed undergraduate preparation for teaching in elementary schools or for teaching special subjects.

Guidance

This program provides a fundamental preparation for Guidance Service in schools. It includes the professional preparation needed for a provisional certificate in guidance. Students may also prepare for a permanent certificate by extending their study somewhat beyond one academic year.

The program is open to college graduates who have completed a five-year or equivalent program preparing for teaching an academic subject in secondary schools and who hold or are eligible for a permanent certificate in their teaching fields. In exceptional cases it is open to college graduates who have completed undergraduate preparation for teaching in elementary schools or for teaching special subjects in elementary and secondary schools.

School Administration

This program provides a basic preparation for administration in public schools. The program offers professional preparation in areas

most closely concerned with the administration and supervision of educational programs. It includes the professional preparation required for the certification of secondary school principals or superintendents of schools. For students without administrative experience the program includes an apprenticeship in administration in cooperating public school systems to the extent that facilities permit.

The program is open to college graduates who have completed a five-year or equivalent program preparing for teaching an academic subject in secondary schools and who hold or are eligible for a permanent certificate in their teaching fields. In exceptional cases it is open to college graduates who have completed undergraduate preparation for teaching in elementary schools or for teaching special subjects in elementary and secondary schools. A minimum of one year of experience in teaching is required for admission to the program.

Graduate Program in Business

The program in Business provides advanced preparation for teaching Business Education in secondary schools and leads to the degree of Master of Science. Two program sequences are offered, one a general program in Business Education and one in Distributive Education. These programs are open to college graduates who have completed provisional certification requirements for teaching business subjects. Students who do not meet this requirement may be admitted to the program and may complete any necessary undergraduate courses in conjunction with their graduate study. These courses are not counted for graduate credit and may extend the total program beyond the usual academic year.

A typical graduate program in Business consists of (1) graduate study in approved courses in the special field, including a seminar, or thesis, (2) at least two advanced professional courses, including one in Philosophy of Education, and (3) remaining hours as advised in related and other fields associated with the student's objective to bring the total to a minimum of 30 semester hours. Each graduate program is determined by the adviser in consultation with the student.

Graduate requirements in this field are given on page 70.

Graduate Program in Library Science

The program in Library Science is designed to provide preparation for library service. Through its major sequences, students may prepare for positions as librarians in elementary and secondary schools, col-

leges, junior colleges and institutes, and in public libraries, including state and federal libraries.

For students with no previous study in Library Science the program normally requires one academic year and a summer session, or five summer sessions of full-time study, for its completion. For students who have completed appropriate undergraduate courses in Library Science, or who present acceptable graduate credits for transfer, the program may be reduced to one academic year or four summer sessions of full-time study.

Students who have completed undergraduate preparation for teaching qualify for a permanent certificate for full-time school library service at the end of their graduate programs. Students who are not so prepared and who desire to qualify for such a certificate must extend their programs to include the undergraduate and graduate courses necessary to qualify for teaching in secondary schools. Such an extension of program is not necessary for students with other professional objectives. They may apply for provisional certification for public library service at the end of one year of graduate study.

Permanent certification for public library service in New York State requires, in addition, two years of library experience and successful completion of an examination given by the Board of Regents of New York State. Students who have qualified for a permanent certificate to teach an academic subject may also be certified for part-time school library service (for five years) upon the completion of 16 semester hours in appropriate library study, graduate or undergraduate.

The program is open to college graduates in the liberal arts or education. Graduates with other appropriate concentrations may also apply. Previous preparation in library science or education, although desirable, is not required for admission to the program.

Graduate requirements in this field are given on page 109.

Fellowships and Scholarships

The Husted Fellowship

A fellowship of \$500 is available biennially to a graduate student who holds a bachelor's degree from the College and who was in residence at the College for at least two years as an undergraduate. The award is made from the Husted Fund which was established in recognition of Dr. Albert N. Husted's fiftieth year on the faculty. The fellowship is not limited to students who are undertaking graduate study at this College.

The Martha Pritchard Scholarship

A scholarship of \$250 is available annually to a graduate student in Library Science. The award is made from the Martha Pritchard Fund which was raised by alumni in that field in honor of Miss Martha Pritchard, pioneer school librarian and first head of the Department of Librarianship at the College.

The scholarship is limited to students admitted to graduate study in Library Science at the College who are planning to become school librarians in New York State.

Applications for the scholarship for 1959-60 should be submitted to the Department of Librarianship, New York State College for Teachers, Albany, New York, before May 1, 1959. Application blanks may be obtained from that office.

Regulations Governing Graduate Study

1. Admission Requirements

Each prospective graduate student must submit a formal application for admission to the College and receive a letter admitting him to graduate study before registering for courses.

An applicant for admission as a graduate student is expected to hold a bachelor's degree from a college or university of recognized standing. His preparation must be appropriate to the program he wishes to pursue and his academic record such as to promise success in a graduate program. The College is interested in the applicant's health and physical qualities, personality, speech, and voice, and admits only those who exhibit no serious defects in these characteristics.

All prospective graduate students apply initially for admission to graduate study. Each applies for admission either (1) in a program leading to a degree or (2) in a non-degree (certification, in-service training, professional improvement) program. With few exceptions students applying for full-time study in regular sessions are expected to apply for admission in a program leading to a degree. Each student applying for admission in such a program must specify a field to which he intends to devote the major portion of his study. Each student admitted to graduate study in a specified program is assigned a faculty adviser by the chairman of his major department.

Admission to graduate study does not necessarily imply admission to candidacy for a degree. Students admitted in a program leading to a degree are considered for admission to degree candidacy after having

completed 12 semester hours of graduate study. Students admitted in a non-degree program are not considered for candidacy for a degree unless they subsequently submit a separate application for admission to candidacy.

Each student is requested to present his application in person where possible and to arrange for further interviews at the College after the application has been submitted. He must submit official transcripts of all undergraduate and graduate study completed. He should supply on the application form the names of persons to whom the College may refer for recommendation. He should also supply information concerning his health and health history on a separate form.

Application forms may be obtained from the College. A health record form will be sent to the applicant after an application for admission and all transcripts have been received. Applications and all other materials related to admission to graduate study should be addressed to the *Director of Graduate Studies*. Applications for the Fall Semester should be submitted before September 1st and for the Spring Semester before January 15th.

2. *Approval of Program*

The distribution of hours and courses making up a graduate program is determined by the adviser in consultation with the student at the beginning of his graduate study. A program becomes official, and represents a requirement to be met by the student as one of the conditions for the award of a master's degree, upon its formal approval by the chairman of the department in which the program centers.

3. *Admission to Candidacy for a Master's Degree*

Students initially admitted to graduate study in a program leading to a degree are considered for admission to candidacy for a master's degree after completing a minimum of 12 semester hours of graduate study provided undergraduate student teaching has also been completed. A student whose academic accomplishment is satisfactory at that time, and who receives his adviser's recommendation, ordinarily may expect to be admitted to candidacy. Admission to candidacy is not automatic, however, and a graduate student becomes a candidate for a master's degree only with the approval of the Dean of the College acting on recommendation of the Committee on Graduate Study.

4. *Extension and Summer Session Students*

Graduate students enrolled in extension courses or in summer session *who expect to obtain a master's degree* are expected to apply for admission to graduate study as in the case of students in the regular sessions and to meet the same standards and requirements. Such students should submit applications as early in their programs as possible, preferably before starting their graduate study. Students may register for work in summer session or extension courses before being formally admitted to graduate study. However, the acceptance of these courses in a degree program is subject to such admission. In all cases applications and academic credentials must be submitted before 12 semester hours of graduate study have been completed. Registration in summer session or extension courses beyond 12 semester hours is dependent upon acceptance of this application. Extension and summer session students ordinarily are not required to submit a health history.

5. *Undergraduates*

Seniors of high standing in the College may receive graduate credit for graduate courses taken in excess of undergraduate requirements in the last semester of their senior year provided not more than 6 semester hours are needed to complete the student's undergraduate program. Permission of the Dean of the College is required and must be obtained in advance of registration to receive such credit. Seniors who are permitted to take courses for graduate credit in their last semester must make formal application for admission to a graduate program and be accepted as a graduate student before registering for study in subsequent semesters.

6. *Fields of Graduate Specialization*

Graduate specialization is available in Biology, Chemistry, English, French, Latin, Mathematics, Physics, Social Studies, Spanish, and Speech; in Education (Classroom Teaching, Developmental Reading, General Professional, Guidance Service, and School Administration); in Business; and in Library Science.

Students who have completed an undergraduate curriculum in a field of the liberal arts or sciences, and who have completed an undergraduate curriculum which prepared them to teach an academic subject in secondary schools may specialize in that field or subject, in Education (Advanced Classroom Teaching), or in Library Science.

Students with similar preparation in arts or sciences who have not completed undergraduate preparation for teaching may specialize in an appropriate area of Education or in Library Science.

Students who have completed undergraduate preparation to teach physical education, industrial arts, music, or similar special fields are limited in their selection to programs of graduate specialization in some area of Education. Students with an undergraduate major in Business may specialize in that field, in Library Science, or in some area of Education. They may also specialize in any field of the liberal arts or sciences in which they have completed an undergraduate minor or its equivalent. Students with an undergraduate major in elementary education may specialize in Library Science or some area of Education. They may also specialize in any field of the liberal arts or sciences in which they have completed an undergraduate minor or its equivalent although the satisfactory completion of the graduate program will not fully qualify the student for a secondary-school teaching certificate. Other students may apply in fields for which their undergraduate curricula provide suitable preparation.

7. Undergraduate Prerequisites for the Special Field

In addition to special requirements that may be imposed in a department of instruction, an undergraduate minor or its equivalent is a minimum requirement preliminary to graduate specialization in a field except in Library Science. A supporting course at the graduate level not in the special field may be included in an official graduate degree program upon the recommendation of the adviser.

8. Graduate Credit Requirements

To qualify for graduate credit in a course, the student must hold a bachelor's degree and have completed as a minimum the equivalent of an undergraduate minor in the field in which the course is offered except where it has been included as a supporting course in an official program for a graduate degree.

9. Semester Hour Credit Requirements

Each candidate for a master's degree is required to present a minimum of 30 semester hours of graduate study. All study for which credit is presented must have been completed within a period of six years unless an extension of time is granted by the Committee on Graduate Study. Candidacy is terminated for students who fail to

meet the requirements for a master's degree within a maximum of 36 semester hours of graduate study at this College except for students whose required graduate programs exceed 30 semester hours. In such cases degree requirements must be completed within the number of hours specified plus six semester hours.

10. Residence

Of the minimum 30 semester hours required for a master's degree at least 26 semester hours in resident graduate study must be completed at this College. Resident courses are those given by the College in regular sessions, in summer sessions and in on-campus extension programs. Off-campus extension courses are non-resident courses.

Under certain conditions, and with the approval of the Dean of the College, credit not to exceed four hours may be accepted for resident graduate work completed at another institution or for non-resident graduate extension courses offered by this College or by other units of State University. An applicant desiring credit for graduate courses taken elsewhere prior to admission to this College must submit his request with his application for admission.

11. Course Load

Graduate students in regular session customarily register for 15 semester hours of work each semester. Students may carry reduced loads if it is in their interest to do so. However, to be considered in full-time study the student must be registered for not less than 12 semester hours of work (14 semester hours for veterans under P.L. 550). Students with superior records, and in exceptional cases other students, may register for 17 semester hours of work provided their programs are approved by their advisers *and* by the Dean of the College or the Director of Graduate Studies.

12. Qualification for Teaching

In order to qualify for a master's degree in any field other than Library Science a candidate must also qualify (or be qualified) to teach in the public schools of New York State. Where necessary the candidate's program may be extended beyond 30 semester hours to satisfy this requirement.

13. Graduate Scholarship Standards

- a. Grades used to evaluate work in graduate courses and the credit points assigned each grade are the same as those

established for undergraduate courses (page 33) except that seminar courses are graded "S" (satisfactory) or "U" (unsatisfactory) with no credit points assigned to these two grades. (Seminar courses are excluded in computing the credit point average.)

- b. Only courses completed with grades of "A", "B", "C", or "S" may be applied to graduate course requirements and to semester hour requirements for the master's degree.
- c. A graduate student who is a candidate for a master's degree must earn an average of 3.0 credit points in all resident graduate courses accredited toward his degree.

14. *Certificates for Teaching, Administrative, Supervisory, and Special Educational Services*

A master's degree conferred by this College in an appropriate field entitles the holder to a teaching certificate in accordance with the regulations of the Board of Regents of New York State.

The Board of Regents has established professional requirements which must be met by persons who wish to become superintendents of schools, principals of secondary schools, supervisors of secondary school subjects, specialists in guidance, or school librarians. Graduate students preparing for such positions may plan their work so that the requirements for a special certificate and those established by the College for a master's degree may be met at the same time. Persons interested in qualifying for such a certificate should consult certification bulletins prepared by the New York State Education Department for official statements of requirements.

Student Personnel Services and Student Activities

Advisory and Counseling Services

BECAUSE OF THE special problems which confront freshmen, a member of the faculty in a department of special interest to each freshman is designated as his adviser. Thus, each freshman may consult an experienced adult for general academic information, or for advice on personal problems.

Upperclassmen are expected to consult their respective major department chairman, or an adviser designated by him, for guidance regarding their academic programs.

Available to all students is the counseling service of the Student Personnel Office. In this office, individual students may consult the Dean of Men or the Dean of Women regarding study habits, work load, housing, finances, loans, or other personal problems. In addition, students may receive an interpretation of the results of tests given at the time of their application for admission and during Freshman Week. Such an interpretation can be helpful in selecting, or changing, a field of study. Also available through this office is special help on psychological problems and in reading. Classes for the increase of speed and comprehension in reading are held once a week for eight-week periods each quarter during the year.

Orientation

The College offers an orientation program for beginning students to help them in their adjustment to the new academic, professional, and social life which they face. This program centers in the Student Personnel Office and is carried out with the cooperation of both faculty and students.

The Student Guides, a selected group of young men and women from the sophomore and junior classes, correspond with incoming students during the summer months, answering their many questions about college and making them feel that they will have at least one friend when they come to Albany. During the first weeks of the

semester these guides assist the new students in becoming accustomed to the ways of college.

Freshman Week, September 11 to September 16, starts with a three-day period when all freshmen are housed on the residence quadrangle. This gives new students a chance to learn much about the College and to become acquainted, through informal contacts, not only with each other but also with upperclass leaders and with many members of the faculty. The rest of the week is spent in conferring with faculty advisers, registering, furnishing psychological and other data, and making use of various social and recreational opportunities. Attendance at freshman week is required of all freshmen.

Student Residence

The College assumes general control over the residence of students. No student is considered regularly enrolled and in good standing unless he resides in a college residence hall, or at home, or has the written permission of the Housing Officer to live elsewhere. This applies to graduate as well as to undergraduate students.

Application may be made for the residence halls as soon as a final acceptance has been received. About July 15 assignment to halls will be made on the basis of dates on which applications for residence have been received. Every effort is made to assign students to a hall of their choice. A file of approved rooms is maintained in the Student Personnel Office for those students who cannot be placed in residence halls.

No change in residence during the college year may be made without the written approval of the Housing Officer.

Inquiries regarding residence halls should be addressed to Housing Officer, New York State College for Teachers, Albany 3.

For a list of College residence halls, see page 25.

Student Activities

The College's program of student activities reflects its concern for the all-around development of those who will be its graduates; mature, responsible membership in important affairs of the College is open to all students.

The government of the College body is in the hands of the students through the Student Association, which is a representative form of government. All regularly enrolled students are members of the Student Association and are responsible for voting in the election of

their officers and representatives. Through the legislative body, the Student Senate, the work of the judicial body, Myskania, and its executive branch, the President and his Cabinet, the Student Association carries primary responsibility for the social program of the student body, for the support of student activities through the allocation of the Student Association fee, for the conduct of student affairs, and for the maintenance of student morale, traditions, and conduct.

The variety of activities is evident in the fact that over thirty organizations are recognized by the Senate. Of these, twenty receive support from the student fee, allocated through a budget approved by the Senate. Thus, the student tax ticket admits to practically all major Campus events.

The policy of the College reflects the belief that a well balanced athletic program is an integral part of college life. An intramural athletic program is conducted for both men and women under the governance of the Men's Athletic Association and the Women's Athletic Association. Intercollegiate athletic schedules are maintained in soccer, basketball, baseball, and wrestling. Intercollegiate athletics are subject to policy determination of Athletic Council, composed of three students and two faculty members.

The students publish *The State College News*, a weekly newspaper; *The Pedagogue*, the senior yearbook; the *Primer*, the literary annual; the *Freshman Handbook*; and several class and club periodicals.

The Dramatics and Arts Association presents approximately fifteen evenings of student plays each year, in addition to guest artists and exhibits. The Music Association offers several concerts each year, and brings guest performances to the College; opportunities are open for band, orchestra, chorus, and small ensemble participation. Debate Council members participate in intercollegiate debates each year, competing with consistent success with teams from the major colleges of the East.

Other organizations reflect the breadth of student interests. Forum is concerned with the problems of national policy and politics, and brings guest speakers on topics of interest. Several religious, service, and departmental clubs give expression to other student interests.

In keeping with the high academic standing of the College various national honor societies have chapters at State College. Social societies include eight sororities and four fraternities.

The Inter-Sorority Council, the Inter-Fraternity Council, the Residence Council discharge responsibilities in their designated areas. The Campus Commission carries responsibility for the supervision of non-academic facilities on the campus; the Student Union Board, for the program and provisions of the Student Union.

The Student Union which is located in Brubacher Hall serves as a center for many of these activities as well as for various informal social gatherings. Its activity rooms, lounges, game room, and snack bar serve both resident and non-resident students.

Student Health Services

The College physicians are available to students for physical examinations, consultation, first-aid, limited treatment, and proper referral. The Medical Office is located in room 107, Draper Hall. Regular office hours are maintained from 9:30-11:30 A. M. and 1:30-3:30 P. M. Emergencies may be seen at any time during the school day. All serious illnesses and injuries and any illness requiring absence from class should be reported to the Medical Office during office hours.

The College Physicians are available, on call, to all students not living at home with their own families. Through them, provision is made for medical service to those students confined to bed by illness. Students living with their own parents should call the regular family physician directly for treatment since their insurance plan allows for such care. They should, however, still report their illness to the Medical Office.

In 1952-53, the Student Association adopted a Health and Accident Insurance Plan. This plan costs \$16.50 for the school year 1958-59 and provides up to a total of \$500 for each accident or illness including \$12 a day while in the hospital, \$4.50 for each home visit by a private physician, and up to \$60 for prescribed medications. This plan, by action of the Student Association, has been made compulsory for all students except those who have equivalent coverage and are accordingly excused by the Student Personnel Office.

Teacher Placement

The Teacher Placement Bureau, Room 101, Draper Hall, is designed to assist all qualified graduates of the College into new or beginning positions, and to maintain a professional record of all graduates of the institution. Experienced teachers as well as inexperienced

graduates are encouraged to maintain an up-to-date file of credentials with the Placement Bureau. The staff of the Bureau is available for consultation and advisement of any problems related to teacher placement.

All full-time students, graduates and undergraduates, who are eligible for a degree and/or a teaching certificate by the end of the college year are required to file during that year at least two copies of confidential materials and recommendations for record purposes with the Teacher Placement Bureau. There is a service charge of \$10.00 for this filing.

Registration procedures for all students will be announced on college bulletin boards each fall semester. Students admitted at other semesters of the year should consult the staff of the Bureau. Inquiries concerning candidates for teaching positions should be addressed to the Director, Teacher Placement Bureau, State University College for Teachers, Albany 3.

Student Self-Help

(See page 59).

Expenses and Financial Aid

Fees

There is no charge for instruction to residents of New York State. Students who have their homes in other states are charged a tuition fee of three hundred dollars for each year of attendance. All students are required to pay certain special fees which have been authorized by the Board of Trustees of the State University.

Following is a schedule of expenses for a full-time student for the year 1959-60:

a. College Fee — Per Semester.....	\$ 27.50
b. Student Activity Assessment (estimated, undergraduate) — Per Year	27.00
Student Activity Assessment (estimated, graduate) — Per Year	13.50
c. Books (approximate) — First Semester.....	40.00
Second Semester.....	30.00
d. Room and Board in Residence Halls (except lunches) for the Academic Year.....	620.00-660.00
e. Class Dues (undergraduate) — Per Year.....	2.00
f. Health and Accident Insurance — Per College Year, esti- mated	16.50
g. Graduation Assessment, payable at time of final registration	7.00
h. Service charge for Late Registration.....	5.00

To the expenses given above should be added approximately \$125 for lunches and \$100 miscellaneous expenses. It is, therefore, suggested that each student have a minimum of \$1100.00 for the year. This would not include money for transportation, clothing, or recreation which varies with the individual.

All fees, assessments, class dues, and the Health and Accident Insurance premium are payable at the time of registration. Charges for room and board in the residence halls are also payable in full for the semester at registration time unless other arrangements are made in the Student Personnel Office. State scholarship holders may defer

part of the payment of the residence fee until scholarship checks are received.

A student who is in arrears in his college or residence fees for any semester will not be allowed to re-register for the succeeding semester. Transcripts, or grades, of work completed will not be issued until all fees and charges for room and board have been paid in full.

State Scholarships

The State of New York provides for its residents scholarships of several different types. They are administered by the State Department of Education. State Scholarships for which students at this College may be eligible are as follows:

1. *University Scholarships*, awarded to high school graduates on the basis of a written comprehensive examination and carrying a stipend for four years, the amount based on need.
2. *State Scholarships in Science and Engineering*, awarded on the basis of a competitive examination and carrying a stipend, based on financial need, for each year of study with a major in mathematics, physics, or chemistry.
3. *State War Service Scholarships* for honorably discharged veterans of the Korean War, carrying a stipend of up to \$350.00 a year for four years of full or part-time study.
4. *State Scholarships for Children of Deceased or Disabled Veterans*, entitling the holders to \$450.00 a year for four years.

Information relative to the procedure for applying for any of the above scholarships can be obtained by addressing The New York State Department of Education, Albany, New York.

Students who are able to attend college only if they receive a State Scholarship should file an application form for admission. If such scholarship is not awarded, these applicants are privileged to withdraw. Continuation of these scholarships for four years depends upon the observance of college regulations and the maintenance of satisfactory standards of attainment.

Student Loans and Grants

The College and the Alumni Association of the College have memorial funds and legacies from which loans and grants are made to students. Memorial funds have been established in honor of stu-

dents who fell in World War II and in memory of alumni and members of the faculty. Gifts and legacies by alumni and friends of the College, constitute funds for loans or grants. From the Newton B. VanDerzee Scholarship Fund, set up by the Alumni Association, twenty to thirty grants are made to undergraduates each year on the basis of financial need and worthiness.

The State of New York and the Federal Government have each recently set up means by which needy students may borrow money to help finance their college educations on both undergraduate and graduate levels. The maximum amount which may be borrowed in any one college year is \$1,000. The State has set up the New York Higher Education Assistance Corporation which guarantees loans made by participating New York State banks. Application forms for these loans may be secured from the College, from a local cooperating bank, or by writing directly to the New York Higher Education Assistance Corporation, State Education Building, Albany, New York. Application forms for loans from the Federal Government may be secured through College Student Personnel Office.

Some churches and service organizations, both national and local, maintain loan funds from which students of this College may borrow.

Students desiring additional information about loan funds should consult one of the Deans of Students who will refer them to the various agencies which administer these funds.

Student Self Help

A part-time employment service is maintained as part of the Teacher Placement Bureau, Room 101, Draper Hall. This office coordinates and lists on the part-time employment bulletin board calls for employment. The facilities of the Part-Time Employment Bureau are for the use of all students at the College. A few students with excellent health and outstanding academic ability sometimes earn a considerable part of their expenses; however, it is considered unwise to enter upon college study without sufficient funds to carry through the first year.

A few students are granted permission to earn part of their expenses by living in private homes where they receive board and room in return for household services. Inquiries about this type of work and application for such permission should be addressed to the Housing Officer.

The Veteran

The New York State College for Teachers has been approved under the provisions of Public Law 550, popularly known as the Korean Veterans Law. Therefore, a veteran who is in attendance at this College is generally eligible for substantial financial assistance.

Those veterans eligible under Public Law 550 receive a monthly allowance, while in attendance at College, which is paid directly to the veteran. This is intended to cover the usual cost for fees and books as well as basic living expenses.

A veteran who wishes to apply for the educational advantages offered under Public Law 550 should make application to the Veterans Administration for a certificate of eligibility and entitlement. On receipt of the certificate of eligibilty and entitlement, that document should be held in the possession of the veteran until he registers at the College at which time the certificate is surrendered at the Office of the Registrar.

Courses of Instruction

1. *Unit of academic credit.*

The semester hour is the unit of academic credit and represents one hour of lecture or recitation or a minimum of two hours of laboratory work each week for one semester. Where laboratory work is part of a course this fact is indicated in the course description.

2. *Significance of course numbers.*

1 to 99 indicate courses open to all undergraduates.

100 to 199 indicate courses open to juniors and seniors, closed to freshmen, and open to sophomores only with the permission of the chairman of the department in which the course is offered.

200 to 299 indicate courses open to seniors and graduate students, closed to freshmen, sophomores, and juniors. Courses below the 200 level do not yield credit toward a master's degree.

300 to 399 indicate courses open solely to graduate students.

3. *Abbreviations used for numbering courses:*

AR.Art	HY.History
BI.Biology	IC.Introduction to College
BU.Business	LA.Latin
CH.Chemistry	LI.Librarianship
CL.Comparative Literature	MA.Mathematics
ES.Earth Science	MU.Music
EC.Economics	PE.Physical Education
ED.Education	PH.Physics
EN.English	PL.Philosophy
FR.French	PS.Political Science
GE.German	PY.Psychology
GK.Greek	RU.Russian
GY.Geography	SC.Science
HE.Safety and Health Education	SH.Speech
HU.Interdepartmental Humanities	SO.Sociology
	SP.Spanish
	SS.Social Studies

4. *Faculty assignments.*

All assignments to departments and to courses, listed for faculty members, are those for the college year 1958-59.

5. Those courses marked with an asterisk are acceptable towards the humanities requirement for the bachelor's degree (see page 37).

ANCIENT LANGUAGES AND LITERATURE

Professor Edith O. Wallace, *Chairman*

Professor Mary G. Goggin.

Assistant Professor Lois V. Williams.

I. GREEK

GK. 1. ELEMENTARY GREEK

Miss Goggin

First Greek Book—Composition. Reading of selected passages from Xenophon and others. Admission with consent of instructor.

Credit 6 hours, year course.

GK. 203.* TYPES OF GREEK LITERATURE

Miss Wallace

See courses in Comparative Literature.

II. LATIN

Minor requirement: Eighteen hours, including LA. 1C, LA. 2, and 6 additional hours beyond LA. 2, 4 of which must be in literature in Latin or in composition.

Major requirement: Courses and hours prescribed for the minor, 3 additional hours in literature in Latin or in composition, and GK. 203.

Graduate requirement: LA. 311 and additional hours as advised. (See page 39).

LA. A. ELEMENTARY LATIN

Miss Williams

Grammar, composition, conversation, and the reading of Latin. For beginners.

Credit 8 hours, year course.

LA. 1A. LATIN LITERATURE

Miss Williams

Selected readings from prose authors, especially Cicero (Orations, Letters) and from Vergil (Aeneid). Prerequisite: two years of Latin in high school or course LA.

Credit 6 hours, year course.

LA. 1B. LATIN LITERATURE

Miss Goggin

Vergil (Aeneid). Prerequisite: three years of high school Latin for admission.
Credit 6 hours, year course.

LA. 1C. LATIN LITERATURE

Miss Goggin, Miss Williams

Cicero (selections from *De Amicitia* and *De Senectute*), Catullus (selections), Horace (selected Odes), Vergil (selections from the Eclogues and the Georgics). Prerequisite: four years of high school Latin for admission or LA. 1A or 1B.
Credit 6 hours, year course.

LA. 2. PROSE READINGS AND COMPOSITION

Miss Wallace

Selections from Livy's History and Tacitus' Annals. The sequence is a basis for study of the change from Republic to Empire. In connection with their reading, students will have constant practice in writing Latin. Prerequisite: LA. 1C.
Credit 6 hours, year course.

LA. 8. ROMAN LIFE

Miss Goggin

Studies of the family, amusements, the economy, political life, education, and philosophy of the Romans. Not open to Freshmen.
Credit 2 hours, second semester.

LA. 9. ANCIENT ROME

Miss Williams

A study of the monuments and topography of Rome, the progressive stages in the growth of the city, the development of major architectural types, Roman and Etruscan sculpture, and Roman, Etruscan, and Pompeian painting. Not open to Freshmen.
Credit 2 hours, first semester.

LA. 10.* TYPES OF LATIN LITERATURE

Miss Wallace

See courses in Comparative Literature.

LA. 103. OVID

Miss Wallace

The Fasti, a storehouse of folk tradition, and The Metamorphoses, Ovid's place in the history of the Latin epic, and his influence on subsequent European literature. Prerequisite: LA. 1C. Alternates with LA. 104.

Credit 2 hours, first semester

LA. 104. GREAT ROMAN WRITERS OF LETTERS

Miss Wallace

Selected letters of Cicero and Pliny, with a study both of their epistolary style and of the letters as an important source for the history of the Roman Republic and of the Empire. Prerequisite: LA. 1C. Alternates with LA. 103. Not offered in 1959-60.

Credit 2 hours, first semester.

LA. 112. CRITICAL STUDIES IN CAESAR

Miss Williams

Intensive and extensive reading of Caesar's *De Bello Gallico* and *Bellum Civile* (selections not to be limited to those usually read in the high school)

and an introduction to the literature on the man and the period. Prerequisite: LA. 2. Alternates with LA. 113. *Credit 2 hours, second semester.*

LA. 113. CRITICAL STUDIES IN CICERO *Miss Williams*

Intensive and extensive reading of Cicero's orations and rhetorical works (selections not to be limited to those usually read in high school) and an introduction to the literature on the statesman and the period. Prerequisite: LA. 2. Alternates with LA. 112. Not offered in 1959-60.

Credit 2 hours, second semester.

114

LA. 205. COMPOSITION *Miss Wallace*

Designed to give prospective teachers competence in writing consecutive passages of narrative and exposition. Prerequisite: LA. 2.

Credit 2 hours, first semester.

LA. 216. THE PHILOSOPHICAL ESSAYS OF CICERO AND SENECA

Miss Wallace

Selections from the *Tusculan Disputations*, the *De Finibus*, and the political essays of Cicero, and from the essays of Seneca. Prerequisite: LA. 2. Alternates with LA. 217.

Credit 3 hours, second semester.

LA. 217. LUCRETIUS *Miss Wallace*

The *De Rerum Natura*, philosophy and poetry. Prerequisite: LA. 2. Alternates with LA. 216. Not offered in 1959-60.

Credit 3 hours, second semester.

LA. 220. MEDIEVAL PROSE AND POETRY *Miss Williams*

New types of literature as they evolved, and the language as it changed from the classical tradition to that of the Renaissance. Prerequisite: LA. 2. Alternates with LA. 221.

Credit 3 hours, first semester.

LA. 221. ROMAN ELEGIAC POETS *Miss Williams*

Selections from Tibullus, Propertius, and Ovid. Prerequisite: LA. 2. Alternates with LA. 220. Not offered in 1959-60.

Credit 3 hours, first semester.

LA. 230. ROMAN SATIRE *Miss Goggin*

The origin and early history of this form with readings from the Satires of Horace and Juvenal. Prerequisite: LA. 2. Alternates with LA. 231.

Credit 3 hours, first semester.

LA. 231. TACITUS *Miss Goggin*

The *Dialogus de Oratoribus*, and the *Agricola* will be read with emphasis upon the essential elements of ancient rhetoric. Prerequisite: LA. 2. Alternates with LA. 230. Not offered in 1959-60.

Credit 2 hours, first semester.

LA. 245. ROMAN COMEDY

Miss Williams

Four plays of Plautus and Terence will be studied, others considered in their place in the development of European Drama. Prerequisite: LA. 2. Not offered in 1959-60. *Credit 2 hours, second semester.*

LA. 246. ELEMENTS OF THE NOVEL IN LATIN LITERATURE

Miss Williams

The *Satyricon* of Petronius Arbiter and the *Metamorphoses* of Apuleius will be studied in relation both to the culture of their respective periods and to the development of the novel from its Greek predecessors to its modern form. Prerequisite: LA. 2. Alternates with LA. 245. *Credit 2 hours, second semester.*

LA. 311. SEMINAR IN VERGIL

Miss Wallace

A study of the Aeneid in the development of the European epic. *Credit 6 hours, year course.*

ART

Associate Professor Edward P. Cowley, Jr., *Chairman*

Visiting Lecturer: Harriet D. Adams

AR. 1A.* HISTORY OF ANCIENT AND CLASSICAL ART *Miss Adams*

Architecture, sculpture, and painting from earliest times to the Romanesque period. Prerequisite: AR. 3. *Credit 2 hours, first semester.*

AR. 1B.* HISTORY OF MEDIEVAL AND RENAISSANCE ART

Miss Adams

Architecture, sculpture, and painting from the medieval period to the nineteenth century. Prerequisite: AR. 3. *Credit 2 hours, second semester*

AR. 1C.* HISTORY OF MODERN ART

Mr. Cowley

Study of architecture, painting, sculpture, and related arts. Prerequisite: AR. 3. *Credit 2 hours, second semester.*

AR. 3.* ART APPRECIATION

Mr. Cowley

Study of architecture, painting, sculpturing, and the applied arts. Accent on understanding the general criteria which underlie and determine quality in the various art forms. *Credit 2 hours, either semester.*

AR. 4. FUNDAMENTALS OF ART

Mr. Cowley

A basic course in drawing, painting, and sculpture. Laboratory experience with a variety of art media. Emphasis on the study of line, color, texture, form,

and space; and the application of these elements to two- and three-dimensional design. Two 2-hour periods each week.

Credit 2 hours, either semester, or 4 hours, year course.

AR. 8. DESIGN AND COMPOSITION

A studio course in three-dimensional design. Instruction in the use of traditional and modern sculptural mediums. Prerequisite: AR. 4.

Credit 2 hours, either semester, or 4 hours, year course.

AR. 15.* HISTORY OF AMERICAN ART

Mr. Cowley

A study of architecture, painting, sculpture, and related arts in the United States from 1600 to the present. Prerequisite: AR. 3.

Credit 2 hours, first semester.

AR. 18. DRAWING AND PAINTING

Mr. Cowley

A studio course in drawing and painting; instruction in the use of traditional and modern techniques of composition in oil painting. Prerequisite: AR. 4.

Credit 2 hours, either semester, or 4 hours, year course.

BIOLOGY

Professor Paul C. Lemon, *Chairman*

Associate Professors: Allen H. Benton, Edward Berg, Richard S. Hauser, Katherine H. Heinig, Hudson S. Winn.

Assistant Professors: Margaret M. Stewart, Frederick H. Truscott.

Minor requirement (A.B. and B.S. degree). The following courses are required and should be taken in this sequence:

Freshman year—BI. 22, BI. 25 (either first).

Sophomore and junior years—BI. 101, BI. 119, and either BI. 122A and BI. 122B, or BI. 125A and BI. 125B.

Junior or senior year—BI. 106.

And 6 additional hours in Biology as advised.

Major requirement (B.S. degree). The following courses are required and should be taken in this sequence:

Freshman year—BI. 22, BI. 25 (either first).

Sophomore and junior years—BI. 101, BI. 119, BI. 122A, BI. 122B, BI. 125A, BI. 125B.

Senior year—BI. 106, and 3 additional hours in Biology as advised.

Earth Science, 3 hours as advised.

A minor consisting of CH. 18, CH. 106, PH. 1, PH. 18. CH. 18 or PH. 1 should be undertaken freshman year.

Graduate requirement: BI. 311 and additional hours as advised.

NOTE: Students who expect to undertake graduate work in Biology are strongly urged to elect French or German.

BI. 14. ENTOMOLOGY

Mr. Benton

Structure, life history, and classification of insects with emphasis on their relations to man. Collection and preservation of insects. Field study. Prerequisite: BI. 25 or consent of the instructor.

One class period, one laboratory period each week. Credit 2 hours, first semester.

BI. 15. ORNITHOLOGY

Mr. Benton

Local birds, their habits and economic importance. Field study. Admission with consent of the instructor.

One class period, one laboratory period each week.

Credit 2 hours, second semester.

BI. 20. CONSERVATION OF NATURAL RESOURCES

Mr. Benton

Scientific study of the proper management of forests, wildlife, soil, water, and other natural resources; field observation of progressive management systems in conservation.

One class period, one laboratory period each week.

Credit 2 hours, either semester.

BI. 21. ECONOMIC BOTANY

Mr. Lemon

Utilization of plants in agriculture, horticulture, industry, and everyday life; includes a brief consideration of medicinals, poisonous plants, and weeds. Prerequisite or parallel: BI. 22.

One class period, one laboratory period each week. Credit 2 hours, first semester.

BI. 22. INTRODUCTORY PLANT BIOLOGY

Mr. Hauser

Survey of the plant kingdom. Structure, function, and relationship of plants to their environment.

Two class periods, one laboratory period each week.

Credit 3 hours, either semester.

NOTE: This course may either precede or follow BI. 25, but these courses are not to be taken concurrently without consent of the Chairman of the Department.

BI. 25. INTRODUCTORY ANIMAL BIOLOGY

Mr. Winn

Structure, function, and relationships of animals as a basis for a biological understanding of man.

Two class periods, one laboratory period each week.

Credit 3 hours, either semester.

NOTE: This course may either precede or follow BI. 22, but these courses are not to be taken concurrently without consent of the Chairman of the Department.

BI. 101. GENETICS

Mr. Hauser, Miss Heinig

The principles of plant and animal heredity, with applications to human biology. Prerequisite: BI. 22 and 25, or permission of the instructor. Open to sophomores, juniors, and seniors.
Credit 2 hours, either semester.

BI. 106. DEVELOPMENT OF BIOLOGICAL THOUGHT

Mr. Winn

Development of the major concepts of Biology. Prerequisite: Ten hours of biology, including BI. 22 and 25. Restricted to juniors and seniors.
Credit 2 hours, either semester.

BI. 119. FIELD BIOLOGY

Mr. Benton, Miss Stewart

Local flora and fauna from an ecological viewpoint, including identification of the common animals and plants of New York State; introduction to standard biological techniques. Prerequisite: BI. 22 and 25. Open to sophomores, juniors, and seniors.

One class period, one laboratory period each week.

Credit 2 hours, either semester.

BI. 122A. PLANT MORPHOLOGY

Mr. Lemon, Mr. Truscott

Structure and relationships of the plant groups, particularly emphasizing the lower phyla. Typical life cycles and evolutionary trends are considered. Prerequisite: BI. 22.

Two class periods, one laboratory period each week.

Credit 3 hours, first semester.

NOTE: Either BI. 122A or BI. 122B may be taken first.

BI. 122B. PLANT PHYSIOLOGY

Mr. Lemon, Mr. Truscott

Life processes of plants, particularly of the higher phyla. Includes such phases of metabolism as photosynthesis, elaboration, digestion, storage, and respiration. Prerequisite: BI. 22. CH. 106 recommended but not required.

Two class periods, one laboratory period each week.

Credit 3 hours, second semester.

BI. 125A. INVERTEBRATE ZOOLOGY

Mr. Berg, Miss Stewart

Structure and natural history of the invertebrate animals, with laboratory examination of representative forms. Prerequisite: BI. 25.

Two class periods, one laboratory period each week.

Credit 3 hours, first semester.

NOTE: Either BI. 125A or BI. 125B may be taken first.

BI. 125B. COMPARATIVE VERTEBRATE ANATOMY.

Mr. Berg, Miss Stewart

Comparative anatomy and development of the vertebrate animals, including dissection of representative forms of each class. Prerequisite: BI. 25.

Two class periods, one laboratory period each week.

Credit 3 hours, second semester.

BI. 200. CYTOLOGY

Miss Heinig

Study of the microscopic components of plant and animal cells with emphasis on chromosome structure and behavior. Various aspects of the relation of cytology to heredity and taxonomy are considered and some practice in histochemical techniques given.

Two class periods, one laboratory period each week.

Credit 3 hours, second semester.

BI. 204. ANIMAL PARASITOLOGY

Mr. Berg

The biology of animal parasites, including practice in the techniques by which they are investigated.

Two class periods, one laboratory period each week.

Credit 3 hours, second semester.

BI. 206. CONTEMPORARY BIOLOGICAL THOUGHT

Critical consideration of the nature of problems and design of experiments selected from current investigations.

Credit 2 hours, second semester.

BI. 210. PLANT TAXONOMY

Mr. Lemon

Principles of classification and practice in identification of plants, with special emphasis on the local flora.

Two class periods, one laboratory period each week.

Credit 3 hours, first semester.

BI. 214. MICROBIOLOGY

Mr. Hauser

Classification of microorganisms, chiefly the bacteria; the methods of their isolation and culture; their relationship to disease, public health, and industrial problems.

Two class periods, one laboratory period each week.

Credit 3 hours, first semester.

BI. 216. BIOGEOGRAPHY

Mr. Hauser

Origin and differentiation of floras and faunas; biotic regions of the world, principles of distribution: migration, adaptation, evolution, and extinction.

Credit 2 hours, second semester.

BI. 303. ANIMAL HISTOLOGY

Mr. Berg

The microanatomy of mammalian tissues and organs, including experience in preparation and microscopic examination of materials.

Two class periods, one laboratory period each week.

Credit 3 hours, first semester.

BI. 311. SEMINAR IN BIOLOGY

The Departmental Staff

Directed research and discussions by graduate students in a field of biological science.

Credit 3 hours, each semester.

BI. 312. ECOLOGY

Mr. Lemon

Interrelations of organisms and their environment. Study of the community, competition, succession, and biological balances.

Two class periods, one laboratory period each week.

Credit 3 hours, second semester.

BI. 313. PHYSIOLOGY

Mr. Winn

Theoretical and experimental analysis of the functions of organisms.

Two class periods, one laboratory period each week.

Credit 3 hours, first semester.

BUSINESS

Professor Milton C. Olson, *Chairman*

Professors: Edward L. Cooper, Roswell E. Fairbank, Reno S. Knouse.

Associate Professors: Elizabeth E. Burger, Albert C. Mossin, Donald J. D. Mulkerne, Clifton C. Thorne.

Assistant Professors: Carroll H. Blanchard, Jr., William E. Seymour, William F. Sheehan.

Major requirement (B.S. Degree, General business certification) :

BU. 1, 2, 3 (3 hours), 6, 7, 8, 10, 13, 15B, 19, 109 (or EN. 110), 111 and 125; EC. 3, and 105 or 203 or 206.

Major-minor requirement (General business and stenography certification) : Courses and hours prescribed for the major, BU. 114, 208.

Major-minor requirement (General business and accounting certification) : Courses and hours prescribed for the major, BU. 3B, 217, 210 or 215, and EC. 238.

Major-minor requirement (General Business and Distributive Education certification) : Courses and hours prescribed for the major, BU. 113, 120 and three courses selected from BU. 24, 122, 212, and 221.

Graduate requirement. A candidate for the degree, Master of Science, who has completed the certification requirements established by New York State for a teacher of business subjects may select Business as his field for graduate specialization. One of the following programs is suggested:

GENERAL

1. Professional constants:
BU. 316, 318, 319, and 323.
ED. 301A.
2. Merchandising and salesmanship as advised.
BU. 212, 213 or 216.
3. Electives as advised from courses in business, economics, education, or other fields.

MERCHANDISING AND SALESMANSHIP

1. Professional constants:
BU. 318 and 323.
ED. 301A.
2. Merchandising and salesmanship as advised.
BU. 212, 213, 216, 220, 221, 320, 338, 339 or 334.
3. Electives as advised from courses in business, economics, education, or other fields.

BU. 1. BUSINESS MATHEMATICS

Mathematics of merchandising, manufacturing, banking, investments, governmental revenue, insurance, interest, annuities, sinking funds, and graphs.

Credit 4 hours, either semester.

BU. 2. PRINCIPLES OF ACCOUNTING

Introduction to accounting theory and practice, the basic elements of debit and credit, the account, original records, periodic statements. The accounting records for single proprietorships, partnerships, and non-trading concerns. A student who has passed a New York State Regents' examination in bookkeeping will not take the first semester's work. *Credit 6 hours, year course.*

BU. 3A. GENERAL ACCOUNTING

Accounting for corporations, cash and temporary investments, receivables, inventories, one-book system, preparation and interpretation of statements.

Prerequisite: BU. 2B.

Credit 3 hours, either semester.

BU. 3B. GENERAL ACCOUNTING

Accounting for manufacturing, departments, consignments, installment sales, branch houses, intangibles, problems of depreciation, reserves, valuations, sinking funds, income, and surplus; single entry analyses. Prerequisite: BU. 3A.

Credit 3 hours, second semester.

GY. 3. ECONOMIC GEOGRAPHY See page 138.

BU. 6. BUSINESS LAW

Mr. Mossin and Mr. Sheehan

Legal principles underlying business relations, including those of contracts, agency, employment and labor-management relations, negotiable instruments, bailments, common carriers, sales, insurance, suretyship, partnerships and corporations.

Credit 4 hours, year course.

BU. 7A. ELEMENTARY SHORTHAND

Introduction to Gregg Shorthand Simplified. Includes a study of brief forms, vocabulary building, phrases, and other knowledges necessary for rapid and correct reading and writing in shorthand. Restricted to students who have had little or no previous training in shorthand.

Credit 2 hours upon completion of BU. 8B with a satisfactory grade.

BU. 7B. INTERMEDIATE SHORTHAND

Continuation of the knowledges necessary to strengthen the student's mastery of shorthand; development of speed in reading and writing shorthand; pretranscription training. Prerequisite: BU. 7A or its equivalent.

Either semester. Four class hours each week.

Credit 2 hours upon completion of BU. 8B with a satisfactory grade.

BU. 8A. ADVANCED SHORTHAND

Emphasis upon the development of speed and accuracy in taking dictation of new material; introduction to transcription involving the use of the typewriter. Prerequisite: BU. 7B, or passing of shorthand Regents' examination in high school, and BU. 15A.

Credit 3 hours, either semester.

BU. 8B. TRANSCRIPTION

Development of speed and accuracy in transcribing mailable letters on the typewriter. Prerequisite: BU. 8A.

Credit 3 hours, either semester.

BU. 10. BEGINNING TYPEWRITING

Development of basic typing skills and knowledges including proper use and care of the typewriter and correct typing techniques. Application of these skills in typing simple business and personal letters, tabulations, and manuscripts. Does not carry degree credit but counts as 2 hours on student's schedule.

First semester. Five class hours each week.

BU. 13. SURVEY OF BUSINESS PRINCIPLES AND PRACTICES

Investigation and study of the meaning, scope, and place of business in economic organization; introduction to organization of business for management; types of business ownership; personnel administration; purchasing and production control. Consideration also given, from the consumer viewpoint, to management of income, investments, insurance, travel and banking services.

Credit 4 hours, either semester.

BU. 15A. INTERMEDIATE TYPEWRITING

Emphasis on speed, accuracy, proofreading, refinement of manual and electric typewriting techniques, nomenclature, machine care, multiple carbon work, business papers, letter styles, manuscript copy. Introduction to spirit and stencil duplication. Prerequisite: BU. 10 or its equivalent.

Five class hours each week.

Credit 2 hours, either semester.

BU. 15B. ADVANCED TYPEWRITING

Mr. Mulkerne

Development of professional skill in the preparation of various types of office materials. Included will be work on the stencil and spirit duplicators, mimeoscope, transcribing machines, and electric typewriters. Color stencil and spirit projects. Production rates established. Prerequisite: BU. 15A or equivalent.

Four class hours each week.

Credit 2 hours, either semester.

BU. 19. ANALYSIS OF DISTRIBUTIVE EDUCATION MATERIALS

Mr. Knouse

Methods, policies, and agencies involved in the distribution of goods; purchasing; storage and warehousing; transportation; prices; costs; analysis of wastes in marketing; social, economic, and legal factors and current practices in marketing.

Credit 2 hours, either semester.

BU. 24. TEACHING DEVICES IN RETAIL MERCHANDISING

Mr. Knouse

Materials used in teaching the basic principles involved in planning for the purchase and sale of goods. Methods of merchandise planning, calculation of mark-up, stock turnover, methods of inventory, stock control and records, the use of statistical reports, and merchandising policies and procedures.

Credit 2 hours, second semester.

BU. 109. BUSINESS CORRESPONDENCE

Mr. Mulkerne

Fundamental principles of effective business letter and report writing, with emphasis given to clearness, conciseness, courtesy, consideration, construction, and character. These principles are first applied to sentences and paragraphs and then to the creative writing of business messages.

Credit 2 hours, either semester

BU. 111. BUSINESS ORGANIZATION AND MANAGEMENT

Mr. Cooper and Mr. Sheehan

The principles and procedures involved in the organization and operation of a small business enterprise. Consideration of the nature and extent of small business, opportunities in business, problems and risks in business operation; financing, organizing, and operating a small business.

Credit 2 hours, either semester.

BU. 113. INSTRUCTIONAL MATERIALS FOR RETAIL STORE SALESMANSHIP

Mr. Knouse

The principles of salesmanship used successfully in the modern retail store. Sources of materials, salesmanship, selecting salespeople, effective selling

techniques, current sources of merchandise information, building customer goodwill, methods of solving selling problems, government regulations, and recent trends.
Credit 3 hours, second semester.

BU. 114. SPEED SHORTHAND

Mr. Mulkerne

Review of theory principles, brief forms, analogical word beginnings and endings; emphasis upon high speed shorthand writing, reading, and transcription. Dictation material includes letters, newspapers and magazine articles, speeches, court testimony, recordings, technical material, and office style dictation. Prerequisite: BU. 8B.
Credit 3 hours, first semester.

BU. 120. INSTRUCTIONAL MATERIALS FOR RETAIL STORE OPERATION

Mr. Knouse

Materials for teaching the major phases of retail store organization. Location of stores: building, layout, and equipment; personnel functions; special services; record keeping and finance; management; opportunities in merchandising and recent trends in retailing.
Credit 3 hours, first semester.

BU. 122. ADVERTISING MATERIALS FOR THE TEACHER OF MERCHANDISING

Mr. Knouse

Evaluation and selection of media, copy writing, the headline, trade-marks and slogans, types of illustrations, layout, research, relationship of advertising and personal selling; analysis and evaluation of current advertising, and retail methods.
Credit 2 hours, second semester.

BU. 125. OFFICE PRACTICE

Laboratory experience in the work of clerks covering payroll, billing, accounts receivable, cost, and filing. Intensive training in the operation of a representative variety of modern business machines and other equipment used in such clerical operations. Prerequisites: BU. 2 and 10 or equivalent.
Credit 3 hours, either semester.

BU. 208. SECRETARIAL PRACTICE

Mr. Mulkerne

A study of the problems encountered by secretaries in the average business office. Procedures for handling the mail, secretarial phases of communication and travel, the preparation of business reports, and the professional use of duplicating and transcribing equipment. Laboratory work provides an opportunity for developing the various secretarial skills in a realistic setting.
Credit 3 hours, first semester.

BU. 210. ACCOUNTING PROBLEMS

Mr. Mossin

Advanced problems in installment sales, consignment, partnership, and corporation accounting. Auditing principles and procedures over-viewed. Prerequisite: BU. 3A.
Credit 3 hours, first semester.

BU. 212. PROBLEMS AND PRINCIPLES OF DISTRIBUTIVE EDUCATION

Mr. Knouse

Distributive education defined and how it operates under the George-Barden Act; types of distributive education programs for evening, part-time,

and cooperative courses; organizing, promoting, and evaluating local programs; distributive education personnel; and sources of training materials.

Credit 2 hours, first semester.

BU. 215. COST ACCOUNTING

Mr. Mossin

Cost accounting theory and practice. Cost systems; job order, process, estimate, standard. Prerequisite: BU. 2.

Credit 3 hours, second semester.

BU. 217. ADVANCED BUSINESS LAW

Mr. Mossin

Training provided in the use of basic legal works employed by the legal profession in New York State, towards the objective that the teacher may improve the authenticity and practicality of materials in business law. Practice provided in the annotation of high school law texts by specific reference to New York statutory and court decision law. Areas of law stressed include Real Property, Mortgages, Landlord and Tenant, Decedent Estates, Torts, and Business Crimes. Prerequisite: BU. 6.

Credit 2 hours, either semester.

BU. 221. ANALYSIS OF MERCHANDISING PROBLEMS

Mr. Knouse

An analysis of the types of merchandising and products from the standpoint of sales presentation, description, construction, uses, values, qualities, selling points, and sales terminology. Students will work in Albany stores on a part-time basis under college supervision. Class meetings twice weekly to discuss merchandise studies and written reports of work experience.

Credit 2 hours, either semester.

EC. 238. INCOME TAX PROCEDURES

Mr. Cooper

Concept of taxable income; laws and regulations in their application to various kinds of taxpayers, including small businesses and individuals; practice on preparation of returns for individuals, farmers, and men in small businesses.

Credit 3 hours, either semester.

BU. 245. PRINCIPLES AND PROBLEMS OF BUSINESS

Mr. Cooper

A study of business principles, procedures, and operations through visitations, case studies, and individual and group investigations of practices commonly found in the business world through the media of field trips supplemented by subject matter content.

Credit 3 hours, first semester.

BU. 250. AUDITING

A study of audit procedures and working papers employed by public and independent accountants for summarizing and analyzing the records and operations of business and social organizations; practical experience in working directly from source materials and documents; the design and operation of book-keeping systems for selected small business, social organizations, and school financial functions.

Credit 3 hours, second semester.

BU. 251. OFFICE MANAGEMENT

Mr. Thorne

Acceptable modern practices in office management; study of the nature,

organization, and functions of the modern office; the managerial aspects of executive control. *Credit 3 hours, first semester.*

BU. 316. ORGANIZATION AND SUPERVISION IN BUSINESS EDUCATION *Mr. Olson*

Study of the techniques involved in meeting the needs of an expanding program of business education and the supervisory aspects of such a program. Principles, practices, and problems involved in the evaluation and construction of courses in business education; general supervisory techniques that may be used in improving instruction. *Credit 2 hours, second semester.*

BU. 318. PRINCIPLES AND PROBLEMS IN BUSINESS EDUCATION

The field of business education surveyed with emphasis on the newer phases of development, appraisal of objectives in terms of business occupational requirements and trends, fundamental issues in business education and their implications for the business teacher. *Credit 2 hours, first semester.*

BU. 319. CURRENT TRENDS IN THE TEACHING OF BUSINESS SUBJECTS *Mr. Cooper*

Critical appraisal of teaching techniques, procedures, and materials of instruction; recognition of present trends and improvements in teaching and purposes underlying the teaching of business subjects; discussion of a variety of methods employed by successful teachers. *Credit 2 hours, first semester.*

BU. 323. SEMINAR IN BUSINESS EDUCATION *Mr. Cooper*

Subjects for research will be determined by the interests and preparation of the students enrolled. Required of graduate students who are candidates for the master's degree with specialization in commerce. May be presented in lieu of a thesis by those who are completing a total of 30 semester hours of approved work in graduate courses. *Credit 3 hours, second semester.*

CHEMISTRY

Professor Derk V. Tieszen, *Chairman*

Professors: Margaret D. Betz, Paul A. D. deMaine.

Associate Professors: Lawrence Daly, Arthur Long, Richard Smith, John J. Sturm.

Assistant Professor: Alfred Finkelstein.

Instructor: Audrey Briggs.

Research Associate: Margaret M. deMaine.

Minor requirement: CH. 18, 103, 106, 116, and PH. 1.

Major requirement (B.S. degree): Courses prescribed for the minor plus CH. 140 and 3 additional hours as advised. A minor consist-

ing of BI. 22, 25, 101, 20 or 106, 119; Earth Science 3 hours as advised; PH. 1 and 18. (Mathematics, including 6 hours of Calculus, is prerequisite to certain of these courses.)

Graduate requirement: CH. 311 and additional hours as advised (see page 39).

NOTE: Students expecting to become candidates for the master's degree in Chemistry should complete 6 hours of Calculus as well as CH. 140.

CH. 17. ELEMENTS OF NUTRITION

Mr. Sturm

Fundamental concepts of nutrition; nutritional needs of the body; the nutritional characteristics of common foods and the relation of this knowledge to health.

Credit 2 hours, either semester.

CH. 18. INORGANIC CHEMISTRY

The Departmental Staff

A systematic discussion of chemical principles according to modern theory, combined with a study of the properties and uses of the elements.

Two lectures, one laboratory period each week. Credit 6 hours, year course. (First and second half of this course offered either semester.)

CH. 21. GENERAL CHEMISTRY

The fundamental principles of chemistry with emphasis on physical theory and quantitative relationships. Principles of equilibrium as applied to aqueous solution chemistry, including the descriptive chemistry of the more common elements. Laboratory work during the second semester is devoted to qualitative analysis.

Two lectures, one recitation, one laboratory period each week.

Credit 8 hours, year course.

CH. 103. QUALITATIVE ANALYSIS

Mr. Daly

Discussions and applications of theories underlying qualitative analysis, laboratory practice in analyzing inorganic solutions and solids. Prerequisite: CH. 18 or equivalent. Restricted to juniors and seniors unless CH. 18 was completed in freshman year.

Two lectures, one laboratory period each week. Credit 3 hours, either semester.

CH. 106. ORGANIC CHEMISTRY

Miss Briggs, Mr. Tieszen

Fundamental principles of organic chemistry. Preparation, nomenclature, and type reactions of the more important classes of carbon compounds. Prerequisite: CH. 18 or equivalent. CH. 103 recommended but not required. Restricted to juniors and seniors unless CH. 18 was completed in freshman year.

Two lectures, one laboratory period each week.

Credit 6 hours, year course.

CH. 116. QUANTITATIVE ANALYSIS

Mr. Daly, Mr. Long

Theory of quantitative analysis based on modern chemical principles. Practical application to typical gravimetric, volumetric, and colorimetric

analysis. Prerequisite: CH. 103. Restricted to juniors and seniors unless CH. 18 was completed in freshman year.

Two lectures, one laboratory period each week. Credit 3 hours, second semester.

CH. 120. ADVANCED INORGANIC CHEMISTRY *Mr. Daly*

A discussion of the chemical bond from the viewpoint of the modern theory, including resonance energy, interatomic distances, prediction of bond angles, ionic character of covalent bonds. Prerequisite: CH. 103, 116.

Credit 3 hours, second semester.

CH. 126. SENIOR RESEARCH IN CHEMISTRY *The Departmental Staff*

Original experimental and theoretical research problems. Restricted to seniors with an average of "B", or higher, in their chemistry courses. Admission by consent of Departmental Chairman.

Laboratory and conference hours to be arranged.

Credit 2 to 6 hours, semester or year course.

CH. 140. PHYSICAL CHEMISTRY *Mr. deMaine*

A general course in physical chemistry. The mathematical description of physical-chemical systems, and their interpretation in terms of thermodynamics and of atomic-molecular models. Prerequisite: CH. 106, 116, PH. 1, and adequate preparation in mathematics.

Credit 6 hours, year course. 2 hours first semester, 4 hours second semester.

CH. 141. EXPERIMENTAL PHYSICAL CHEMISTRY *Mr. deMaine*

Laboratory methods and experiments in physical chemistry, including instrumental analysis. Prerequisite or corequisite: CH. 140.

Credit 3 hours, either semester.

CH. 203. QUALITATIVE ORGANIC ANALYSIS *Mr. Tieszen*

The systematic identification of the various classes of organic compounds. Prerequisite: CH. 106, 116.

One lecture, two laboratory periods each week. Credit 3 hours, second semester.

CH. 206. THEORETICAL ORGANIC CHEMISTRY *Mr. Smith*

A detailed study of electronic mechanisms of organic reactions. Selected topics from resonance theory, stereo-chemistry, and the nature of the covalent bond. Prerequisite: CH. 106.

Three lectures each week.

Credit 3 hours, second semester.

CH. 212. ORGANIC SYNTHESIS *Mr. Smith*

Advanced methods of synthetic organic chemistry with emphasis on recent developments. Laboratory work includes advanced preparations and techniques. Prerequisite: CH. 106.

One lecture, two laboratory periods each week. Credit 3 hours, first semester.

CH. 238. COLLOIDAL CHEMISTRY

Miss Betz

Colloids, inorganic and organic, from a chemical viewpoint. Prerequisite or corequisite: CH. 140 or 246. *Credit 3 hours, second semester.*

CH. 242. BIOCHEMISTRY

Mr. Tieszen

The chemistry and function of the cell and cellular constituents, their mode of synthesis and degradation by the cell, the characterization and role of particular enzymes and coenzymes in these reactions, and the mechanism of oxidation and energy production.

Two lectures and one laboratory period each week. Credit 3 hours, first semester.

CH. 243. NUCLEAR AND RADIOCHEMISTRY

Fundamental properties of radioactive substances and their radiations; their preparation, purification, characterization and identification; their interactions with other matter and applications in other branches of chemistry. Prerequisite: CH. 140. *Credit 3 hours, second semester.*

CH. 260. CHEMICAL THERMODYNAMICS

Mr. deMaine

Topics discussed include vapor pressure, solution, and solubility; calculations of thermodynamic functions from spectra; free energy; modern theories of electrolytic dissociation; and the various features associated with the measurement and control of chemical equilibria. Closed to students with credit in PH. 218. Prerequisite: CH. 140. *Credit 2 hours, second semester.*

CH. 261. CHEMICAL KINETICS AND SPECTROSCOPY

Mr. Daly, Mr. deMaine

A study of the velocity and mechanism of chemical reactions in both homogeneous and heterogeneous systems; and a study of techniques, interpretation, and applications of ultraviolet, infrared and Raman spectra. Prerequisite: CH. 140. *Credit 3 hours, first semester*

CH. 302. ADVANCED PHYSICAL CHEMISTRY LABORATORY

Physical chemistry methods and experiments for the advanced student. Prerequisite: CH. 140 or 246. *Two laboratory periods each week.*

Credit 2 hours, either semester, or 4 hours, year course.

CH. 311. SEMINAR IN CHEMISTRY

The Departmental Staff

Reports on selected research topics.

Credit 2 hours, year course.

CH. 312. CHEMICAL RESEARCH

The Departmental Staff

Original experimental and theoretical research problems. Admission by consent of Departmental Chairman.

Laboratory and conference hours to be arranged.

Credit 3 to 6 hours, semester or year course.

COMPARATIVE LITERATURE

Professor Edith O. Wallace, *Chairman*

Professors: J. Wesley Childers, Vivian C. Hopkins, Shields McIlwaine,
Townsend Rich, Edward P. Shaw.

Associate Professor: Carl J. Odenkirchen.

Assistant Professor: Samuel V. O. Prichard, Jr.

FR. 10.* MASTERPIECES OF FRENCH LITERATURE IN ENGLISH TRANSLATION *Mr. Shaw*

Major literary and intellectual movements, as well as individual authors
and works. *Credit 3 hours, second semester*

LA. 10.* TYPES OF LATIN LITERATURE *Miss Wallace*

Through a study of selected Latin authors, the epic, the lyric, the pastoral,
comedy, and satire, as types of poetry, the essay, the dialogue, history, and
oratory, as types of prose, are considered as they represent the Roman contri-
bution to the Western tradition. The reading is done in English translation.
Credit 3 hours, second semester.

SP. 10.* HISPANIC LITERATURE IN ENGLISH TRANSLATION *Mr. Childers*

Main currents of Spanish literary movements, and intellectual thought as
revealed in selected literary works from the major authors of Spain and Spanish
America. Not offered 1959-60. *Credit 3 hours, first semester.*

HU. 123.* HUMANITIES *Co-ordinator, Mr. Odenkirchen*

An interdepartmental course in works of literary merit from ancient times
to the twentieth century. The aim of the course is to acquaint the student
with some of the literary expressions of man's spiritual, social, and aesthetic
life. The course, which consists of lectures and discussions, is offered jointly
by the Departments of Ancient Languages and Literature, English, Modern
Foreign Languages, Philosophy, and Social Studies. The work centers around
a theme or a period. Students may elect one semester or two semesters in
which themes or periods studied are different.

Credit 3 hours, either semester, or 6 hours, two semesters.

CL. 135.* INTRODUCTION TO THE PRINCIPLES AND TRADITIONS OF LITERARY CRITICISM: FROM THE ANCIENT WORLD THROUGH THE EIGHTEENTH CENTURY *Mr. Odenkirchen*

Important theories and their application in major works of literature from
Plato and Aristotle through Lessing and Diderot. *Credit 3 hours, first semester.*

EN. 136.* INTRODUCTION TO THE PRINCIPLES AND TRADITIONS
OF LITERARY CRITICISM: THE NINETEENTH AND
TWENTIETH CENTURIES *Miss Hopkins*

A study of modern trends in literary criticism to give a fuller understanding of literature. With consent of the instructor, majors and minors in English will be permitted to substitute this course for EN. 110.

Credit 2 hours, second semester.

EN. 157.* THE BIBLE: EARLY PROSE NARRATIVES *Mr. Rich*

A close study of the early books of the Old Testament in the King James translation as history, literature, and folk art. Evolution of the material and the text. Consideration of parallel developments in Greek and other literatures, with special attention to English literature. *Credit 2 hours, second semester.*

GK. 203.* TYPES OF GREEK LITERATURE *Miss Wallace*

Through a study of selected Greek authors, the epic, tragedy, comedy, lyric poetry, history, oratory, and philosophy are considered both in themselves, and in so far as they establish the types which the literature of the Western World has followed. The reading will be done in translation.

Credit 3 hours, either semester, or 6 hours, year course.

C.L. 204.* DANTE'S DIVINE COMEDY *Mr. Odenkirchen*

The summit and the summing up of the literature and the philosophy of an age. The reading is normally done in English translation; but arrangements can be made by qualified students to read all or part of the work in the original.

Credit 3 hours, second semester.

SH. 269.* FORMS OF PUBLIC ADDRESS *Mr. Prichard*

A study of the rhetorical theories of Aristotle, Cicero, Quintillian, and Augustine; the medieval writers, Alcuin, and Fenelon; and the major English theorists, Campbell, Blair and Whately. Consideration given to such modern writers as Woolbert, Baker, Winans, Phelps and O'Neil.

Credit 2 hours, first semester.

EN. 272.* INFLUENTIAL BOOKS *Mr. McIlwaine*

European prose works in translation, selected for variety of literary types, periods, and nationalities and for especial significance for English and American literature. Authors such as Boccaccio, Rousseau, Ibsen, Strindberg, Chekov, and Kafka; a selection of poems by a modern English or American poet such as Yeats, Eliot, or MacLeish.

Credit 2 hours, second semester.

EARTH SCIENCES

Associate Professors: Peter C. Benedict, Marvin J. Pryor, John J. Sturm.

ES. 4. DESCRIPTIVE ASTRONOMY

The periodic changes in the planets, earth's times and seasons, the moon's part in eclipses and tides, seasonal change in "fixed" stars. Attention is given to demonstrations helpful in instruction and understanding.

Credit 3 hours, first semester.

ES. 5. PHYSICAL GEOLOGY

An introduction to the study of rock and land structures and the processes involved in their formation. Prerequisite: high school chemistry and physics or equivalent.

Credit 3 hours, first semester.

ES. 6. HISTORICAL GEOLOGY

The history of the earth as contained in the rocks and their contained fossils. Prerequisite: high school biology or equivalent.

Credit 3 hours, second semester.

ES. 11. ELEMENTS OF MINERALOGY

Crystallography, physical properties, origin, and economic and geologic importance of the common minerals. Laboratory work emphasizes recognition of minerals in hand specimens. Prerequisite: ES. 5.

Two class periods, one laboratory period each week.

Credit 3 hours.

ES. 204. ASTRONOMY

Mr. Pryor

Study observations and classroom demonstrations relative to the motions of the earth, moon, sun, and planets in the sphere of "fixed" stars. Topics include times, seasons, laws of satellite motion, principles of optics, radiation, stellar motion, and characteristics of stars. Prerequisite: plane trigonometry. Closed to students with credit in ES. 4 and PH. 104. *Credit 4 hours, year course.*

ECONOMICS

(See Social Studies)

EDUCATION

Professor Edwin P. Adkins, *Chairman* (Leave of Absence)

Professor John R. Tibbetts, *Acting*

Professors: James E. Cochrane, Theodore H. Fossieck, Kenneth Fraure, Robert W. Frederick, Randolph S. Gardner, Margaret L. Hayes, Floyd E. Henrickon, James Allan Hicks, Mauritz Johnson, Ralph B. Kenney, Joseph Leese, Robert L. Lorette, Carleton A. Moose, J. Roy Newton, C. Currien Smith, Gerald W. Snyder, Wallace W. Taylor, Ruth E. Wasley.

Associate Professors: Anna K. Barsam, Morris I. Berger, Harry L. Clawson, Mary E. Conklin, Donald T. Donley, Anita E. Dunn, Millicent Haines, Charles J. Haughey, Mabel E. Jackman, Jack B. Krail, Paul A. Lowder, Lydia K. Murray, Harlan W. Raymond, Clinton J. Roberts, Edward H. Sargent, Jr., Cathryn H. Sivers, Hugh M. Smith, Donald R. Van Cleve (leave of absence), Roy York, Jr.

Assistant Professors: Theodore J. Bayer, Anna Christodulu, Glenn R. DeLong, Edward R. Fagan, Daniel Ganeles, Elizabeth M. Glass, Harry J. Grogan, Harold R. Howes, Cecil R. Johnson, William C. Kraus, Michael Lamanna, Susan Losee, Naomi L. Mager, Esther Mayakis, Joanna Milham, Gustave E. Mueller, Harriet S. Norton, Royann Salm, Arthur E. Soderlind, Brita D. Walker, George Whitney, Thomas C. Winn.

The Undergraduate Education Sequence

The following Education courses are required of all candidates for the bachelor's degree, except those majoring in Library Science: ED. 20, 21, 22, 23, 114, 114ST, and 118. This sequence of Education courses makes up a continuous program of integrated experiences designed to develop the professional competence of students who are preparing to teach. Throughout, emphasis is placed on experience with teen-age pupils and on educational problems of current significance.

Candidates for the bachelor's degree with a major in Library Science should see Courses of Instruction in Library Science to determine their professional education requirements, if any.

ED. 20. SOCIAL FOUNDATIONS OF EDUCATION

The Departmental Staff

Designed to help each student develop a philosophy of education based on an understanding of contemporary trends in American education. Deals with current status of formal education in the United States within an historical context; realities of the American social system; the school's place in American community life.

Credit 3 hours, either semester.

ED. 21. PSYCHOLOGICAL FOUNDATIONS OF EDUCATION

The Departmental Staff

The basic concepts of human behavior and development as related to education. Special emphasis is given to physical, social, emotional, and mental development and the learning process, including a consideration of reasoning,

remembering, problem solving, and transfer of training. One two-hour period each week is spent in laboratory session to develop insight into human behavior by observation and preparation of reports.

Two class hours each week. Two hours laboratory each week.

Credit 3 hours, either semester.

ED. 22. THE PROGRAM OF THE SECONDARY SCHOOL

The Departmental Staff

The origins and present status of the total secondary school program; the process of curriculum change and the student's role in it; critical analysis of traditional practices and recent trends relating to the curriculum. Each student studies the typical curriculum patterns and course materials in his major and minor fields of teaching and gains experience in constructing teaching units. Open only to students during the professional semester of the senior year.

Credit 3 hours, either semester.

ED. 23. EVALUATION AND GUIDANCE

The Departmental Staff

The meaning of guidance, the teacher's role in guidance, and the use of various fields of study and classroom methods for guidance purposes; evaluation as an aid to guidance and instruction; the secondary school evaluation program; types of evaluation; selection and construction of tests and the interpretation and use of test results; reporting to parents; policies and practices regarding promotion, classification and grouping; issues and problems in guidance and evaluation. Open only to students during the professional semester of the senior year.

Credit 2 hours, either semester.

ED. 114. METHODS

The Departmental Staff

The problems of classroom teaching with specific application to a selected subject. Emphasis on active laboratory participation in all phases of instruction in grades seven through twelve. General and specific objectives: selection and organization of content; physical aspects and management of the classroom; types of classroom procedure; selection and use of teaching aids; construction of teaching units; orientation to the policies and practices current in the modern secondary school.

Two class hours each week. Two hours laboratory each week.

All Majors. Credit 3 hours, junior year.

Either Semester

ED. 114B. Business.

ED. 114E. English.

ED. 114GS. The Sciences.

ED. 114M. Mathematics.

ED. 114ML. Modern Languages.

ED. 114SS. Social Studies.

ED. 114BX. Business (Bookkeeping, Business Arithmetic, Office Machines, Business Management, and Stenography). A half-semester course required of all business majors, to be scheduled in the semester of student teaching. Prerequisite: ED. 114B.

First Semester

ED. 114L. Latin.

ED. 114ST. STUDENT TEACHING *The Departmental Staff*

Involves the teaching of at least two classes in the student's area of preparation in the Milne School or in an off-campus secondary school. The student spends the entire day for a period of eight weeks in the school to which he is assigned and participates in all of the activities which normally constitute a teacher's day. The Student-Teaching Seminar (ED. 118) must be taken concurrently. These two courses comprise one-half of the Professional Semester. Prerequisites: ED. 20, 21, and 114 (special methods); permission of the Director of Education. Required for graduation.

Credit 6 hours, either semester.

ED. 118. STUDENT-TEACHING SEMINAR *The Departmental Staff*

Taken concurrently with Student Teaching (ED. 114ST), the Seminar is concerned primarily with principles, methods, materials, and problems met in student teaching. *Class meetings arranged.*

Credit 2 hours.

ED. 131. LIBRARY RESOURCES FOR TEACHING *Miss Jackman*

For teachers in training to acquaint them with high school library materials in their special fields. Attention is given to reference books and other library resources with emphasis on their place in the course of study and on their use by the teacher and by the high school pupils. Not open to students who complete any courses in the Department of Librarianship. Enrollment limited to 20 students and approval of instructor.

Credit 2 hours, either semester.

GRADUATE PROGRAM IN EDUCATION

A candidate for the master's degree specializing in Education may elect one of the following programs: Advanced Classroom Teaching, Basic Classroom Teaching, Developmental Reading, General Professional, Guidance, or School Administration. The program selected should be consistent with the student's preparation and interests and directed to his professional objectives, including certification requirements. To qualify for a master's degree the student's entire program must have the adviser's formal approval prior to admission to candidacy for an advanced degree. (See pages 41-44).

ADVANCED CLASSROOM TEACHING

1. Specialized courses required:
 - a. Advanced professional: ED. 300, 301A, 353.
 - b. Two courses centering about a major responsibility or interest of secondary-school teachers as, for example,
 - (1) the teaching process: ED. 214M, 275, 278, 279, 293.
 - (2) the guidance of pupils: ED. 203, 209, 218.
 - (3) the development and administration of curricular and other school programs: ED. 222, 305, 307.
 - (4) the junior high school program: ED. 225.
 - (5) secondary school reading: ED. 260, 261.
 - c. Related seminar, field project, or thesis.
2. Courses in principal teaching field: a minimum of two courses as advised.
3. Remaining courses as advised in related and supporting fields to bring the total graduate program to a minimum of 30 semester hours.

BASIC CLASSROOM TEACHING (Regular Session)

1. Specialized courses required (18 semester hours): ED. 318, 319, 320, 214ST.
2. Elective courses in Education as advised (4-6 semester hours).
3. Courses in the principal subject or teaching field as required (6-8 semester hours).
4. ED. 114 (3 semester hours). Non-graduate credit course in methods for teaching the principal subject or field.

BASIC CLASSROOM TEACHING

(Summer and Extension Sessions)

1. Specialized courses required (21 semester hours): ED. 209 (or 209A), 216, 229, 251, 300, 301A, 350.
2. Courses in the principal subject or teaching fields as required (6-9 semester hours).
3. Balance of the program as advised (0-3 semester hours).
4. ED. 114 (3 semester hours). Non-graduate credit course in methods for teaching the principal subject or field.

5. ED. 114ST (6 semester hours). Non-graduate credit course in student teaching in the principal subject or field. Under certain conditions and with the consent of the Committee on Graduate Study this course may be waived for students with appropriate teaching experience.

The program consists of a minimum of 33 semester hours (3 semester hours of undergraduate credit, 30 semester hours of graduate credit). It can be completed in an academic year of full-time study or its equivalent. The program cannot be completed solely, in many cases, through summer study or study in the college's late afternoon, evening, and Saturday morning program. In addition to any part-time study planned, ordinarily at least one semester of full-time study in the regular session is essential.

DEVELOPMENTAL READING IN THE SECONDARY SCHOOL

1. Specialized courses required (16-18 semester hours) : ED. 209, 260, 261, either 372 or 314R, SH. 260 (first half), and one of the following: ED. 203, 229, 273, 353, or PY. 338.
2. Advanced professional courses required:
ED. 301A, and one other course as advised.
3. Remaining courses as advised to bring the total graduate program to a minimum of 30 semester hours.

GENERAL PROFESSIONAL

1. Specialized courses required (18 semester hours) :
ED. 350 or thesis and courses in Education and Psychology as approved.
2. Advanced professional courses required:
ED. 301A, and one other course as advised.
3. Remaining courses in the principal teaching field, in related and supporting fields, or in the professional field to bring the total graduate program to a minimum of 30 semester hours.

GUIDANCE

1. Specialized courses required (18 semester hours) :
ED. 203 or 229, 209 (209A and 209B), 218, 325A, 326A, 339, and one or more other courses as advised.

2. Advanced professional courses required:
ED. 301A, and one other course as advised.
3. Remaining courses in the principal teaching field, in related and supporting fields, or in the professional field to bring the total graduate program to a minimum of 30 semester hours.

The required specialized courses in this program provide the preparation needed for a provisional certificate in guidance. However, students taking either ED. 203 or 229 for 2 semester hours must complete both courses to certify. A permanent certificate requires 14 additional hours, 8 of which are drawn from ED. 314G (regular session), 325B, 326B, 334, and 343. The remaining six hours are taken from courses ED. 260, 261, 273, 302; EC. 207, 211, 232; SO. 208, 209, 212; PY. 209, 238, 240, and 241 as advised. When appropriate, these courses may be taken as a part of the master's degree program.

SCHOOL ADMINISTRATION

1. Specialized courses required (18 semester hours):
ED. 305, 306, 309A, 330, 350 or thesis, and courses in Education as approved.
2. Advanced professional courses required:
ED. 301A, and one other course as advised.
3. Remaining courses in the principal teaching field, in related and supporting fields or in the professional field to bring the total graduate program to a minimum of 30 semester hours. The following professional courses are considered especially appropriate electives for students of school administration: ED. 203, 215, 218, 285, 293, 307, 309B, 314SA, 327, and 342.

SUPERVISION

An advanced student who wishes to qualify for a provisional certificate in supervision should complete ED. 330, 335, and at least one additional course selected from ED. 215, 218, 300, 307, 342, 343.

ED. 203. MENTAL HYGIENE

Mr. Hicks

Intellectual, emotional, and physical characteristics that influence behavior patterns; methods of studying behavior; the modifiability of attitude, conflict, and emotion; constructive measures for aiding pupils to adjust them-

selves to life situations. Case studies and completion of special assignments are required. *Credit 3 hours, either semester.*

ED. 209. EDUCATIONAL AND MENTAL TESTING *Miss Hayes*

Theory and concepts of measurement; examination and evaluation of various types of tests and other methods of appraisal; administering, scoring, interpretation, and use of tests; elementary statistics as applied to educational measurements; and practice in testing. *Credit 3 hours, either semester.*

ED. 213A. AUDIO-VISUAL MATERIALS OF INSTRUCTION

Mr. Henrikson

Theory and practice in the use of objective teaching materials, including excursions, slides, filmstrips, prints, objects, specimens, models, motion pictures, and the classroom use of radio and recordings. Students electing this course should, if possible, elect course 213B during second semester.

Credit 3 hours, first semester.

ED. 213B. LABORATORY IN AUDIO-VISUAL MATERIALS OF INSTRUCTION

Mr. Henrikson

Practice in the preparation of teaching materials, including disc recordings, motion pictures made in the school, flat pictures, handmade glass slides, teacher-made slides and filmstrips, and operation of the equipment used in this work. Prerequisite: ED. 213A. *Credit 3 hours, second semester.*

ED. 214M. FIELD WORK IN MATHEMATICS *Mr. Gardner, Mr. Johnson*

The use of certain instruments in the teaching of secondary-school mathematics. Devices such as the slide rule, sextant, angle mirror, transit, level, plane table and alidade, navigational computers and others are considered in terms of their theoretical bases, their operation, their application in teaching secondary-school mathematics and the possibilities of constructing home-made variations of these instruments. Prerequisite for graduate credit: ED. 114M and 15 semester hours of college mathematics. *Credit 3 semester hours.*

ED. 214SH. THE TEACHING OF SPEECH

Mr. Boomsliter, Miss Futterer, Mr. Pettit

Values and objectives of speech education; modern trends in instruction; analysis and construction of courses of study in speech or units to be integrated into the English program; evaluation of textbooks and other teaching materials; instructional procedures in the areas of public speaking, oral reading, and dramatics, and remedial speech. *Credit 4 hours, second semester.*

ED. 214ST. STUDENT TEACHING

The Departmental Staff

Each student teacher is assigned to teaching on either the junior or the senior high school level under the direction of members of the supervisory staff. He also is given the experience of participating in extra-class and institutional activities. *Credit 4 hours, either semester of graduate year.*

ED. 215. EXTRA-CLASS ACTIVITIES

Mr. Frederick

Types of activities found in the secondary schools; problems of organization, administration, financing, and evaluating of activities; laboratory work in Milne High School may be required. *Credit 3 hours, second semester.*

ED. 216. PROBLEMS AND PRINCIPLES OF EDUCATION IN SECONDARY SCHOOLS

History of the public school, emergence of goals and structure, relation of schools to social purpose; the role, responsibility, opportunity of the teacher; organization and management of the curriculum and consideration of factors in its development; fundamentals of effective instructional activity. Not open to students with credit in ED. 20 and 22, or equivalents. Offered in extension and summer session only. *Credit 3 hours*

ED. 218. TEACHER AND PUPIL PERSONNEL SERVICES

Responsibilities of the classroom teacher in the pupil personnel program of the modern school; the teacher's role in health, psychological and guidance services; emphasis on the teacher's participation in individual and group guidance activities aimed at meeting pupils' educational, vocational and personal-social needs. *Credit 3 hours, either semester*

ED. 221. DIRECTING PUPIL STUDY

Mr. Frederick

Psychological and philosophical bases for a program of directed pupil study; study as a part of methods; administration of a directed study program and the nature of a how-to-study course. *Credit 2 hours, first semester.*

ED. 222. SCHOOL ORGANIZATION FOR THE CLASSROOM TEACHER

Mr. Frasure

Principles and problems of school organization and function. Processes and methods of local leadership and participation by the classroom teacher, including an understanding of human relations. The relationship of the classroom teacher to professional personnel and others. *Credit 3 hours*

ED. 225. EDUCATIONAL PROBLEMS AT THE EARLY SECONDARY LEVEL (JUNIOR HIGH SCHOOL)

Mr. Johnson

Consideration of the task of the school at the early secondary level and of the teacher's role in fulfilling it; appraisal of established and experimental practices relative to teaching in the various subject areas, student activities, and government, homeroom procedures, guidance, evaluation, and other aspects of the total school program. *Credit 3 hours, second semester.*

ED. 229. PSYCHOLOGY OF ADOLESCENTS

Social, emotional, physical, and intellectual development of youth between twelve and eighteen years of age; interpretation of phases of adolescents' development as related to learning and adjustment; attitudes, interests, and problems of the home; and educational procedures for working with adolescents. Prerequisite: course in Educational Psychology or equivalent.

Credit 3 hours, either semester.

ED. 251. EDUCATIONAL PSYCHOLOGY

Nature of organism, maturation, behavioral change; principles and problems of learning, nature and control of learning; study of transfer and evaluation; basic researches in psychology. Prerequisite: course in general psychology or equivalent. Not open to students with credit in ED. 21. Offered in extension and summer session only. *Credit 3 hours.*

ED. 260. PRINCIPLES OF READING IN THE SECONDARY SCHOOL

Mr. Newton

Philosophy of developmental reading; types of reading encountered in high school subjects and with problem students; present reading practices and materials; factors relating to reading improvement; use of test materials and standardized tests. A basic course for teachers specializing in reading and for English and social studies teachers. Provision is made for administrators and guidance personnel. *Credit 2 hours, either semester.*

ED. 261. REMEDIAL READING IN THE SECONDARY SCHOOL

Mr. Newton and Clinic Staff

Present practices in both group and individual remedial techniques; informal reading analysis; use of clinical equipment; laboratory experience with retarded readers.

Two class hours each week. Two hours laboratory each week.

Credit 3 hours, either semester.

ED. 273. MEASUREMENT OF INTELLIGENCE: INDIVIDUAL TECHNIQUES

Clinic Staff

The nature of intelligence as it is related to educational problems. The following instruments frequently used in measuring aspects of intelligence are taken up and problems involved in administration and interpretation discussed: Revised Stanford-Binet, Wechsler-Bellevue Intelligence Scale (for Adults and Children). Should be taken concurrently with ED. 209.

Two class hours each week. Two hours laboratory each week. Credit 3 hours.

ED. 275. THE LANGUAGE ARTS CURRICULUM IN THE SECONDARY SCHOOL

Critical appraisal of significant national and regional statements of the English curriculum; evaluation of the varied recommended approaches to the teaching of grammar, written composition, speech, and literature; examination of research studies designed to test the effectiveness of various methods of teaching the language arts; study and preparation of resource units for the teaching of English. Prerequisites: ED. 114E and 114ST, or equivalent. Offered in extension and summer session only. *Credit 3 hours.*

ED. 278. ADVANCED MATERIALS AND METHODS IN SCIENCE TEACHING

This course is designed to increase the breadth of preparation in the numerous fields in secondary-school science; special attention to individual

laboratory procedures, demonstration techniques, research projects for gifted children, and curriculum problems arising out of New York State's dual-track science program. Prerequisites: ED. 114S and 114ST, or equivalent. Offered in extension and summer session only. *Credit 3 hours.*

ED. 279. ADVANCED MATERIALS AND METHODS IN TEACHING SOCIAL STUDIES

Techniques for developing desirable social and civic attitudes, ideals, and skills; study of selected city and state curricula, textbooks, standardized tests and materials with special emphasis on their use in the classroom. Prerequisites: ED. 114SS and 114ST, or equivalent. Offered in extension and summer session only. *Credit 3 hours.*

ED. 284. FOUNDATIONS OF ADULT EDUCATION

Designed for full-time or part-time teachers and directors of adult education and others working with various agencies serving adults. It includes a survey of the history, philosophy, and literature of adult education and a view of local, state and national programs in adult education. *Credit 2 hours.*

ED. 285. ADMINISTRATIVE ORGANIZATION, PROBLEMS, AND PROCEDURES IN ADULT EDUCATION

Designed for Directors of Adult Education, school administrators, and teachers or prospective teachers and supervisors of adult education. Concerned with principles of administration of adult education; organization of formal and informal programs of adult education; adult education as a community partnership; the relation of the school to other agencies engaged in adult education. *Credit 2 hours.*

ED. 286. CURRENT TRENDS IN THE TEACHING OF ADULTS

Designed for directors of adult education, school administrators, teachers, and supervisors of adult education. Critical appraisal of teaching techniques, procedures, and materials of instruction; methods of stimulating new interests and purposes; recognition of trends and improvements in ways of teaching adults. *Credit 2 hours.*

ED. 293. GROUP PROCESS FOR THE CLASSROOM TEACHER

Mr. Sargent

Study and analysis of group process techniques for classrooms, professional meetings, and public groups; methods of stimulating interest and participation in the classroom; trends and changes in methods of working with groups. *Credit 3 hours.*

ED. 300. EDUCATIONAL RESEARCH PROBLEMS

Principles and procedures of educational research as applied to present day school problems; interpretation of educational statistics; organization and presentation of educational research problems. *Credit 3 hours, either semester.*

ED. 301A. PHILOSOPHY OF EDUCATION

An introduction to philosophy of education; study of basic areas essential to philosophy and philosophy of education: metaphysics, epistemology, axiology, logic; study of culture and its place in philosophy of education; examination of basic philosophies of education: progressivism, essentialism, perennialism.

Credit 3 hours, either semester.

ED. 301B. ADVANCED PHILOSOPHY OF EDUCATION

A systematic, intensive analysis of major philosophies and their impact upon education: realism, idealism, experimentalism; analysis of major philosophies and their significance to education through the writings of important philosophers. Prerequisite: ED. 301A.

Credit 3 hours.

ED. 302. INTERPRETATION AND USE OF STATISTICS IN EDUCATION

Mr. Smith

Critical examination of statistical concepts and practices currently used and applied in the public school; evaluation in terms of the pupil, the teacher, the parent, and the school administrator.

Credit 3 hours.

ED. 303. COMPARATIVE EDUCATION

Mr. Taylor

Analysis and comparison of various systems of national education on the basis of philosophy, organization, administration, historical development, and current practice in Western Europe, Soviet Union, United States, and the British Commonwealth. (Not open to students who have taken ED. 301B prior to July 1959.)

Credit 3 hours.

ED. 305. PUBLIC SCHOOL ADMINISTRATION

Development of basic administrative principles and criteria, placing responsibility for education, types and organization of local school units, division of responsibilities between lay and professional groups, process and methods of local leadership, division of responsibilities among the different units, state leadership and control, the intermediate unit, federal participation. Planned for students working for a secondary-school principal's or a superintendent's certificate. Offered in extension and summer session only.

Credit 3 hours.

ED. 306. THE SECONDARY SCHOOL PRINCIPALSHIP

Working with the board of education, selection and assignment of teachers, curriculum and daily schedule, office routine, internal organization, special services, semi-public functions, relations with the State Department of Education, research and surveys, the local community. Planned for students working for a secondary school principal's or a superintendent's certificate. Offered in extension and summer session only.

Credit 3 hours.

ED. 307. FUNDAMENTAL PROBLEMS IN CURRICULUM DEVELOPMENT

Mr. Leese

Limitations and lacks in present curricula; desirable programs of education for youth; basic psychological considerations underlying modern curriculum

development; description and appraisal of current innovation, experimentation, and techniques designed to improve the curriculum through teaching supervision and administration; problems of scope, sequence, content, and method.

Credit 3 hours.

ED. 308. THE CORE COURSE AND OTHER GENERAL EDUCATION PLANS *Mr. Leese*

An intensive study of organization, methods and resources of general education programs. The course is organized to demonstrate core procedure, with students identifying, defining, solving problems; testing ways of building up and using needs; deciding on subject matter; evaluating and reporting growth. Prerequisite or parallel: ED. 20, 21, 307 or equivalent. Offered in extension and summer session only.

Credit 3 hours.

ED. 309A. FINANCING PUBLIC EDUCATION IN NEW YORK STATE *Mr. Lorette*

Primarily for those who are planning to become principals or superintendents or who are now engaged in such work. Theory of state and federal aid, sources of revenue, principles of equalization and efficiency, apportionment of state funds to local unit, legal aspects of budgeting and apportionment, school costs. Offered in extension and summer session only.

Credit 3 hours.

ED. 309B. BUSINESS MANAGEMENT IN PUBLIC SCHOOLS *Mr. Lorette*

Duties and procedures of school district business officials, tax collection machinery; safeguarding school funds; financial independence of school boards; the business functions and procedures of the board of education; unit versus dual control of school fiscal policies; insurance and fire prevention; maintenance and depreciation; the inventory; indebtedness and the financing of capital outlay; purchasing, payroll and stockroom procedures; the fiscal aspects of personnel management, financial economics. Offered in extension and summer session only.

Credit 3 hours.

ED. 314G. SUPERVISED FIELD WORK AND PRACTICE IN GUIDANCE IN PUBLIC SCHOOLS *The Departmental Staff*

Open upon invitation by the faculty of the education department to a limited number of graduate students who are working for permanent certification for guidance service. The student is assigned to work in a public school under the direction of a member of the college staff and the supervision of a certified counselor in the public school.

Credit 3 to 6 hours.

ED. 314R. SUPERVISED FIELD WORK AND PRACTICE IN READING IN PUBLIC SCHOOLS *Mr. Newton*

Open to those graduate students who have been admitted to the sequence in reading. The student is assigned to work under the direction of the college staff and the supervision of a reading teacher in a public school.

Credit 3 to 6 hours, either semester.

ED. 314SA. SUPERVISED FIELD WORK AND PRACTICE IN SCHOOL ADMINISTRATION IN PUBLIC SCHOOLS

The Departmental Staff

Open to those graduate students who have been admitted to the sequence in public school administration. The student is assigned to work under the direction of a member of the college staff and under the supervision of a school administrator in a public school.

Credit 3 to 6 hours.

ED. 318. PHILOSOPHICAL FOUNDATIONS OF EDUCATION

Philosophical, sociological, and historical backgrounds of education; philosophical approach to current issues and national policies in education; the function of the school and the teacher in society.

Credit 5 hours, either semester.

ED. 319. PSYCHOLOGICAL FOUNDATIONS OF TEACHING

Nature of the human organism, maturation, behavioral change; social, emotional, physical, and intellectual development of adolescents; nature and control of learning; principles and practices in evaluation and guidance.

Credit 5 hours, either semester.

ED. 320. SEMINAR IN TEACHING

Problems of the classroom teacher and their relation to concepts drawn from philosophy and psychology; observation of teaching, and relationship of practice to principles of learning and methods for teaching; consideration of both areas in terms of the purpose, organization, and structure of public education.

The Seminar is taken concurrently with Philosophical and Psychological Foundations in the first semester and with student teaching in the second semester of the student's program.

Credit 4 hours, year course.

ED. 325A. TECHNIQUES OF COUNSELING

Mr. Kenney

Analysis of the individual by means of observation, rating devices, personal documents, and testing; interpretation of the cumulative record and of the case study; the interview and theories of counseling; and applications of counseling techniques to solution of pupils' personal, educational, vocational, economic, and health problems. Prerequisite: ED. 203 or 229, 209, and 218. Restricted to students specializing in guidance. Offered in extension and summer session only.

Credit 3 hours.

ED. 325B. TECHNIQUES OF COUNSELING (ADVANCED)

The presentation and interpretation of field cases forms the basis for this course. Counselors' procedures in the preparation and conduct of counseling interviews, utilization of laboratory material for dealing with the various problems of students, dramatization of typical interviews, demonstration of methods of recording data, and cases involving assistance from community agencies. Prerequisites: completion of course requirements for provisional certification for guidance service (page 87) and one year of teaching. Offered in extension and summer session only.

Credit 2 hours.

ED. 326A. SURVEY AND USE OF EDUCATIONAL AND OCCUPATIONAL INFORMATION

Mr. Tibbets

The nature, source, and organization of occupational information and its use in the light of current understanding of how individuals make an occupational choice. Prerequisites: ED. 203 or 229, 209, and 218. Restricted to students specializing in guidance. Offered in extension and summer session only.

Credit 3 hours.

ED. 326B. SURVEY AND USE OF EDUCATIONAL AND OCCUPATIONAL INFORMATION (ADVANCED)

Original studies of census and of the state and local labor market; job analyses, studies of a group of related occupations or preparation of a series of occupational monographs. Prerequisites: completion of course requirements for provisional certification for guidance service (page 87) and one year of teaching.

Credit 2 hours.

ED. 327. EDUCATIONAL PUBLIC RELATIONS

Principles of educational informational service and their application; constructive method of continuous community education; sociological basis of public relations; analysis of current educational reports and publications; practice in the production of public relations materials. This course is intended for graduate students who are working for a principal's certificate. Prerequisite: ED. 342. Offered in extension and summer session only.

Credit 2 hours.

ED. 330. PROBLEMS IN SECONDARY SCHOOL SUPERVISION

Mr. Frederick

Relation of supervisor to teachers and principal; methods of observing and supervising teaching; evaluation of teachers' procedures; results of supervision; coordination of administration and instruction to promote efficiency. Planned for students working for a secondary school principal's or superintendent's certificate. Required for certification in supervision. Offered in extension and summer session only.

Credit 2 hours.

ED. 334. PSYCHOLOGICAL TESTS APPLIED TO GUIDANCE

Contributions and limitations of objective measurements and their influence in guidance; appraisal of present status of aptitude and performance tests; influence of personality in vocational success; relation to the counselor, to the research department, to the psychiatrist, and to the psychologist. Prerequisites: completion of course requirements for provisional certification for guidance service (page 87) and one year of teaching. Offered in extension and summer session only.

Credit 2 hours.

ED. 335. SUPERVISION IN THE ACADEMIC FIELDS

The role of the academic subject supervisor with special emphasis on the planning of the curriculum, and improvement of teaching. Prerequisite: completion of an undergraduate major in the particular academic field, plus a minimum of two years contractual teaching experience in that subject area.

- ED. 335E. English
- ED. 335GS. Sciences
- ED. 335M. Mathematics
- ED. 335ML. Modern Languages
- ED. 335SS. Social Studies

Offered in extension and summer session only.

Credit 2 hours.

ED. 339. SEMINAR IN GUIDANCE PRACTICES *The Departmental Staff*

Individual and group projects which require the application of guidance principles; projects to be done in field situations where possible, then analyzed. Required of graduate students who are candidates for the master's degree with specialization in guidance service. Prerequisite: 16 hours of graduate credit including ED. 203 or 229, 209, and 218.

Credit 2 hours.

ED. 342. PERSONNEL ADMINISTRATION

Mr. Lorette

Consideration of significant problems in the area of the administrator's relations with teachers, pupils, patrons, school board members, and pressure groups. Cases in the above areas form the basis for class discussions. The student is expected to develop the skills and understanding necessary to successful personnel administration. Offered in extension and summer session only.

Credit 2 hours.

ED. 343. ORGANIZATION AND CONDUCT OF THE GUIDANCE PROGRAM

Principles of organization and leadership as related to guidance service, methods for coordinating services in a city program and for providing a breadth of services in the small community, counselor qualifications and service load, physical facilities, and evaluation. Prerequisites: completion of course requirements for provisional certification for guidance service (page 87) and one year of teaching. Offered in extension and summer session only.

Credit 2 hours.

ED. 350. SEMINAR IN EDUCATION

The Departmental Staff

Required of graduate students who are candidates for the master's degree with specialization in Advanced Classroom Teaching, Educational Administration, or Secondary Education. May be presented in lieu of a thesis by those who are completing a total of 30 semester hours of approved work in graduate courses. Prerequisite: 16 hours of graduate credit.

Credit 3 hours, second semester.

ED. 351. SEMINAR IN ADULT EDUCATION

The Departmental Staff

Research and discussion centering around problems of scope, organization, program initiation, leadership, coordination and integration with community development. Problems investigated are selected in terms of the interests of the group. Prerequisite: Preparation and experience in adult education programs.

Credit 2 hours.

ED. 352. RESEARCH IN YOUTH EDUCATION

Mr. Leese

Examination of selected aspects of research on youth and on in-school and out-of-school programs of education for youth. Conduct of an original research project. Admission with consent of the instructor and open only to graduate students who have completed ED. 229 and 300 or equivalents.

Credit 2 to 6 hours, semester or year course.

ED. 353. ADVANCED EDUCATIONAL PSYCHOLOGY

Intensive study of the processes by which skills, concepts, understandings and ideals are acquired; examination of teaching practices in the light of basic research on learning; consideration of the similarities and differences in learning theories. Prerequisite: ED. 21 or ED. 251 or equivalent.

Credit 3 hours, second semester.

ED. 372. CLINICAL WORK WITH RETARDED READERS *Clinic Staff*

Selection of clinic cases, diagnosis of reading difficulties, individual and group application of remedial techniques; staff and case conferences with group application of remedial techniques; staff and case conferences and the preparation of case studies. Qualified students may be assigned additional work. Prerequisite: ED. 261; by permission of the instructor.

Six laboratory hours each week. Credit 3 to 6 hours, semester or year course.

ED. 373. MEASUREMENT OF INDIVIDUAL INTELLIGENCE

Clinic Staff

Practice in administration and interpretation of the following individual intelligence tests: Revised Stanford-Binet, Wechsler-Bellevue Intelligence Scale (for adults and children), and others. Prerequisite: ED. 273.

One class hour each week, four hours laboratory each week. Credit 3 hours.

ENGLISH

Professor Townsend Rich, *Chairman*

Professors: Paul C. Boomsliker, Agnes E. Futterer, Vivian C. Hopkins, Walter E. Knotts, Shields McIlwaine, Perry D. Westbrook.

Associate Professors: Frances L. Colby, Arthur N. Collins, Mary E. Grenander, Ryland H. Hewitt, Catharine W. Peltz, Paul B. Pettit.

Assistant Professors: Theodore S. Adams, Jarka M. Burian, William A. Dumbleton, Robert T. Harper, James M. Leonard (leave of absence), James M. Lewis, Thomson H. Littlefield, Samuel V. O. Prichard, Jr., Harry C. Staley, Robert E. Thorstensen.

Minor requirement in English: A minimum of 24 hours including SH. 1, EN. 1, 2, and 3. EN. 8 or 16 or 19 or 26 or 29 or 38. EN. 110 or 134 or 136. EN. 121 (3 hours).

Minor requirement in Speech (open only to English majors): SH. 162 or 202 or 262. 10 hours selected from SH. 4, 9, 139, 163, 260, and 269. 7 hours selected from SH. 7, 13, 112, 173, 212, EN. 8, and 109.

Major requirement in English: SH. 1, EN. 1, 2, and 3. EN. 8 or 16 or 19 or 38. EN. 26 or 29. EN. 110 or 134 or 136. EN. 106 (3 hrs.) and 121 (3 hrs.). EN. 271 (except for Speech minors, who complete SH. 260). 2 to 3 hours of literature or language on the 200-level.

Graduate requirement in English: EN. 311 and additional hours as advised (See page 39).

Graduate requirement in Speech: ED. 214SH. (for course description see Education). SH. 202 or 262, SH. 204, 212, 260, 269, and 300. 5 additional hours as advised. (Permanent certification requirements to teach Speech in New York State schools may be met by this program plus a minimum of 15 hours of approved prerequisite and/or graduate courses.)

Honors requirement in English: Courses required for the major except EN. 110. EN. 198 and 199. 9 hours of Speech including: SH. 4 or 9, SH. 162, SH. 173, or SH. 7 and 13. 15 hours of humanities as advised.

EN. 1. ENGLISH COMPOSITION FOR FRESHMEN

The Departmental Staff

Practice in writing the simpler types of exposition, with some attention to narration and description. The aim of the course is to secure correctness, clearness, and simplicity of style. *Credit 3 hours, either semester.*

SH. 1. SPOKEN ENGLISH FOR FRESHMEN

The Departmental Staff

An equal emphasis upon individual voice and speech improvement, elementary public speaking, and some essentials of oral reading.

Credit 3 hours, either semester.

EN. 2. BOOKS AND IDEAS

The Departmental Staff

A course designed to promote interest in good writings and to develop some critical appreciation of literature and skill in the analysis of ideas.

Significant books by short-story writers, novelists, autobiographers, essayists, and poets. *Credit 3 hours, either semester.*

EN. 3. GENERAL SURVEY OF ENGLISH LITERATURE

The Departmental Staff

The purpose of this course is to trace the development of English literature in outline, to kindle interest, and to render appreciation more intelligent. Limited to majors and minors in English. *Credit 6 hours, year course.*

SH. 4. ARGUMENTATION AND DEBATE

Mr. Prichard

Working principles and methods of discussion and debate for both learning and policy-making groups. Briefing, analysis of proof, and methods of research are applied to current topics. Special problems of radio and television discussions and debate are considered. Admission only with the consent of the instructor. *Credit 3 hours, first semester.*

SH. 7. FUNDAMENTALS OF DRAMATIC PRODUCTION *Mr. Leonard*

A survey of the history and theories of dramatic production with emphasis upon the principles of acting and stage direction. Class exercises in acting and directing, and opportunities for working with the State College Theatre in acting and all phases of production. Admission only with consent of instructor. *Credit 3 hours, first semester.*

EN. 8. MODERN DRAMA

Mr. Burian, Miss Futterer

Survey of contemporary drama, with special attention to English, Irish, and American plays written since 1890. *Credit 2 hours, either semester.*

SH. 9. PUBLIC SPEAKING

Mr. Prichard

Content of speech, analysis of audience, evaluation of techniques of current public speaking, preparation and delivery of various types of speeches. *Credit 3 hours, either semester.*

SH. 13. STAGECRAFT

Mr. Leonard

Elementary studies in the theory and practice of stage scenery and lighting and in the problems of stage management. Emphasis is placed upon the productions of the State College Theatre. Admission only with the consent of the instructor. *Credit 4 hours, year course.*

EN. 16. CONTEMPORARY AMERICAN NOVEL

Mr. Adams, Miss Grenander, Miss Hopkins

The novel in America from the late nineteenth century to the present. Not open to seniors who are majors or minors in English. *Credit 2 hours, either semester.*

EN. 17. THE LITERATURE OF BIOGRAPHY

Development of biography as a literary form; reading of lives of several authors studied in high school, and of representative contemporary biogra-

phies. Not open to seniors who are majors or minors in English. Not offered in 1959-60. *Credit 2 hours, second semester.*

EN. 19. SHORT FICTION

Mr. Collins, Mr. Dumbleton, Mr. Littlefield, Mr. Staley

Short stories, novelettes, and criticism of fiction. Practice in the analysis of narrative. Not open to seniors who are majors or minors in English.

Credit 2 hours, either semester.

EN. 26. MODERN AMERICAN POETRY

Mr. Collins, Mr. McIlwaine

Verse from Emily Dickinson to the present, with the aim of furthering the enjoyment of poetry both as an art and as an imaginative expression of American ideals. Not open to seniors who are majors or minors in English.

Credit 2 hours, first semester.

EN. 29. MODERN BRITISH POETRY

Mr. Collins, Mr. McIlwaine

Eleven poets from Hardy to Spender. The main emphasis will be placed not on literary history, but on understanding the intention and statement of each writer. Not open to seniors who are majors or minors in English.

Credit 2 hours, second semester.

EN. 38. ENGLISH AS A LANGUAGE

Mr. Dumbleton

A study of English philology: a survey of the history and development of the language, historical grammar, basic tendencies of the language, regional usages, especially American. Not open to seniors who are majors or minors in English.

Credit 2 hours, first semester.

EN. 106. SHAKESPEARE

Miss Hopkins, Mr. Rich

A survey of Shakespeare's dramatic career, with emphasis upon action and characterization in the plays, and some study of poetic style, staging, and music.

Credit 3 hours, either semester, or 6 hours, year course.

EN. 109. DRAMA AND THEATRICAL PRODUCTION

Mr. Pettit

Selected plays from European, British, and American literature illustrating important developments in theatrical history. Special attention to period theatres and styles of production which influenced the modern stage.

Credit 2 hours, second semester.

EN. 110. COMPOSITION AND CRITICISM

The Departmental Staff

Expository writing in such forms as definition, analysis, and the essay, with some free assignments; a review of English fundamentals; work in literary criticism. Limited to majors and minors in English; must be taken in the junior year.

Credit 2 hours, either semester.

SH. 112. ADVANCED DRAMATIC PRODUCTION

Mr. Burian

A detailed examination of problems confronting the actor, the director, and the stage technician with emphasis upon the preparation of the director's

prompt book. Each student will direct a short production for presentation in the College's Laboratory Theatre, will be assigned a production staff position in the State College Theatre, and will have opportunities for acting with the State College Theatre. Prerequisites: SH. 7 and 13. Admission only with consent of the instructor. *Credit 3 hours, second semester.*

EN. 121. AMERICAN LITERATURE

Miss Grenander, Miss Hopkins, Mr. McIlwaine, Mr. Westbrook

A survey of American Literature. First semester (A): From the colonial period to the Civil War. Second semester (B): From the Civil War to 1920. *Credit 3 hours, either semester, or 6 hours, year course.*

EN. 134. CREATIVE WRITING

Mr. McIlwaine

For editors of college publications and others who have shown ability to write well. They are left free to write what they wish; the class meetings are informal. Majors and minors in English are permitted to substitute this course for EN. 110. Admission with consent of the instructor.

Credit 2 hours, first semester.

EN. 136.* INTRODUCTION TO THE PRINCIPLES AND TRADITIONS OF LITERARY CRITICISM.

See courses in Comparative Literature.

SH. 139. THE PHONETICS OF AMERICAN ENGLISH

Mr. Boomsliter

Normal and variant forms of the sounds of American English, use of the International Phonetic Alphabet, methods of sound formation, standards of American pronunciation and inflection, phonetics in corrective speech.

Credit 2 hours, first semester.

EN. 157.* THE BIBLE: EARLY PROSE NARRATIVES

See courses in Comparative Literature.

SH. 162. ORAL READING OF LITERATURE

Miss Futterer

Principles of interpretation. Practice in analysis of various types of literature with a view to reading them aloud with understanding and effectiveness. Admission only with consent of the instructor. *Credit 3 hours, either semester.*

SH. 163. STRUCTURE AND FUNCTIONING OF THE SPEECH MECHANISM

Mr. Boomsliter

Anatomy and specialized developments of the speech organs and the ear, functioning of the voice mechanism in normal speech, origins of spoken language as indicated by the development of children and primitive peoples.

Credit 3 hours, second semester.

SH. 173. HIGH SCHOOL AND COMMUNITY THEATRE

Mr. Pettit

An introduction to theatre practice, covering the essentials of play selection, direction, staging, publicity, production organization, and related prac-

tical matters; designed primarily for English majors. Not open to students who have taken or are registered in SH. 7 or 13. *Credit 3 hours, first semester.*

EN. 198. JUNIOR HONORS IN ENGLISH *Miss Grenander, Mr. Rich*

First semester: Selected major works and authors in English literature not included or represented extensively in EN. 3; several European masterpieces of significance for English letters; a group study of the background of a writer, a literary school, or a brief period. Development of literary appreciation through oral reading, seminar discussion, and practice in using various critical approaches in short papers. Second semester: cooperative study of a period, literary type, theme, or several related authors in American literature. Honors majors will take EN. 121 or EN. 225 (by special permission), or in some cases will do independent reading in American literature with a tutor. Restricted to junior English majors who have been admitted to the Honors Program. Admission to this program by (1) a letter of application submitted by April 1 of the student's sophomore year and (2) approval by the Department of the Honors Committee's nomination. *Credit 12 hours, year course.*

EN. 199. SENIOR HONORS IN ENGLISH *Mr. McIlwaine*

Individual reading plans to strengthen candidates' knowledge of English and American literature, a project for independent study, presentation of different kinds of material in English classes on the junior-college level. Conference, tutorial, and other forms of individualized instruction. Limited to senior majors who have completed EN. 198, SH. 162, and have been admitted to candidacy for Honors by the Department on recommendation of the Honors Committee. *Credit 8 hours, second semester.*

EN. 200. THE AMERICAN MIDLANDS *Mr. McIlwaine*

A regional survey of the Corn Belt, the Wheat Belt, the Great Lakes, and Chicago; history, biography, travel, verse, and fiction; literary record of "Pike County", local color, the realism of Mark Twain and Ed Howe, the veritism of Garland, and the Mid-Western Revival after 1912 represented by Lindsay, Anderson, and others. *Credit 3 hours, second semester.*

SH. 202. ORAL INTERPRETATION OF POETRY *Miss Futterer*

Analysis of the kinds of verse most suitable for oral interpretation and their demands upon the oral reader and the audience; practice in reading poetry aloud. Not offered in 1959-60. *Credit 3 hours, second semester.*

EN. 203. NEW ENGLAND: THE LITERARY AND SOCIAL RECORD *Mr. McIlwaine*

A regional consideration of New England culture and its contributions to American life; significance of geography, climate, institutions, and customs. Not offered in 1959-60. *Credit 3 hours, second semester.*

SH. 204. DIRECTION OF FORENSIC ACTIVITIES *Mr. Prichard*

Problems and procedures in teaching and directing debate, discussion, extempore speaking, and related speech activities. Preparation of briefs and

bibliographies for the 1959-60 high-school topic; demonstration debates on the topic. *Credit 3 hours, second semester.*

SH. 205. TELEVISION PRODUCTION AND PROGRAM PLANNING

Case studies and individual projects in planning commercial and educational program series for television. Audience research techniques. Station staff and school-unit organization and administration. The class prepares and presents television programs over a local station during the term. Not offered in 1959-60.

Credit 2 hours, first semester.

SH. 212. STYLES OF DRAMATIC PRODUCTION *Mr. Pettit*

A study of the production requirements for various periods and styles of dramas. Set design, lighting, costumes, make-up, and properties; the analysis and adjustment of these elements to various types of drama; techniques for utilizing effectively basic facilities. *Credit 3 hours, second semester.*

EN. 213A. ENGLISH ROMANTIC POETS *Miss Peltz*

The poetry of the early nineteenth century, including work of such authors as Wordsworth, Byron, Shelley, and Keats. *Credit 3 hours, first semester.*

EN. 213B. ENGLISH VICTORIAN POETS *Miss Peltz*

The poetry of the Victorian period, including the work of such authors as Tennyson, Browning, Arnold, and Rossetti. Not offered in 1959-60.

Credit 3 hours, first semester.

EN. 215A. ENGLISH NOVELS OF THE EIGHTEENTH CENTURY *Mr. Knotts*

Classic works selected to illustrate the establishment of major fictional types: the adventure tale, the Gothic novel, the sentimental love story, and the realistic novel of manners. Emphasis on Defoe, Fielding, Sterne, and Smollett. *Credit 3 hours, first semester.*

EN. 215B. ENGLISH NOVELS OF THE NINETEENTH CENTURY *Mr. Knotts*

Selected works of novelists from Jane Austen to Thomas Hardy, development of form, broadening of subject matter, literary and social ideas. Not offered in 1959-60. *Credit 3 hours, first semester.*

EN. 216. THE MODERN BRITISH NOVEL *Mr. Rich*

The novel in England from 1900 to the present, with some reference to the novels of America and the European continent. Emphasis on experimentation in technique and on the reflection of contemporary thought.

Credit 3 hours, second semester.

EN. 225A. MAJOR AMERICAN WRITERS *Miss Hopkins*

Nineteenth-century authors selected for variety of significance in American culture and value as subjects of critical interest: Cooper, Poe, Hawthorne, Emerson, Melville. *Credit 2 hours, first semester.*

EN. 225B. MAJOR AMERICAN WRITERS

Mr. Westbrook

Nineteenth-century authors selected for variety of significance in American culture and value as subjects of critical interest: Whitman, Twain, Emily Dickinson, Henry James, and one other writer. Not offered in 1959-60.

Credit 2 hours, first semester.

EN. 229. CHAUCER

Mr. Westbrook

The medieval English background, Chaucer's European connections, the ideas and narrative art of the poet's major works. No previous knowledge of Middle English is required.

Credit 3 hours, first semester.

EN 230. EIGHTEENTH-CENTURY ENGLISH LITERATURE

Mr. Knotts

Philosophical and literary ideas, modes in literature and other arts, popular literary forms of the age such as letters, poetic epistles, satires, essays and society verse. The more important poets: Pope, Burns, Crabbe, and Blake; major prose writers: Swift, Johnson, and Boswell. Not offered in 1959-60.

Credit 3 hours, second semester.

EN. 232. SEVENTEENTH-CENTURY PROSE AND VERSE

Mr. McIlwaine

Significant authors, except Milton, of the Stuart regimes, the Civil Wars, and the Commonwealth; the literary life and public issues; the nature of period wit and humor; Donne and his value to readers of modern verse; devotional writings of George Herbert and others; the Cavalier manner of Suckling and other light verse writers; lyric methods of Herrick, Marvell, and Waller; evolution of new prose forms; Sir Thomas Browne and other prose stylists.

Credit 3 hours, first semester.

EN. 233. MILTON

Miss Colby

Close study of Milton's personality, mind, and career as exhibited in his public service and his writings; the legacy of Renaissance and Reformation in his thought and style; his originality and freedom within the traditions of prose and verse.

Credit 3 hours, second semester.

EN. 240. REPRESENTATIVE ENGLISH DRAMA

Mr. Rich

A chronological study of English Drama through the nineteenth century, according to such types as the morality, comedy, tragedy, farce, and tragic-comedy, and according to such modes as the romantic, realistic, classic, heroic, and sentimental. Not open to students with credit in EN. 246 or 250. Not offered in 1959-60.

Credit 3 hours, first semester.

EN. 242. SOUTHERN LIFE AND LITERATURE

Mr. McIlwaine

A brief survey of ante-bellum life as depicted in literature and social history, followed by a general interpretation of the South of today in poetry, drama, fiction, the essay, and folk literature. Not offered in 1959-60.

Credit 3 hours, second semester.

EN. 244. ELIZABETHAN POETRY

Non-dramatic verse, selected to give an understanding of Elizabethan society, thought, and literary modes. Major study of Spenser's *Faerie Queene*; minor study of Sackville, Sidney, Marlowe, Daniel, and Drayton. Not offered in 1959-60. *Credit 3 hours, first semester.*

EN. 246. THE ENGLISH DRAMA TO 1625. *Mr. Rich*

The works of Shakespeare's contemporaries and successors together with the origins of Elizabethan drama. Special emphasis on Marlowe, Jonson, and Fletcher. Not open to students with credit in EN. 240.

Credit 3 hours, first semester.

EN. 249A. ENGLISH PROSE OF THE ROMANTIC ERA *Miss Peltz*

The prose of the early nineteenth century, including such authors as Landor, Hazlitt, Coleridge, DeQuincey, and Lamb. Autobiography, letters, essays, critical writings, and fiction. *Credit 3 hours, second semester.*

EN. 249B. ENGLISH PROSE OF THE VICTORIAN ERA *Miss Peltz*

Prose writers such as Carlyle, Ruskin, Arnold, Newman, and Pater, with some emphasis upon types of prose other than the essay. Opportunity is given for individual research. Not offered in 1959-60.

Credit 3 hours, second semester.

EN. 250. ENGLISH DRAMA FROM DRYDEN THROUGH SHERIDAN

Mr. Knotts

Representative plays, chiefly comedies, from works of Dryden, Wycherley, Etherage, Otway, Vanbrugh, Congreve, Farquhar, Goldsmith, and Sheridan.

Credit 3 hours, second semester.

EN. 251. ADVANCED STUDIES IN THE ENGLISH LANGUAGE

Chief emphasis upon semantics, in theory and in contemporary use. Special individual work on diction of chosen writers. Not offered in 1959-60.

Credit 2 hours, second semester.

EN. 256. THE WEST *Mr. McIlwaine*

A regional study of the Southwest, the Great Plains, the Northwest, and the Pacific Coast. Social history and literature are used to interpret aspects of local culture. Not offered in 1959-60. *Credit 3 hours, second semester.*

SH. 260. SPEECH CORRECTION *Mr. Boomsliter*

The causes of speech defects in normal and in abnormal individuals, their prevention and correction, with special emphasis on the speech defects ordinarily encountered in secondary schools; observation of clinical procedures in the Albany area, practice in diagnosis and correction of speech defects. SH.

139 and 163 are recommended as preparation for this course. Major-minors who need this course to meet their requirements will take the fall semester and an eight-week laboratory term during their professional semester in the spring.

Credit 6 hours, year course.

SH. 262. ORAL INTERPRETATION OF DRAMA

Miss Futterer

Oral presentation of scenes from various types of drama by individual students. Study of the technique involved, choice and arrangement of materials, and analysis of audience response. SH. 162 is recommended as preparation for this course. Admission with consent of instructor.

Credit 3 hours, first semester.

SH. 269.* FORMS OF PUBLIC ADDRESS

See courses in Comparative Literature.

EN. 271. SENIOR ENGLISH SEMINAR

Mr. Westbrook

Selected works of intrinsic and collateral value; an intensive eight-week course restricted to senior English majors and major-minors during their professional semester. Major-minors who need SH. 260 to meet their requirements will enroll in that course instead of EN. 271.

Credit 3 hours, either semester

EN. 272.* INFLUENTIAL BOOKS

See courses in Comparative Literature.

SH. 300. SPEECH SEMINAR

The Speech Staff

Group sessions and individual conferences on the techniques and problems of research in Speech; readings and independent investigations in the history, principles, and practice of the major areas of Speech; short papers and oral reports.

Credit 4 hours, year course

EN. 311. GRADUATE SEMINAR IN ENGLISH

Mr. McIlwaine

Designed to test and improve the student's knowledge of literature and the materials and methods of literary study. Preparation of various types of short papers, oral reports, and group discussions. Satisfactory completion of this course required for admission to candidacy for the master's degree.

Credit 3 hours, first semester.

FRENCH

(See Modern Foreign Languages)

GEOGRAPHY

(See Social Studies)

GERMAN

(See Modern Foreign Languages)

GOVERNMENT

(See Social Studies)

GREEK

(See Ancient Languages)

HEALTH

(See Safety and Health Education)

HISTORY

(See Social Studies)

INTERDEPARTMENTAL HUMANITIES

HU. 123.* HUMANITIES

See courses in Comparative Literature.

INTRODUCTION TO COLLEGE

IC. 1. INTRODUCTION TO COLLEGE

This course, required of all freshmen, is designed to introduce the freshman to college, to acquaint him with the nature and purposes of liberal and professional education, and to help him find meaning in college and in life.

Credit 2 hours, year course.

LATIN

(See Ancient Languages)

LIBRARIANSHIP

Professor Robert S. Burgess, Jr., *Chairman*

Professor Hazel Dean.

Associate Professors: Budd Gambee, H. Carolyn Howard.

Assistant Professor Leonard H. Freiser.

Instructors: Helen Adler, Alice P. Walsh.

Lecturers: Robert H. Deily, Susan S. Smith.

Minor requirement: A minimum of 16 hours, including LI. 1, 113, 115, 117.

Major requirement in School Librarianship (A.B. Degree): LI. 1, 113, 115B, 117, 118, and 7 additional hours as advised. Majors in School Librarianship must also complete ED. 20, 21, 22, 23 and 7 additional hours as advised.

Major requirement in Public Librarianship (A.B. Degree): LI. 1, 100, 113, 115A, 117, 223 and 7 additional hours as advised.

All candidates for the A.B. degree with major in Librarianship must complete, in lieu of a minor, 18 hours in one, and 18 hours in a second of the following three areas in addition to the courses on page 42 required of all candidates for the A.B. degree:

- a. Humanities (English and foreign language literature, Philosophy, Music, and Art)
- b. Mathematics and the Sciences
- c. The Social Sciences (Economics, Geography, History, Political Science, Psychology, and Sociology)

Graduate requirement for the Degree Master of Science in Library Science: A minimum of 30 semester hours of graduate study in Librarianship or related courses as approved. Students without previous work in this Department will complete 6 undergraduate prerequisite hours and 30 semester hours at the graduate level in Librarianship. In addition all students without previous acceptable library experience must enroll in LI. 115A Field Work. A candidate for the master's degree may elect one of the following three programs:

School Librarianship: Undergraduate prerequisites: LI. 113, 117; Graduate requirements: LI. 212, 222, 223, 228, 310, 311, 313; two

of 317, 318A, 318B, 318C, and 318D; 319, and 320; and if needed, another course to total 30 hours.

Public Librarianship: Undergraduate prerequisites: LI. 113, and 100 or 117; Graduate requirements: LI. 212, 222, 223, 310, 311; one of 318A, 318B, 318C, and 318D; 319 (or ED. 284), 320, 321, and electives to total 30 hours. When advised certain courses offered by the Graduate School of Public Administration, located in Albany, may be applied toward this program.

College Librarianship: Undergraduate prerequisites: LI. 100, 113; Graduate requirements: 212, 222, 223, 310, 311; two of 318A, 318B, 318C, and 318D; 320, 333, and electives to total 30 hours.

Students who have studied Librarianship during their undergraduate years will plan a fifth year of study which combines courses in Librarianship with courses in an academic field or in Education. A minimum of 16 semester hours of graduate study must be in the field of Librarianship. For those who have completed the A.B. degree with a major in Public Librarianship or School Librarianship, the graduate program serves as the fifth year of a five year integrated program of study.

The passing of a written examination is required by The Board of Regents of all persons who wish to qualify for a license as a Public Librarian.

LI. 1. INTRODUCTION TO LIBRARIANSHIP. *Mrs. Adler, Miss Dean.*

An introduction to library science through a study of the history of libraries, types of libraries and library services, and national campaigns and movements involving books and libraries. Emphasis is placed on the concept of the librarian as mediator between library materials and people. Field trips to nearby libraries. *Credit 3 hours, either semester.*

LI. 2. BOOKS AND READING *Mr. Burgess*

Introduction to books and the publishing world; current trends in writing and publishing; sources of book information for readers; distribution agencies; censorship; book collecting and building a personal library. Some attention is given to national campaigns and movements involving books, e.g., the Great Books discussion program. Students are encouraged to broaden their reading interests, and to plan and begin an individual program of reading. Open only to those who have already taken LI. 1 for 2 hours credit.

Credit 2 hours, first semester.

LI. 100. NONBOOK MATERIALS IN THE LIBRARY *Mr. Gambee*

The place of audio-visual materials in library service; selection, acquisition, cataloging, housing, circulation, and use of these materials; administration of the audio-visual department or section of the library. Emphasis will be placed on types of materials most frequently acquired by libraries: clippings, maps, flat and framed pictures, film strips, phonograph records, sound films.

Credit 3 hours, first semester.

LI. 113. LIBRARY ORGANIZATION *Mr. Burgess, Mrs. King*

Buying, accessioning, classifying, cataloging, circulating, binding, and caring for books and other printed materials in the library. Problems and practice for each unit emphasize the technical work common to all types of small libraries and branches of large systems.

Credit 3 hours, either semester.

LI. 115A. FIELD WORK *Mr. Burgess, Mr. Gambee*

Weekly hours arranged in a nearby library as a laboratory experience to accompany or follow the course in Library Organization.

Credit 2 hours, either semester.

LI. 115B. FIELD WORK *Mr. Gambee*

The student is assigned for a period of eight weeks to a school library or library system, where he participates in all the activities which normally constitute the librarian's day. Field Work Seminar (LI. 118) must be taken concurrently. These two courses comprise one half of the Professional Semester.

Credit 6 hours, either semester.

LI. 117. LITERATURE FOR CHILDREN *Miss Howard*

A survey of literature for children, including a study of popular books and periodicals, Newbery books, books for beginners, illustrators, poetry, traditional literature, and children's stories, with the aim of discovering the characteristics of good literature for children. Some attention given to introducing books to children, and to story telling. A wide reading of children's books is required.

Credit 3 hours, either semester.

LI. 118. FIELD WORK SEMINAR *Mr. Gambee*

Taken concurrently with Field Work (LI. 115B), the Seminar is concerned with clarifying principles, methods, materials, and problems met in the field experience.

Credit 2 hours, either semester.

LI. 212. CLASSIFICATION AND CATALOGING *Miss Dean, Mrs. Walsh*

The principles underlying classification of books and the principles and techniques involved in the making of a dictionary catalog, practice in classification according to the Dewey Decimal Classification scheme, the use of American Library Association Rules and lists of subject headings, the making of unit cards, adaptation of printed cards to the needs of the school library. Special attention is given to the function of the catalog and to the plan and

organization of a catalog that will adequately serve the various departments of the schools. Prerequisite: LI. 113.

Three lectures, one laboratory hour per week. Credit 3 hours, either semester.

LI. 222. BOOK SELECTION

Mr. Gambee

The principles governing the building and maintaining of a book collection; the study of basic aids in selection; book reviewing; annotation; topics related to book production and distribution. Some reading of popular books and practice in choosing current books for specific purposes.

Credit 3 hours, either semester.

LI. 223. BASIC REFERENCE SOURCES

Mrs. Adler, Mr. Burgess

Examination and discussion of materials basic for general reference service in any library, and problems in their use. Reference tools include encyclopedias, dictionaries, atlases, biographical dictionaries, representative handbooks, indexes to periodicals, audio-visual materials, and general and trade bibliography.

Credit 3 hours, either semester.

LI. 228. LITERATURE FOR THE HIGH SCHOOL STUDENT

Miss Howard

The interests and needs of adolescent readers; the principles of selection of books for high school students and the aids needed for this selection. Emphasis is on a survey of books written for young adults with a view of understanding the scope of library collections for them, both for recreational reading and curricular use. Practice in compiling reading lists and in selecting current books for school libraries. Wide reading of books is required.

Credit 3 hours, either semester.

LI. 310. LIBRARY PROBLEMS AND RESEARCH METHODS.

Mr. Burgess

Survey of the major areas of professional concern, with attention to historical developments, current controversies, and research studies completed and in progress; introduction to methods of research commonly used in librarianship, bibliographical, statistical, and historical.

Credit 3 hours, first semester.

LI. 311. SEMINAR IN LIBRARIANSHIP

Miss Howard

Conferences, reports, readings, discussion, problems, and research in a field of librarianship.

Credit 2 to 4 hours, either semester.

LI. 312. ADVANCED CLASSIFICATION AND CATALOGING

Miss Dean

Unusual problems in cataloging; adapting classification and cataloging practices to individual libraries; brief consideration of the Library of Congress classification system.

Two lectures, one laboratory hour per week. Credit 2 hours, second semester.

LI. 313. THE LIBRARY IN THE SCHOOL *Mrs. Walsh*

The library in the secondary or central school; its objectives, functions, administration, and problems. *Credit 2 hours, second semester.*

LI. 317. LIBRARY MATERIALS FOR CHILDREN *Miss Smith*

The selection and use of books and materials for children in school libraries, with emphasis on tools for selection, reference materials, non-fiction and fiction. Includes also problems and trends in writing and publishing for children. Prerequisite: LI. 117. *Credit 2 hours, second semester.*

LI. 318A. LIBRARY MATERIALS IN THE HUMANITIES

Survey of books and materials in religion and philosophy, the fine arts, and creative writing (poetry, drama, essays, fiction) to indicate the scope and characteristics of the literature in each field. Included with contemporary books are the classics and landmarks in each area, and the general reference materials. Reading and evaluating of books, and problems in the use of reference tools are required. Prerequisites: LI. 222 and 223.

Credit 3 hours, second semester.

LI. 318B. LIBRARY MATERIALS IN THE SOCIAL SCIENCES

Mr. Freiser

Similar to LI. 318A. Areas covered: Psychology, Education, History, Geography, Business, Economics, Political Science, Current Social Problems, and other related fields as time permits. Prerequisites: LI. 222 and 223.

Credit 3 hours, second semester.

LI. 318C. LIBRARY MATERIALS IN THE SCIENCES *Mr. Freiser*

Similar to LI. 318A. Covers the pure and applied sciences. Prerequisites: LI. 222 and 223.

Credit 2 hours, first semester.

LI. 318D. LIBRARY RESOURCES FOR TEACHING AND EDUCATIONAL RESEARCH

Similar to LI. 318A. Designed to meet the needs of teachers' college librarians, educational research workers, teachers and librarians responsible for curriculum centers, and others who wish intensive coverage of resource materials in Education.

Credit 2 hours.

LI. 319. THE READER AND DIRECTING OF READING *Mr. Freiser*

The place of reading in modern life, means of communication other than reading, reading studies and community surveys, materials of reading, service to readers through the library.

Credit 3 hours, second semester.

LI. 320. HISTORY OF BOOKS AND THEIR PLACE IN SOCIETY

Miss Howard

History of the evolution and use of books considered in relation to the society of which they were a part.

Credit 2 hours, first semester.

LI. 321. PUBLIC LIBRARY ADMINISTRATION

Mr. Freiser

The small public library, its objectives, relations to the community, organization, finance, personnel, standards, service, and cooperation with other library units.
Credit 2 hours, second semester.

LI. 324. CONTINUATIONS AND SERIALS

Miss Dean

History and development of magazine publishing; problems in selecting, acquiring, recording, indexing, using and evaluating serials in libraries; use of microcards and microfilms as substitutes for binding. A major unit in the course is devoted to government publications.
Credit 3 hours.

LI. 333. COLLEGE LIBRARY SERVICE

Mr. Gambee

The library program of the junior college, institute, and small four-year college; organization and administration of materials, personnel, equipment; relationships to faculty, students, and instructional program.
Credit 2 hours, first semester.

MATHEMATICS

Professor Ralph A. Beaver, *Chairman*

Professor Caroline A. Lester.

Associate Professors: Elton A. Butler, Violet H. Larney, Robert C. Luippold, Nura D. Turner.

Assistant Professors: Erich Nussbaum, Paul T. Schaefer.

Minor requirement (A.B. degree): MA. 25, 26, 27, and two courses numbered above 27.

Major requirement (A.B. degree): MA. 24, 25, 26, 27, 30 or 110, 111, 221, 224. Physics 1 is recommended as an elective.

Major requirement (B.S. degree): MA. 24, 25, 26, 27, 30 or 110, 111, 221, 224; a minor in Biology, Chemistry, or Physics.

Note: Students who expect to do advanced graduate work in mathematics are urged to elect French or German.

Graduate requirement: MA. 311 and additional hours as advised. (See page 39).

MA. 21. ELEMENTS OF MATHEMATICS

Principles and applications of mathematics: Nature of reasoning, numbers and their use, choice and chance, equations, interest and annuities, statistics, the function concept, graphical representation of functional relationships,

modern developments in mathematics. This course is intended for students who expect to do no further work in mathematics or science.

Credit 6 hours, year course.

MA. 22. COLLEGE ALGEBRA

Binomial theorem, mathematical induction, complex numbers, theory of equations, permutations and combinations, probability, determinants. Prerequisites: intermediate algebra and plane geometry.

Credit 3 hours, either semester.

MA. 23. PLANE TRIGONOMETRY

Properties and applications of the trigonometric functions. Prerequisites: intermediate algebra and plane geometry.

Credit 3 hours, either semester.

MA. 24. SOLID GEOMETRY

Lines and planes in space, polyhedrons, cylinders, cones, spherical geometry.

Credit 3 hours, either semester.

MA. 25. ANALYTIC GEOMETRY AND CALCULUS

Cartesian coordinates, the straight line, the conics, transformation of coordinates, differentiation of algebraic functions with applications. Prerequisites: MA. 22 and 23.

Credit 3 hours, either semester.

MA. 26. CALCULUS II

The definite integral with applications, methods of integration, differentiation and integration of transcendental functions, differentials. Prerequisite: MA. 25.

Credit 3 hours, either semester.

MA. 27. CALCULUS III

The mean value theorem, parametric equations, polar coordinates, infinite series, elements of solid analytic geometry, functions of two variables. Prerequisite: MA. 26.

Credit 3 hours, either semester.

MA. 28. INTERMEDIATE CALCULUS

Elements of solid analytic geometry, partial differentiation, multiple integration, introduction to differential equations. Prerequisite: MA. 27.

Credit 3 hours, either semester.

MA. 30. MATHEMATICS OF FINANCE

Applications of mathematics to finance with emphasis on problems of investments, annuities, and life insurance. Prerequisite: MA. 22.

Credit 3 hours, either semester.

MA. 110. COLLEGE GEOMETRY

Advanced geometric constructions, properties of the triangle and circle. Both analytic and synthetic methods will be used. Prerequisite: MA. 26.

Credit 3 hours, either semester.

MA. 111. STATISTICAL METHODS

Mrs. Larney, Miss Turner

Frequency distributions, measures of central values and dispersion, the normal distribution, tests of hypotheses, analysis of variance, regression and correlation. Prerequisite: MA. 26.

Credit 3 hours, either semester.

MA. 115. STATISTICAL THEORY

Theoretical frequency distributions, large-sample and small-sample theory, testing goodness of fit, testing statistical hypotheses. Prerequisites: MA. 27 and 111.

Credit 3 hours, second semester.

MA. 127. DIFFERENTIAL EQUATIONS

Methods of solving ordinary differential equations with applications. Prerequisite: MA. 27.

Credit 3 hours, second semester.

MA. 128. ADVANCED CALCULUS I

Logical foundations of the calculus, partial differentiation and multiple integration, transformations. Not offered in 1959-60.

Credit 3 hours, either semester.

MA. 208. HISTORY OF MATHEMATICS

Miss Lester

History of the development of mathematics, emphasizing the contributions of outstanding men and civilizations. Prerequisite: MA. 27.

Credit 3 hours, either semester.

MA. 216. DESIGN OF EXPERIMENTS

Miss Turner

Fundamental principles of designs, randomized blocks, Latin squares, split-plot and factorial designs, individual comparisons, components of error, confounding, applications to problems in various fields. Prerequisite: MA. 111.

Credit 3 hours, first semester.

MA. 221. INTRODUCTION TO ABSTRACT ALGEBRA

The structure of algebra; groups, fields, the complex field, polynomials in a field; rings, matrices, determinants. Prerequisite: MA. 27.

Credit 3 hours, first semester and first and second quarters.

MA. 224. TOPICS FROM CONTEMPORARY MATHEMATICS

Introduction to set theory, symbolic logic, probability, linear programming, theory of games; modern applications of these topics to business, the social sciences, and the natural sciences. Prerequisite: MA. 27.

Credit 3 hours, second semester and third and fourth quarters.

MA. 227. DIFFERENTIAL EQUATIONS

For description see MA. 127. This course will carry graduate credit for the last time during the second semester, 1959-60.

Credit 3 hours, second semester.

MA. 228. ADVANCED CALCULUS II

Vectors and vector fields, elements of differential geometry, line and surface integrals, point set theory, theory of integration, power series, uniform convergence. Prerequisite: MA. 128. Not offered in 1959-60.

Credit 3 hours, either semester.

MA. 310. PROJECTIVE GEOMETRY

Miss Lester

A study of the real projective plane, the principle of duality, harmonic sets, involutions, poles and polars, the theory of conics.

Credit 3 hours, first semester.

MA. 311. SEMINAR IN MATHEMATICS

Mr. Beaver

Individual assignments, investigations, conferences, and reports.

Credit 3 hours, second semester.

MA. 323. MODERN ALGEBRA

Miss Lester

Theory of numbers, finite groups, algebraic fields, matrices, linear algebras.

Credit 3 hours, second semester.

MA. 328. THEORY OF FUNCTIONS OF A REAL VARIABLE

Mrs. Larney

Real number system, point set theory, continuity, sequences and series of functions, implicit functions, theory of differentiation and integration. Prerequisite: MA. 28.

Credit 3 hours, second semester.

MA. 329. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE

Mrs. Larney

The elementary functions, differentiation, conformal transformations, power series, integral theorems, Taylor's and Laurent's expansions, applications of residues. Prerequisite: MA. 28.

Credit 3 hours, first semester.

MODERN FOREIGN LANGUAGES

Professor J. Wesley Childers, *Chairman*

Professors: Edward P. Shaw, Willard E. Skidmore.

Associate Professors: Stewart Denslow, Sara H. MacGonagle, Edwin C. Munro, Carl J. Odenkirchen.

Assistant Professors: Frank G. Carrino, Arnolds Grava, Frederick W. Moore, Arline F. Preston, Eunice Clark Smith.

I. FRENCH

Minor requirement: FR. 3, 8, 104, 109, and 110.

Major requirement: Courses and hours prescribed for the minor, the course prescribed for majors during their professional semester, and three additional hours above FR. 110.

Graduate requirement: FR. 311 and additional hours as advised (see page 39).

The New York State Board of Regents requires the successful completion of a written examination of all students who desire to teach French. The requisite courses to prepare for this examination are FR. 104, 109, and 110. FR. 109 and 110 should be scheduled not later than the seventh semester if the student is planning to take the examination in February of that academic year.

FR. 1. ELEMENTARY FRENCH

The Departmental Staff

For beginners: grammar, composition, conversation, the reading of French. Classes meet five times per week.

Credit 8 hours, year course.

FR. 2. INTERMEDIATE FRENCH

The Departmental Staff

Varied readings in modern French literature; review of grammar, composition, and conversation. Prerequisite: two years of high school French. Not open to students who have credit for FR. 1.

Credit 6 hours, year course.

FR. 3. INTRODUCTION TO FRENCH LITERATURE

The Departmental Staff

Various types of French literature from the works of important authors; brief review of grammar. Prerequisite: FR. 1 or 2, or three or four years of high school French.

Credit 6 hours, year course.

FR. 8. INTERMEDIATE FRENCH COMPOSITION AND CONVERSATION

The Departmental Staff

Speaking and writing based upon passages from French literature and civilization. Prerequisite: FR. 2 or 3. May be taken simultaneously with FR. 3 upon special permission.

Credit 6 hours, year course.

FR. 10.* MASTERPIECES OF FRENCH LITERATURE IN ENGLISH TRANSLATION

See courses in Comparative Literature.

FR. 104. GENERAL VIEW OF FRENCH LITERATURE

Miss Preston, Mr. Shaw

General survey of French literature from its origin to the present. Prerequisite: FR. 8. FR. 104 and 8 may be taken simultaneously with special permission.

Credit 6 hours, year course.

FR. 109. ADVANCED FRENCH COMPOSITION *Miss Preston*
Prerequisite: FR. 8. Required of students who take the examination for oral credit in French.
Credit 3 hours, either semester.

FR. 110. FRENCH PHONETICS *Mr. Grava*
Prerequisite: FR. 8. Sophomores may take this course with special permission.
Credit 2 hours, either semester.

FR. 115. FRENCH CIVILIZATION *Mrs. Smith*
Social and historical background of modern French institutions and life. Students who expect to teach French are advised to elect this course. Prerequisite: FR. 8.
Credit 3 hours, second semester.

FR. 203. FRENCH LITERATURE OF THE TWENTIETH CENTURY *Mrs. Smith*
A survey of literary movements in the twentieth century, with a careful study of selected authors and works. Prerequisite: FR. 104.
Credit 3 hours, first semester.

FR. 204. ADVANCED LANGUAGE *Mr. Grava*
Designed to give students, who have earned at least a minor in French, intensive practice in conversation, diction, and translation. The methods used include oral and written compositions, translations from English into French, and the study of passages from modern French authors for style and shades of expression. Not open to students who have had the former course 304. Prerequisite: FR. 109, or advanced standing in French. This course must be taken by French majors during their professional semester.
Credit 3 hours, either semester.

FR. 205. THE ROMANTIC MOVEMENT IN FRENCH LITERATURE *Mr. Shaw*
Literary and philosophical background of French romanticism; comprehensive study of romanticism in French poetry, drama, and other literary types from 1820 to 1843. Prerequisite: FR. 104. Alternates with FR. 207.
Credit 3 hours, first semester.

FR. 206. FRENCH LITERATURE, 1843-1891 *Mr. Shaw*
Comprehensive study of the major literary currents during the second half of the nineteenth century, with emphasis on the schools of realism and naturalism. Prerequisite: FR. 104. Alternates with FR. 208.
Credit 3 hours, second semester.

FR. 207. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY *Mr. Shaw*
Development of the classical ideal in French literature. Comprehensive study of representative dramas of Corneille, Racine, and Molière. Prerequisite: FR. 104. Alternates with FR. 205. Not offered in 1959-60.
Credit 3 hours, first semester.

FR. 208. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY

Mr. Shaw

Formation of the scientific spirit in French literature; the literary and intellectual history of France during the age of Voltaire and Rousseau. Prerequisite: FR. 104. Alternates with FR. 206. Not offered in 1959-60.

Credit 3 hours, second semester.

FR. 209. HISTORY OF THE FRENCH LANGUAGE *Mr. Odenkirchen*

Basic principles of general and Romance linguistics. Origins and development of the French language up to the Renaissance. Readings in the oldest texts. Prerequisite: FR. 104 or permission of instructor. Not offered in 1959-60.

Credit 3 hours, first semester.

FR. 210. INTRODUCTION TO OLD AND MIDDLE FRENCH LITERATURE *Mr. Odenkirchen*

The study of selected literary texts of the old and middle French periods, especially the *Chanson de Roland*, the *Lais* of Marie de France, and the poems of Villon, with emphasis on the cultural and historical background. Prerequisite: FR. 209 or its equivalent. Not offered in 1959-60.

Credit 3 hours, second semester.

FR. 211. MONTAIGNE *Miss Preston*

A study of Montaigne as a modern thinker, an artist, and a personality of the sixteenth century. Prerequisite: FR. 104. Not offered in 1959-60.

Credit 2 hours, second semester.

FR. 212. ANATOLE FRANCE AND HIS TIMES *Miss Preston*

Anatole France and some of his contemporaries, studied as thinkers and artists in a period of transition. Prerequisite: FR. 104. Not offered in 1959-60.

Credit 2 hours.

FR. 213. THE RENAISSANCE IN FRANCE BEFORE MONTAIGNE

Miss Preston

A study of the development of French prose, from De Commines to Rabelais, and of poetry, from Villon to La Pléiade. Prerequisite: FR. 104. Not offered in 1959-60.

Credit 2 hours, first semester.

FR. 214. EXPLICATION DE TEXTES *Miss Preston*

Exercises in the interpretation and imitation of a few selected authors of different periods, based on an analytic study of style. Prerequisites: FR. 104 and 109.

Credit 3 hours, second semester.

FR. 311. SEMINAR IN FRENCH *The Departmental Staff*

Organized to meet the needs of graduate students who specialize in French.

Credit 6 hours total, varying from 2 to 4 hours a semester.

II. GERMAN

Minor requirement: GE. 3, 9, 103, and 110.

Major requirement: Courses prescribed for the minor and GE. 204, plus 3 additional hours as advised.

The passing of a written examination is required by the Board of Regents of students who desire to teach German. The requisite course to prepare for this examination is GE. 110. Students who wish to take this examination in two modern languages are advised to prepare for one in the junior year.

GE. 1. ELEMENTARY GERMAN

The Departmental Staff

German grammar, reading, oral practice, and poems. For beginners and for students who have had one year of high school German. Classes meet five times per week.

Credit 8 hours, year course.

GE. 2. GERMAN READING AND CONVERSATION

Reading of modern prose; review of grammar; composition. Prerequisite: two years of high school German. Not open to students with credit in GE. 1.

Credit 6 hours, year course.

GE. 3. NINETEENTH CENTURY AND MODERN PROSE

Selected readings of prose literature and review of grammar. Prerequisite: GE. 1 or 2, or three years of high school German.

Credit 6 hours, year course.

GE. 5. SCIENTIFIC GERMAN

Reading and technique of translation of scientific works, for those who wish to use the language as a tool for research in various fields. Prerequisite: GE. 1 or 2, or three years of high school German.

Credit 4 hours, year course.

GE. 9. INTERMEDIATE CONVERSATION AND COMPOSITION

Idiomatic conversation, composition, and building of active vocabulary. Prerequisite: GE. 1 or 2, or three years of high school German. Conducted in German.

Credit 6 hours, year course.

GE. 103. HISTORY OF GERMAN LITERATURE

General survey of German literature from its beginning to the present. Prerequisite: GE. 3 or 9, or permission of the department chairman.

Credit 6 hours, year course.

GE. 106. GERMAN CLASSICISM AND ROMANTICISM

Reading of the major works of German Classicism and Romanticism, and study of the philosophies and literary theories which they represent. Prerequisite: GE. 3 or 9, or permission of the department chairman. Not offered in 1959-60.

Credit 6 hours, year course.

GE. 110. ADVANCED CONVERSATION AND COMPOSITION

Required of all students planning to take the examination in German.
Prerequisite: GE. 9, or permission of the department chairman.

Credit 3 hours, first semester.

GE. 111. NINETEENTH CENTURY DRAMA

Major dramas of Kleist, Hebbel, Grillparzer, Ludwig, and Hauptmann and the dramatic theories which they represent. Prerequisite: GE. 3 or 9, or permission of the department chairman.

Credit 6 hours, year course.

GE. 121. INTRODUCTION TO GERMANIC LINGUISTICS *Mr. Denslow*

Study of the technique of comparative linguistics and relationships of the Germanic dialects to other languages. Prerequisite: GE. 103 or 106 or 111.

Credit 3 hours, first semester.

GE. 122. HISTORY OF THE GERMAN LANGUAGE *Mr. Denslow*

The development of the German language from the first documents to the present day. Prerequisite: GE. 103 or 106 or 111.

Credit 3 hours, second semester.

GE. 123. THE GERMAN LYRIC *Mr. Skidmore*

Studies in German lyric poetry. Prerequisite: GE. 103 or 106 or 111, or advanced standing in German. Not offered in 1959-60.

Credit 3 hours, first semester.

GE. 124. GOETHE'S FAUST *Mr. Skidmore*

Reading of Goethe's *Faust* against the background of Goethe's life, with the study of the growth of the Faust legend and of previous Faust dramas. Prerequisite: GE. 103 or 106 or 111, or advanced standing in German. Not offered in 1959-60.

Credit 3 hours, second semester.

GE. 204. ADVANCED LANGUAGE *Mr. Skidmore*

Designed to give students intensive practice in conversation, diction, and translation. The methods used include oral and written compositions, translations from English into German, and the study of passages from modern German authors for style and shades of expression. Prerequisite: GE. 110, or advanced standing in German. This course is to be taken by German majors in their professional semester.

Credit 3 hours, either semester.

III. RUSSIAN

RU. 1. ELEMENTARY RUSSIAN *The Departmental Staff*

Planned for those students who desire to begin the study of Russian. Introduction to the essentials of Russian grammar, reading, and practice in conversation. Classes meet five times per week. *Credit 8 hours, year course.*

IV. SPANISH

Minor requirement: SP. 3, 9, 37, 103, and 110.

Major requirement: Courses prescribed for the minor, SP. 204, and 3 additional semester hours as advised.

Graduate requirement: SP. 311 and additional semester hours as advised.

The passing of a written examination is required by the Board of Regents of students who desire to teach Spanish. The requisite course to prepare for this examination is SP. 110. Students who wish to take this examination in two modern languages are advised to prepare for one in the junior year.

SP. 1. ELEMENTARY SPANISH

The Departmental Staff

Planned for those who desire to begin the study of Spanish, or for those who have studied Spanish for one year in high school. Introduction to the essentials of Spanish grammar, reading, and practice in conversation. Classes meet five times per week.

Credit 8 hours, year course.

SP. 2. INTERMEDIATE SPANISH

The Departmental Staff

Varied readings in modern Spanish literature; review of grammar; composition; and conversation. Prerequisite: two years of high school Spanish. Not open to students with credit in SP. 1.

Credit 6 hours, year course.

SP. 3. INTRODUCTION TO SPANISH LITERATURE AND CIVILIZATION

The Departmental Staff

Reading and discussion of selections from Spanish novels, dramas and short stories. Review of grammar. Prerequisite: SP. 1 or 2, or three years of high school Spanish.

Credit 6 hours, year course.

SP. 9. INTERMEDIATE CONVERSATION AND COMPOSITION

The Departmental Staff

Based on situations of everyday life and designed to give the student facility in the use of oral and written Spanish. Tape recorder and phonograph records are used in teaching pronunciation and intonation. Prerequisite: SP. 1 or 2 or 3. Qualified students may take SP. 3 and 9 simultaneously.

Credit 4 hours, year course.

SP. 10.* HISPANIC LITERATURE IN ENGLISH TRANSLATION

See courses in Comparative Literature.

SP. 37. SPANISH PHONETICS

The Departmental Staff

Study and analysis of Spanish speech sounds in prose and verse. The course includes drill in conversational speech, intonation, and the analysis of sound production. Extensive use is made of recordings.

Credit 2 hours, either semester.

SP. 103. REPRESENTATIVE SPANISH AUTHORS *Miss MacGonagle*

A survey of the principal movements and influences in the development of Spanish literature from the Middle Ages to the present day, as represented by typical works. Prerequisite: SP. 3. Restricted to juniors and seniors, unless SP. 3 was completed during freshman year. *Credit 6 hours, year course.*

SP. 108. MODERN AND CONTEMPORARY NOVELISTS *Mr. Childers*

A study of the Spanish novel from the rise of the regionalistic writers to the present day. Selected works of leading Spanish novelists are read. Prerequisite: SP. 2 or 3. Not offered in 1959-60. *Credit 3 hours, first semester.*

SP. 110. ADVANCED CONVERSATION AND COMPOSITION

The Departmental Staff

Required of all students who plan to major or minor in Spanish. Prerequisite: SP. 9. *Credit 3 hours, either semester.*

SP. 111. MODERN AND CONTEMPORARY DRAMATISTS *Mr. Childers*

Selected works from the chief nineteenth and twentieth-century Spanish dramatists. Prerequisite: SP. 3. Not offered in 1959-60. *Credit 3 hours, second semester.*

SP. 115A. SPANISH AMERICAN LITERATURE TO 1888 *Mr. Carrino*

A survey of literary movements in Spanish America. Selected readings, lectures, discussions, and reports on collateral readings. Prerequisite: SP. 3 or 9. Restricted to juniors and seniors, unless SP. 3 or SP. 9 was completed during the freshman year. *Credit 3 hours, first semester.*

SP. 115B. CONTEMPORARY SPANISH AMERICAN LITERATURE

Mr. Carrino

A survey of literary movements in Spanish America from 1888 to the present. Selected readings, lectures, discussions, and reports on collateral readings. Prerequisite: SP. 3 or 9. Restricted to juniors and seniors, unless SP. 3 or SP. 9 was completed during the freshman year. *Credit 3 hours, second semester.*

SP. 204. ADVANCED LANGUAGE *Mr. Childers, Mr. Munro*

Designed to give students intensive practice in conversation, diction, and translation. The methods used include presentation of oral and written material, translations from English into Spanish, and the study of passages from modern Spanish authors for style and shades of expression. This course should be taken during the student's professional semester. Prerequisite: SP. 110 or permission of instructor. *Credit 3 hours, either semester.*

SP. 221. DRAMA OF THE GOLDEN AGE *Mr. Munro*

The development of the drama during the sixteenth and seventeenth centuries, with extensive reading of selected plays. Prerequisite: SP. 103. *Credit 3 hours, first semester.*

SP. 222. CERVANTES

Mr. Munro

The chief literary works of Cervantes are studied, with special emphasis on *Don Quijote* and on the *Novelas ejemplares*. Prerequisite: SP. 103.

Credit 3 hours, second semester.

SP. 232. STUDIES IN STYLE

Mr. Childers

Translation of English prose works into Spanish. Examples are selected from a wide variation in style in order to develop a feeling for language. The stylistic difficulties of this course are not treated in other courses of Spanish composition. Prerequisite: SP. 110. Not offered in 1959-60.

Credit 3 hours, second semester.

SP. 235. EVOLUTION OF THE SPANISH LANGUAGE

Mr. Childers

A study of the Classical and Vulgar Latin forms in connection with the general philology of Spanish. Prerequisite: SP. 110.

Credit 3 hours, first semester.

SP. 311. SEMINAR IN SPANISH

The Departmental Staff

A seminar organized to meet the needs of graduate students who desire to accomplish advanced work in Spanish.

Credit 6 hours total, varying from 2 to 4 hours a semester.

MUSIC

Professor Charles F. Stokes, *Chairman*

Associate Professor Karl A. B. Peterson.

Students are encouraged to participate in Chorus and Orchestra on either a credit or a non-credit basis. If registered on a non-credit basis, the course does not count as semester hours on the student program. If completed for credit toward a degree, the semester hours so credited in these performance courses in excess of four (4), must be balanced by semester hours of credit earned in MU. 1, 3, 4, 30, 40, 51, 61, 66, 67.

MU. 1.* MUSIC APPRECIATION

An appraisal of the art of music through directed listening, with illustrations from significant composers. The materials, the instruments and the forms. Designed to meet the needs and experiences of the average music lover. No prerequisite. Not open to students with credit in MU. 2.

Credit 3 hours, either semester.

MU. 3.* HISTORY OF MUSIC

Contributions of the earlier periods of music with their influences on later developments. The story of musical literature, instruments, composers and performers to the Classical Period.

Credit 3 hours, first semester.

MU. 4.* HISTORY OF MUSIC

The development of music from the Classic and Romantic Periods to the present. *Credit 3 hours, second semester.*

MU. 9. VOICE GLASS

Mr. Peterson

Study of the fundamentals of vocal production through vocalises and songs. Classes are limited to small groups to allow individual work. Admission only with the consent of the instructor. *Non-credit course.*

MU. 10. WOMEN'S CHORUS (ELEMENTARY)

Mr. Peterson

Study of choral literature including the classics and modern music. Participation in public concerts and at graduation. Open to acceptable singers. *Two hours rehearsal weekly. Credit 2 hours, year course.*

MU. 11. WOMEN'S CHORUS (INTERMEDIATE)

Mr. Peterson

Continuation of choral study. Preparation of additional repertoire of concert materials. Prerequisite: MU. 10. *Two hours rehearsal weekly. Credit 2 hours, year course.*

MU. 12. WOMEN'S CHORUS (ADVANCED)

Mr. Peterson

Continuation of choral study. Preparation of additional repertoire of concert materials. Prerequisite: MU. 11. *Two hours rehearsal weekly. Credit 2 hours, year course.*

MU. 14. MIXED CHORUS

Mr. Peterson

A choral group of men and women studying standard choral literature and participating in public concerts as the "Collegiate Singers." Open to acceptable singers on either a credit or non-credit basis. *Two hours rehearsal weekly. Credit 2 hours, year course.*

MU. 16. STATESMEN

Mr. Peterson

Special men's vocal group for public performances. Membership by tryout and selection. *Non-credit course.*

MU. 19. INSTRUMENTAL ENSEMBLES

Mr. Stokes

Brass, string, and woodwind groups for special performance. Membership by tryout and selection. *Non-credit course.*

MU. 20. ORCHESTRA (ELEMENTARY)

Mr. Stokes

Study of standard symphonic literature. Open to acceptable players on either a credit or non-credit basis. Instruments are available. *Two hours rehearsal weekly. Credit 2 hours, year course.*

MU. 21. ORCHESTRA (INTERMEDIATE)

Mr. Stokes

Continuation of MU. 20. Open to students who have completed MU. 20 with a satisfactory level of accomplishment. *Two hours rehearsal weekly. Credit 2 hours, year course.*

MU. 22. ORCHESTRA (ADVANCED) *Mr. Stokes*

Continuation of MU. 21. Open to students who have completed MU. 21 with a satisfactory level of accomplishment.

Two hours rehearsal weekly.

Credit 2 hours, year course.

MU. 25. BAND *Mr. Stokes and student leaders*

Performance of standard band literature. The group participates in special student functions. Open to all players.

Non-credit course.

MU. 30. FUNDAMENTALS OF MUSIC *Mr. Stokes*

Elements of notation, keys, scales, rhythms, intervals, chords, dictation, ear training, melody writing, sight singing, and elementary conducting. Not offered in 1959-60.

Credit 3 hours, first semester.

MU. 40. HARMONY *Mr. Stokes*

The structural elements of music. Study of triads, inversions, seventh chords, modulation, harmonization of melodies, suspensions, passing tones, composition. Prerequisite: MU. 30 or equivalent. Not offered in 1959-60.

Credit 3 hours, second semester.

MU. 51.* INTRODUCTION TO OPERA *Mr. Peterson*

A comprehensive study to develop an understanding and appreciation of opera, its origin, evolution, and development in all major countries of the world. No prerequisite. Not open to students with credit in MU. 52.

Credit 3 hours, either semester.

MU. 61.* SURVEY OF VOCAL AND CHORAL MUSIC *Mr. Peterson*

A study of the development of both sacred and secular vocal and choral repertoire including the folk song, art song, and larger choral forms.

Credit 3 hours, second semester.

MU. 66.* SURVEY OF SYMPHONIC MUSIC *Mr. Stokes*

The story of musical instruments and the literature. The growth of the orchestra, symphonic forms, the major symphonies.

Credit 3 hours, first semester.

MU. 67.* SURVEY OF THE CONCERTO AND ENSEMBLE MUSIC *Mr. Stokes*

From the concerto grosso through the modern concerto. The development of ensemble music, the string quartette, chamber music.

Credit 3 hours, second semester.

PHILOSOPHY

Professor Robert F. Creegan, *Chairman*

Associate Professor Alfred B. Glathe.

PL. 1.* INTRODUCTION TO PHILOSOPHY *Mr. Creegan, Mr. Glathe*

An introduction to some major types and problems of philosophy.

Credit 3 hours, either semester.

PL. 2. LOGIC

Mr. Glathe

Basic principles of semantics, deductive logic, and induction.

Credit 3 hours, either semester.

PL. 3. ETHICS

Mr. Creegan

Lectures and reading on major ethical theories, supplemented by the discussion of actual cases of decision-making in private and public life involving theoretical issues.

Credit 3 hours, either semester.

PL. 100.* HISTORY OF IDEAS

Mr. Creegan

An historical appraisal of great thinkers and ideas in Western civilization, from classical to modern times.

Credit 3 hours, either semester.

PL. 111.* THE LIVING RELIGIONS

Mr. Creegan, Mr. Glathe

A survey of institutions, practices, and beliefs in the great living religions.

Credit 3 hours, either semester.

PL. 117.* AESTHETICS

Mr. Creegan

An historical approach to some concepts and problems related to the appreciation, interpretation, and criticism of aesthetic forms. Among the topics to be considered are: definitions of the arts and of the aesthetic experience, form and content, art and language, aesthetic categories, and the cognitive value of aesthetic criticism. Prerequisite. PL. 1 or 100.

Credit 3 hours, either semester.

PL. 200.* CONTEMPORARY THOUGHT

Mr. Creegan

A critical study of present philosophical schools of thought, including Logical Empiricism, Dialectical Materialism, Neo-Scholasticism, and Existentialism.

Credit 2 hours, first semester.

PL. 210. IDEAS IN SCIENCE

Mr. Glathe

The unity and diversity of concepts, methods, and operations in the various sciences. Logical and speculative syntheses of some findings of the several sciences. Science and public affairs.

Credit 2 hours, second semester.

PL. 300. SELECTED PROBLEMS IN PHILOSOPHY (Whitehead)

Mr. Creegan, Mr. Glathe

Directed reading and detailed discussion of books and articles in an area of philosophical interest requiring intensive examination. The topic for 1959-60 is some problems presented by the philosophy of Alfred North Whitehead. Prerequisite: 6 hours in philosophy and consent of the department chairman.

Credit 3 hours, either semester.

PHYSICAL EDUCATION

Associate Professor Merlin W. Hathaway, *Chairman*

Assistant Professors: Joseph Garcia, Isabelle Johnston, Richard J. Sauer, Louise M. Tone.

PE. 1W PHYSICAL EDUCATION FOR FRESHMAN WOMEN

Miss Johnston, Mrs. Tone

A course designed for the evaluation and development of optimal physical condition and motor skill development. The activities covered are those common to the collegiate intramural program, covering team sports, individual sports, and basic rhythms. Postural efficiency and physical safety skills are stressed throughout all phases. Required of all freshman women.

Credit 2 hours, year course.

PE. 2W PHYSICAL EDUCATION FOR SOPHOMORE WOMEN

Miss Johnston, Mrs. Tone

Instructional emphasis is placed on the fundamental skills, techniques and strategies of individual and dual sports activities which form a foundation for the recreational activities of the teacher. Continuing emphasis is placed on the physical conditioning and skill development of the students. Required of all sophomore women.

Credit 2 hours, year course.

PE. 1M PHYSICAL EDUCATION FOR FRESHMAN MEN

Mr. Garcia, Mr. Hathaway, Mr. Sauer

This course is designed to evaluate and develop optimal physical condition and motor skills. The activities emphasized are those common to the collegiate intramural program covering team sports, individual sports and rhythmic skills. Postural efficiency and physical safety skills are stressed throughout the course. Required of all freshman men.

Credit 2 hours, year course.

PE. 2M PHYSICAL EDUCATION FOR SOPHOMORE MEN

Mr. Garcia, Mr. Hathaway, Mr. Sauer

Instructional emphasis is placed on the fundamental skills, techniques and strategies of individual and dual sports activities which form a foundation for the recreational activities of the teacher. Continuing emphasis is placed on the development and maintenance of physical condition plus continuing skill development of the student. Required of all sophomore men.

Credit 2 hours, year course.

PE. 23 OFFICIATING IN COMPETITIVE SPORTS

Mr. Hathaway

Theory and practice in methods and techniques of officiating in sport competitions with special emphasis on football, soccer, basketball, and wrestling. Rule interpretations and their application to high standards of performance and social responsibilities are stressed. Open to men only.

Credit 2 hours, first semester.

PHYSICS

Professor Charles L. Andrews, *Chairman*

Professor: Anne R. Oliver.

Associate Professors: Alfred D. Levitas, Marvin J. Pryor.

Assistant Professors: Richard A. Jongedyk, Robert P. Lanni, Shih Ping Shen.

Minor requirement: PH. 1, 18; 6 semester hours of Physics as advised, CH. 18. (Mathematics including 6 semester hours of calculus is prerequisite to certain of these courses.)

Major requirement (B.S. degree): 27 semester hours in Physics including PH. 1, 18, and 15 additional hours of Physics as advised. A minor consisting of BI. 22, 25, 101, 20 or 106, 119, CH. 18, 106, Earth Science 3 hours as advised.

NOTE: Students who expect to do graduate work in Physics will find it advantageous to elect French or German.

Graduate requirement: One semester of PH. 311 and additional courses as approved.

PH. 1. GENERAL PHYSICS

The Departmental Staff

Study of selected topics in mechanics and properties of matter, heat, sound, light, and electricity.

Two class periods, one laboratory period each week. Credit 6 hours, year course.

PH. 17. INTRODUCTION TO ATOMIC PHYSICS

Miss Oliver

A nonmathematical introduction to atomic physics, including such topics as radioactivity, sub-atomic particles, fission, cosmic radiation, with emphasis on their relation to modern civilization. Demonstrations of important phenomena supplement class discussion. Closed to physics majors and minors.

Credit 2 hours, second semester.

PH. 18. ADVANCED GENERAL PHYSICS

The Departmental Staff

General methods of attack on problems in physics illustrated in dynamics of rigid bodies, elasticity, wave motion, electrodynamics, and heat. Prerequisite: PH. 1, MA. 22 and 23. Separate class sections are provided for students who have completed or are taking concurrently MA. 27.

Two class periods, one laboratory period each week.

Credit 6 hours, year course.

PH. 100. EXPERIMENTAL ELECTRONICS

Designed to give science teachers a background in the theory and operation of electrical devices used as tools in the biological and physical sciences.

Emphasis is placed on the principles of operation and application of vacuum and gaseous tubes and their related circuits, voltmeters, ammeters, bridge methods, photo-electric cells, electron accelerators, cathode ray oscilloscopes, and counters. Open to science major-minors who have completed PH. 1 and 18. Not offered in 1959-60. *Credit 3 hours.*

PH. 102. SPECTROSCOPY AND ATOMIC STRUCTURE *Mr. Shen*

Introduction to the theory of atomic spectra and atomic structure. Prerequisites: PH. 18 and MA. 27. Not offered in 1959-60. *Two class periods, one laboratory period each week. Credit 3 hours.*

PH. 104. ASTROPHYSICS *Mr. Pryor*

A study of physical properties of stars and atoms as revealed by radiation originating in the stellar laboratory. Spectroscopic evidences concerning mass, composition, multiple ionization, magnetism, and velocities of stars are considered. Prerequisite: PH. 1. *Two class periods, one laboratory period each week. Credit 3 hours, second semester*

PH. 116. ADVANCED ELECTRICITY *Mr. Jongedyk*

A study of electric and magnetic fields and their interaction with matter. Alternating current circuits and other applications of theory. Prerequisite: PH. 18 and MA. 27. *Two class periods, one laboratory period each week. Credit 3 hours, first semester.*

PH. 117. RADIO COMMUNICATION

The underlying theory of radio communication, including both transmitting and receiving systems. Prerequisite: PH. 116. *Two class periods, one laboratory period each week. Credit 3 hours, second semester.*

PH. 118. HEAT *Mr. Levitas*

Calorimetry, properties of vapors, kinetic theory, and thermodynamics. Prerequisite: PH. 1 and MA. 26. *Two class periods, one laboratory period each week. Credit 3 hours, second semester.*

PH. 119. METEOROLOGY *Miss Oliver*

The laws of physics applied to the atmosphere, methods of measuring physical conditions and anticipating weather. Stability, air masses and fronts, the atmosphere as a heat engine, atmospheric electricity, radiation and absorption. Prerequisite: PH. 1 and 18. *Credit 2 hours, second semester.*

PH. 200. ATOMIC PHYSICS *Miss Oliver*

Atomic structure and properties, quantum theory, introduction to nuclear physics. Prerequisites: PH. 18, MA. 27. *Two class periods, one laboratory period each week. Credit 3 hours, first semester.*

PH. 201. HISTORY OF PHYSICS

Miss Oliver

Designed to give a perspective of the development of physics through a study of the sources.
Credit 2 hours, first semester.

PH. 202. NUCLEAR PHYSICS

Miss Oliver

Selected topics in nuclear physics, fundamental particles, and cosmic radiation. Prerequisite: PH. 200 or the equivalent.
Credit 3 hours, second semester.

PH. 218. THERMODYNAMICS

Mr. Levitas

Principles of thermodynamics and application of these principles to pure substances. Prerequisite: PH. 118, MA. 28. Closed to students with credit in CH. 260. Not offered in 1959-60.
Credit 3 hours.

PH. 219. MECHANICS

Mr. Levitas

The theory and application of the science of mechanics. Kinematics of point masses, the conservation laws, motion in a central force field, motion in the field of a harmonic restoring force, and the generalization of the principles of particle dynamics to extended objects. Prerequisite: MA. 27 and PH. 18.
Credit 3 hours, first semester.

PH. 311. SEMINAR IN PHYSICS

The Departmental Staff

Conferences, reports, and individual theoretical and experimental work.
Credit 3 or 6 hours, one semester or year course.

PH. 316. ELECTROMAGNETIC WAVES

Mr. Andrews

The nature of X-rays, ultra-violet, visible light, infra-red and microwaves as observed through interference, diffraction and polarization of the waves. Prerequisite or parallel: MA. 227.
Two class periods, one laboratory period each week.

Credit 6 hours, year course.

PH. 319. INTRODUCTION TO RELATIVITY AND QUANTUM MECHANICS

Mr. Levitas

Classical mechanics, special theory of relativity, quantum mechanics. Classical equations of motion in canonical form, the Michelson-Morely experiment and the Lorentz transformation, the uncertainty principle, and the Schrodinger equation. Prerequisites: PH. 219, MA. 28. Prerequisite or co-requisite MA. 227.
Credit 3 hours, second semester.

POLITICAL SCIENCE

(See Social Studies)

PSYCHOLOGY

Professor Morris E. Eson, *Chairman*

Associate Professor: Edwin D. Lawson

Assistant Professor: Norman Greenfeld

Students who plan to pursue a program of graduate study in Psychology are advised to complete the major requirement in either Mathematics or Biology and a substantial amount of work in the other of these fields. In addition to PY. 1, the student is advised to select a sequence of courses from the following:

PY. 101, 130, and 205 for those planning a program in Experimental Psychology.

PY. 127, SO. 132, and PY. 240 for those planning a program in Social Psychology.

PY. 3, 127, and ED. 229 for those planning a program in Developmental Psychology.

PY. 1. INTRODUCTION TO PSYCHOLOGY

An introduction to the basic methods and points of view in the scientific study of human behavior. Among the topics considered are: biological basis of behavior, personality organization, intelligence, motivation, emotions, learning, and social relations. *Credit 3 hours, either semester.*

PY. 3. PSYCHOLOGY OF CHILD DEVELOPMENT

A study of the genesis of various behavior forms; social, emotional, and intellectual development in contemporary society; the relationship between childhood experience and personality development. *Credit 3 hours, either semester.*

PY. 101. HISTORY AND SYSTEMS OF PSYCHOLOGY

The study of the historical development of psychology as a science; the critical analysis of basic writings in the various schools and areas of psychology. Prerequisite: PY. 1 or equivalent. *Credit 3 hours, first semester.*

PY. 127. PERSONALITY

Biological and social determinants of personality and its development; methods of studying personality; the various systems of psychology and their interpretations of personality structure. Prerequisite: PY. 1, or equivalent. *Credit 3 hours, second semester.*

PY. 130. PHYSIOLOGICAL PSYCHOLOGY

A study of the physiology of the nervous system as related to perception, emotion, and the cognitive processes; sensory and motor functions; the role

of physiological mechanisms in the integration of human experience. Prerequisite: PY. 1, or equivalent. *Credit 3 hours, second semester.*

PY. 205. EXPERIMENTAL PSYCHOLOGY

A laboratory course employing experimental procedures in analyzing the workings of the special senses, perception, various kinds of learning, and emotions. Prerequisite: PY. 1 or equivalent.

Two lectures, one laboratory period each week. Credit 3 hours, first semester.

PY. 209. EXPERIMENTAL PSYCHOLOGY IN LEARNING

The study of experimental findings in the field of human and animal learning; theories of learning; problems of generalization, discrimination; transfer of training, retention and extinction, the place of exercise and training in various learning situations; related psychological factors such as motivation, emotion, and perception. Each student is expected to carry through an experimental study in learning, gathering and processing the data, and deriving appropriate conclusions. Prerequisite: PY. 205. *Credit 3 hours, second semester.*

PY. 238. ABNORMAL PSYCHOLOGY

The psychological aspects of behavior disorders, including the study of the psychoses, psychoneurosis, mental deficiencies, and other forms of psychopathology. Prerequisite: 6 hours credit in psychology. Closed to students with credit in ED. 338. *Credit 3 hours, first semester.*

PY. 240. PSYCHOLOGY OF GROUP DYNAMICS

Analysis and evaluation of concepts, hypotheses, techniques, and results of research in group dynamics. The study of the following group processes: communication, decision-making, cooperation and competition, cohesion, social facilitation and inhibition, leadership and group roles. Prerequisite: 6 hours credit in psychology or equivalent. *Credit 3 hours, first semester.*

PY. 241. PSYCHOLOGY AND SOCIAL ISSUES

The advanced study of social behavior. The study of perception, motivation, and performance as influenced by social and cultural forces; attitudes and values; the study of group dynamics and intra-group interaction. Prerequisite: SO. 132 or equivalent. *Credit 3 hours, second semester.*

RUSSIAN

(See Modern Foreign Languages)

SAFETY AND HEALTH EDUCATION

Professor Thomas R. Gibson, *Chairman*

Nurse Assistant Professor Anna E. Love.

HE. 1. PERSONAL HEALTH

Mr. Gibson, Mrs. Love

The science of healthful living as applied to the life of the individual as a college student, prospective teacher, and potential parent.

Credit 2 hours, either semester.

HE. 21. SAFETY AND DRIVER EDUCATION

Mr. Gibson

The problems of safety with reference to automobile operator and pedestrian. Instruction includes both classroom and practice driving phases. Admission with the consent of the instructor. *Does not carry degree credit.*

HE. 22. SCHOOL AND COMMUNITY HEALTH

Mrs. Love

Principles and problems of hygiene and sanitary science and their application to home, school, and community. *Credit 2 hours, either semester.*

HE. 102. HEALTH TEACHING IN THE SECONDARY SCHOOL.

Mr. Gibson

Development of a course of study in health education, principles of health education, aims and objectives, sources and selection of materials, organization of units of study, evaluation of outcomes, articulation with related subjects. Special consideration is given to the New York State health teaching syllabus. *Credit 2 hours, second semester.*

HE. 103. RECREATION LEADERSHIP

Mr. Gibson

Designed to prepare teachers for leadership in the extracurricular activities of the school and in the recreational activities of the community. Topics considered include: the problem of worthy use of leisure; the nature of play and its values; recreation organizations and activities; program planning; leadership for clubs, groups, playgrounds, community centers; and the organization of competitive activities. *Credit 2 hours, first semester.*

HE. 121A. MATERIALS AND METHODS IN DRIVER EDUCATION

Mr. Gibson.

The sequence HE. 121A-B is designed to prepare teachers of driver education for secondary school and adult driver education programs. HE. 121A is devoted to the methods of organizing and teaching driver education. Prerequisites: New York State Operator's License and at least one year of safe driving experience. Admission with the consent of the instructor. *Two class hours, one hour driving practice weekly.*

Credit 2 hours, either semester.

HE. 121B. STUDENT TEACHING IN DRIVER EDUCATION. Mr. Gibson

Classroom and behind-the-wheel phases in the practice teaching of driver education. Lesson planning, testing and evaluation of outcomes, class and group organization. Prerequisite: HE. 121A and the consent of the instructor. *One hour conference and two hours practice teaching weekly.*

Credit 2 hours, either semester.

HE. 200. HEALTH COUNSELING OF THE INDIVIDUAL Mr. Gibson

The orientation of health counseling in the general guidance and counseling program; the responsibilities of teacher, school physician, nurse-teacher, and other school personnel; appraisal of health status and habits by non-medical methods; interpretation of the findings of the health examination and methods of follow-up; the application of the techniques of counseling to guidance in health problems. *Credit 2 hours, second semester.*

SCIENCE

Professors: Charles L. Andrews, Margaret D. Betz, Paul C. Lemon,
Paul A. D. deMaine, Anne R. Oliver, Derk V. Tieszen.

Associate Professors: Peter C. Benedict, Allen H. Benton, Edward
Berg, Lawrence Daly, Richard S. Hauser, Katherine H. Heinig,
Alfred D. Levitas, Arthur O. Long, Marvin J. Pryor, Richard
Smith, John J. Sturm, Hudson S. Winn.

Assistant Professors: Alfred Finkelstein, Richard A. Jongedyk, Robert
P. Lanni, Benjamin Shi Ping Shen, Margaret M. Stewart,
Frederick H. Truscott.

Instructor: Audrey Briggs.

Major-minor requirement: For the A.B. degree.

SC. 1 (or 6 hours as advised); Biology, 12 hours including BI. 22,
25, 101, 106, 119; Chemistry, 12 hours including CH. 18 and 106;
Physics, 12 hours including PH. 1 and 18; MA. 22 and 23 or equiva-
lent. (A minor in Mathematics is desirable but not required.) Students
intending to do graduate work in Biology, Chemistry, or Physics should
complete at least a minor in that science.

SC. 1. GENERAL PHYSICAL SCIENCE *The Departmental Staff*

Fundamental principles of the sciences; development of the major concepts
of matter and energy which underlie Biology, Chemistry, Earth Science, and
Physics.

Two class hours each week, one laboratory period each week.

Credit 6 hours, year course.

SC. 2. GENERAL BIOLOGICAL SCIENCE *Mr. Berg*

Principles of life processes and consideration of the great groups of plants
and animals, with particular attention being directed to the application of
biology to the problems of modern living. Admission with the consent of the
instructor.

Two class hours each week, one laboratory period each week.

Credit 6 hours, year course.

See also Biology, Chemistry, Earth Science, Physics.

SOCIAL STUDIES

Professor Josiah T. Phinney, *Chairman*

Professors: Ralph H. Baker, Harry S. Price, Robert Rienow, Theodore G. Standing (sabbatical leave).

Associate Professors: Kendall A. Birr, Matthew H. Elbow, Howard H. Flierl, Paul F. Wheeler.

Assistant Professors: Frances Cummings, Martha A. Egelston, Donald E. Liedel, Catharine Newbold (sabbatical leave), G. Eugene Rich, William E. Seymour, Sherman D. Spector, David L. Sterling.

Minor requirement: A minimum of 30 hours including HY. 2 or HY. 3, HY. 4, six additional hours of History as advised, PS. 10 or PS. 12, and two of the following: EC. 3, GY. 4, SO. 4.

Major requirement: A minimum of 36 hours including EC. 3, GY. 4, HY. 2 or HY. 3, HY. 4, six additional hours of History as advised, PS. 10 or PS. 12, SO. 4, and either SS. 200 or three hours of electives in Social Studies.

Graduate requirement: Three hours in seminar and additional hours as advised (see page 39).

ECONOMICS

EC. 3. INTRODUCTORY ECONOMICS *Mr. Baker, Mr. Seymour*

A survey of the basic elements of our economic organization followed by an introduction to economic analysis. *Credit 3 hours, either semester.*

EC. 105. ELEMENTS OF FINANCE *Mr. Phinney*

The elements of finance, with main emphasis on the financial problems of the corporation: the nature of the corporation, types of securities, the financing of an enterprise, the disposition of earnings, recapitalization, failure and reorganization. Prerequisite: EC. 3 or consent of the instructor. Designed for commerce majors. *Credit 2 hours, either semester.*

EC. 203. PUBLIC FINANCE *Mr. Phinney*

An introductory consideration of the financial problems of governments: public expenditures, basic kinds of taxes and tax systems, grants-in-aid, public borrowing, debt management and fiscal policy. Prerequisite: EC. 3 or consent of the instructor. *Credit 3 hours, first semester.*

EC. 206. MONEY AND BANKING

Mr. Phinney

The principles of money, of commercial banking, and of central banking, followed by an elementary consideration of issues in the field of monetary policy. Prerequisite: EC. 3 or consent of the instructor. Not offered in 1959-60.

Credit 3 hours, first semester.

EC. 211. LABOR PROBLEMS

Mr. Phinney

The development of the organized labor movement; current issues in the field of labor-management relations; the economic and social aspects of these issues. Closed to students with credit in SO. 206.

Credit 3 hours, second semester.

EC. 232. CONSUMER ECONOMICS

Mr. Phinney

The role of the consumer in our economic order; the influence of custom, of fashion, and of advertising on the buying and consuming pattern; problems faced in buying goods; installment buying; budgets and the planning of expenditures; buying life insurance; buying shelter.

Credit 2 hours, either semester.

EC. 238. INCOME TAX PROCEDURES

(See page 75).

GEOGRAPHY

GY. 3. ECONOMIC GEOGRAPHY

Mr. Cooper, Mr. Mulkerne

Factors and principles necessary to the understanding of the relationships between man and his natural environment; geographical conditions affecting occupations and the distribution of people among occupations; regional aspects of agriculture, mining, forestry, fishing, manufacturing and commercial developments, including transportation and public utilities. Not open to students with credit in GY. 4.

Credit 3 hours, either semester.

GY. 4. INTRODUCTORY GEOGRAPHY

Mr. Flierl

The earth as the home of man; a study of the distribution of population over the earth and a survey of the varied relations developed between man and his physical environment. Not open to students with credit in GY. 3.

Credit 3 hours, either semester.

GY. 106. GEOGRAPHY OF SOUTH AMERICA

Mr. Flierl

The basic human and physical differences among regions of South America which affect economic, social, and political conditions; geographic factors in the development of our political and business policy towards South American countries. Prerequisite: GY. 4 or the consent of the instructor.

Credit 2 hours, first semester.

~~GY. 115. GEOGRAPHY OF NEW YORK STATE~~

~~*Mr. Flierl*~~

~~Geographic factors in relation to economic and social development, community and regional units, inter-regional relationships.~~

~~*Credit 2 hours, second semester.*~~

GY. 204. REGIONAL GEOGRAPHY OF THE UNITED STATES

Mr. Flierl

A systematic treatment of the physical, economic, and cultural geography of the United States; selected regional problems of land utilization and of geographic adjustments; the influence of location on national highways, and of distribution of resources on the life of the people. Prerequisite: GY. 4.

Credit 3 hours, second semester.

GY. 214. POLITICAL GEOGRAPHY

Mr. Flierl

The principles and theories of political geography; geopolitics contrasted with political geography; areal relationships with an analysis of the physical, economic, and cultural geographic factors. Prerequisite: GY. 4.

Credit 3 hours, first semester.

GY. 221. GEOGRAPHY OF ASIA

Mr. Flierl

The lands, peoples, and countries of Asia (including European USSR) with special emphasis on China, USSR, India, Japan, and the Near and Middle East. Prerequisite: GY. 4. Not offered in 1959-60.

Credit 3 hours, second semester.

GY. 304. SEMINAR IN GEOGRAPHY

Mr. Flierl

Designed to meet the needs of graduate students who wish to do work of a research nature in the field of geography. Prerequisite: minor in Social Studies and consent of the instructor.

Credit 3 hours, either semester.

HISTORY

HY. 2. HISTORY OF WESTERN EUROPE

The Departmental Staff

A survey of the political, economic, social, and cultural history of Western Europe from the break-up of the Roman Empire to the present. This course should be taken by freshmen who do not plan to major in Social Studies.

Credit 6 hours, year course.

HY. 3. HISTORY OF WESTERN EUROPE

The Departmental Staff

A survey of the political, economic, social, and cultural history of Western Europe from about 600 to the present. This course should be taken by freshmen who plan to major in Social Studies.

Credit 6 hours, year course.

HY. 4. AMERICAN POLITICAL AND SOCIAL HISTORY

The Departmental Staff

A survey of American History from earliest times to the present with emphasis on the development of our political, constitutional, economic, social, and cultural institutions.

Credit 6 hours, year course.

HY. 101. AMERICAN ECONOMIC HISTORY

Mr. Birr

The development of the American economy and its impact on American life and society. The first semester carries the survey into the second half of

the nineteenth century; the second semester carries it down to the present. Either semester may be taken for credit without the other. Prerequisite: HY. 4.
Credit 3 hours, either semester, or 6 hours, year course.

HY. 117. HISTORY OF THE STATE OF NEW YORK *Mr. Price*

A brief survey of the political, economic and social history of the State of New York with emphasis on the following topics: the establishment of the boundaries of the state; the building of the turnpikes, the canals, and the railroads; the Industrial Revolution; reform movements; the rise of democracy.

Credit 2 hours, either semester.

HY. 120. ANCIENT CIVILIZATIONS *Mrs. Egelston*

A study of ancient peoples with special emphasis upon the cultures developed by the Egyptians, Greeks, Romans, and Chinese. Prerequisite: HY. 2.

Credit 3 hours, first semester.

HY. 121. THE MIDDLE AGES *Mrs. Egelston*

A study of the social, political, and economic institutions developed in Western Europe and China from the barbarian migrations to the Renaissance. Prerequisite: HY. 2.

Credit 3 hours, second semester.

HY. 122A. THE RENAISSANCE AND THE REFORMATION. *Mr. Spector*

The social, cultural, economic, and political developments in Europe during the period from the fourteenth through the seventeenth centuries.

Credit 2 hours, first semester.

HY. 122B. THE ENLIGHTENMENT AND THE FRENCH REVOLUTION

Mr. Spector

The eighteenth century, the French Revolution and Napoleon, with emphasis on social, cultural, and economic developments.

Credit 2 hours, second semester.

HY. 130. THE HISTORY OF ENGLAND *Mr. Liedel*

The first semester deals with the political, constitutional, social, economic, and cultural development of England from early times to 1783. The second semester deals with the development of Greater Britain, the Empire, and the Commonwealth in the period since 1783. Either semester may be taken for credit without the other.

Credit 3 hours, either semester, or 6 hours, year course.

HY. 214. AMERICAN FOREIGN RELATIONS *Mr. Birr*

An historical survey of our relations with other countries from the Revolution to the present with emphasis on the twentieth century; the formulation of American foreign policy and its execution by diplomatic and other means; the role of domestic affairs and of social, cultural, and economic contacts with other countries in shaping our foreign relations. Prerequisite: HY. 4.

Credit 3 hours, second semester.

HY. 220A. EUROPE AND THE FAR EAST, 1914-1939 *Mr. Elbow*

Origins of the First World War; peace treaties; the League of Nations; reparations and disarmament; international pacts; development of Fascism, National Socialism, and Communism; Japan seeks a new order in Asia; symptoms of increasing tension. *Credit 2 hours, first semester.*

HY. 220B. EUROPE AND THE FAR EAST SINCE 1939 *Mr. Elbow*

The Second World War; the occupation of Germany, Italy, and Japan; peace treaties; reconstruction of devastated areas; current political, social, and economic problems. *Credit 2 hours, second semester.*

HY. 223A. EUROPE IN THE AGE OF ROMANTICISM AND REVOLUTION *Mr. Elbow*

The history of Europe during the early nineteenth century with emphasis on the struggle against the Metternich system and the part played by the romantic movement in this struggle. *Credit 2 hours, first semester.*

HY. 223B. EUROPE DURING THE AGE OF REALISM *Mr. Elbow*

The history of Europe during the late nineteenth century with emphasis on industrialism, realism in culture, Darwinism, nationalism, and imperialism. *Credit 2 hours, second semester.*

HY. 233A. HISTORY OF NATIONALISM: PART I *Mr. Elbow*

The nature and development of nationalism to the late nineteenth century, with emphasis on nationalistic ideals and leaders. *Credit 2 hours, first semester.*

HY. 233B. HISTORY OF NATIONALISM: PART II *Mr. Elbow*

The development of nationalism in the late nineteenth century and the twentieth century. Attention is given to the development of dictatorships and to the spread of nationalism from Europe to the rest of the world, particularly to Asia. *Credit 2 hours, second semester.*

HY. 241. AMERICAN HISTORY, 1607-1783 *Mr. Price*

Spanish, French, and English colonization in North America; inter-colonial rivalries; British imperial organization, trade and commerce; the origins of American constitutional and governmental institutions; political, economic, and social developments through the Revolution. Prerequisite: HY. 4. *Credit 3 hours, first semester.*

HY. 242. AMERICAN HISTORY, 1783-1861 *Mr. Sterling*

The period of the Confederation and the formation of the Constitution; the establishing of the new government; the beginnings and the development of political parties; the appearance and growth of sectionalism; the rise of the common man; migration, roads, railroads, communication, and the expansion of the west; the social, political, constitutional, and economic origins of the Civil War. Prerequisite: HY. 4. *Credit 3 hours, second semester.*

HY. 243. AMERICAN HISTORY, 1861-1900 *Mr. Price*

The War and reconstruction; the economic revolution and the new problems of agriculture, business, labor, and government in an era of expanding economic horizons. Prerequisite: HY. 4. *Credit 3 hours, first semester.*

HY. 244. AMERICAN HISTORY, 1900 TO PRESENT *Mr. Price*

The United States as a world power in the age of big business and international anarchy, with emphasis on economic, social, and political conditions arising from wars, depressions, and new ideologies. Prerequisite: HY. 4. *Credit 3 hours, second semester.*

HY. 247. AMERICAN INTELLECTUAL HISTORY *Mr. Birr*

Key ideas in American history, their origin and their impact. Examples of the ideas considered are Puritanism in American life, the American enlightenment, the agrarian tradition, the reform impulse, conservatism and neo-conservatism in American thought, the business mind. The topics considered will be changed from year to year. *Credit 3 hours, first semester.*

HY. 311. SEMINAR IN HISTORY *Mr. Birr, Mr. Elbow*

The methods of historical research. Conferences, discussions, and a seminar paper. Prerequisite: minor in Social Studies and consent of the instructor. *Credit 3 hours, either semester.*

POLITICAL SCIENCE

PS. 10. INTRODUCTION TO AMERICAN GOVERNMENT *Mr. Baker*

The growth and development of the Constitution; the constitutional position of the states and the territories; civil rights, citizenship, and the suffrage; political parties, nominations, and elections; organization, procedure, and powers of the Congress; powers and duties of the President; the administrative departments and independent establishments; the civil service; the national judiciary; the budget system; national revenues; federal regulatory activities. *Credit 6 hours, year course.*

PS. 12. INTRODUCTION TO GOVERNMENT *Mr. Rienow*

Living patterns of government—an analysis of the political process: constitution-making, public opinion, elections, legislation and lobbying, and administration as seen in the operation of the governments of the United States, Great Britain, France, and the Soviet Union. Differences in political philosophies and practices are emphasized. *Credit 6 hours, year course.*

PS. 113. AMERICAN PARTIES AND POLITICS *Mr. Baker*

Policies, methods, and organization of American political parties; the organization, doctrines, and political activities of special interest groups; factors entering into the formation of public opinion. Prerequisite: PS. 10 or PS. 12. *Credit 2 hours, second semester.*

PS. 209. CONSTITUTIONAL LAW

Mr. Baker

The nature of judicial review, separation of powers, civil and political rights, privileges and immunities of citizenship, due process, equal protection, the regulation of commerce. Basic cases will be examined in their historical settings and analyzed in terms of legal or constitutional issues and judicial doctrines. Prerequisite: PS. 10 or PS. 12.

Credit 3 hours, first semester.

PS. 210. GOVERNMENT REGULATION OF BUSINESS

Mr. Baker

The constitutional, administrative, and economic problems growing out of federal regulation of transportation, communication, the extractive industries, and the public utilities. Prerequisite: EC. 3 or PS. 10 or PS. 12. Closed to students who have credit in EC. 202 or PS. 202.

Credit 3 hours, second semester.

PS. 214. GOVERNMENTS OF CONTINENTAL EUROPE

Mr. Rienow

The political forces at work in, and the constitutional arrangements of, the major countries of Western Europe, individually and as a community of nations, followed by an appraisal of the totalitarian system of the Soviet Union. Prerequisite: PS. 12.

Credit 2 hours, first semester.

PS. 215. STATE AND LOCAL GOVERNMENT IN NEW YORK

Mr. Baker

The citizen in relation to his state and local government, governmental organization and operation, intergovernmental relations and administration at the state and local levels. Prerequisite: PS. 10 or PS. 12.

Credit 2 hours, first semester.

PS. 216. THE GOVERNMENT OF GREAT BRITAIN AND THE DOMINIONS

Mr. Rienow

The evolution and operation of the political system in England, the administration of the nationalized industries, and the conduct of the affairs of Empire—forging ties with the changed and growing Commonwealth and its member dominions. Prerequisite: PS. 10 or PS. 12.

Credit 2 hours, second semester.

PS. 261. INTERNATIONAL LAW

Mr. Rienow

The law of nations as evidenced by international documents and by case studies with special attention to the evolution of new principles to fit the modern international order. Prerequisite: PS. 12 or PS. 10.

Credit 2 hours, first semester.

PS. 262. INTERNATIONAL ORGANIZATION

Mr. Rienow

The economic and social problems of the world society and the international agencies established to cope with them. The quest for collective security through the United Nations and regional arrangements. Prerequisite: PS. 12 or PS. 10.

Credit 2 hours, second semester.

PS. 312A. SEMINAR IN POLITICAL SCIENCE

Mr. Rienow

A cooperative study and investigation of a significant area in the field of foreign government or international politics designed to develop techniques of research and organization. Prerequisite: minor in Social Studies and consent of the instructor. *Credit 3 hours, first semester.*

PS. 312B. SEMINAR IN POLITICAL SCIENCE

Mr. Baker

Designed to meet the needs of graduate students who wish to do advanced work in the field of American government. Prerequisite: minor in Social Studies and consent of the instructor. *Credit 3 hours, second semester.*

PS. 313. POLITICAL PROBLEMS OF THE WORLD TODAY *Mr. Rienow*

Selected issues in current affairs: disarmament, atomic power, NATO, the development of Africa, the utilization of resources and of manpower, campaign funds. Prerequisite: PS. 10 or PS. 12. *Credit 2 hours, second semester.*

SOCIAL STUDIES

SS. 200. SELECTED PROBLEMS IN THE SOCIAL STUDIES

Mr. Burr, Mr. Elbow

A critical analysis of selected problems of concern to social scientists. The approach is historical, with an attempt to integrate the major theories and techniques of the Social Studies as applied to some of the problems faced by man in the modern world. For seniors during the half of the professional semester when they are on campus. *Credit 3 hours, either semester*

SOCIOLOGY

SO. 4. INTRODUCTORY SOCIOLOGY

Mr. Rich, Mr. Sterling, Mr. Wheeler

The nature of culture and of human society; personality development, groups and group structure; social institutions and the processes of social change. *Credit 3 hours, either semester.*

SO. 17. CURRENT SOCIAL PROBLEMS

Mr. Wheeler

A consideration of attempts to prevent, to control, or to ameliorate the critical social problems that exist in the America of today. Prerequisite: SO. 4. *Credit 3 hours, first semester.*

SO. 132. SOCIAL PSYCHOLOGY

Mr. Lawson, Mr. Wheeler

Relation between the individual and the group: the influence of culture and of institutions on human personality, the nature and types of leadership, factors in the development of social attitudes, and the psychology of mass movements and of social decisions. *Credit 3 hours, either semester.*

SO. 208. THE COMMUNITY

Mr. Wheeler

The nature of the community, its physical and social structure; the processes of change in various types of communities and problems arising from increasing urbanization; the role of the teacher and the school in the community and the possibilities of democratic community planning. Prerequisite: SO. 4 or consent of the instructor. *Credit 3 hours, first semester.*

SO. 209. THE FAMILY

Mr. Wheeler

The family as a social institution, types of family organization, the family as a socializing agency and its interrelations with other institutions, the impact of social change upon the American family with particular reference to the transition from a rural-agricultural to a predominantly urban-industrial society. Prerequisite: SO. 4, or consent of the instructor.

Credit 3 hours, either semester.

SO. 212. SOCIAL CONTROL

The factors involved in the maintenance of social order and the making of group decisions. The nature of custom, ideology, leadership, public opinion, and other types of control. Special attention is given to the agencies of mass communication and their role in the processes of democratic decision making. Prerequisite: SO. 4, or consent of the instructor. *Credit 3 hours, second semester.*

SO. 304. SEMINAR IN SOCIOLOGY

Conferences, field studies, investigations, and individual assignments, leading to the preparation of a research paper. Prerequisite: minor in Social Studies and consent of the instructor. *Credit 3 hours, first semester.*

SPANISH

(See Modern Foreign Languages)

SPEECH

(See English)

SUMMARY OF ENROLLMENT

SUMMER SESSION AND FALL 1958

	A. B.		B. S.		Men	Women	Total
	Men	Women	Men	Women			
Graduate Students.....					144	77	221
Seniors	84	152	101	87	185	239	424
Juniors	86	145	101	115	187	260	447
Sophomores	114	195	136	151	250	346	596
Freshmen	130	236	141	155	271	391	662
Special					2	14	16
Total Regularly Matricu- lated Students	414	728	479	508	1039	1327	2366
Summer Session 1958					746	622	1368
Extension Fall 1958					449	337	786
Total Enrollment					2234	2286	4520

SUMMARY OF DEGREES COMPLETED

JANUARY, JUNE, AND AUGUST 1958

	January	June	August	Total
	1958	1958	1958	
Master of Arts.....	31	64	35	130
Master of Science.....	16	55	16	87
Master of Science in Library Science....	2	4	8	14
Bachelor of Arts.....	24	157	23	204
Bachelor of Science.....	11	54	10	75
Bachelor of Science—Education.....		1	3	4
Bachelor of Science—Business.....	11	75	7	93
Grand Total	95	410	102	607

INDEX

	PAGE
Admission (Undergraduate)	28
By Transfer	30
Of Normal School Graduates	30
To A.B. Course	28
To B.S. Courses	28
To Graduate Work	46
Ancient Languages, Courses in	62
Art, Courses in	65
Biology, Courses in	66
Business	70
Calendar, College	5
Campus School, The	27
Chemistry, Courses in	76
Commerce. See Business.	
Council, Local College	3
Courses of Instruction	61
Degree, Bachelor's, General Requirements for	33
Degrees:	
A.B., Special Requirements for	37
A.M., Requirements for	39
B.S., Special Requirements for	38
M.S., Library Science	44
Dormitories. See Residence Halls.	
Earth Sciences, Courses in	82
Economics, Courses in	137
Education, Courses in	82
English, Courses in	98
Expenses, Estimate of	57
Extension Teaching	23
Faculty	7
Fees	57
French, Courses in	118
Freshman Week	53
General Information	20
Geography, Courses in	138
German, Courses in	121
Government, Courses in	142
Graduate Instruction	39
Greek, Courses in	62

	PAGE
Health, Courses in	134
History of the College	20
History, Courses in	139
Honors, in English	36, 99
Honors, Final	36
Humanities, Interdepartmental, Courses in	80
Introduction to College	108
Latin, Courses in	62
Librarianship, Courses in	109
Libraries	26
Location of the College	25
Map, City of Albany (College Section)	6
Mathematics, Courses in	114
Merchandising, Courses in	70
Modern Foreign Languages	117
Museum of Natural History	27
Music, Courses in	125
Philosophy, Courses in	127
Physical Education, Courses in	129
Physics, Courses in	130
Placement	55
Political Science, Courses in	142
Practice Teaching	85, 89
Principals' Certificates	51
Psychology, Courses in	133
Reading Rooms	26
Residence Halls	25
Safety and Health Education, Courses in	134
Scholarships, University	58
Science, Courses in	136
Social Studies, Courses in	137
Sociology, Courses in	144
Spanish, Courses in	123
Speech, Courses in	98
Student Loan Funds	58
Student Self Help	59
Summer Session, The	23
Trustees of the University	2
University Scholarships. See Scholarships.	
Veteran, The	60
Withdrawals, Attendance	32

STATE UNIVERSITY OF NEW YORK

Central Administrative Office: Albany 1, N. Y.

LIBERAL ARTS COLLEGE

Harpur College at Endicott

MEDICAL COLLEGES

State University Downstate Medical Center in New York City
State University Upstate Medical Center in Syracuse

TEACHERS COLLEGES

State University College for Teachers at Albany
State University Teachers College at Brockport
State University College for Teachers at Buffalo
State University Teachers College at Cortland
State University Teachers College at Fredonia
State University Teachers College at Geneseo
State University Teachers College at New Paltz
State University Teachers College at Oneonta
State University Teachers College at Oswego
State University Teachers College at Plattsburgh
State University Teachers College at Potsdam

OTHER PROFESSIONAL COLLEGES

State University College of Forestry at Syracuse University
State University Maritime College at Fort Schuyler
State University College on Long Island at Oyster Bay
State University College of Ceramics at Alfred University
New York State College of Agriculture at Cornell University
New York State College of Home Economics at Cornell University
New York State School of Industrial and Labor Relations at Cornell University
New York State Veterinary College at Cornell University

AGRICULTURAL AND TECHNICAL INSTITUTES

State University Agricultural and Technical Institute at Alfred
State University Agricultural and Technical Institute at Canton
State University Agricultural and Technical Institute at Gobleskill
State University Agricultural and Technical Institute at Delhi
State University Agricultural and Technical Institute at Farmingdale
State University Agricultural and Technical Institute at Morrisville

COMMUNITY COLLEGES

(Locally-sponsored two-year colleges under the program of State University)

Auburn Community College at Auburn
Bronx Community College at New York City
Broome Technical Community College at Binghamton
Corning Community College at Corning
Dutchess County Community College at Poughkeepsie
Eric 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
Queens Community College at New York City
Staten Island Community College at New York City
Westchester Community College at Valhalla

59
60
1959-1960

STATE UNIVERSITY OF NEW YORK

COLLEGE FOR TEACHERS AT ALBANY