

1944

# 1944-1945 Southern Illinois Normal University Bulletin

Southern Illinois State Normal University

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**SOUTHERN  
ILLINOIS  
NORMAL  
UNIVERSITY**

**BULLETIN  
1945-1946**





STATE OF ILLINOIS  
DWIGHT H. GREEN, GOVERNOR

# Southern Illinois Normal University Bulletin

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VOLUME XXXIX

CARBONDALE, ILLINOIS, JULY, 1945

NUMBER 3

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ANNUAL CATALOG  
WITH  
ANNOUNCEMENTS  
FOR  
1945-1946

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STATE OF ILLINOIS  
DWIGHT H. GREEN  
GOVERNOR

SOUTHERN ILLINOIS NORMAL UNIVERSITY  
Established 1874

TEACHERS COLLEGE BOARD

Frank G. Thompson.....Director of Registration and Education  
Ex-Officio Chairman

Vernon L. Nickell.....Superintendent of Public Instruction  
Ex-Officio Secretary

APPOINTED MEMBERS

Miss Harriett A. McIntire.....Mendota  
John D. Dill.....Carbondale  
Charles E. McMorris.....Marshall  
Mrs. Helen R. Pegelow.....Mattoon  
Dr. Preston Bradley.....Chicago  
Lindell W. Sturgis.....Metropolis  
Russell L. Guin.....Danville  
Richard F. Dunn.....Normal

\* \* \*

Elmer P. Hitter, Co-ordinator.....Springfield

# CALENDAR

1945-46

## Fall Term, 1945

1945

Sept. 10-11	Monday-Tuesday	Registration
Sept. 12	Wednesday	Instruction begun
Nov. 22-23	Thursday-Friday	Thanksgiving recess
Nov. 28-30	Wednesday-Friday	Final Examinations

## Winter Term, 1945-46

Dec. 3	Monday	Registration
Dec. 4	Tuesday	Instruction begun
Dec. 22	Saturday	Christmas recess begun

1946

Jan. 7	Monday	Instruction resumed
March 6-8	Wednesday-Friday	Final Examinations

## Spring Term, 1946

March 11	Monday	Registration
March 12	Tuesday	Instruction begun
April 13	Saturday	Spring recess begun
April 22	Monday	Instruction resumed
June 4-6	Tuesday-Thursday	Final Examinations
June 7	Friday	Seventy-First Annual Commencement

## ADMINISTRATION

Chester F. Lay, Ed.B., M.A., C.P.A., Ph.D.....President  
Helen A. Shuman, M.A.....Administrative Assistant to the President  
Mabel Pulliam..Executive Assistant in Administration and Education  
Wanda Ruth Kiel, B.Ed.....Acting Secretary to the President

\* \* \*

Eugene R. Fair, Ph.D.....Dean of the College of Education

\* \* \*

T. W. Abbott, Ph.D.....Director of Extension  
Lorena Drummond.....Director of Publicity  
Edward V. Miles, Jr., M.A.....Business Manager  
Marjorie Shank, M.A.....Registrar  
Arthur J. TerKuerst, Ph.D.....Dean of Men  
Lucy K. Woody, M.A.....Dean of Women

## FACULTY

1945-46

*Date indicates first year of service with the Faculty.*

*Asterisk indicates those who were members of the faculty when they entered government service other than military at the dates indicated and whose return is naturally uncertain.*

## University

CHESTER F. LIAY (1945).....*President,  
Professor of Educational and Personnel Administration*  
Ed.B., Illinois State Normal University; M.A., University of  
Chicago; C.P.A., Texas; Ph.D., University of Chicago.

T. W. ABBOTT (1928) *Professor of Chemistry, Director of Extension*  
A.B., Indiana University; A.M., Harvard University; Ph.D., Uni-  
versity of Illinois.

ORVILLE ALEXANDER (1938) *Associate Professor of Government*  
B.Ed., Southern Illinois Normal University; M.A., Ph.D., Uni-  
versity of Iowa.  
Leave of absence for work with Illinois Legislative Council,  
1945-46.

JOHN W. ALLEN (1942) *Instructor, Acting Director of the Museum*

GLADYS W. BABCOCK (1939) *Assistant Professor of Home Economics*  
B.S., M.S., University of Minnesota.  
Additional graduate work, Colorado State College, Fort Collins.

LOUISE BACH (1934) *Assistant Professor, University High School*  
A.B., Illinois Wesleyan; A.M., University of Illinois.

WILLIAM M. BAILEY (1914) *Professor of Botany, Head of Department*  
A.B., B.S., Campbell College; M.S., Ph.D., University of Chicago.

HELEN A. BALDWIN (1918) *Associate Professor of Foreign Languages*  
*Emerita, 1945*  
A.B., Denison; A.B., University of Chicago; A.M., Denison.  
Additional graduate work, 1 semester.

JULIA MINNETTE BARBER (1936) *Assistant Professor of English*  
*Director of Anthony Hall*  
B.A., M.A., University of Illinois.  
Additional graduate work, 2 years, Northwestern University; Uni-  
versity of Chicago; University of Arizona.

FRANCES BARBOUR (1925) *Associate Professor of English*  
A.B., A.M., Washington University.  
Additional graduate work, 2 years, Kings College, University of  
London; Radcliffe; University of Texas.



- MARY LOUISE BARNES (1929) *Assistant Professor of Home Economics*  
A.B., University of Illinois; M.S., Iowa State College.  
Additional graduate work, George Peabody College for Teachers; University of Illinois.
- SHERMAN B. BARNES (1935) *Associate Professor of History*  
A.B., Columbia University; Ph.D., Cornell University.
- THOMAS F. BARTON (1935) *Professor of Geography, Head of Department*  
B.Ed., Illinois State Normal University; Ph.M., University of Wisconsin; Ph.D., University of Nebraska.
- E. L. BORKON (1939) *Associate Professor of Physiology and Hygiene, Associate College Physician*  
B.S., Ph.D., M.D., University of Chicago.  
Entered U. S. Armed Forces, January 5, 1942.
- HOWARD E. BOSLEY (1937) *Associate Professor of Education Director of the Library*  
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University; residence work completed for Ed.D. Columbia University.
- EMMA L. BOWYER (1912) *Professor of English, Head of Department*  
A.B., A.M., University of Chicago.  
Additional graduate work, University of Chicago, 1 year.
- GEORGE BRACEWELL (1931) *Director, Rural Education Associate Professor*  
B.Ed., Southern Illinois Normal University; A.M., University of Michigan; residence work for Ph.D. completed, University of Michigan.
- \*HARRY G. BRAINARD (1937) *Associate Professor of Economics*  
B.S., M.S., University of North Carolina; Ph.D., University of Illinois.  
Entered Government Service, September, 1942.
- A. FRANK BRIDGES (1943) *Instructor, University High School*  
B.Ed., Southern Illinois Normal University; M.A., University of Iowa.
- W. O. BROWN (1914) *Professor, Superintendent of Rural Training Schools, Emeritus (1936)*  
A.B., Dixon College.  
Graduate work, University of Wisconsin; Columbia University; University of Chicago.
- T. L. BRYANT (1918) *Assistant Professor of Commerce*  
B.Ed., Southern Illinois Normal University; A.M., University of Iowa.

- V. A. BUBOLTZ (1937) *Assistant Professor of Commerce*  
B.S., Iowa State Teachers College; M.A., Northwestern University.  
Additional graduate work, Northwestern University, 1 semester.  
Entered U. S. Armed Forces, April, 1944.
- WINIFRED BURNS (1939) *Assistant Professor of English*  
A.B., M.A., University of Illinois. Bread Loaf School of English.  
Additional graduate work, University of Chicago, 1 year.
- FRED CAGLE (1938) *Assistant Professor*  
B.Ed., Southern Illinois Normal University; M.S., Ph.D., University of Michigan.  
Entered U. S. Armed Forces, August, 1943.
- DELIA CALDWELL (1921) *Assistant Professor,  
College Physician, Emerita (1935)*  
M.D., Northwestern University.
- STEWART C. CHANDLER (1940) *Consulting Entomologist*  
B.S., in Agriculture, University of Wisconsin; Field Entomologist, Illinois Natural History Survey.
- W. G. CISNE (1916) *Professor, Director of Placements  
Emeritus, 1945*  
Southern Illinois Normal University; Ph.B., University of Wisconsin; A.M., University of Chicago.
- LAWRENCE E. CLARK (1945) *Associate Professor*  
A.B., Drake University; A.M., Ohio State University; Ph.D., Columbia University.
- LULU R. CLARK (1917) *Assistant Professor Allyn Training School  
Emerita, 1940*  
Southern Illinois Normal University; University of Chicago; Teachers College, Columbia University.
- ELIZABETH A. COX (1920) *Assistant Professor of English*  
A.B., A.M., additional graduate work, University of Kansas.
- FLEMIN W. COX (1929) *Associate Professor of Geography  
Emeritus, 1945*  
A.B., A.M., University of Illinois.  
Additional graduate work, 2 years, University of Illinois; Clark University.
- \*C. H. CRAMER (1931) *Associate Professor of History*  
A.B., B.S. in Ed., A.M., Ph.D., Ohio State University.  
Entered Government Service, September, 1942.
- DOROTHY R. DAVIES (1939) *Associate Professor of Physical  
Education for Women, Acting Head of Department*  
B.S., University of Cincinnati; M.A., Teachers College, Columbia University; Ed.D., University of Cincinnati.
- J. CARY DAVIS (1930) *Associate Professor of Foreign Languages*  
B.Ed., Southern Illinois Normal University; the Sorbonne; A.M., Ph.D., University of Chicago.



- FLORENCE E. DENNY (1929) *Assistant Professor of Physiology and Hygiene, School Nurse*  
 B.Ed., Southern Illinois Normal University; graduate, School of Nursing, Beth-El Hospital, Colorado Springs; M.A., Teachers College, Columbia University.
- VINCENT G. DIGIOVANNA (1929) *Associate Professor of Physical Education for Men*  
 B.P.E., Springfield College; M.A., New York University; Ph.D., New York University.  
 Entered U. S. Armed Forces, June, 1943.
- J. W. DILLOW (1934) *Assistant Professor of Rural Education*  
 B.Ed., Southern Illinois Normal University; M.A., University of Illinois; residence work for D.Ed. completed, Teachers College, Columbia University.  
 Entered U. S. Armed Forces, July, 1943.
- LORENA DRUMMOND (1945) *Director of Pubilicity*  
 B.A., University of Texas.
- ROBERT W. ENGLISH (1940) *Assistant Professor of Industrial Education*  
 B.S., James Millikin University; M.A., University of Illinois. Additional graudate work, 1 year, St. Louis University; Washington University.  
 Entered U. S. Armed Forces, March, 1944.
- MARY E. ENTSMINGER (1922) *Associate Professor Allyn Training School*  
 Southern Illinois Normal University; Ph.B., University of Chicago; M.A., Teachers College, Columbia University.
- FRANCES D. ETHERIDGE (1925) *Assistant Professor of Physical Education for Women*  
 A.B., B.S., University of Illinois; M.A., Ohio State University.  
 Entered U. S. Armed Forces, June, 1943.
- EUGENE R. FAIR *Professor and Dean of the College of Education*  
 B.S., Northeast Missouri State Teachers College; M.A., Columbia University; Ph.D., State University of Iowa; post-doctoral study, University of Minnesota.
- ROBERT DUNN FANER (1930) *Associate Professor of English*  
 A.B., Allegheny College; M.A., University of Iowa; residence work for Ph.D. completed, University of Pennsylvania.  
 Entered U. S. Armed Forces, April 24, 1942.
- JEAN FLIGOR (1941) *Instructor, Rural Training School*  
 B.Ed., Southern Illinois Normal University; M.A., Northwestern University.  
 Entered U. S. Armed Forces, April, 1944.
- WILLIAM FREEBERG (1942) *Instructor, Physical Education*  
 B.Ed., Southern Illinois Normal University; M.S., University of Illinois.



ELBERT FULKERSON (1932) *Assistant Professor,  
University High School*  
B.Ed., Southern Illinois Normal University; M.A., University  
of Illinois.

WILLARD M. GERSBACHER (1936) *Associate Professor of Zoology,  
Head of Department*  
B.Ed., Southern Illinois Normal University; A.M., Ph.D., Uni-  
versity of Illinois.

M. ALBERTA GIBBONS (1921-3; 1928) *Assistant Professor,  
University High School*  
A.B., University of Illinois; A.M., Columbia University.  
Additional graduate work, University of Chicago, Northwestern  
University.

WANDA NEWSUM GUM (1916-22; 1935) *Assistant Professor of  
Sociology*  
B.Ed., Southern Illinois Normal University; M.A., Washington  
University; Ed.D., New York University.

DILLA HALL (1924) *Assistant Professor  
Dean of Boys, University High School*  
B.Ed., Southern Illinois Normal University; M.S., University of  
Chicago; residence work for Ph.D. completed, St. Louis Uni-  
versity.

EMERSON HALL (1929) *Associate Professor of Rural Education*  
B.Ed., Southern Illinois Normal University; M.S., University of  
Michigan; Ph.D., George Peabody College for Teachers.

GOLDA D. HANKLA (1938) *Instructor, Librarian*  
B.Ed., Southern Illinois Normal University; M.A., B.S., in L.S.,  
University of Illinois.

J. W. HARRIS (1939) *Associate Professor of English*  
B.S., M.A., Ph.D., University of Illinois.

REBA HARTLEY (1942) *Instructor, Physiology and Hygiene*  
B.S. in Nursing, Washington University; M.S. in Public Health.  
University of Minnesota.  
Entered U. S. Armed Forces, January, 1943.

MARIE A. HINRICHS (1935) *Professor of Physiology and Hygiene,  
Head of Department, College Physician*  
A.B., Lake Forest College; Ph.D., University of Chicago; M.D.,  
Rush Medical College.  
Additional graduate work, 4 years.

- LEONARD J. KEEFE (1940) *Instructor, University High School*  
B.Ed., Illinois State Normal University; M.A., Colorado State  
College of Education.  
Entered U. S. Armed Forces, September, 1943.
- THELMA L. KELLOGG (1929) *Associate Professor of English*  
B.A., M.A., University of Maine; A.M., Ph.D., Radcliffe College.  
Additional graduate work, Oxford University.
- FLORENCE R. KING (1911) *Instructor, Allyn Training School,*  
*Emerita (1936)*  
State Normal and Training School, Oswego, New York; Uni-  
versity of Minnesota; University of Chicago.
- GRACE E. KITE (1941) *Instructor, Librarian*  
B.S., Northwestern University; M.A., Teachers College, Columbia  
University; B.S., in L.S., Library School, University of Illinois.
- EDITH SMITH KRAPPE (1929) *Assistant Professor of English*  
A.B., A.M., University of Iowa.  
Additional graduate work, 1 year, Indiana University; University  
of Minnesota.
- ANNEMARIE E. KRAUSE (1930) *Assistant Professor of Geography*  
B.S., University of Minnesota; M.S., University of Illinois.  
Residence work for Ph.D. completed, University of Chicago.
- DOUGLAS E. LAWSON (1935) *Professor of Education*  
A.B., M.A., Colorado State Teachers College; Ph.D., University of  
Chicago.
- E. G. LENTZ (1914) *Professor of History*  
*Director, Clint Clay Tilton Library*  
A.B., Indiana University; A.M., University of Illinois.
- AUDREY HILL LINDSEY (1941) *Instructor, University High School*  
B.Ed., Southern Illinois Normal University; M.S., University of  
Michigan.  
Additional graduate work, Northwestern University.
- LELAND P. LINGLE (1927) *Associate Professor of*  
*Physical Education*  
B.Ed., additional work, 1 year, Southern Illinois Normal Uni-  
versity; M.A., University of Iowa.
- C. C. LOGAN (1923) *Assistant Professor, University High School*  
B.S., University of Illinois.  
Additional graduate work, University of Illinois.
- WILLIS E. MALONE (1941) *Instructor, Rural Training Schools*  
B.Ed., Southern Illinois Normal University; M.A., Northwestern  
University.  
Additional graduate work, Northwestern University.

- WILLIAM M. MARBERRY (1939) *Assistant Professor of Botany*  
B.Ed., Southern Illinois Normal University; M.A., additional  
graduate work, 1 year, University of Illinois.  
Entered U. S. Armed Forces, January 30, 1942.
- WENDELL MARGRAVE (1929) *Assistant Professor of Music*  
B.Ed., Southern Illinois Normal University; A.M., University of  
Chicago; Ph.D., Cornell University.  
Entered U. S. Armed Forces, August, 1943.
- GLENN MARTIN (1938) *Associate Professor of*  
*Physical Education for Men, Director of Athletics*  
B.Ed., Southern Illinois Normal University; M.A., University of  
Iowa.
- HELEN E. MATTHES (1920) *Instructor in Music*  
Chicago Musical College; Bohlman School of Music; Juilliard  
School of Music.
- JOHN R. MAYOR (1935) *Professor of Mathematics,*  
*Head of Department*  
B.S., Knox College; M.A., University of Illinois; Ph.D., Univer-  
sity of Wisconsin.
- CHARLES ROCKWELL MCCREIGHT (1938) *Instructor in Education*  
A.B., M.A., University of Illinois.  
Entered U. S. Armed Forces, October, 1943.
- W. C. McDANIEL (1939) *Associate Professor of Mathematics*  
B.S., Kansas State College; M.Ph., Ph.D., University of Wis-  
consin.
- EDWARD C. McDONAGH (1940) *Assistant Professor of Sociology*  
A.B., A.M., Ph.D., University of Southern California.  
Entered U. S. Armed Forces, April, 1944.
- DAVID S. MCINTOSH (1927) *Associate Professor of Music,*  
*Head of Department*  
B.M.E., additional graduate work, 1 year, Northwestern Uni-  
versity; M.A., University of Iowa.
- ELSIE PARRISH MCNEILL (1933) *Instructor, Rural Training Schools*  
B.Ed., Southern Illinois Normal University; M.A., University of  
Illinois.
- ELIZABETH MEEHAN (1941) *Instructor Allyn Training School*  
B.Ed. Southern Illinois Normal University; M.A., University  
of Illinois.
- BRUCE W. MERWIN (1927) *Professor of Education*  
A.B., B.S. in Education, A.M., Ph.D., University of Kansas.



- EDWARD V. MILES, JR. (1919) *Associate Professor of Economics,  
Business Manager*  
B.Ed., Southern Illinois Normal University; M.A., additional  
graduate work, 1 year, St. Louis University.
- SINA M. MOTT (1936) *Assistant Professor of Pre-School Education*  
A.B., Iowa State Teachers College; M.A., Ph.D., New York Uni-  
versity.
- R. E. MUCKELROY (1911) *Professor of Agriculture,  
Head of Department, Emeritus, 1945*  
B.S., University of Illinois; M.S., University of Wisconsin.
- DOROTHY M. MUZZEY (1928) *Assistant Professor of Physical  
Education for Women*  
B.A., Iowa State Teachers College; A.M., University of Illinois.  
Additional graduate work, 1 year, New York University.
- HELEN LOUISE NARBER *Assistant Professor, Allyn Training School*  
B.S., M.S., State University of Iowa.  
Additional graduate work, University of Chicago.
- J. W. NECKERS (1927) *Professor of Chemistry,  
Head of Department*  
A.B., Hope College; M.S., Ph.D., University of Illinois.
- JULIA NEELY (1926) *Associate Professor of English*  
A.B., A.M., Washington University.  
Additional graduate work, 2 years, Kings College, University of  
London; New York University; St. Louis University.
- ANNA KLASSEN NEUFELD (1945) *Instructor in Foreign Language*  
B.A., Bethel College; M.A., University of Kansas; residence work  
completed for Ph.D., University of Chicago.
- SUSIE OGDEN (1931) *Assistant Professor of Commerce*  
B.Ed., Southern Illinois Normal University; M.A., University of  
Illinois.  
Additional graduate work, one year, Columbia University; Uni-  
versity of Tennessee.
- DELMAR W. OLSON (1940) *Assistant Professor of Industrial Education*  
B.S., Iowa State College; M.A., additional graduate work, Ohio  
State University.
- CHARLES J. PARDEE (1929) *Assistant Professor of History*  
A.B., Hiram College; B.D., Union Theological Seminary; A.M.,  
additional graduate work, 1 year, University of Chicago.
- \*JOHN B. PARRISH (1939) *Assistant Professor of Economics*  
A.B., Ph.D., University of Illinois.  
Entered Government Service, August, 1942.
- DOUGLAS F. PARRY (1942) *Instructor*  
B.A., M.A., University of Utah; Ph.D., Syracuse University.  
Entered U. S. Armed Forces, April 28, 1943.

- CHARLES PATERSON 1936) *Assistant Professor,  
University High School*  
Carnegie Conservatory of Music, Dunfermline, Scotland; Chicago  
Conservatory of Music; Cincinnati Conservatory of Music; B.Ed.,  
Southern Illinois Normal University.
- VERA LOUISE PEACOCK (1930) *Professor of Foreign Languages,  
Head of Department*  
A.B., A.M., Ph.D., Cornell University.  
Foreign study, University of Grenoble; University of Perugia;  
Institute de Phonétique; University of Mexico.
- LOUIS PETROFF (1942) *Assistant Professor of Sociology*  
B.A., University of Wisconsin; M.A., Ph.D., University of South-  
ern California.
- WILLIAM NEAL PHELPS (1941) *Associate Professor,  
University High School*  
B.Ed., Southern Illinois Normal University; M.A., University of  
Illinois; Ed.D., Colorado State College of Education, Greeley,  
Colorado.
- FRANCES PHILLIPS *Instructor*  
B.Ed., Southern Illinois Normal University; M.A., Teachers Col-  
lege, Columbia University.
- LLOYD J. PHIPPS (1941) *Instructor, University High School*  
B.S., M.S., University of Illinois.
- J. M. PIERCE, A.B., A.M. (1892-4; 1899) *Associate Professor of  
German, Emeritus (1935)*  
A.B., Washington University; A.M., Harvard.
- \*ESTHER M. POWER (1929) *Associate Professor of English*  
A.B., Colby College; A.M., Columbia University; B.A., (Honors),  
M.A., Oxford University; Ph.D., University of Chicago.  
Entered Government Service, February, 1943.
- J. R. PURDY (1929) *Associate Professor of Mathematics*  
B.S., M.A., Kenyon College; Ph.D., University of Illinois.
- TED R. RAGSDALE (1925) *Professor of Education*  
B.Ed., Southern Illinois Normal University; M.A., University of  
Illinois; Ph.D., St. Louis University.
- HARVES C. RAHE (1944) *Assistant Professor of Commerce*  
B.S., Indiana State Teachers College; M.A., Teachers College,  
Columbia University; residence work for Ed.D. completed, In-  
diana University.
- VICTOR RANDOLPH (1935) *Assistant Professor of Education*  
B.Ed., Southern Illinois Normal University; A.M., Teachers Col-  
lege, Columbia University; Ph.D., George Peabody College for  
Teachers.  
Entered U. S. Armed Forces, July, 1943.



- EVELYN DAVIS RIEKE (1937) *Instructor*  
*Dean of Girls, University High School*  
 B.S., A.M., University of Illinois.  
 Sabbatical leave of absence, 1945-46.
- LULU D. ROACH (1930) *Assistant Professor of Art*  
 Southern Illinois Normal University; Ph.B., University of Chicago; additional study, University of Chicago, 1 year; Fine Arts School, Washington University, 1 semester; Washington University, 1 year.
- ORA ROGERS (1928) *Assistant Professor, Allyn Training School*  
 B.Ed., Southern Illinois Normal University; A.M., University of Illinois.
- HOMER C. ROSE (1941) *Instructor in Industrial Education*  
 B.S., Stout Institute; M.S., Iowa State University.  
 Additional graduate work, New York University.  
 Entered U. S. Armed Forces, 1944.
- MADGE TROUTT SANDERS (1924) *Assistant Professor,*  
*University High School*  
 B.Ed., Southern Illinois Normal University; A.M., University of Chicago.  
 Additional graduate work, University of Southern California; University of Chicago; St. Louis University; and New York University.
- WILLIAM B. SCHNEIDER (1936) *Associate Professor of English*  
 A.B., A.M., University of Illinois; Ph.D., University of Chicago.
- J. HENRY SCHROEDER (1923) *Professor of Industrial*  
*Education, Head of Department*  
 B.Ed., Southern Illinois Normal University; M.S., University of Iowa.
- MARTHA SCOTT (1929) *Assistant Professor of Zoology*  
 A.B., Park College; M.S., University of Chicago.  
 Additional graduate work, 3 years, University of Chicago, University of California.  
 Entered U. S. Armed Forces, December, 1944.
- R. A. SCOTT (1923) *Professor of Chemistry*  
 B.S., M.S., Ph.D., University of Illinois.
- MELVIN J. SEGAL (1937) *Assistant Professor of Economics*  
*Acting Head of Department*  
 A.B., Amherst College; M.A., Ph.D., University of Illinois.
- SHELBY S. SHAKE (1944) *Assistant Professor, University High School*  
 B.S., Indiana State Teachers College; M.S., Indiana University.
- MARJORIE SHANK (1923) *Associate Professor of Geography, Registrar*  
 A.B., University of North Dakota; A.M., Clark University.  
 Additional graduate work, 1 year, London School of Economics, St. Louis University, Clark University.



ESTHER SHUBERT (1940-42, 1943) *Assistant Professor, Librarian*  
B.Ed., Eastern Illinois State Teachers College; B.S. in L.S., M.S.,  
University of Illinois.

HELEN A. SHUMAN (1945) *Associate Professor*  
*Administrative Assistant to the President*  
B.Ed., Illinois State Normal University; M.A., University of Illi-  
nois; residence work for Ph.D. completed, Northwestern Uni-  
versity.

GEORGE W. SMITH (1890) *Professor of History, Emeritus (1935)*  
Cook County Normal School.  
A.M. (Honorary), Blackburn College.

GLADYS L. SMITH (1931) *Assistant Professor*  
*University High School*  
B.Ed., Southern Illinois Normal University; M.A., Teachers Col-  
lege, Columbia University; residence work for Ph.D. completed,  
University of Iowa.

\*MADELEINE M. SMITH (1929) *Assistant Professor*  
*of Foreign Languages*  
A.B., A.M., Northwestern University.  
Additional graduate work, Sorbonne, University of Chicago,  
Middlebury College French School, 1 year.  
Entered Government Service, April, 1943.

MAE TROVILLION SMITH (1919-1931; 1943) *Instructor of English*  
A.B., A.M., Indiana University.  
Additional graduate work, George Peabody College for Teachers.

ZITA SPRADLING (1944) *Instructor, University High School*  
B.S., M.S., University of Illinois.

HELEN RUTH STARCK (1944) *Instructor, University High School*  
B.S., University of Illinois.  
Additional graduate work, University of Illinois; Colorado State  
College.

JEAN STEHR (1944) *Instructor, Physical Education for Women*  
B.S., Texas State College for Women; residence work for M.A.  
completed, Texas State College for Women.

HILDA A. STEIN (1925) *Associate Professor of Zoology*  
B.Ed., Southern Illinois Normal University; M.S., University of  
Illinois; additional graduate work, 2 years, Ohio State University;  
Oceanographic Laboratory, University of Washington; Univer-  
sity of Illinois.

CHARLES H. STINSON (1943) *Associate Professor of Agriculture*  
B.S., M.S., Ph.D., University of Illinois.

MARJORIE W. STULL (1942) *Instructor, Librarian*  
B.Ed., Southern Illinois Normal University; B.S. in L.S., Univer-  
sity of Illinois.  
Additional work, 1 year.

- DOROTHEA SWAN (1945) *Assistant Professor of Art*  
A.A., Stephens College; B.F.A., Art Institute of Chicago; M.A., University of Chicago; additional work in art and education, Stephens College, Pennsylvania Academy of Fine Arts, Art Institute of Chicago, University of Chicago.
- WILLIS G. SWARTZ (1930) *Professor of Government*  
*Head of Department*  
B.A., M.A., Ph.D., University of Iowa.  
Additional graduate work, Clark University.
- HARLEY R. TEEL (1935) *Assistant Professor as Principal of*  
*Brush Training School*  
B.Ed., Southern Illinois Normal University; A.M., additional graduate work, 1 year, University of Illinois.
- CHARLES D. TENNEY (1931) *Professor of English and Philosophy*  
A.B., Gooding College; A.M., Ph.D., University of Oregon.
- ARTHUR J. TERKEURST (1945) *Associate Professor, Dean of Men*  
A.B., Hope College; M.S., Ph.D., Northwestern University; post-doctoral study, University of Chicago.
- WELLINGTON A. THALMAN (1929) *Professor of Education*  
A.B., Ellsworth College; A.M., Ph.D., Cornell University.  
Additional graduate study, University of Chicago, 1 year.
- MADELYN SCOTT TREECE (1937-38; 1940) *Instructor,*  
*Allyn Training School*  
B.Ed., Southern Illinois Normal University; M.A., University of Chicago.
- EMERSON S. VAN CLEAVE (1938) *Instructor in Music*  
B.M., DePauw University; M.S. in Education, Indiana State Teachers College.
- K. A. VAN LENTE (1931) *Associate Professor of Chemistry*  
A.B., Hope College; M.S., Ph.D., University of Michigan.
- \*JOSEPH VAN RIPER (1939) *Assistant Professor of Geography*  
A.B., University of Michigan; A.M., Syracuse; Ph.D., University of Michigan.  
Entered Government Service, June, 1942.
- RUBY VAN TRUMP (1928) *Assistant Professor, Allyn Training School*  
B.S. in Education, Southwest Missouri State Teachers College; A.M., George Peabody College for Teachers.
- FLOYD V. WAKELAND (1939) *Associate Professor of Music*  
B.Mus., Illinois Wesleyan University; M.Mus., Bush Chicago Conservatory.  
Additional study with vocal teachers and choral conductors, 2 years.



F. G. WARREN (1913) *Professor of Education, Head of Department*  
A.B., McKendree College; A.M., University of Chicago; residence  
work for Ph.D. completed, St. Louis University.

RICHARD E. WATSON (1940) *Assistant Professor of Physics and*  
*Astronomy*  
B.Ed., Southern Illinois Normal University; M.A., Ph.D., Uni-  
versity of Illinois.  
Entered U. S. Armed Forces, 1943.

WALTER B. WELCH (1938) *Associate Professor of Botany*  
A.B., Wabash College; M.S., Ph.D., University of Chicago.

FLORENCE A. WELLS (1927) *Assistant Professor, University*  
*High School*  
B.Ed., Southern Illinois Normal University; A.M., University of  
Illinois.

GLADYS POTTER WILLIAMS, M.A. (1917) *Professor of Art, Head of*  
*Department, Emerita (1942)*  
Graduate, Pratt Institute; Ph.B., Potomac University; M.A.,  
University of Cincinnati. Additional work Chicago Art Institute;  
Breckenridge School of Painting; figure painting under Charles  
Hawthorne.

LUCY K. WOODY (1911) *Professor of Home Economics, Head of*  
*Department, Dean of Women*  
B.S., M.A., Teachers College, Columbia University.

ALICE KELSEY WRIGHT (1925) *Assistant Professor of Mathematics*  
A.B., Indiana University; A.M., University of Illinois.

JOHN I. WRIGHT (1925) *Associate Professor of History*  
Ph.B., A.M., additional graduate work, University of Chicago.

O. B. YOUNG (1929) *Professor of Physics and Astronomy,*  
*Head of Department*  
A.B., Wabash College; A.M., Ph.D., University of Illinois.

CHARLOTTE ZIMMERSCHIED (1927) *Assistant Professor of Physics*  
*and Astronomy*  
A.B., A.M., University of Minnesota.  
Additional graduate work, 1 year, University of Chicago, Colum-  
bia University, St. Louis University.

### Assistants In Administration and Education

CORNELIA L. BEACH (1937) *Purchasing Agent*  
B.Ed., Southern Illinois Normal University.

AILEEN DAVIS (1944) *Secretary to the Business Manager*

LUCILE ETHERTON (1943) *Bursar*

BEULAH HAWTHORNE (1944) *Assistant to the Purchasing Agent*



MABEL PENRY HOWELL (1939)	<i>Chief Accountant</i>
B.Ed., Southern Illinois Normal University.	
NAOMI MANERING (1942)	<i>Faculty Assistant</i>
R.N., Holden Hospital School of Nursing.	
MARY LOU MCNEILL (1944)	<i>Assistant Registrar</i>
B.S. in Ed., Southern Illinois Normal University.	
LOUISE O'NEIL (1943)	<i>Faculty Assistant</i>
R.N., Cook County Hospital.	
VERNA PORTER (1943)	<i>Assistant to the Chief Accountant</i>
CARL TROBAUGH (1942)	<i>Manager of the Bookstore</i>

## AFFILIATED PRACTICE SCHOOLS

Responsibility of employment is that of the local board with assistance  
as to salary provided by S.I.N.U.

### Brush

MAE L. FOX (1924)	<i>Instructor, Brush Training School</i>
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University; additional graduate work, University of Chicago.	
TINA GOODWIN (1925)	<i>Instructor, Brush Training School</i>
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University; additional graduate work, 1 year, Teachers College, Columbia University; University of Chicago; University of Tennessee.	
MAUDE MAYHEW (1924)	<i>Instructor, Brush Training School</i>
Ph.B., University of Chicago; M.A., Teachers College, Columbia University.	
JEWELL TRULOVE (1930)	<i>Instructor, Brush Training School</i>
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University.	
GRACE WILHELM (1924)	<i>Instructor, Brush Training School</i>
B.Ed., Southern Illinois Normal University; M.A., Teachers College, Columbia University.	

### Rural

LUCILLE HARTLEY FLIGOR (1944)	<i>Rural Education</i>
MABEL SICKMAN LANE (1943)	<i>Rural Education</i>
B.Ed., Southern Illinois Normal University; M.S. in Ed., University of Illinois.	

## Location and Campus

Southern Illinois Normal University is located in Carbondale, one of the leading towns of Southern Illinois. The city of Carbondale is a rail road center of some importance and is easily accessible from all directions by either rail or highway facilities. Moreover, the town is situated in the great fruit-growing area of the section and the orchards, south of Carbondale in particular, in blossom time, present scenes of surpassing beauty. In normal times travellers come from far and near to see these beauties.

The University campus proper, at present, occupies twenty acres on the southern fringe of the city. Here are located eight large buildings in which the work of the University is carried on. On the south east side of the campus is the McAndrew Memorial Stadium which affords splendid athletic and recreational grounds.

Two years ago the University opened the University Cafeteria, an attractive dining-room where excellent food may be obtained at nominal cost. So popular is the cafeteria already that it has become an institution not only for the benefit of the student body, but for the citizens of Carbondale as well.

The University farm occupies seventy-two acres south of the campus. Here a regular program of scientific and enlightened farming is carried on under the direction of the Department of Agriculture of the University.

Not to be overlooked are the more recent extensions of land accruing to the University. These include Thompson Woods, the plot for the new Training School, the Alexander Conservation Unit, and certain properties along Harwood and Grand Avenues. Accordingly the University campus proper and all of its accessions cover something over 180 acres, and some 400 acres are now being acquired.

## Academic Standing

Scholastic standards at the University have been maintained throughout the years so that SINU is now recognized and approved by several educational agencies. The University is fully accredited by the North Central Association and is on the approved list of the American Association of Teachers Colleges. The University of Illinois awards to this institution annually a scholarship for graduate study. Alumni of Southern also pass directly into other leading graduate and professional schools.

Women graduates of SINU holding degrees are eligible for national membership in the American Association of University Women.

## History

Southern Illinois Normal University was founded as an institution of higher learning to encourage teacher training in downstate Illinois in the years following the Civil War. No other group realized



the essential value of such a school any more than the teachers themselves. Consequently school teachers, principals, and superintendents played an active part in the establishing of the school.

In 1869 the State Legislature authorized the establishing of the school, and in the next year an appropriation was made for the construction of a building. The legislative grant was augmented by contributions from the citizens of Jackson County where the College was to be located.

By 1874 the three-story structure that was to house the new normal school was finished, and on July 1, the history of the State-supported higher education in Southern Illinois began with the dedication of the building and the inauguration of Dr. Robert Allyn as first president. A summer session in 1874 opened the instructional work of the school. Fifty-three students attended. The first regular term, starting on September 7, had approximately 150 students enrolled.

The history of the University since 1874 has been one of merit and enlargement. The enrollment has mounted from fifty-three students to over two thousand in pre-war years. Southern Illinois Normal University is now one of the largest teacher training institutions in the United States. The faculty has grown from nine members to one hundred fifty resident teachers. That preparation of the teaching staff has improved is evinced by the fact that one-third of the faculty now hold the Doctor of Philosophy degree or its equivalent. Whereas the College in 1874 had only one building, today there are eight.

Recognition for the College was attained during the administration of Mr. Henry W. Shryock (1913-35). In 1928 Southern Illinois Normal University was accredited by the American Association of Teachers Colleges, and three years later it was placed on the fully accredited list of the North Central Association of Colleges and Secondary Schools.

Certain splendid achievements came to the university under the able administration of the late Mr. Roscoe Pulliam whose untimely death occurred in March, 1944. His leadership witnessed the revision of the curriculum, enlargement of the faculty, creation of a Department of Sociology, revitalization of the Museum, expansion of Wheeler Library, beautification of the campus, dedication of a new stadium in 1938. The college was signally honored in 1939 when it was named as the only college in this area to cooperate with the Commission on Teacher Education in the national project for the improvement of teacher training.

Mr. Pulliam's regime was further marked by the acquisition of additional land, appropriation of money by the State Legislature for the proposed new training school, and the authority of the University to expand its functions in the fields of Liberal Arts and Sciences and Vocational training with the appropriate degrees, in addition to the training of teachers. With the beginning of the summer session of 1944, Southern inaugurated a program of graduate work leading to the Master of Science in Education Degree for the teachers of Southern Illinois.



Throughout the war years SINU has served its country well. Aside from sending hundreds of men into the Armed Forces, many of whom have died for the cause and many others of whom have received distinguished honors of various kinds, Southern on the home front aided in the nationwide university training program for the Army Air Corps Cadets. During 1943-44, 1019 cadets along with their commanding officers were adequately housed by the University and satisfactorily trained by the resident faculty.

In January, 1945, Dr. Chester F. Lay, Professor of Business Administration at the University of Texas, accepted the position of the presidency of Southern. Dr. Lay comes to the school well qualified for the labors which lie ahead of him. Under his able leadership, the University will no doubt achieve even greater usefulness and win even greater honors for the people whom it serves.

## **STUDENT LIFE**

### **Activities**

A university campus is a small social unit. The following paragraphs present, for convenient reference, the various activities and organizations that supplement the regular courses of study at Southern Illinois Normal University and denote the busy life and the many cultural advantages of the educational year.

### **Assembly**

A public assembly is held once each week, on Tuesday at ten o'clock. The programs are widely varied, including lectures and special music. Faculty members, students, and guest speakers participate.

This assembly with its infusion of ideas and various cultural offerings by visitors to the campus supplements the regular class work in practically all departments.

### **Athletics**

The athletic program has been adjusted to suit the present war emergency. The University has been able to carry on, and will continue to do so, such activities as are possible while the majority of men students are away from the campus.

### **Dramatics and Forensics**

Under the direction of faculty and student sponsorship of the Little Theater group, dramatics at SINU has reached a place of prominence and cultural value. At least two plays are presented each year.

In normal times also under the supervision of the faculty, oratory and debate hold an important place. Representatives in the past were

sent to various Intercollegiate Debate and Oratorical contests. These activities will be resumed as soon as the university enrollment, especially of men, may again warrant such procedure.

### Co-operative Concert Series

In addition to the various musical entertainments offered by the University, each student at SINU may be admitted to the Carbondale Co-operative Concert Series on his activity ticket. This program brings to the campus many illustrious musicians. Among those who appeared here the past year were the Platoff Don Cossacks, Helen Howe, Robert Weede, and Zino Francescatti.

### Music Organizations

Musical activities at Southern have assumed a real artistic and professional standing. The McDowell Club, the Madrigal Singers, the Girls' Chorus, the orchestra and the band are known throughout the entire section of Southern Illinois. The special concerts at Christmas time and at Easter, and on other occasions at the University are indicative of the high order of excellence achieved by proper training of talented young people. These organizations are open to all students who desire to take part in such work.

During the summer sessions music festivals are held in the fields of choral, instrumental, and folk music with outstanding conductors at the Giant City State Park.

### Radio Programs

A radio studio is located on the campus. Programs originating at this studio are broadcast by remote control over radio stations WJPF in Herrin and WEBQ in Harrisburg. Under the supervision of the Speech and Publicity Departments a weekly program is broadcast on Wednesday at 2:00 P. M. over WEBQ. Known as the SINU Hour, this feature has become an important voice for the campus since 1939. The Rural Education Department sponsors a weekly program, "Education Time", which is broadcast over WJPF each Friday at 2:00 P. M.

### Student Publications

The student publications are the *Egyptian*, a weekly newspaper, and the *Obelisk*, a yearbook. The editors are student journalists, and staff memberships are open on trial to all students.

### Student Social Life and Self-Government

Each year the student body elects members from each class to serve on the Student Council. The Council acts as a policy-making body for student activities, dealing with such problems as elections,



social functions, student health, and permanent improvements. Through the Council, members of the student body are recommended to serve on some standing committees of the University, thereby integrating student and administration points of view. The Council is active also in public affairs affecting the University.

Other student organizations include national and local professional fraternities, religious groups, literary societies, student cooperatives, social fraternities, departmental or special interest clubs, and honorary organizations. These are listed and described in detail in the "Southern Style" booklet issued to each student upon his first enrollment.

### Student Religious Life

Students are urged to identify themselves at an early date after entering the University with some church of the city. It is assumed, of course, that the student will affiliate with the church to which he belongs at home, or with which he is most in sympathy as to doctrine and modes of worship.

While Southern Illinois Normal University is a non-sectarian institution, there are two religious foundations maintained by churches especially for students of various denominations. The foundations carry on extensive programs of social and educational activities, including some courses of study for which the University has accepted credit toward graduation.

### Alumni Association

The Alumni Association is the general organization of the alumni of Southern Illinois Normal University. Any graduate or former student is invited to become a member. The *Southern Alumnus* is the quarterly publication of the Association. For information concerning the organization, please write to the Secretary of the Alumni Association, Southern Illinois Normal University.

### Southern Illinois Normal University Foundation

At the meeting of the Teachers College Board on December 15, 1941, the Board approved the establishment of the Southern Illinois Normal University Foundation, a non-profit corporation affiliated with the University, authorized by law to receive gifts, buy and sell and administer property, and otherwise serve the University.

Under the constitution of the Foundation the Executive Committee of the Alumni Association appoints nine of the directors of the new Foundation; three are chosen from the membership of the Teachers College Board; and the President of the University, and the chairman of the Teachers College Board are ex-officio members.

Mr. John D. Dill, Mr. Lindell Sturgis, and Mr. Vernon L. Nickell are the representatives of the Teachers College Board. Other members of the Board of the Foundation are Mr. Ed. Stotlar, Marion; Mrs. Preston L. Wettaw, Eldorado; and Mr. John Page Wham, Cen-



tralia. The remaining members are to be appointed before the opening of the fall term.

The Foundation has been chartered under the laws of the State of Illinois, and has already entered on its work.

## SPECIAL SERVICES

### Veterans Service

This service has been organized to meet the special needs of students who are veterans, to assist them in filing claims, to advise them during training, and to help obtain employment when the educational program has been completed.

To this service the veteran should first go for information concerning his benefits under Federal and State Laws and to receive necessary directions for securing these benefits, for entering the school and for contacting personnel concerned with his progress thereafter.

### Federal Assistance for Veterans of World War II

*The G. I. Bill or Servicemen's Readjustment Act, Public Law Number 346.* This bill provides for eligible veterans free training generally equal to one year plus the time of military service, provided the total does not exceed four years. It allows all such essential school expenses as tuition; books and supplies; and in addition a subsistence allowance, if the applicant is without dependents, of \$50 a month, or, if he has dependents, of \$75 a month.

*Public Law 16, Rehabilitation for Disabled Veterans.* This bill provides up to four years of free training, including all essential school expenses, necessary medical assistance, and a subsistence allowance of \$92 a month, plus \$11.50 for a wife and \$5.75 for each child. The training goal is adapted to the individual veteran and expert assistance is given in determining his aptitudes.

### State Aid for Veterans

*The Military Scholarship.* Any person who served in the army, navy or marine corps of the United States, not including members of the Student Army Training Corps, during World War I or any time between September 16, 1940, and the termination of World War II who, at the time of entering upon such service, was a resident of this state, and who has been honorably discharged from such service, and who shall possess all necessary entrance requirements shall, upon application and proper proof, be awarded a Normal School Scholarship.

Any person who served as above stated, and who at the time of entering upon such service was a student at any State Normal School, and who was honorably discharged from such service shall, upon application and proper proof be entitled to finish and complete his course of study at such institution without tuition and matriculation

charges, but such person shall not be entitled to more than four years of gratuitous instruction, being a maximum of \$320.00.

*The Governor's Committee for Veterans Rehabilitation and Employment.* This Committee will assist any veteran, but gives maximum aid to the ex-service man or woman with impaired health or with limited physical abilities. Such a person may receive at State expense vocational training and education, plus health restoration and prosthetic appliances. After proper training, employment assistance is given.

Any further information concerning services to veterans may be obtained from the Director of the Veterans Information Service, Southern Illinois Normal University.

### Veterans Administration Guidance Center

Southern has been chosen as the location for the Veterans Administration Guidance Center in Southern Illinois because of its excellent facilities in testing and its convenient location in the thirty-four counties involved. The purpose of the center is to offer vocational guidance to the veteran of this region eligible for training under Public Law 16, and to assist him in planning his vocational rehabilitation. All veterans discharged with a vocational handicap are eligible for this service. All other veterans who are eligible under Public Law 346 may have this service if they so desire. Mr. W. R. Pinkerton of the Veterans Administration has been placed in charge of the office.

### University Credit for Military Service

Southern Illinois Normal University is following the policies recommended by the American Council on Education relative to college credit for military experience and for experience in civilian activities related to the war as recommended in the "Guide to the Evaluation of Educational Experiences in the Armed Forces."

Credit not to exceed twelve quarter hours may be granted to an individual for the basic training course ordinarily consisting of thirteen weeks in the Armed Forces. This credit is to be assigned to physical education, hygiene, military training or electives. If a student already has credit in these subjects, the amount will be somewhat less.

Credit may be allowed through the United States Armed Forces Institute in several ways. An individual may take the General Educational Development Examination given by the Institute, and may be considered for classification in the University as indicated by his standing in the examination.

Upon completion of an extension course given by a recognized college or university in cooperation with the Institute, credit will be allowed in the usual manner.

The Institute has provided a wide offering of regular college subjects. Subject examinations are given at the close of the courses, and have been standardized for a considerable number of subjects.



Credit will be allowed toward graduation on the basis of these examinations as recommended in the "Guide to the Evaluation of Educational Experiences in the Armed Forces."

Competence in technical or vocational fields may be demonstrated by examinations by the United States Armed Forces Institute, provided the fields correspond to the vocational and technical subjects for which credit is regularly granted on the campus. An individual may take examinations also for credit in a subject field such as mathematics, physics, mechanics, or a foreign language, and secure appropriate credit.

Credit for military experience may be obtained only by regularly enrolled students or those who have been in attendance before entering the armed services.

### **Programs of Study for War Veterans**

The University offers programs of study in three colleges: four-year courses in the College of Liberal Arts and Sciences, leading to the degree of Bachelor of Arts or Bachelor of Science, and opening the door to many professions; four-year courses in the College of Education leading to the degree of Bachelor of Science in Education and five-year courses, primarily in that college leading to the Master of Science in Education, and enabling the graduate to teach in the elementary and high schools; and short courses or four-year courses in the College of Vocations and Professions not necessarily leading to degrees, but in which the degrees, Bachelor of Science and Bachelor of Arts may be secured. Typical fields of employment for which the University trains are such as these:

#### *Agriculture:*

General farming.

#### *Chemistry:*

Industrial Positions. (An industrial chemist requires about two years of study.)

#### *Commerce:*

Typist; stenographer; secretary; court reporter; accountant; inventory or stock clerk; salesman; office manager.

#### *Economics:*

Government positions.

#### *Education:*

Programs of study to prepare for teaching any grade or any high school subject.

#### *Fine and Applied Arts:*

Professional art; ceramics; weaving; advertising art.

#### *Foreign Language:*

Translator; foreign representative of business house; government representative; secretary of foreign correspondent.

#### *Geography and Geology:*

Government positions (meteorologist, for instance) in Departments of Agriculture, Commerce, and State.



*Government:*

Government positions.

*Home Economics:*

Dressmaking; cooking; dietetics; interior decorating.

*Industrial Education:*

Machinist; engine lathe operator; draftsman.

*Mathematics:*

Scientific positions necessitating a knowledge of higher mathematics—statisticians, for instance.

*Music:*

Professional musician.

*Physics:*

Government and industrial positions.

*Physiology and Health:*

Dietitians for hospitals, doctors' assistants and hospital orderlies, public health and public school nurses, physical therapy aids, laboratory technicians and hospital aids.

*Pre-Professional Study:*

For dentistry, engineering, law, medicine, nursing, pharmacy, social work.

*Sociology:*

Social work (Graduates of this curriculum are qualified to take the merit examination for social work in Illinois.)

*Zoology:*

Technicians in bacteriology.

## Student Employment

The *Student Employment Service* is conducted to assist students to earn a part of their expenses, although it is impossible to guarantee work to every applicant. Prospective students who expect to earn any part of their expenses, and who do not have definite appointments to positions before coming to college, should have means of support for at least one term. Two programs of work are available: State and private.

State employment provides some part-time work in the following projects: clerical and stenographic work; assistance in offices, libraries, laboratories, the museum, and the engineering department; campus beautification; and research and economic surveys. Previously enrolled students who have proved their ability are usually chosen for these positions.

Private employment is sometimes secured by the students themselves, but requests for student help often come to the campus. These calls are continuous throughout the year and usually require immediate placements. Students interested in this kind of work must register with the Student Employment Service at the beginning of each term.

Requests for application forms should be made either to the Dean of Men or to the President's Office. Each applicant is urged to call at the Student Employment Service for an interview and to learn about employment possibilities.

For information as to graduate assistantships, see page 53.

### University Health Service

Special attention is given to the health of the students. The Health Department was established in 1920-21, and was placed in the hands of a graduate physician of wide experience in general practice and research. The physician is assisted by three registered graduate nurses who aid in caring for cases of illness in the school and in helping to carry out such quarantine measures as are necessary.

All possible precautions are taken to prevent illness, and every provision is made for the comfort of the sick. The physician in charge has offices in the school, keeping office hours, during which any student may have the benefit of diagnosis and advice on any medical point. Instruction will be given about the care of the health and methods of treating cases of simple illness. A limited amount of hospitalization and medical care is provided for all resident students.

Every effort is made to guard against communicable diseases. But when such cases are detected they are promptly excluded from school, in accordance with the requirements of the State Department of Public Health.

A thorough annual physical examination is given every student who registers in the University. This is a required part of the school work. A complete health record is kept for each student. The record includes the health history, the result of physical examinations, and information concerning the health during the residence of the student at the University.

Related to the University's Health Service is the regular work in Physical Education and participation in supervised games required of all students. The provision of the well-equipped gymnasium and athletic field is of great value in promoting the health and physical vigor of the University students.

### Awards, Benefits and Loans

*State scholarships* are awarded each year through the Office of the State Superintendent of Public Instruction. Graduates of recognized high schools who are in the highest quarter of their graduating classes are certified by their principals or county superintendents to the Superintendent of Public Instruction, who may award scholarships to the highest ranking graduates who signify their intentions to prepare to teach. Each of these scholarships is valued at \$80 annually, or \$320 for four years and is acceptable at any Illinois Normal University or Teachers College. This covers the student's tuition, activity, and other fees, but does not include laboratory, supplies, and mate-



rials fees. Holders of these scholarships must apply for admission to the College of Education not later than August 15 of the year in which the scholarship is awarded.

The *Illinois Educational Benefit Act* provides academic fees, board, room, book rental, and supplies for children in the State of Illinois of veterans of World War I or II who were killed in action after December 1, 1941, or who died from other causes in World War I or World War II. The maximum allowance is \$150 a year. Orphans of Soldiers, Sailors, and Marines who are not less than sixteen or more than twenty-two years of age are eligible to receive these benefits. Applications should be made to Mr. Frank G. Thompson, Director of the Department of Registration and Education, Springfield, Illinois.

For information as to Military Scholarships and rehabilitation, see "War Veterans Service."

*Vocational Rehabilitation*—Under the State Board for Vocational Education is a division for the vocational rehabilitation and placement in remunerative employment of persons whose capacity to earn a living is or has been impaired. This will include those with physical handicaps of various kinds. Approved students receive all registration and tuition fees, book rental, and school supplies for nine months a year.

Persons who wish to consult with a representative are welcome to call at the Carbondale Field Office located at 219½ West Main Street. Students from other parts of the State now receiving training through the State of Illinois Division of Vocational Rehabilitation may consult with the local Field Agent by appointment. Phone Carbondale 324. The services of this office are also available to returning service men and women.

*The University Loan Fund.* A maximum loan of \$35 is available to any student who has established a satisfactory record for at least one term. This fund is controlled by the Business Manager, Dean of Women, and Dean of Men.

A *Student Investment Fund* has been created by the *Carbondale Rotary Club* for the benefit of S. I. N. U. men who may be in urgent need of money for the completion of their university course. Loans are available in units of \$30 per term and repayable without interest within five months after the applicant has secured gainful occupation. Selection of applicants is based upon financial need, character, scholastic standing, and qualities of leadership.

The *Carbondale Lions Club* has made available through its *Student Loan Fund* financial aid sufficient to pay the tuition of four male students for each term of the regular school year. These loans are made without interest for a period not exceeding one year. The recipient need not be a senior, but must signify his intention to secure employment not later than the September following the date of the loan.



*The Charles Neely Scholarship Award.* The local chapter of the American Association of University Professors awards annually a prize of \$25 to a member of the junior class who has a high scholastic average.

*The Betty Rhodes Memorial Scholarship.* The Alpha Delta Chapter of Delta Sigma Epsilon sorority and its alumnae established the Betty Rhodes Memorial Scholarship of \$30 in the fall of 1937. It is awarded to a sophomore non-sorority girl having qualities of personality, leadership, and high scholastic standing.

*The Elizabeth Martin Gift.* The American Association of University Women has a loan fund of \$600, one hundred of which is called the Elizabeth Martin Gift to the A. A. U. W. Loan Fund. This money may be borrowed without interest the first year and after that at three per cent. Upperclassmen and graduate students have preference. Applications should be made to Minnette Barber.

*The June Vick Memorial Fund.* Chapter 878 of Beta Sigma Phi Sorority has established the June Vick Memorial Fund open to junior and senior girls to the extent of tuition for three to six months. The applicant must not be a member of a sorority. The legal note, which covers tuition only, is to be repaid beginning six months after the student secures a position. If it is not repaid within one year, interest will be added at 4%.

*Parent-Teachers Scholarship Fund.* The Illinois Congress of Parents and Teachers has provided a fund of \$200 to be known as the Congress Scholarship Fund and to be awarded to a junior or senior on the basis of scholastic standing, character, and financial need. A condition of the award is that the recipient must come from a high school which maintains an active Parent-Teachers Association recognized by the Congress. Applications for this scholarship should be made to the Dean of Women or the Dean of Men.

*Student Health Loan Fund.* Through the generosity of a local physician, a loan fund has been established from which an emergency loan may be secured for the payment of emergency medical or surgical bills. Applicants should apply personally to the Student Health Service.

## Anthony Hall

Anthony Hall, the Women's Building, was opened in 1913. Every possible provision has been made for the comfort, safety, and well-being of the residents. The Hall has been newly redecorated and refurnished.

The residence hall will accommodate seventy-six women. There is an almost equal number of double and single rooms. Each room is provided with hot and cold water. All linens are furnished, but the student may supply her own curtains, spreads, and one pair of double blankets. A fully equipped infirmary is located on the first floor.

A charge of \$8 a week is made for board and room at Anthony Hall. The University reserves the right to change to a higher rate if it becomes necessary. A reservation fee of \$5 must accompany each application for a room, and this deposit will under no circumstances be refunded. This fee is applied on the first month's room and board. Applications for rooms should be sent to the Director of the Hall.

### Other Student Homes in Carbondale

Much of a student's success depends upon the conditions at his boarding and rooming place. He must have not only fresh air, pure water, wholesome food, even temperature, and good light in his study room, but also favorable conditions for study and for sleep.

A detailed set of regulations designed to protect the interests of householder and students alike is furnished to each householder and should be secured from the Dean of Men or the Dean of Women by each student. The Deans keep in touch regularly with the householders of all rooming places and cooperate with them.

The following four modes of living are practiced by the students:

1. Board and room in the same house. The cost of board and room is from \$6 to \$8 a week.
2. Rooms with light-housekeeping. Students who practice light-housekeeping are able to reduce their living expenses to a cost as low as \$5.00 a week.
3. Rooms without the privilege of light-housekeeping. Such rooms, two persons to the room, cost \$2 to \$2.50 per week per person.
4. Cooperatives. Under this plan, students have found that they get better meals, in some cases at lower cost, than under a light-housekeeping arrangement.

Except in unusual cases, best results are secured when not more than two occupy a room. The student must secure permission from the Dean if he wishes to occupy a room as one of more than two people.

Many serious complications will be avoided if students will consult a Dean before engaging rooms. Some houses now open to students are not recommended.



## GENERAL INFORMATION

### Admission to the University

Graduates of any recognized four-year high school or academy with fifteen units of secondary work may be admitted to any curriculum of any college. The recognized schools of Illinois are listed in the School Directory, published annually by the Office of the Superintendent of Public Instruction. A graduate of a high school outside of the State may be admitted to Southern Illinois Normal University if the high school is accredited by the university of the state in which it is located. Persons under twenty-one years of age may not be admitted to the University without high-school graduation.

A student with an incomplete high school record may complete admission requirements by means of the General Education Development Tests administered by the University.

A person who has attended another college or university must present a complete transcript of his record and a statement of good standing before he may be admitted to Southern Illinois Normal University. He is not eligible for admission if he has an average below C. The transcript will be evaluated and a statement of advanced standing will be given before registration in case the student is from a college which is a member of a recognized accrediting agency.

Official credentials should be sent directly from each institution previously attended to the Registrar. Students are admitted at the beginning of each quarter and the summer session. By attending summer sessions also, a student may complete his work in three years.

For admission to the Graduate School, see "General Rules Governing Graduate Study."

*Notice to New Students—All credentials must be filed in advance of registration.*

### Expenses

The State Teachers College Board has established uniform registration and student activity fees to be paid by students enrolled in any of the State Teachers Colleges of Illinois. This applies to all freshmen and sophomores and to all undergraduate students in the College of Education.

Schedule of fees for a term of three months:

Registration fee.....	\$10.00
Student activity fee.....	5.00
Book rental fee.....	2.50

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Total .....\$17.50

In addition to these there is a federal tax of about 35c a term.

Juniors and seniors in the College of Liberal Arts and Sciences and the College of Vocations pay a registration fee of \$20.00 instead of \$10.00, making a total of \$27.50. A student who takes his degree in one of these colleges must have registered there the last two years or pay back tuition.

Graduate student fees include the registration fee of \$10.00, student activity fee of \$5.00, and a matriculation fee of \$5.00 for new students.

All students holding State scholarships and registered in the College of Education and all students holding military scholarships are exempt from the registration fee.

The general activity charge includes the fee for limited hospitalization, entertainment, athletics, *The Obelisk*, *The Egyptian*, and such other activities as the Council of Administration shall set up.

A registration fee of \$2.00 a quarter hour is charged for extension and part-time students, but none of the activity benefits are included.

Additional special fees include the following:

Late Registration fee.....	\$ 1.00
Chemistry Laboratory Breakage Deposit....	1.00
Botany 101 Laboratory Breakage Deposit...	2.00
Private Music Courses, 1 lesson a week.....	12.00
Completion of N.C.....	1.00
Graduation, bachelors degree .....	5.00

Additional fees are charged for library fines, breakage, failure to report for physical examination, etc. The first transcripts of college records are furnished free, provided the student has fulfilled all his financial obligations to the College. There is a charge of \$1.00 for each additional transcript.

Students withdrawing from the College within ten days after the beginning of the term may secure a full refund of all fees. In order to receive this, a student must make application to the Business Office within ten days following the last day of the regular college registration period. No refunds are made after that time.

## Schedule of Periods

Each class period is fifty minutes in length beginning on the hour. The first classes are at eight o'clock. Ten minutes is allowed between periods.

No classes are scheduled to meet Tuesday at 10 o'clock, the regular University assembly hour.

## Grading System

Grades are expressed in letters as follows:

A, Excellent .....	5 grade points
B, Good .....	4 grade points
C, Fair .....	3 grade points
D, Poor, but passing.....	2 grade points



E, Failure .....	1 grade point
Fld, Failing at time of withdrawal within term, course not completed.....	1 grade point
N. C., Passing at time of withdrawal but course not completed.	

Any change of grade, such as completing an N.C., must be made within a year after the close of the term in which the course was taken. A fee of one dollar is charged for the completion of a course marked N.C., unless the student presents a certificate from the University physician. A complete record of all changes in grades appears on the official transcript. Students who for some reason must miss a final examination may not take the examination before the one regularly scheduled for the class. In this case, an N.C. should be recorded by the instructor, and the final examination taken at a later date, some time within a year.

## Scholarship

The normal load for a student is sixteen quarter hours with a maximum of eighteen hours. A student with a 4.25 average the preceding term may take up to twenty hours. A student with a 4.5 average the preceding term may take additional hours. Students with a 2.75 or lower average may take a maximum of fourteen hours.

Before a student may be graduated he must have a 3.0 average. Any student whose grade-point average falls below 2.75 is automatically placed on probation. He must attain a 3.0 average the succeeding term in order to have the probationary status removed.

A freshman who fails to make the required average will be on probation through the second and third quarters, but must have at least a 2.75 average by the end of the freshman year in order to be admitted to the sophomore year. He should have a 3.0 average by the close of the sophomore year.

Any student who feels he has justifiable reasons for not having fulfilled the general scholarship requirement may present his case to the Dean of Men or the Dean of Women, who in turn may refer his case to the Scholarship Committee for consideration.

Students must remove deficiencies as shown by the freshman tests before the end of the sophomore year. The deficiency may be removed by passing a college credit course, by taking a remedial course, or by passing another freshman test or a special test given by the testing bureau.

Any student who has attended another college or university and has an average below C is not eligible for admission to Southern Illinois Normal University. A student may appeal his case to the Scholarship Committee, and in rare instances appeal it again to the President, for permission to register.

## Honors

In recognition of high scholarship, an Honors Day Convocation is held each spring. Candidates for the bachelor's degree who have maintained a grade-point average of 4.25 or more for all of their work through the winter term of their senior year receive honor pins. In the case of a transfer student, he must have entered Southern Illinois Normal University by the beginning of the junior year and have maintained the 4.25 average. A number of students in the junior class in the College of Education are elected each year to Kappa Delta Pi, National Honor Society in Education.

For information concerning Honors courses open to high-ranking students, see page 56.

Graduating seniors are recognized at Commencement on the graduation program, and the diplomas designate honors granted on the following basis:

Highest Honors .....Point average of 4.90 or higher

High Honors .....Point average of 4.75-4.89

Honors .....Point average of 4.50-4.74

## Wheeler Library

The University Library has 43,686 volumes exclusive of those in the training schools. In addition to this number, it has 5,280 public documents and 10,069 bound periodicals. Both books and pamphlets are classified according to the Dewey decimal system. The dictionary catalog has three entries (author, title, and subject) for each book, and may also have analytical subject headings. Books have been selected with reference to the needs of the various departments, and include standard works in literature, travel, history, science, philosophy, education, and art, as well as general reference books such as dictionaries, encyclopedias, year books, and atlases.

Periodical literature of permanent value is bound and made available by the use of Periodical Indexes. The Library receives 703 of the best current periodicals. Bibliographical material on children's literature and illustrated books are available, in addition to a large collection of pictures.

The Library is open on school days from 7:45 A. M. to 10:00 P. M. except on Fridays, when it closes at 5:00 P. M. The Library is open Saturdays from 8:30 to 4:40. Special hours are announced for the summer term.

Special rules are made regarding the use of reserved books and of magazines.



## DEGREES

Southern Illinois Normal University offers one graduate degree, the Master of Science in Education. In addition to this are the three undergraduate degrees.

The College of Education grants the Bachelor of Science in Education degree.

The College of Liberal Arts and Sciences grants the Bachelor of Arts degree. A student may have the Bachelor of Science degree on application to and approval by the Dean of the College and the Graduation Committee.

The College of Vocations and Professions grants the Bachelor of Science degree. A student may have the Bachelor of Arts degree on application to and approval by the Dean of the College and the Graduation Committee, provided he has fulfilled the general education and major requirements of the College of Vocations and Professions.

A student requesting a second bachelor's degree must complete forty-five hours in addition to the hours required for his first degree and must fulfill the requirements for the second degree.

Every candidate for a degree should file written application with the Registrar not less than three months before the date on which the degree is to be granted.

### Requirements for the Bachelor's Degree in all Colleges

Each candidate for the degree must secure 192 quarter hours credit in approved courses. At least sixty-four must be in senior college courses of which forty-eight must be made in residence. Each student must have a C average, and grades not lower than C in subjects aggregating at least three-fourths of the work. C averages are required in the major subjects before students may be graduated.

The following list of requirements should be met within the first two years of attendance by degree candidates of all colleges:

Social Studies—20 quarter hours (work in 4 departments required)

Economics 205—5 hours

Geography 100—5 hours

Government 200—5 hours

History 110A or 105A—5 hours

Sociology 101—5 hours

Humanities—18 quarter hours

English 101, 102, 103—9 hours

English 205, 209, 211, 212—6 hours from this group

Art 120 or Music 100—3 hours

Biological Sciences—9 quarter hours

Physiology and Health Education 202—4 hours

Botany 101, 202, or Zoology 101, 105—5 hours from this group.

Mathematical and Physical Sciences—12 quarter hours

Chemistry, Mathematics, Physics (12 hours selected from two departments)

Practical Arts and Crafts—3 quarter hours

Agriculture, Commerce, Home Economics, Industrial Education (not required if student has had any of this work in high school)

Physical Education—6 quarter hours.

Students may be excused from any of the above requirements by passing attainment tests. Credit, toward the degree, however, is not allowed for such tests. In some cases more advanced work may be substituted for the required courses listed.

Students may be required to remove deficiencies as shown on the freshman tests. Such deficiencies may be removed by passing a college credit course, taking a remedial course, or by passing a special test given by the testing bureau.

## College of Education

The course of study in the College of Education leads to the Bachelor of Science in Education degree.

All students in the College of Education are required to take American History and Government. A reading knowledge of a foreign language is required. For some students this would require 3, 6, or 9 hours of class work.

*Students preparing for high school teaching* should take the following:

Education and psychology—20 hours: 206, 310, 315, 331, and 345 or 305 or 306.

Practice Teaching—12 hours. At least 4 hours must be in the student's major and at least 8 hours on the high school level.

A major of at least 36 hours and two minors, or a major of 48 hours and a minor in two separate fields of study. In the latter case, field minors are not recognized. The College recognizes majors in any department which offers as much as 36 hours work. A student may obtain also a field major in biological sciences or social studies. Field minors are accepted in biological sciences, social studies, and Latin-American relations.



### Social Studies Field Major in the College of Education

1. A 72-hour major with one minor outside the field.
2. 24 hours in History—12 European, 12 American.
3. 12 hours in each of the other fields.

Required courses on the 72-hour field major in social studies: Economics 205 and 355; Geography 100 and 324; Government 200 and 300; History 105A and 110A; Sociology 101 and 202.

Electives to be chosen from: Economics 206, 310, 317, and 370; Geography 210, 314, 315, 319, 345; three hours in Government; fourteen hours divided between European and American History; Sociology 301, 310, 355.

Elementary education majors will be required to take Sociology 201.

*Students preparing for elementary teaching* should take the following:

Art and Music—15 hours (in addition to the required 3 hours)  
Education and Psychology—32 hours, including Education 311, 331, 355, and Psychology 206 and 305 or 306 or 340

Mathematics—8 hours

Physical Education methods—3 hours.

Practice Teaching—12 hours (8 on elementary level)

Minors of 24 hours in language arts, social science, and natural science areas.

## Practice Teaching

The practice department includes the following three branches: Campus Laboratory School, Brush Training School, and the Rural Practice Schools.

*Certification without examination.* Twelve quarter hours of practice are required for graduation from the Professional Four-Year Course. This work will include eight quarter-hours' credit in the students' major field. Additional practice work may be elected.

*Prerequisites.* Sixteen quarter hours in the subject to be taught; a total of 128 quarter hours of credit with a 3.0 average or better.

No practice credit will be given for past experience in teaching.

Application must be made at the beginning of the term preceding the term in which the practice teaching is desired.

*Certification by examination.* The Limited Elementary Certificate and Kindergarten-Primary Certificate will be granted by examination to those who have completed two years of college work. To be eligible to take this examination a student must have met the requirements of the State Examining Board, page 42. These re-

quirements include eight quarter hours of credit in practice teaching, which will usually be secured by teaching one-half day in the elementary or rural field.

### **Campus Laboratory School**

The Campus Laboratory School offers work from the nursery school through the senior high school. It is divided into the kindergarten and nursery school, six-year elementary school, and six-year high school.

Fees for grades one to six are \$4 each term or \$12 a year. For the nursery school and kindergarten, the fees are \$10 a term.

For the high school an activity fee of \$8 a semester is charged. This fee entitles the student to the following: his text-books; use of the college library; a subscription to a current affairs weekly newspaper; a subscription to the high school weekly newspaper; admission to high-school athletic contests, college football games, college track meets, and college entertainment numbers presented in the evening, excepting those of the Cooperative Concert Association.

The requirements for high school graduation are 16 year credits, including three of social studies, three of English, and two of physical and biological sciences or mathematics. One year of credit is required in physical education. An unusually rich curriculum of subjects is offered in the University High School. For information write Superintendent of the Campus Training Schools.

### **Internship**

During the past few years, outstanding seniors have been given an opportunity to serve as interns in cooperating schools. Not more than one or two students are assigned to any school system. The student will receive his principal supervision from one teacher, but the principals, superintendents, and members of the regular practice department will provide whatever aid is desirable.

### **Brush Practice School**

The Brush School is located in the best residential portion of the city and is a little over a half mile from the University campus. The enrollment is about 400. The school includes grades one to six in twelve rooms, several of which are devoted to practice teaching and are in charge of a regular teacher or supervisor.

### **Rural Practice Schools**

The Rural Practice Department includes two schools which are under the direction of a full-time superintendent and one supervising teacher for each school. The following Jackson County schools will be included for the year 1945-46: Buckles, District No. 98; and Buncombe, District No. 139.



One member of the department devotes most of his time to field work. This includes an in-service extension project in which he teaches the field courses, Education 361 and 362, and visits the schools of the teachers enrolled. He also supervises several "key" schools in as many different counties. These schools are visited by the students involved in the project. They are visited also by student teachers from the rural training schools. The in-service program is closely connected with the teacher-training program.

### **Certification**

The present certification law became effective July 1, 1943. It revises upward some of the former requirements. No one shall be certified to teach in the common schools of this State who is not of good character, who is not of good health, who is not at least twenty years of age, and who is not a citizen of the United States. The following limited certificates will be issued:

First. A limited elementary school certificate shall be valid for four years for teaching in the lower nine grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours and with a minimum of sixteen semester hours in education, including five semester hours in student teaching under competent and close supervision. The academic and professional courses offered as a basis of the limited elementary school certificate shall be in elementary training courses approved by the State Examining Board. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Second. A limited kindergarten-primary certificate shall be valid for four years for teaching and supervising in the kindergarten and in the first, second and third grades of the common schools. It shall be issued to graduates of a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours including sixty semester hours of work in a recognized kindergarten-primary training school and with a minimum of sixteen semester hours in education, including five semester hours in student teaching under competent and close supervision. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Third. A limited special certificate shall be valid for four years for teaching and supervising the special subject or subjects named in the certificate in any and all grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours including a minimum of sixteen semester hours in education, five semester hours of which shall be in student teaching under competent and close supervision. The extent of training shall vary according to the subject and the minimum

amount of training shall be determined by the State Examining Board. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

These three certificates shall also be issued upon a successful examination to applicants who have completed sixty semester hours of work in training courses in a recognized higher institution of learning including ten semester hours in education, five semester hours of which shall be in student teaching. The examination shall include such subjects as may be prescribed by the State Examining Board.

Fourth. A limited vocational certificate shall be valid for four years for teaching the vocational subject or subjects named in the certificate in grades seven to twelve inclusive of the common schools. It shall be issued to persons who have met the requirements of the State Examining Board.

Fifth. A limited high school certificate shall be valid for four years for teaching in grades seven to twelve inclusive of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours including sixteen semester hours in education, five semester hours of which shall be in student teaching under competent and close supervision. The courses in education and student teaching shall be approved by the State Examining Board. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Sixth. A limited supervisory certificate shall be valid for four years for teaching and supervising in any and all grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a bachelor's degree and with not fewer than one hundred twenty semester hours including a minimum of sixteen semester hours in education, as may be approved by the State Examining Board, and who have taught successfully for four years. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

Seventh. A limited junior college certificate shall be valid for four years for teaching and supervising in the thirteenth and fourteenth grades of the common schools. It shall be issued to persons who have graduated from a recognized higher institution of learning with a Master's degree, including twenty semester hours in education and a major in the field in which the teacher is teaching. It shall be renewable in periods of four years upon successful teaching experience and professional growth.

The State Examining Board for Teachers' Certificates has set up the following requirements for admission to examination for the Limited State Elementary Certificate for students who have only two years of college credit:



	Semester Hours or Quarter Hours	
I. General Education .....	45	67.5
a. Language Arts .....	9	13.5
b. Natural Science .....	9	13.5
c. Social Science .....	9	13.5
d. Mathematics .....	3	4.5
e. Health and Physical Education (Must include 2 semester hours in Materials and Methods of Instruction) .....	2 to 4	3. to 6.
f. Fine and Applied Arts (music and art).....	6	9.
g. General psychology ....	3	4.5
h. American Public Education .....	3	4.5
II. Education (Professional) ....	10	15.
a. Educational psychology, child psychology, human growth and development .....	2 or 3	3. or 4.5
b. Teaching and learning techniques in the modern elementary school and curricula problems.....	2 or 3	3. or 4.5
c. Student Teaching .....	5	7.5
III. Electives .....	5	7.5
Total .....	60	90.

### Child Guidance Clinic

The Child Guidance Clinic was established in 1936 for the primary purpose of aiding teacher education. With special aid and guidance given by the Illinois Institute of Juvenile Research, it has continued to expand its services to many communities and schools in Southern Illinois. The Clinic works in close cooperation with the State Department of Public Welfare including the Division for Delinquency Prevention, the State Division for Handicapped Children, the Division of Child Welfare, and the Illinois Children's Home and Aid Society, as well as with the different teacher-training units of the University, with executives and teachers of the public schools, judges, and with the parents of children who ask for assistance. Its personnel consists of faculty members from several different departments of the University. The staff includes psychologists, clinicians, social workers, medical doctors and nurses, specialists in diagnostic and remedial reading and mathematics, and experts from two of the divisions of the State Department of Public Welfare.

The objectives of the Child Guidance Clinic are to aid teacher education; to aid the training school units in the study of individual children; to expand the studies of psychology and clinical psychology; to train some of the most capable students so they may accept positions as child technicians in public schools; to train students for positions as clinical technicians in state institutions; to examine and diagnose individual clinical cases which are brought here, and to aid teachers and parents in understanding the therapy that may be used; to arrange for traveling clinics to go out into the public schools; and to offer consultative services to public schools, county judges, and various civic organizations in different communities.

This University has the distinction of being the only institution within a rather large area having a Child Guidance Clinic, although there are now more than eight hundred child guidance clinics throughout the United States.

Specific information regarding prerequisites and descriptions regarding the courses as offered by the Clinic may be secured by writing to the Director of the Child Guidance Clinic, Room 101-A, Main Building.

### Placements

The *Placements Office* is maintained as a service for students, former students, and graduates of the University who desire to find teaching positions. Public-school officials who have teaching vacancies to fill are assisted in finding well-qualified candidates.

The office is a member of the National Institutional Teacher Placement Association and of the Teacher Placement Association of Illinois Colleges and Universities.

### College of Liberal Arts and Sciences

The course of study in the College of Liberal Arts and Sciences leads to the Bachelor of Arts degree. By approval of the Graduation Committee and Dean, the Bachelor of Science degree may be granted by the College.

Requirements in addition to the general University requirements on page 36.

Psychology (Education 206) or Philosophy (300 or 316).

A reading knowledge of a foreign language is required. For some students this would require 3, 6, or 9 hours of class work.

### Majors in Arts and Sciences

A major of at least 42 hours and a minor of at least 24 hours in two of the following subjects, are required for graduation:

Art	Foreign Language	Mathematics	Physiology and
Botany	Geography	Music	and Health
Chemistry	Government	Philosophy	Education
Economics	History	Physics	Sociology
English	Home Economics		Zoology



Not more than 16 hours in departments not offering majors or minors in the College of Liberal Arts and Sciences may be counted toward a degree. These 16 hours may not include courses in practice teaching, professional education, or departmental methods.

### **College of Vocations and Professions**

The work given in this college will, of course, be pursuant to the authorization of the Enabling Act of the State Legislature, as follows:

"The objects of the Southern Illinois Normal University shall be to qualify teachers for the schools of the state in all branches of study which pertain to a common school education; to offer such courses of instruction as shall best serve to provide liberal and vocational education customarily offered at the college level; and to offer such other courses of instruction as the college determines; provided no professional courses culminating in degrees in law, medicine, dentistry, pharmacy, engineering, or agriculture may be offered by such university." —Senate Bill No. 6. Section 2. Approved July 15, 1943. On May 10, 1945 the Teachers College Board authorized the title College of Vocations and Professions.

The four-year curriculums in the College of Vocations and Professions lead to the Bachelor of Science Degree. Candidates for the degrees in this College must have completed the general education requirements of the University, but are not required to take foreign language or professional teaching courses. Entrance requirements are the same as for other Colleges of the University.

The College of Vocations and Professions offers curriculums whose pursuance develops initial competency in particular occupations and professions. A student may choose a curriculum in this College at any time in his college career. In most cases it is desirable to choose early, while still a freshman or a sophomore.

The one and two-year curriculums do not lead to a degree and may be pursued by anyone who demonstrates ability to pass the courses, regardless of previous credit or school attendance.

Curriculums are offered for accountants, business administrators, dietitians, draftsmen, dressmakers, farmers, homemakers, institutional managers, machinists, secretaries, and textile designers or weavers. Details of each curriculum may be obtained from the department offering the vocation courses.

## PREPROFESSIONAL OFFERINGS

The University through its various colleges and departments offers preprofessional work.

### Preengineering Course

18 Months

First Quarter		Second Quarter	
	Qr. Hrs.		Qr. Hrs.
English 101 .....	3	English 102 .....	3
Mathematics 111 .....	4	Mathematics 112 .....	4
Chemistry 101 or 151....	4	Chemistry 102 or 152....	4
Ind. Educ. 101.....	4	Elective .....	4
Physical Education .....	2	Physical Education .....	2
	<hr/> 17		<hr/> 17
Third Quarter		Fourth Quarter	
English 103 .....	3	Physics 206 .....	4
Mathematics 113 .....	5	Mathematics 251 .....	4
Chemistry 103 .....	4	Elective .....	9
Elective .....	3		
Physical Education .....	2		
	<hr/> 17		<hr/> 17
Fifth Quarter		Sixth Quarter	
Physics 207 .....	4	Physics 208 .....	4
Mathematics 252 .....	4	Mathematics 303 .....	4
Elective .....	9	Elective .....	9
	<hr/> 17		<hr/> 17

The requirements of the particular college and curriculum which the student intends to take should be taken into account in selecting the electives. Ordinarily they should be chosen from among the following subjects: Commerce, Economics, History Literature, Speech, German, Chemistry, Drawing, Shop.

A student who takes only the first year of this course will be able to transfer to almost any engineering college without loss of credits if he chooses his electives wisely. The requirements of the particular college will determine how much of the second year's work will count toward an engineering degree.

### Prelegal Course

Students planning to study law may obtain at Southern the preprofessional training necessary for entrance to any college of law. The Association of American Law Schools makes no specific requirement concerning the prelegal course. Three years of college is the usual minimum requirement for entrance to a law college, and a degree is recommended. Every prelegal student will receive help from an adviser.



**Premedical and Predental Curriculum**

18 Months

First Term		Second Term	
Chemistry 101 or 151....	4	Chemistry 102 or 152....	4
Zoology 101 .....	5	Zoology 105 .....	5
English 101 .....	3	English 102 .....	3
Modern Language .....	3	Modern Language .....	3
Physical Education .....	1 or 2	Physical Education .....	1 or 2
<hr/>		<hr/>	
16 or 17		16 or 17	
Third Term		Fourth Term	
Chemistry 103 .....	4	Chemistry 325 .....	4
*Zoology 200 or 300....	5	Physics 206 .....	4
English 103 .....	3	*Elective (Group I)....	5
Modern Language .....	3	*Elective (Group II)....	4
Physical Education .....	1 or 2	<hr/>	
<hr/>		17	
16 or 17		17	
Fifth Term		Sixth Term	
Chemistry 326 .....	4	Physics 208 .....	4
Physics 207 .....	4	*Elective .....	4
*Elective (Group I)....	5	*Elective .....	4
*Elective (Group II)....	4	*Elective .....	4
<hr/>		<hr/>	
17		16	

Electives—Group I: Psychology, social studies (history, economics, sociology, government.)

Group II: Science (chemistry, zoology, physics, mathematics.)

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\* Consult catalogs of medical schools in regard to specific requirements.

**Preveterinary Medicine**

9 Months

First Term		Second Term	
English 101 .....	3	English 102 .....	3
Chemistry 101 or 151....	4	Chemistry 102 or 152....	4
Zoology 101 .....	5	*Zoology 200 or 201....	5
*Elective .....	3 or 4	Physical Education .....	2
Physical Education .....	2	*Elective .....	3 or 4
<hr/>		<hr/>	
17 or 18		17 or 18	

## Third Term

English 103 .....	3
Chemistry 103 .....	4
*Zoology 105 .....	5
Physical Education .....	2
Botany 203 .....	4
	<hr/>
	18

## Nursing

## 18 Months

## First Term

English 101 .....	3
French or German 101....	3
Mathematics 106 or 111...	4
Physical Education .....	1
Chemistry 101 or 151....	4

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15

## Third Term

English 103 .....	3
French or German 103....	3
Chemistry 103 or 153....	4
Sociology 101 .....	5
Physical Education .....	1

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16

## Fifth Term

English 211 .....	3
French or German 152....	3
Zoology 105.....	5
Hygiene (P. & H. 202) ..	4
Physical Education .....	1

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16

## Second Term

English 102 .....	3
French or German 102....	3
Chemistry 102 or 152....	4
Mathematics 107 or 112...	4
Physical Education .....	1

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15

## Fourth Term

English 212 .....	3
French or German 151....	3
Zoology 101 .....	5
Elective .....	5
Physical Education .....	1

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17

## Sixth Term

French or German 153....	3
Physiology & Hygiene....	4
Elective .....	5
Elective .....	5

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17

## Medical Technology

Students who are planning to become medical technicians should consult Dr. Hinrichs as to suggested courses since the requirements for this type of work vary greatly.

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\* Consult catalog of school as to specific requirements.



## Social Work

Those who plan to enter graduate schools of social work should specialize in economics, political science, psychology, and sociology. Students should have at least forty-five quarter hours, preferably more, in these subjects.

The sociology department is now offering a number of "service courses" designed for persons going into one of the many divisions of social service. It is also offering "in-service" courses on the campus and extension work off the campus for social workers who wish to take further course work.

The sociology department is cooperating with the State Department of Public Welfare in a program whereby the state department employs outstanding students upon graduation. The students hired by the state are employed as welfare aides in two six-months periods alternating with two six-months periods in a graduate school of social work. The state salary continues throughout the period of apprenticeship and graduate school attendance.

The following list includes recent additions to the Department's offerings based on a consideration of immediate needs. There is every evidence that these fields are still in their infancy, and that permanent post-war opportunities will be numerous.

- a. Child Welfare: a field growing faster than trained personnel.
- b. Criminology and Penology: training leading to apprentice work in penal institutions.
- c. Juvenile Delinquency: leading to state or private social work.
- d. Social Work: leading to immediate placement in State Agencies.
- e. Community Organization: leading to State or Federal service.
- f. Social Research: practice in field research leading to placement with research agencies, public or private.

## THE GRADUATE SCHOOL

In January, 1944, the Illinois State Teachers College Board, through its committee on graduate work, approved the setting up of the first courses in graduate work at Southern Illinois Normal University. In the Summer Session of that year the first courses were offered. So was instituted the fifth or graduate year for the preparation of teachers. Southern awarded its first Master's degree in June, 1945.

This addition to the program at Southern should mean a great deal to the teachers and administrators of the region served by the University, for they will hereafter be able to secure the Master's degree in Education in their regional university even while carrying on their regular teaching. The graduate program is designed especially to provide convenient, accessible in-service training for teachers. Candidates for the degree may undertake full-time schedules in the summer, and part-time schedules in late afternoon, evening, and Saturday classes during the regular school year. A candidate should be able to obtain his degree in one full academic year, or in three full summers of study.

The Master of Science in Education degree is obtainable at Southern in any one of three fields: in educational administration; in elementary education; and in secondary and college education. Eventually the prospective teacher may be able to go straight through an integrated five-year program. Until such integration is accomplished, the present graduate year works to the same end for graduates of all recognized colleges and universities who are approved for admission.

In 1943 the Illinois Legislature enacted a bill authorizing Southern Illinois Normal University, theretofore a Teachers College only, to offer also liberal and vocational education. The undergraduate student may now enroll at Southern in a Teachers College, in a College of Arts and Sciences, or in a School of Vocations and Professions. The action of the Teachers College Board also added the Graduate work, so that, in effect, four colleges now exist where there had been only one before. To the graduate student this expansion has considerable meaning. At his disposal are the facilities of four colleges—faculty, library, and equipment. Around him is a large and varied student enrollment, providing an atmosphere of intellectual and social stimulation in which to pursue his scholarly specialization in graduate study.

Students contemplating enrollment should get into early communication with the Dean of the College of Education, the Chairman of the Graduate Committee, or the Registrar for information concerning graduate work. Those who wish more detailed information regarding specific programs may write to Eugene R. Fair, Dean of the College of Education, or to one of the following:

Educational Administration—Bruce W. Merwin

Elementary Education—Ted R. Ragsdale

English—William B. Schneider

Foreign Language—Vera Peacock

Mathematics—John R. Mayor



Biological Science—Willard M. Gersbacher

Physical Science—J. W. Neckers

Social Science—Willis G. Swartz

More detailed information may be obtained by requesting a copy of the Graduate School catalog.

## Educational Administration and Supervision

- I. Prerequisites:
  - The Bachelor's Degree
  - Certification to teach
  - Teaching experience
- II. Professional Requirements: 32-48 quarter hours, as approved by the graduate student's advisory committee, from the following:
  - Philosophy of Education
  - School Administration
  - Supervision
  - Field Work
  - Tests and Measurements
  - Curriculum
  - Guidance
  - Personnel Administration
  - Educational Sociology
  - Mental Hygiene
  - Human Growth and Development
  - American Education
  - Seminar
  - Individual Research
- III. Academic Electives: 0-16 quarter hours, as approved by the student's advisory committee.

## Elementary Education

- |  |             |
|--|-------------|
| I. Required courses:   | 16 qr. hrs. |
| Child Growth and Development, or                                     |             |
| Child Psychology .....   | 4 hrs.      |
| Structure and Operation of the American Educational System.....      | 4 hrs.      |
| Curriculum, Materials, and Methods in the Modern Elementary School.. | 4 hrs.      |
| Educational Sociology .....  | 4 hrs.      |
|  | 16 hrs.     |

II. Guided electives: 16 qr. hrs.

Educational Tests and Measurements 4 hrs.

This course is required unless the student has had its undergraduate equivalent.

Procedures in Individual Guidance.. 4 hrs.

This course is required unless the student has had its undergraduate equivalent.

Curriculum and Methods Courses: 8 to 10 hrs.

Arithmetic and Numbers—Primary

—Intermediate—Upper

Social Studies in the Elementary School

Natural Sciences in the Elementary School

Fine and Applied Arts in the Elementary School

Language Arts in the Elementary School

Health and Recreation in the Elementary School

III. Free electives in Education: 8 qr. hrs.

In addition to the 16 hour requirements listed under I and II, the student is required to take a minimum of 8 elective hours selected from the remaining courses in Education.

IV. Elective courses other than in Education: 8 qr. hrs.

In addition to the 40 quarter hours required in education, the student will take 8 quarter hours in fields other than Education.

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Total ..... 48 qr. hrs.

### Secondary and College Education

I. Professional Courses 16 quarter hours

II. Requirements for Major and Minor: Major 20-32 quarter hours  
Minor 0-12 quarter hours

1. Where a major is offered in a single department such as English, French, or Mathematics, a graduate student would ordinarily be expected to take a minor in a related field. In that case approximately two-thirds of the academic work would be devoted to the major and one-third to the minor.
2. Where a student majors in a field such as Social Studies, Biological or Physical Sciences, he would be permitted to take all of his academic work in that field.
3. In cases where a student's undergraduate majors and minors are not in related fields, he may be required to take certain undergraduate courses, carrying partial or no graduate credit in order to provide an adequate basis for related graduate majors and minors.



## General Rules Governing Graduate Study at Southern Illinois Normal University

*Admission.* Students are admitted to the Graduate School only upon the approval of the Graduate Committee of the Graduate School. Graduates of Southern Illinois Normal University and graduates of other educational institutions maintaining standards equal to those of this institution are eligible for admission to the Graduate School.

To be eligible for admission to the Graduate School, a graduate student must have a three-point undergraduate average. Admission to the Graduate School is not equivalent to admission to candidacy for the degree of Master of Science in Education.

*Transcript.* Graduates of other educational institutions must present an official transcript of high school and college or university courses previously taken. This transcript should be filed with the Chairman of the Graduate Committee of the Graduate School at least one month before matriculation.

*Application.* Written application for admission to the Graduate School should be made to the Chairman of the Graduate Committee of the Graduate School on blanks secured at his office or from the Registrar.

*Tuition and Fees.* Tuition and fees for graduate students are the same as for the undergraduate students in the College of Education with the following exceptions: Matriculation fee, \$5.00 (for other than graduates of Southern Illinois Normal University); graduation fee, \$10.00. (The graduate student must purchase any textbooks used in graduate courses.)

*Part-Time Enrollment.* Opportunity is given to those admitted to the Graduate School who are within easy reach of the University to enroll in resident graduate classes on late afternoons and Saturdays. However, at least half of a student's graduate credit must be earned in full-time residence work.

Opportunity may also be given for graduate students to take up to 8 quarter hours credit in graduate extension courses, provided such courses meet the teaching, library, and laboratory standards of similar campus courses.

*Additional Requirements.* A student desiring to do work for which he has not the proper foundation may be required to complete the necessary undergraduate work.

*Transfer of Credit.* A maximum of sixteen quarter hours of acceptable graduate credit earned on campus or in extension in another institution may be applied toward a Master's degree. The transfer of credit from another institution is subject to the approval of the Graduate Committee of the Graduate School after consultations with representatives of the department or departments concerned.

The Graduate Committee may require specialized work to be done in another institution.

*Seniors.* A senior who is in the last quarter of his undergraduate study, who has completed his residence requirement for the Bachelor's degree, and whose schedule is not completely filled with undergraduate courses may be permitted to register for graduate courses upon application to the Graduate Committee of the Graduate School at the time of enrollment.

*Advisory Committees.* The Graduate Committee of the Graduate School will appoint an advisory committee for each graduate student, upon matriculation in the Graduate School.

Each graduate student may indicate his preference of persons to serve on his advisory committee, but the Graduate Committee's judgment will prevail.

The advisory committee will represent the graduate student's major and minor fields, and will include at least one member of the Graduate staff in the College of Education.

## Graduate Assistantships

The Southern Illinois Normal University will offer graduate assistantships for the first time beginning the Fall Term of 1945. These new assistantships will be open to graduates of any college who are looking forward to a Master's Degree. The assistantships will be awarded according to the scholarship of the applicant and to the type of work that interests him.

Normally the assistant will receive credit for as much as three-fourths of a full academic load. The assistant will be able to receive as much as \$750 for ten months; this stipend is equal to, or higher than, graduate assistantships offered by the larger universities in this country.

The student's academic record should be high to enable him to qualify for this type of assistantship. The work will consist of such services as assisting faculty members conducting research projects, teaching, laboratory work, and special library service. In this new-type assistantship a student not only supports himself but also engages actually in work activities that relate to his studies and that advance him educationally.

Students who believe that they might qualify for graduate assistantships should communicate with Miss Helen Shuman, Administrative Assistant to President Lay, or with Dr. Willis G. Swartz, Chairman of the Graduate Committee at Southern.

## Requirements for the Master's Degree in Education

*Residence.* Candidates for the degree are required to spend at least two quarters in residence.

*Course Requirements.* Forty-eight quarter hours of acceptable graduate credit are required for the Master's Degree. At least 24 of these hours must be in courses for graduates only. Also at least half of the graduate work culminating in the Master's degree must be done in full-time residence work.



A grade average of B is required for the degree. Not more than four hours of C will be given graduate credit, and no grade below B will count toward a major.

Courses on the 400 level are open to seniors and graduate students. Occasionally juniors of superior scholarship may be admitted at the adviser's discretion.

*Dissertation or Thesis.* No formal thesis of the traditional type will be required; however, each candidate for the Master's Degree will be required to present evidence of ability to do a satisfactory quality of research, and to submit it in a form to be filed for future reference.

A maximum of four quarter hours of credit may be given for a special research project which is not prepared as part of a regular course requirement.

*Admission to Candidacy.* Each student shall make personal application to the Graduate Council for admission to candidacy not later than the last week of the term preceding the one in which the degree is to be conferred.

Prior to admission to candidacy, each student must pass a preliminary comprehensive examination covering the essentials of both undergraduate and graduate study in his major field. This examination may be oral, written, or both.

*Application for the Degree.* Each candidate for the Master's degree must file written application for the degree with the Chairman of the Graduate Council not later than one month before the date for granting the degree.

*Final Examination.* Each candidate must pass a final examination covering all work he has completed. Special emphasis will be given to individual studies and research projects. (The preliminary and final examinations together must include both oral and written examination.)

## The War Veteran and the Graduate School

Veterans of World War II will be returning to school in numbers in the years immediately ahead. Those who are interested in Graduate School will find an agency set up and ready to serve at Southern. Requests for information should be addressed to

The Veterans Service  
Southern Illinois Normal University  
Carbondale, Illinois

Federal and state provisions for veteran training and education apply to any academic level, and so include the graduate school. These provisions have four chief sources, two in the Federal Government and two in the State of Illinois. The Federal Government has set up the "G.I. Bill", the Servicemen's Readjustment Act, or Public Law 346, and Public Law 16, for the Rehabilitation of Disabled Veterans.

For the State of Illinois there are the Military Scholarship, and the Governor's Committee for Veteran Rehabilitation and Employment.

The eligible disabled veteran may receive free training for a maximum of four years. The veteran in good health generally is allowed a free educational period of one year, plus the equivalent of his time in service, provided that the total time does not exceed four years. Free training includes all essential school expenses plus an adequate subsistence allowance.

### **Housing and Meals**

The University is glad to assist entering graduate students to secure satisfactory living accommodations. For information about rooms and apartments requests should be addressed to Mrs. Mabel Pulliam, Chairman, the Committee on Housing. For those who may not wish to set up housekeeping, the University Cafeteria provides excellent meals.

### **EXTENSION DIVISION**

Southern Illinois Normal University maintains the Extension Division as a part of its services to the in-service teachers and adults generally in that part of Illinois served by the University. Since its beginning eighteen years ago, the Division has developed with the increasing demands for extension work throughout Southern Illinois. Only those courses that are given in residence are offered as extension work; and when satisfactorily completed, are given the same credit as residence courses. All instructors of extension courses are members of the regular University faculty, and the work offered meets all the requirements of the American Association of Teachers Colleges and the North Central Association of Colleges and Secondary Schools.

A maximum of one-fourth of the total number of credits required for the bachelors degree may be earned through extension work, and up to eight quarter hours on the masters degree.

Extension courses are not regularly scheduled for less than twenty persons. The regular charge is \$2.00 a quarter hour. Specific inquiries should be addressed to Dr. T. W. Abbott, Director of Extension.



## COURSES OF INSTRUCTION

### Course Numbers

The course numbering system is as follows:

100-199.....	for freshmen
200-299.....	for sophomores
300-399.....	for juniors and seniors
400-499.....	for seniors and graduates
500 and above.....	for graduates only.

Ordinarily students are not permitted to take courses above their classification; that is, a freshman should register for freshman courses, and only in rare instances for sophomore courses.

### Unit of Credit

One quarter hour represents the work done by a student in a course pursued for a term of twelve weeks, one hour a week, and, in the case of the laboratory courses, the usual additional time. It is equivalent to two-thirds of a semester hour.

### Honors Courses

A student with a 4.5 average at the end of the sophomore year may be granted permission to do a limited amount of specialized work in his chief field of interest. This may be a strictly departmental interest or it may cut across two or more departmental fields.

A qualified student who wishes to take special Honors courses should consult with the faculty member concerned and ask for the appointment of a Special Honors Committee to supervise his Honors work.

The amount of credit which a student may receive for Honors work and the type of comprehensive examination to be given will be determined by a Governing Honors Committee representing the various Divisions of the University.

## AGRICULTURE

Southern Illinois Normal University offers three-fourths of the work required for the degree of Bachelor of Science in Agriculture granted usually by the Land-Grant institutions. Specialization within the field of agriculture is not to be recommended during the first half of the agricultural curriculum, but students seeking the Smith-Hughes (agricultural vocational teacher) training should consult their advisers for special guidance when they register.

Persons interested in the short term curriculum of intensive agriculture should consult the Head of the Department. This program is designed especially for those not interested in a degree.

- 102. **Cereal Crops.** Prerequisite, Botany 101. 5 hours.
- 103. **Forage Crops.** Prerequisite, Botany 101. Agriculture 102 suggested. 4 hours.
- 105. **Breeds of Livestock.** 4 hours.
- 112. **Small Fruits.** 4 hours.
- 201. **Agricultural Geology.** (Geology 201). 4 hours.
- 202. **Farm Soils.** 4 hours.
- 204. **Agricultural Economics.** (Economics 204.) 5 hours.
- 205. **Principles of Feeding.** Prerequisites, Agriculture 105 or equivalent, and Chemistry 102. 4 hours.
- 212-213-214. **Orcharding.** Prerequisite, Botany 101. 5 hours each.
- 225. **Poultry Husbandry.** 4 hours.
- 231. **Dairy Husbandry.** Prerequisite, Agriculture 105 or 205. 4 hours.
- 260. **Vegetable Gardening.** 3 hours.
- 265. **Swine Husbandry.** Prerequisite, Agriculture 105. 4 hours.
- 275. **Farm Machinery.** 4 hours.
- 280. **Sheep Husbandry.** Prerequisite, Agriculture 105. 4 hours.
- 301. **Soil Fundamentals.** Prerequisites, Chemistry 103, Geology 201. 4 hours.
- 302. **Soil Fertility.** Prerequisite, 301. 4 hours.
- 310. **Teaching Agriculture in the Country and Village Schools.** 4 hours.
- 311. **Dairy Cattle and Swine.** Not for majors in Agriculture. 4 hours.
- 312. **Soils and Livestock Relationships.** 4 hours.
- 320. **Farm Poultry.** 4 hours.
- 322. **Farm Planning.** Part-time Farming. 4 hours.
- 324. **Farm Planning.** Profitable productions, rational consumption and abundant living. 4 quarter hours.



- 325. **Diseases of Fruits and Vegetables.** Prerequisites, Botany 101, Agriculture 212, 260.
- 326. **Diseases of Cereal Crops.** Prerequisites, Botany 101 and Agriculture 102. 4 hours.
- 330. **Advanced Problems in Dairy Husbandry.** Prerequisites, Agriculture 102, 105, and 231. 4 hours.
- 339. **Poultry and Gardening.** Not for majors in agriculture. 4 hours.
- 350. **Farm Management.** Prerequisites, Agriculture 102, 105, and 204. 4 hours.
- 370. **Marketing of Farm Products.** Prerequisite, Agriculture 350. 5 hours.

## BOTANY

For a major in botany, nine courses are required, including 101, 202, 203, 210, 320; for a minor, six courses, including 101, 202, 203.

- 101. **General Botany.** 5 hours.
- 131. **Field Biology.** 5 hours.
- 202. **General Botany.** A brief study of representative plants of the great plant groups, the general classification of plants and the evolution of the plant kingdom. Prerequisite, 101. 5 hours.
- 203. **Systematic Botany.** Prerequisite, 101. Spring. 4 or 5 hours.
- 210. **Plant Anatomy.** Prerequisites, 101, 202. 5 hours.
- 301. **The Algae.** Prerequisites 101, 202. 5 hours.
- 302. **The Bryophytes and Pteridophytes.** Prerequisites, 101, 202. 5 hours.
- 303. **The Spermatophytes.** Prerequisites, 101, 202, 203. 5 hours.
- 314. **Heredity and Development.** 4 hours.
- 315. **Genetics.** Prerequisite, approval of the Head of the Department. 5 hours.
- 320. **Elements of Plant Physiology.** Prerequisite, 101. 5 hours.
- 340. **Plant Ecology.** Prerequisites, 101, 202, 203. 5 hours.
- 350. **Plants in Relation to Man.** 4 hours.
- 351. **Economic Biology.** 4 hours.
- 380. **History of Biology.** Prerequisites, one year of Botany and Zoology. 5 hours.
- 403. **Advanced Systematic Botany.**
- 406 (305). **Fungi.** Prerequisites, 101, 202, 203, 301. 5 hours.
- 410. **Bio-ecology.** Prerequisites, Botany 101, 203, Zoology 220. 5 hours.
- 421 (321). **Histological Technique in Biology.** 5 hours.

- 425 (325). **Advanced Plant Physiology I.** Prerequisites, Botany 101, 210, 320, Chemistry. 5 hours.
- 430 (330). **Advanced Plant Physiology II.** Prerequisites, Botany 101, 210, 320, Chemistry. 5 hours.
- 470 (370). **Methods in Biology.** 4 hours.
590. **Seminar.** 5 hours.

## BUSINESS AND COMMERCE

A major in Commerce requires 48 quarter hours; a minor consists of 24 quarter hours.

102. **Personal Typewriting.** Credit is allowed toward graduation for all students. 4 hours each. Fall, Winter, Spring.
- 103, and 104. **Typewriting.** Students who have had one year of typewriting instruction in high school are not eligible for 102 and 103, but may enter 104. Credit toward graduation for commerce majors and minors only. 4 hours each. 103, Winter. 104, Spring and Summer.
- 105, 106, and 107. **Shorthand.** Students who have had one year of shorthand instruction in high school are not eligible for 105 and 106, but may enter 107. Credit toward graduation for commerce majors and minors only. 4 hours each. 105, Fall; 106, Winter; 107, Spring.
201. **General Business Information.** 4 hours.
205. **Elements of Accounting.** 3 hours.
206. **Accounting.** Prerequisite, Commerce 205 or its equivalent. 3 hours.
207. **Accounting.** Prerequisite, Commerce 206 or its equivalent. Spring. 3 hours.
210. **Commercial Law.** Fall. 4 hours.
211. **Commercial Law.** Winter. 4 hours.
212. **Commercial Law.** Spring. 4 hours.
- 213, 214. **Advanced Typewriting.** Prerequisites, Commerce 102, 103, 104 or equivalent. 213, Fall; 214, Winter. 4 hours each.
- 216, 217. **Advanced Shorthand.** Prerequisites, Commerce 105, 106, and 107, or equivalent. 216, Fall; 217, Winter. 4 hours each.
220. **Handwriting Methods.** 2 hours.
221. **Business English.** 4 hours.
- 305, 306, and 307. **Advanced Accounting.** 305, Fall; 306, Winter; 307, Spring. 3 hours each.
- 315 (215). **Typewriting Methods.** Prerequisite, ability to type at rate of 45 net words per minute. 4 hours. Spring.



- 318 (218). **Shorthand Methods.** Prerequisite, ability to write at 80 words per minute. Spring. 4 hours.
- 325. **Business Administration (Economics 326).** Spring. 4 hours.
- 336. **Marketing (Economics 336).** Fall. 4 hours.
- 337. **Principles of Salesmanship.** Winter. 4 hours.
- 338. **Cost Accounting.** 3 hours.
- 339. **Methods in Commercial Arithmetic.** Winter. 4 hours.
- 340. **Auditing.** Spring. 3 hours.
- 341. **Principles and Problems of Office Practice.** 4 hours.
- 345. **Income Tax Accounting.** Winter. 3 hours.
- 350. **Secretarial Science.** 4 hours.
- 355. **Governmental Accounting.** 3 hours.
- 360. **Retail Store management.** 4 hours.
- 445. **Income Tax Accounting.** 3 hours.
- 465 (365). **Employment and Personnel Management.** 3 hours.
- 475. **Budgeting and System in Business Operations.** 3 hours.
- 499. **Problems in Commerce and Economics.** 4 hours.

## CHEMISTRY

A teaching major in chemistry requires 36 quarter hours, a double major in chemistry consists of 48 quarter hours, a minor of 24.

- 101. **General Chemistry.** A survey course. All terms. 4 hours.
- 102. **General Chemistry.** Prerequisite, 101. Winter, Spring and Summer. 4 hours.
- 103. **General Chemistry. Theoretical.** Prerequisite, 102 or 152. Spring and Summer. 4 hours.
- 109. **General Chemistry.** For Home Economics majors. Fall. 4 hours.
- 151. **General Chemistry.** A survey course. Prerequisite, high-school chemistry. Fall. 4 hours.
- 152. **General Chemistry.** Prerequisite, 151. Winter. 4 hours.
- 201. **Qualitative Analysis.** Theory and cations. Prerequisite, 103. (Mathematics 113 also desirable.) Fall. 4 hours. Neckers.
- 202. **Qualitative Analysis.** Anions and compounds. Prerequisite, 201. Winter. 4 hours. Neckers.

249. **Organic Chemistry.** For Home Economics majors. Prerequisite, 109. Winter. 4 hours.
252. **Quantitative Analysis.** Gravimetric. Prerequisite, 201, Mathematics 113. Winter. 4 hours. Neckers.
253. **Quantitative Analysis.** Volumetric. Prerequisite, 202 or 252, Mathematics 113. Spring. 4 hours. Neckers.
259. **Bio-chemistry.** For Home Economics majors. Prerequisite, 249. Spring. 4 hours.
301. **Organic Chemistry.** For chemistry majors. Prerequisite, 103. Fall and Spring. 4 hours. Abbott.
302. **Organic Chemistry.** Prerequisite, 301. Winter. 4 hours.
303. **Organic Chemistry.** Prerequisites, 201 and 302. Spring. 4 hours. Abbott.
401. **Physical Chemistry.** For majors. Prerequisites, Chemistry 253 and 303, Mathematics 252, Physics 206, 207, 208. Fall. 4 hours. Van Lente.
402. **Physical Chemistry.** Prerequisites, Chemistry 401, Physics 306. Winter. 4 hours. Van Lente.
403. **Physical Chemistry.** Prerequisite, 402. Spring. 4 hours. Van Lente.
425. **Physical Chemistry.** For biology students. Prerequisites, 253 and 326. Summer. 5 hours. Van Lente.
447. **Qualitative Organic Chemistry.** 4 hours.
451. **Biological Chemistry.** Prerequisite, 302 or 326. Winter. 4 hours. Scott.
452. **Biological Chemistry.** Prerequisite, 451. Spring. 4 hours. Scott.

## ECONOMICS

A major in economics consists of 36 quarter hours in the College of Education; a minor, of 24 hours.

A major or minor is recommended to those wishing to teach economics, and to those wishing to enter government service.

Students majoring in economics are urged to take as much as possible in other social-science departments, with at least one minor in a related field.

Advice as to courses recommended in economics and related fields can be obtained from members of the departmental staff.

201. **Contemporary Political Problems.** (Government 201.) 3 hours.



204. **Agricultural Economics.** Intended for agriculture students only. 5 hours.
205. **Introduction to Economics.** 5 hours.
206. **Advanced Economic Problems.** Prerequisite, 204 or 205. 3 hours.
210. **An Introduction to Economic Geography.** (Geography 210.) 4 hours.
211. **Cultural Anthropology.** (Sociology 210.) 3 hours.
215. **Population.** (Sociology 215.) 2 hours.
304. **Advanced Economic and Social Geography.** (Geography 304.) Prerequisites, Economics 205 and 206, Geography 210. 3 hours.
306. **Social Institutions.** (Sociology 305.) 3 hours.
307. **Elementary Mathematical Statistics.** (Mathematics 307.) Prerequisite, two terms of college mathematics. 5 hours.
310. **Labor Problems.** Prerequisites, 205 and 206. 4 hours.
315. **Money and Banking.** Prerequisites, 205 and 206. 4 hours.
317. **Economic History of the United States.** (Geography 317.) Prerequisites, 205 and 206. 3 hours.
320. **Corporation Finance.** Prerequisites, 205 and 206. 4 hours.
321. **Teaching of Social Studies.** (Sociology 321.) 2 hours.
324. **Restoration and Conservation of Natural Resources.** (Geography 324.) 4 hours.
325. **Transportation.** Prerequisites, 205 and 206. 3 hours.
326. **Business Administration.** (Commerce 325.) 4 hours.
328. **International Trade.** (Geography 328.) Prerequisites, 205 and 206. 3 hours.
330. **Public Finance and Taxation.** Prerequisites, 205 and 206. 3 hours.
333. **Problems of Southern Illinois.** (Government 333.) 5 hours.
335. **Government and Business.** (Government 335.) 3 hours.
336. **Marketing.** (Commerce 336.) 4 hours.
340. **Public Utilities.** Prerequisites, 205 and 206. 3 hours.
345. **The Principles of Insurance.** Prerequisites, 205 and 206. 3 hours.
355. **The Economics of Consumption.** Prerequisites, 205 and 206. 3 hours.

- 361. **Social Security.** (Sociology 360.) 3 hours.
- 370. **Business Cycles.** Prerequisites, 205 and 206. 3 hours.
- 380. **Economics of War.** War production, financing the military machine, control of prices and post-war adjustments. 4 hours.
- 415. **Money and Banking.** 4 hours.
- 430. **Public Finance and Taxation.** 3 hours.
- 450 (350). **History of Economic Thought.** Prerequisites, 205 and 206. 4 hours.
- 451. **Economic Theory.** 3 hours.
- 481 (381). **Comparative Economic Systems.** A study of capitalism, socialism, communism, fascism, and cooperation. 3 hours.
- 500. **Economics Seminar.** Open only to graduates. The credit hours in each case will vary from 3 to 4.

## EDUCATION

- 206. **General Psychology.** 4 hours.
- 215 (210). **Elementary School Methods.** Prerequisite, 206. 4 hours.
- 230. **Rural Education.** Prerequisite, 206. 4 hours.
- 235. **Primary Education.** Prerequisite, 206. 4 hours.
- 237. **Rural Education Seminar.** 4 hours.
- 305. **Advanced Educational Psychology.** Prerequisite, 206. 4 hours.
- 306. **Child Development.** 4 hours.
- 310. **Principles of Secondary Education.** 4 hours.
- 311. **The Work of the Elementary Teacher.** Prerequisite, 206. 4 hours.
- 312. **Safety Education.** 3 or 4 hours.
- 313. **Literature in the Kindergarten-Primary Grades.** Prerequisite, English 213. 3 hours.
- 315. **High School Method.** Not open to those who have had 215 (210). 4 hours.
- 316. **Kindergarten-Primary Methods and Curriculum.** (5 hours (3-hour theory plus 2-hour laboratory)).
- 320. **High School Measurements.** Not open to those who have taken 321. 4 hours.
- 321 (220). **Elementary School Measurements.** Prerequisite, 206. Not open to those who have had 320. 4 hours.



323. **School Law.** 4 hours.
327. **School Personnel Administration.** Prerequisite, 315. 2 hours.
330. **History of Education.** 4 hours.
331. **American Public Education.** 4 hours.  
May be taken in the spring of the sophomore year by a student who is planning to be certificated by examination at the end of two years of college.
332. **Public Opinion, Propaganda and Education.** 4 hours. Admission by consent of instructor.
333. **Field Work in Elementary Education.** 4 hours.
335. **Problems in Rural Education.** Prerequisites, at least one course of Psychology and at least one course in Education. 4 hours.
336. **Techniques in Individual Measurement.** Prerequisites, 206, 306 or 340 or 345, 320 or 321. 3 hours.
337. **Reading in the Elementary School.** Prerequisite, 215 or 315. 4 hours.
338. **Problems of Remedial Reading in the High School.** Prerequisite, senior classification. 2 hours.
- 338a. **Laboratory Practice in Remedial Reading on the Secondary School Level.** Prerequisites, senior classification and Education 338. 2 hours.
- 338b. **Reading Case Studies and Clinic Practice.** Prerequisite, 337 or 338. 2 hours.
- 338c. **Operating the Reading Clinic in Public Schools.** 4 hours.
339. **The School and the Community.** Open to juniors and to others by permission of instructor. 4 hours.
340. **Child Psychology.** 4 hours.
343. **Child Development.** Prerequisite, 206. 2 hours Health Education and 2 hours Education.
345. **Adolescent Development.** 4 hours.
351. **The School Library and the School Program.** Fall. 4 hours.
- 352, 353. **School Library Organization and Management.** Prerequisite, 351. These courses must be taken in sequence: 352, Winter; 353, Spring. 4 hours each. Hankla.
355. **Philosophy of Education.** 4 hours.
- 361, 362. **Rural and Elementary Curriculum.** 8 hours.
365. **Psychology of the Elementary School Subjects.** Prerequisite, 215 or 315. 4 hours.

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371. **Foundations of Education.** Prerequisites, at least two courses in education and junior standing. 4 hours.
375. **Education and National Defense.**
380. **Kindergarten Education.** Students should consult the instructor before registering for this course. 4 hours.
381. **Education Sociology. Guidance in Personality and Social Adjustments.** Fall, Winter. 4 hours. Advanced students admitted only after conference with Mrs. Gum.
390. **Workshop in Rural Education.** Arrangements for enrollment should be made by May 1, with the head of the Department of Rural Education. This will be a full-time course for the first four weeks of the summer session.
401. **Problems in Public School Reading.**
402. **Planning the Small School Plant.** 1 hour.
420. **Educational Statistics.** Prerequisites, 310 and 320 or 321. 4 hours.
424. **School Administration.** 4 hours.
425. **Diagnosis and Treatment of School Behavior Problems.** Enrollment limited to 25. 4 hours.
426. **Procedures in Individual Guidance.** Prerequisites, 296, 306, or 340 or 345, 320 or 321, 337 or 338 or other special courses in diagnostic or remedial reading, Physiology and Hygiene 202, Sociology 101. Courses in genetics and zoology are also recommended as prerequisites to Education 316, 426, 526. 4 hours.
428. **Therapeutic Treatment of the Individual Student.** A continuation of Education 426. Seminars and individual direction and guidance by members of the staff. Prerequisites, Education 426.
437. **Problems in Reading.** 4 hours.
- 445 (350). **Mental Hygiene.** 4 hours.
446. **Practicum in Psychology.**
450. **Foundations of Elementary Education.** 4 hours.
- 460 (360). **Curriculum.** For advanced students only. 4 hours.
500. **Seminar in Education.** 4 hours. For graduate students.
523. **The Theory and Legal Basis of American Education.** 4 hours.
525. **School Finance and School Plant Facilities.** 4 hours.
526. **Techniques and Therapy in Individual Guidance.** 4 hours.



- 528. **Group Methods in Therapy.**
- 535. **Research in Problems of Administration.** 4 hours.
- 539. **Community Development through the School.** 4 hours.
- 555. **History of Educational Philosophy.** 4 hours.
- 556 (456). **Seminar in Educational Supervision.**
- 561. **Curriculum Adjustments.**
- 565. **Seminar in the Psychology of Elementary School Subjects.**

## ENGLISH

English majors should, in their junior year, complete English 302, 316 and 317, which in sequence constitute a required survey of English literature from the beginning to 1900. They should also take English 300, the methods course, in the spring of either the junior or the senior year. An English major is 32 hours, all on the senior-college level. Rhetoric 300 is the only rhetoric that may be counted on a major. Three of the advanced courses should be so selected that they fall both in different types and in different fields.

An English major should choose at least two of the English history courses from the following: History 322, 323, 324; and at least one philosophy course, preferably 345.

English minors should have a total of 24 hours, 18 of which should be distributed among the senior-college groups. Only Rhetoric 300 will count towards an English minor. Especially recommended courses are 316, 317, 366, and a modern course.

The following speech courses may count towards an English major: 311, 330, 230, or 328. English majors should know that a requirement for graduate work in English is a reading knowledge of French and German.

### **0. Sub Freshman Rhetoric.** No credit.

- 101. **Freshman Rhetoric.** Informal Essay. Freshman rhetoric must be taken every term until the requirement is fulfilled. 3 hours.
- 102. **Freshman Rhetoric.** Use of the library as preparatory work for the research paper. 3 hours.
- 103. **Freshman Rhetoric.** Emphasis on the writing of a research paper. 3 hours.
- 104. **Modern Readings with Practice in Composition.** 3 hours.
- 205. **Masterpieces of English and American Poetry.** Emphasis on technique, type, and period. 3 hours.

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209. **Masterpieces of World Literature.** An examination of masterpieces of various national literatures in various periods. 3 hours.
211. **Introductory Course in Fiction.** An examination of readable novels designed to acquaint the student with all aspects of artistic excellence in this form. 3 hours.
212. **Readings in Modern Literature.** Principal forms, ideas, and writers of contemporary America and England. Occasional excursions into the literature of other countries. Emphasis on the manner in which modern literature touches upon the many problems of twentieth century life. Especially recommended to majors in other fields than English. 3 hours.
213. **Children's Literature.** Fairy stories, fables, myths, romance cycles, and legends, with analysis of the literary qualities of the selections, instruction in methods of teaching literature in the grades, and some observation of such methods in the training school. Does not count on English major. 3 hours.
214. **Sophomore Rhetoric.** A review of English grammar and composition for rural and elementary schools. 3 hours.
217. **English Grammar for Teachers.** A review of elementary school grammar. 3 hours.
218. **Composition for Elementary School Teachers.** A study of the problems of composition in grade schools. 3 hours.
290. **Creative Writing.** Prerequisite, consent of the instructor. 3 hours.
291. **Business Writing.** Does not count on rhetoric requirement. 3 hours.
300. **Advanced Course in Principles of English Grammar and Composition.** A review of grammar and a study of the principles of grammar and composition. Required for majors. 3 hours.
302. **A Survey of English Literature from the beginning to 1550.** Required of majors. 3 hours.
305. **American Poetry.** 4 hours.
306. **American Drama.** Rise of the theatre in America with a survey of the drama of the early period and intensive reading of contemporary plays. 4 hours.
308. **American Novel.** Emphasis on the works of Hawthorne, Melville, Crane, Lewis, and Cather. 4 hours.
314. **Ideas in Seventeenth Century Literature.** Religious, scientific, political, and aesthetic trends in seventeenth century literature. 4 hours.



- 315. Eighteenth Century Literature.** Neo-classicism and the genesis of the Romantic movement in poetry. In prose selected masterpieces with emphasis on the satirical and critical essay. 4 hours.
- 315a. English and French Literature in the Eighteenth Century.** This course is offered jointly with the French department. Students may elect it as English 315A with five hours' credit in English; as English 315A with three hours' credit in English; or as French 315A with three hours' credit in French.
- 316. A Survey of English Literature from 1550 to 1750.** Required of majors. Credit for 316 is not given to students who already have credit for 201. 3 hours.
- 317. A Survey of English Literature from 1750 to 1900.** Required of majors. Credit for 317 is not given to students who already have credit for 202. 3 hours.
- 318. A Survey of American Literature.** 4 hours.
- 320. English Romantic Poetry, 1780 to 1830.** A survey of Romantic poetry, with emphasis on the poetry of Wordsworth, Coleridge, Byron, Shelley, and Keats. 4 hours.
- 321. Victorian Poetry, 1830 to 1880.** A survey of Victorian poetry, with intensive study of Tennyson, Browning, and Arnold. 4 hours.
- 324. Elizabethan Poetry and Prose.** A survey of sixteenth century literature, exclusive of plays, with special attention to general Renaissance background in England and on the continent. 4 hours.
- 326. Nineteenth Century Prose.** Representative writings of England's great prose age and, exclusive of fiction, their relationship to nineteenth century life and thought. 4 hours.
- 330. Modern British Poetry.** The tendencies in British poetry from 1880 to the present. 4 hours.
- 335. The Short Story.** A comparative study of the growth of the short story as a literary form. 4 hours.
- 354. Development of the English Novel.** Representative novels from Defoe through Scott. 4 hours.
- 355. Victorian Novel.** Backgrounds of the Victorian era and the work of the major novelists from Dickens to Hardy, including a survey of numerous less important figures. Ten novels are read and special short reports given on additional material. 4 hours.
- 360. English Drama to 1642.** Representative plays showing the development of the drama from the Greek and Roman to 1642. 4 hours.

361. **Restoration and Eighteenth Century Drama.** Intensive reading of plays and special reports. 4 hours.
362. **The Development of Tragic Drama from Aeschylus to the Present Time.** Principal tragic dramas and the shifting conceptions of tragic form and matter in the following ages: Ancient Greek, Roman, Renaissance, French Classical, Restoration, eighteenth and early nineteenth centuries, and the contemporary. 4 hours.
363. **Modern British Drama.** A survey of the drama since 1830 with intensive study of the most important plays after Ibsen. 4 hours.
366. **Shakespeare.** A selection of plays for intensive study and for outside reading. 4 hours.
368. **English Social Literature of the Nineteenth Century.** English prose and poetry which touches the principal social, political, economic, and religious problems of the century, designed to furnish a background for understanding twentieth century questions of a similar nature. 4 hours.
369. **Criticism of Literature.** The study, appreciation and criticism of literature and literary techniques. 4 hours.
370. **Milton.** The poetry of Milton, with emphasis on the forms, influences, and ethical values. 4 hours.
377. **Comparative Literature, Twentieth Century.** Development of naturalism in the novel. Twelve novels are read, six European and six American. 4 hours.
378. **Comparative Literature to the Renaissance.** The lectures will provide a background for the appreciation of early European literature with special emphasis on the classics of Greece and Rome. The readings will be selected from translations of the works of Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Plato, Virgil, Terence, Dante, and others. 4 hours.
379. **Comparative Literature from the Time of the Renaissance.** Recent literature other than English and American in translations of the works of Rabelais, Cervantes, Voltaire, Rousseau, Goethe, Heine, Turgenev, Dostoevsky, and others. 4 hours.
385. **A study of recent trends in the teaching of literature in the junior and senior high schools.**
- 390, 392. **Advanced Composition.** Credit will not be given for both 300 and 390. 3 hours.
500. **Seminar.**



508. **The Rise of Realism in American Fiction.** Extensive reading in American literature after the Civil War, with emphasis on local color, early realists, major realistic novelists, and early naturalists. 3 or 4 hours.
562. **Robert Browning.** Extensive reading in Browning's poetry, and study of his life and times, of the scholarship relating to him, and of the critical opinions that have been passed upon him. 3 or 4 hours.

## Speech

To obtain a minor in Speech, a student must complete the following courses: 210 (or 311), 220, 230, 315, 328, and 350 (if the student expects to teach), plus additional hours, totaling 24.

210. **Fundamentals of Speech.** 3 hours.
220. **Public Discussion and Debate.** Largely a laboratory course. Prerequisite, Speech 210 or equivalent. Fall. 4 hours.
224. **Inter-Collegiate Debate.** 2 hours per year; 8 hours maximum.
250. **Acting.** Prerequisite, 210 and 230. 3 hours.
311. **Fundamentals of Speech.** Not open to students who have taken 210. 3 hours.
315. **Radio Speech.** Prerequisite, 210 or equivalent. 3 hours.
328. **Play Production.** 4 hours.
- 330 (230). **Oral Interpretation.** Prerequisite, 210 or equivalent. 3 hours.
336. **Creative Dramatics for Children.** Speech 230 or Speech 328 is recommended as a prerequisite. 3 hours.
341. **Advanced Speech.** Prerequisite, Speech 210 or equivalent. 4 hours.
350. **Teachers' Problems.** 3 hours.

## FINE AND APPLIED ARTS

Forty-eight quarter hours are required for a major in Art. At least twenty-four hours must be in 300 courses. Art minors must have a total of twenty-four hours, with not less than twelve in 300 courses. Practice teaching for credit toward the B.S. in Education degree will be available throughout the year with Miss Roach in the elementary grades and Mrs. Swan in the high school.

100. **Introduction to Materials.** (Open to all students as recreation.) Experience in several media, such as pottery, weaving, wood, textiles, and paint. 3 hours.

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105. **Sketching.** (Open to all students as recreation.) Introduction to charcoal, pencil, pen and ink. 3 hours.
- 110, 111, 112. **Beginning Design and Theory of Color.** 4 hours each.
120. **Art Appreciation.** Contemporary art in everyday life. 3 hours.
125. **Lettering and Layout.** 3 hours.
- 135, 136, 137. **Pottery.** A year's sequence. 3 hours each.
150. **Beginning Composition.** Charcoal, pen and ink, and watercolor. 4 hours.
- 151 (131). **Intermediate Composition.** Block printing or wood carving. 4 hours.
152. **Advanced Composition.** Still-life painting. 4 hours.
- 215, 216, 217. **Contemporary Design.** 4 hours each.
225. **History of Architecture.** 4 hours.
226. **History of Sculpture.** 4 hours.
227. **History of Painting.** 4 hours.
- 245, 246, 247. **Figure Drawing.** Charcoal, pen and ink, oil, and watercolor. 4 hours each.
- 250, 251, 252. **Composition in Various Media.** 4 hours each.
275. **Advanced Advertising.** Prerequisite Art 125. 5 hours.
280. **Descriptive Drawing.** Designed for biology, geography, and history students. Maps, relief drawings, etc. 3 hours.
300. **Art Education in the Public Schools.** For elementary and high school teachers. 4 hours.
- 302, 303, 304. **Pottery and Ceramics.** 3 hours each.
315. **Interior Decoration.** 5 hours.
- 320, 321, 322. **Advanced Composition.** Landscape, landscape and figure, and portrait. 4 hours each.
- 325, 326, 327. **Composition Studio Course.** The student chooses his own project in a selected art form, preferably painting. Prerequisite, consent of the instructor. 4 hours each.
331. **Theories and Techniques of Renaissance Art.** It is recommended that this be integrated with History 315. 2 or 3 hours.
- 341, 342, 343. **History of Art.** 4 hours each.
345. **Nineteenth and Twentieth Century French Painting and Sculpture.** 3 hours.
346. **Contemporary American Painting and Sculpture.** 3 hours.



- 350, 351, 352 (405). Advanced Studio.** The student chooses his own field and his own instructor with whom he outlines his term project. He must meet with his instructor at the same time a similar class is given. Fourth-year majors only. Hours to be arranged with instructor.
- 355. Applied Esthetics.** (To be taken with Art 345). 3 hours.
- 360, 361, 362 (410). Seminar in History of Art.** Hours to be decided with instructor.
- 371, 372, 373 (400). Portrait Painting.** Offered only on request. Prerequisite, any composition course in oil and Art 245. Fourth-year majors only. 5 hours each.
- 375. Advertising Illustration.** 5 hours.
- 385, 386, 387. Weaving.** 3 hours each.
- 390. Ceramic Sculpture.** 3 hours.
- 391. Stone Sculpture.** 3 hours.
- 392. Architectural Modeling.** Suggested for art and industrial education majors. Offered on request. Hours to be arranged with instructor.
- 393, 394, 395. Applied Materials.** Applications of materials to practical campus problems. Prerequisite, Art 390. 5 hours each.

## FOREIGN LANGUAGES

For a major in a language, a student must complete 36 hours in the College of Education or 42 hours in the College of Liberal Arts and Sciences exclusive of 101, 102, and 103. At least one senior-college English and one senior-college history course should be included in the language major.

A minor consists of 24 hours of the language exclusive of 101, 102, and 103.

101 and 102 will not be counted as electives toward graduation unless 103 is also completed.

### French

- 101, 102, 103. Elementary Course.** 101 is open to students who have had no previous work in French. The prerequisite for 102 is 101 or one year of high school French. 3 hours each.
- 151, 152, 153. Intermediate Composition and Reading.** Prerequisite, 103 or two years of high school French. 3 hours each.

- 201, 202, 203. **Survey of French Literature.** Prerequisite, French 153. 4 hours each.
220. **French Conversation.** Prerequisite, French 151 or three years of high school French. 2 hours.
301. **The French Novel of the Eighteenth and Nineteenth Centuries.** Prerequisite, French 202. 3 hours.
302. **Seventeenth and Eighteenth Century French Drama.** Prerequisite, French 203. 3 hours.
303. **French Lyric Poetry.** Prerequisite, French 203. 3 hours.
304. **French Contemporary Novel.** Prerequisite, French 203. 3 hours.
305. **French Contemporary Drama.** Prerequisite, French 203. 3 hours.
- 315a. **French and English Literature in the Eighteenth Century** Offered jointly with English department. 5 hours.
340. **French Literature of the Sixteenth Century.** Prerequisite, French 203. 2 hours.
351. **Advanced Composition.** Prerequisite, French 203. 4 hours.
352. **French Conversation and Phonetics.** Prerequisite, French 203. 5 hours.
353. **Advanced Composition and Conversation.** Prerequisite, French 351, 352. 4 hours.
500. **Seminar in Contemporary French Literature.** For graduates only. 2 hours.
520. **Graduate Composition and Diction.** 4 hours.

### German

- 101, 102, 103. **Elementary Course.** 101 is open to students who have had no previous work in German; 102 is open to those who have had 101 or one year of high-school German. 3 hours each.
- 151, 152, 153. **Intermediate Composition and Reading.** Prerequisite, 103 or two years of high-school German. 3 hours each.
- 201, 202, 203. **Survey of German Literature.** Prerequisite, German 153. 4 hours each.
251. **Scientific German.** Prerequisite, German 152 or equivalent. 4 hours.
- 301, 302. **Nineteenth Century German Drama.** Prerequisite, German 203. 3 hours each.



- 303. Recent German Drama.** Prerequisite, German 302. 3 hours.
- 304, 305. Goethe, Life and Works.** Prerequisite, German 203. 3 hours each.
- 306. Goethe's Faust.** Prerequisite, German 305. 3 hours.
- 351. German Diction and Phonetics.** Required for prospective teachers of German. 5 hours.

### Latin

- 101, 102, 103. Elementary Course.** 101 is open to students who have had no previous work in Latin; 102 is open to those who have had 101, or one year of high-school Latin. 3 hours each.
- 151. Advanced Composition.** Prerequisite, Latin 103 or at least two years of high-school Latin. 4 hours.
- 152. Cicero's Essays.** Prerequisite as for Latin 151. 4 hours.
- 153. Livy.** Prerequisite as for Latin 151. 4 hours.
- 201. Phormio of Terence.** Prerequisite, Latin 153 or equivalent. 4 hours.
- 202. Horace's Odes and Epodes.** Prerequisite, Latin 153 or equivalent. 4 hours.
- 203. Letters of Pliny.** Prerequisite, Latin 153 or equivalent. 4 hours.
- 301. Cicero's Letters.** Prerequisite, Latin 203 or equivalent. 4 hours.
- 302. Vergil's Eclogues and Georgics.** Prerequisites as for Latin 301. 4 hours.
- 303. Tacitus.** Prerequisite as for Latin 301. 4 hours.
- 340A, 340B. Private Life of the Romans.** Either course may be taken separately. 340A, 3 hours; 340B, 2 hours.

Of the following courses three are given each summer, the selection being rotated to suit the needs of the student.

- 125. Selections from Historians.** 4 hours.
- 126. Ovid's Metamorphoses.** 4 hours.
- 127. Orations of Cicero.** Supplementary to high-school work. 4 hours.
- 335. Vergil's Aeneid, Books VII-XII.** 4 hours.
- 341. Method Latin.** A discussion and training course for teachers. 4 hours.
- 342. Advanced Composition.** A careful study based on classic prose-writers. 4 hours.

### **Portuguese**

100. **Introductory Course.** Especially for Spanish majors and minors. Open to students who have completed Spanish 153 and to others by consent of instructor. 5 hours.

### **Spanish**

- 101, 102, 103. **Elementary Course.** Prerequisite for 102 is 101 or one year of high-school Spanish. 3 hours each.
- 151, 152, 153. **Intermediate Composition and Reading.** Prerequisite. Spanish 103, or two years of high-school Spanish. 3 hours each.
- 201, 202, 203. **Survey of Spanish Literature.** Prerequisite, Spanish 153. 4 hours each.
220. **Spanish Conversation.** 2 hours.
301. **Spanish Novel of the Eighteenth and Nineteenth Centuries.** Prerequisite, Spanish 203. 3 hours.
302. **Spanish Drama of the Eighteenth and Nineteenth Centuries.** Prerequisite, Spanish 203. 3 hours.
315. **Arte y Cultura (in Spanish).** 3 hours.
333. **Spanish American Literature.** Prerequisite, Spanish 203, or permission of instructor. 3 hours.
340. **The Golden Age.** (The Dramatists.) Prerequisite, Spanish 203, or permission of instructor. 3 hours.
345. **Cervantes.** Prerequisite, Spanish 203, or permission of instructor. 4 hours.
351. **Advanced Composition.** Prerequisite, Spanish 203. 3 hours.
415. **Spanish Phonetics.** 3 hours.
500. **Seminar in Latin American Literature.** For graduates only. 2 hours.

### **Language**

320. **General Language.** This course is designed especially for students who will teach in elementary and rural schools. 4 hours.

### **Romance Philology**

410. **Romance Philology.** Open to both French and Spanish majors. 4 hours.



## GEOGRAPHY AND GEOLOGY

Persons who expect to teach in the elementary school are urged to take at least a minor in geography, which must include Geography 100 and 101. Other things being equal, students minoring in geography will be given recommendations for elementary positions over those who are not.

Individuals expecting to teach commercial or economic geography in high school with a medium preparation must have eight semester hours or twelve quarter hours of college preparation. Students should meet this requirement by taking Geography 100, 210, 304, and 324.

Individuals expecting to teach physical geography in high school with a medium of preparation must have twelve semester hours or eighteen quarter hours in college physical geography. Students should meet this requirement by taking Geography 101, 310, Geology 300, and any other physical geography subject (see list of geography courses listed as physical science below).

Offerings in various phases of geography:

Physical Science: 101, 201, 250, 300, 301, 302, 303, 306, 310, 338.

Social Studies: 100, 210, 304, 317, 319, 324, 328, 330, 345.

State and Continental: 313, 314, 315, 316, 318, 320, 321,

Educational: 340, 341, 342.

Geography 100, 101, and 210 are required of all geography majors and minors who enroll after 1939.

- 100. Global Geography.** Every term. 5 hours.
- 101. (205) Physical Geography.** Every term. 5 hours.
- 201. Soil Geology.** 4 hours.
- 210. Economic Geography** (Economics 210). 4 hours.
- 300. Geomorphology (Physical Geology).** 4 hours.
- 301. Structural Geology.** 4 hours.
- 302. Historical Geology.** 4 hours.
- 303. Economic Geology.** 4 hours.
- 304. Advanced Economic Geography** (Economics 304). 4 hours.
- 306. Map and Aerial Photo Reading.** 4 hours.
- 310. Meteorology.** Winter. 4 hours.
- 312. Synoptic Meteorology.**
- 313. Geography of Illinois.**
- 314. Geography of North America.** 3 hours. Krause.
- 315. Geography of Europe.** 4 hours. Cox.

- 316. **Geography of South America.** 4 hours.
- 317. **Economic History of the United States** (Economics 317).
- 318. **Geography of Asia.** 4 hours. Cox.
- 319. **Historical Geography of the United States.**
- 320. **Geography of Africa.** 4 hours. Cox.
- 321. **Geography of Australia.** 4 hours. Cox.
- 322. **Geography of the Pacific Realm.** 4 hours. Cox.
- 327. **Landforms of the United States.** 4 hours. Cox.
- 328. **International Trade** (Economics 328).
- 330. **Problems of Political Geography.** 4 hours. Cox.
- 338. **Physical Geography.** (Open only to in-service teachers who have not had Geography 101 or 205.) 4 hours.
- 340. **Geography for Kindergarten and Primary Teachers.** 4 hours. Barton.
- 341. **Intermediate Grade Geography.** 4 hours. Entsminger.
- 342. **Junior and Senior High School Geography.**
- 345. **Geopolitic.** 4 hours. Barton.
- 400. **Seminar.**
- 424 (324). **Restoration and Conservation of Natural Resources.**  
Required of all Social Science majors. 4 hours. Barton.

## **GOVERNMENT**

An undergraduate major in the College of Education consists of 36 quarters hours; a minor of 24 quarter hours.

A major or minor is recommended for those wishing to teach civics or government courses, and for those wishing to qualify for the study of law.

Senior college students are permitted to take advanced courses in government without any other prerequisites.

Students majoring in government are urged to take as much work as possible in other social science departments, with at least one minor in a related field.

Students planning to take graduate work in government beyond the M.A., should acquire a reading knowledge of both French and German.

Advice as to courses recommended in government and related fields can be obtained from members of the departmental staff.

- 200. **Contemporary Political Problems I.** 5 hours.
- 201. **Contemporary Political Problems II.** (Economics 201). 3 hours.
- 300 (231). **American National Government.** 4 hours.
- 315. **Administration of Justice.** 3 hours.
- 323. **School Law.** Offered jointly by the Department of Government and the Department of Education. 4 hours.
- 325. **War and Defense Policies.** 3 hours.
- 330 (235). **Illinois State Government.** 2 hours.
- 333. **Problems of Southern Illinois.** 3 hours.
- 335 (310). **Government and Business.** (Economics 335). 3 hours.
- 360. **Public Administration.** 4 hours.
- 366. **State and Local Government.** 3 hours.
- 367. **Municipal Government.** 3 hours.
- 370. **International Relations.** 4 hours.
- 372. **International Government.** 3 hours.
- 378. **Latin-American Culture and Politics.** Offered jointly by the Department of Government and the Department of Foreign Languages. 5 hours.
- 380. **Political Parties.** 4 hours.
- 385. **Contemporary Political "Isms".** 3 hours.
- 387. **American Political Ideas.** 4 hours.
- 390. **Comparative Government.** 3 hours.
- 420. **Pressure Groups and Politics.** 4 hours.
- 450. **Contemporary Legislation.** 4 hours.
- 475. (375) **International Law.** 3 hours.
- 495. **Constitutional Law.** 3 hours.
- 500-510. **Seminar.** Hours to be arranged.

## HISTORY

Thirty-six quarter hours are required for a major in history in the College of Education. In order to satisfy teaching requirements, students are urged to take at least 12 of the 36 hours in American history and 12 in European history. Forty-two quarter hours are required for a major in the College of Liberal Arts and Sciences.

- 105A. **Modern Europe, 1500-1945.** 5 hours. Offered every term.



- 110A. **American History, 1775-1945.** 5 hours. Offered every term.
208. **History of Illinois.** 5 hours. Wright.
210. **Methods of Teaching History.** 3 hours. Wright.
304. **History of the Ancient Near East.** 3 hours. Pardee.
305. **History of Greece.** 3 hours. Pardee.
306. **History of Rome, 509 B. C. to 500 A. D.** 3 hours. Pardee.
310. **The Middle Ages.** 5 hours. Barnes.
315. **Renaissance and Reformation.** 3 hours.
320. **The French Revoulution.** 4 hours. Lentz.
322. **English History to 1603.** 4 hours. Lentz.
323. **English History, 1603-1815.** 4 hours. Lentz.
324. **English History, 1815-1945.** 4 hours. Lentz.
325. **American Colonial History.** 3 hours.
330. **Middle Period of American History, 1815-1865.** 3 hours.  
Barnes.
335. **Recent American History, 1865-1945.** 3 hours. Lentz, Cramer.
336. **Recent American History, 1865-1945.** 3 hours. Wright, Cramer.
340. **History of American Diplomacy.** 5 hours. Cramer.
344. **European History, 1815-1870.** 3 hours.
345. **European History, 1870-1914.** 3 hours. Pardee.
352. **History of Latin-America, 1492-1808.** 3 hours. Barnes.
353. **History of Latin-America, 1808-1945.** 3 hours. Barnes.
375. **History of Culture, 1500-1870.** 3 hours. Barnes.
380. **The Far East, 1850-1945.** 3 hours.
442. (343) **History of the West, 1763-1803.** 3 hours.
443. (343) **History of the West, 1803-1848.** 3 hours.
450. (350) **The World Since 1914.** 5 hours. Barnes. Cramer.
476. (376) **History of Culture, 1870-1945.** 3 hours. Barnes.
500. **History Seminar. Research in Regional history, 1865-1945.**  
3 hours. Barnes.
510. **Special Reading Course.** 3 hours. Barnes.

### **Journalism**

200. **Principals of Journalism.** 4 hours.
300. (400) **Journalism Seminar.** 3 hours.

## HOME ECONOMICS

Students may select one of three majors.

In the College of Education they may qualify to teach in a vocational high school by taking the major of 49 hours consisting of the courses marked by E.

In the College of Liberal Arts and Sciences, the courses marked by a \* are required. This major does not prepare for teaching, but is designed especially for future homemakers.

In the College of Vocations, in the field of Dietetics or Institutional Management, the courses marked by V are required. These should be taken at the earliest opportunity to preserve sequence.

It is most important to secure the approval, by a member of the Home Economics staff, of each term's schedule.

- 105. **\*Foods and Cookery.** An introductory course in foods planned as an elective for freshmen. Fall. 3 hours. Barnes.
- 127. **E\*V Clothing.** Making of underclothing and simple washable dresses over commercial patterns. Fall and Spring. 3 or 4 hours. Woody.
- 135. **E\*V Textiles.** Appreciation of values in the choice of fabrics for clothing and house furnishings. Winter. 4 hours. Woody.
- 205. **EV Foods and Cookery.** Production, marketing, and nutritive value of foods. Laboratory work in carbohydrates and fats. Majors must have one year of inorganic chemistry. Fall. 4 hours. Barnes
- 206. **EV Foods and Cookery.** Production, marketing, preparation, and food values of meat and other protein foods, and of wheat flour. Winter and Spring. 4 hours. Barnes.
- 211. **Introduction to Home Economics.** A study of the opportunities for women trained in Home Economics and the qualifications necessary for attaining various positions. Opportunity for individual conference will be given .
- 220. **\*Food in Health.** An elective course planned to help college students with their dietary problems. Winter. 3 hours. Barnes.
- 224. **E\*V Housing and Equipment.** Planning and building of the home and choice of its basic equipment chiefly from the standpoint of cost, comfort, and service. Fall. 4 hours. Woody.
- 225. **Survey Course in Home Economics.** A course planned especially for those electing a major in elementary education. Units of work in nutrition, school lunches, family and social relationships, textiles, and clothing.
- 227 (327). **E\*V Family Relationships.** A study of the factors that promote stability in the family group and the responsibilities of the family toward community life. Winter. 3 hours. Babcock.

228. **V Art Needlework.** The laboratory work done in this course acquaints a student with a variety of ways to decorate garments and furnishes a fund of ideas for originality in dress design. 2 hours. Woody.
230. **EV Costume Selection and Design.** Dresses designed in inexpensive materials and in pencil. Winter. 2 hours. Woody.
251. **V Clothing Selection and Care.** Becomingness of clothes as to color, line, and interest is discussed. Expenditures for clothing and care in service and in storage are considered as factors in choice and conservation. 3 hours. Woody.
- 251A. **V Care of Clothing and Household Textiles.** Short course dealing with a variety of mending procedures, problems or stain removal, laundering, and storage. Basic facts about textiles necessary to the application of the above. 2 hours. Woody.
- 307 (237). **E\*V Child Care and Training.** A brief study of the physical and mental development of the child and practical aspects of its care and training. Prerequisite, Education 206. Fall. 3 hours. Babcock.
308. **E Home Economics Education.** Philosophy of Vocational Education. Winter. 4 hours.
309. **E Home Economics Education.** Methods of Teaching Home Economics. Prerequisite or concomitant, 308. Winter. 4 hours. Babcock.
320. **EV Nutrition and Dietetics.** A study of the body's need for energy, growth, and regulation. Planning of dietaries for people of various ages and activities and different cost levels. Prerequisites, Home Economics 205, 206 and at least one term of organic chemistry. Spring. 4 hours. Barnes.
322. **Textiles and Clothing.** A course organized to help senior college majors in Home Economics to meet the requirements prerequisite to senior college courses. 3 hours. Woody.
325. **E\*V Home Management, Lectures.** Managerial problems involved in the use of time, energy, and money. Spring. 3 hours. Babcock.
- 325A. **E\*V Home Management, Residence.** Actual experience in a house, with various household management problems. Prerequisites or required concomitants, 307, 327. Spring. 4 hours. Babcock.
326. **E\* Home Furnishings.** Good taste in the choice of many things used in the home. No prerequisite. Spring. 4 hours. Woody.



- 328. V Personal and Family Living and Home Management.** This course is planned for students majoring in Dietetics and Institutional Management. It deals with the relationships within the family group and the management problems of the home. 3 hours. Babcock.
- 335. E\*V Meal Planning and Table Service.** Selection and care of table appointments. Planning, preparation, and serving of formal and informal meals. Winter. 4 hours. Barnes.
- 340. Diet and Disease.** Modifications of the normal diet as necessitated by diabetes, goitre, gastric ulcers, fevers, etc. Prerequisite, 220, or 320. Required for majors in hospital dietetics. Last half of the Spring term. 3 hours. Barnes.
- 350. V Institutional Furnishings and Equipment.** A study of fabrics and furniture as a basis for choice of decoration of various institutions in which a dietitian might work, and a study of equipment from the stand-point of use, care, and cost for these institutions are undertaken in this course. 3 hours. Woody.
- 352. V Quantity Cookery.** Food problems of institutions, including finance, menu-making, food preparation, and service. Experience in the college cafeteria.
- 356. V Experimental Cookery.** Advanced food preparation from the experimental stand-point. 4 hours. Barnes.
- 357. V Advanced Nutrition and Dietetics.** Reports and discussions and problems dealing with the nutritive value of foods; feeding experiments and dietary studies. 4 hours. Barnes.
- 360. E Advanced Dressmaking.** Includes tailoring in wool and developing dresses in materials chosen for variety in pattern. Fall. 4 hours. Woody.
- 361. V Problems on Fitting.** In this course students receive experience in fitting different people and in handling different types of material, each of which presents certain difficulties. It is not the aim of the course to complete dresses but to do only enough stitching to carry the fitting to completion. 3 hours. Woody.
- 362. V Tailoring.** This course involves making of a tailored dress, an unlined coat, and such practice in the details of tailoring as are necessary before application to the garments. 4 hours. Woody.

## INDUSTRIAL EDUCATION

The department of Industrial Education offers curricula for men and women in the College of Education and the College of Vocations and Professions.

In the College of Education curricula leading to the bachelor's degree are designed for prospective teachers of Industrial Arts and Industrial Vocational Education for the elementary and high schools.

In the College of Vocations and Professions curricula leading to the Bachelor of Science Degree are designed for industrial workers in various trades and other positions in industry.

Intensive study in curricula designed to prepare workers in as short a period of time as possible will be provided those persons who want to develop employability or increase their skill in specific jobs but are not candidates for the degree. These curricula will be adapted to the needs of the individual students, and are open to all people who can benefit by such work. They will vary in length from a few weeks to three years. They will accommodate persons who want to learn a new vocation or upgrade themselves in the work in which they are now employed.

Sixteen hours of work in Industrial Education may be applied toward the degree in the College of Liberal Arts and Sciences.

- 101. **Mechanical Drawing.** 4 hours.
- 102. **Architectural Drawing.** 4 hours.
- 103. **Machine Drawing.** 4 hours.
- 140. (111). **General Shop.** 4 hours.
- 141. (112). **General Shop.** 4 hours.
- 142. **General Shop.** 4 hours.
- 211. **Woodwork.** 4 hours.
- 212. **Furniture Design and Construction.** 4 hours.
- 221. **Art Metal.** 4 hours.
- 225. **Sheet Metal.** 4 hours.
- 226. **General Metal.** 4 hours.
- 230 (203). **Elementary Handwork.** 3 hours.
- 231. **Laboratory of Arts and Industries.** 4 hours.
- 304. **Advanced Architectural Drawing.** 4 hours.
- 305. **Advanced Machine Drawing.** 4 hours.
- 306. **Industrial Arts Design.** 4 hours.
- 307. **Vocational Drafting.** 4 hours.
- 308. **Vocational Drafting.** 4 hours.
- 309. **Vocational Drafting.** 4 hours.
- 313. **Furniture Construction.** 4 hours.
- 314. **Pattern Making and Foundry.** 4 hours.
- 320. **Electrical Construction.** 4 hours.

- 322. **Machine Metal.** 4 hours.
- 323. **Machine Metal.** 4 hours.
- 324. **Machine Metal.** 4 hours.
- 325. **Vocational Machine Shop.** 4 hours.
- 326. **Vocational Machine Shop.** 4 hours.
- 327. **Vocational Machine Shop.** 4 hours.
- 330 (431). **Special Problems in the Arts and Industries.** 4-12 hours.
- 331. **Industrial Education Seminar.** Study and research as to methods of making and using instructional aids in industrial Education. Credit to be arranged with teacher.
- 332. **Industrial Education Seminar.** Design of Industrial Education projects and their preparation for publication. Credit to be arranged with teacher.
- 333. **Problems of Industrial Education.** 4 hours.
- 337. **Organization of Industrial Education Shops and Courses.** 4 hours.

## MATHEMATICS

Students who are beginning college mathematics may choose Mathematics 106 or 111. Either course satisfies part of the physical-science requirement and counts toward a major or minor in mathematics. Mathematics 111 is recommended for students who may want to take more than two mathematics courses, including all who expect to major in chemistry, physics, or mathematics. No student is allowed credit for both 106 and 111.

- 106. **General Mathematics I.** Topics in college algebra and business mathematics. 4 hours. Prerequisite, high-school algebra (1 year).
- 107. **General Mathematics II.** Business mathematics, including annuities certain, life annuities, and life insurance. 4 hours. Prerequisite, 106 or 111.
- 111. **Elementary Mathematical Analysis I.** Topics in college algebra, including logarithms. 4 hours. Prerequisite, high school mathematics (2 years).
- 112. **Elementary Mathematical Analysis II.** Trigonometry. 4 hours. Prerequisite, 111 or 106.
- 113. **Elementary Mathematical Analysis III.** Plane analytic geometry. 5 hours. Prerequisite, 112.
- 210. **Mathematics for Elementary Teachers.** 4 hours.



- 212 (312). **Spherical Trigonometry.** 3 hours. Prerequisite, 112.
- 230 (313). **Solid Analytic Geometry.** 4 hours. Prerequisite, 113.
251. **Calculus I.** 4 hours. Prerequisite, 113. Fall.
252. **Calculus II.** 4 hours. Prerequisite, 251. Winter.
303. **Calculus III.** 4 hours. Prerequisite, 252. Spring.
305. **Differential Equations I.** 3 hours. Prerequisite, 252.
306. **Differential Equations II.** 3 hours. Prerequisite, 305
307. **Statistical Methods.** 5 hours. Prerequisite, two terms of college mathematics.
311. **The Teaching of Secondary Mathematics.** 3 hours. Prerequisite, four terms of college mathematics.
- 317 (206). **Mathematical Theory of Finance.** 3 hours.
320. **Theory of Equations I.** 3 hours. Prerequisite, 251.
325. **Mathematics for Primary Teachers.** 3 hours. Prerequisite, 210. Mott.
- 421 (321). **Theory of Equations II.** 3 hours. Prerequisite, 320.
- 430 (330). **Synthetic Projective Geometry.** 4 hours. Prerequisite, 113.
- 451 (351). **Infinite Series.** 3 hours. Prerequisite, 303.
- 452 (352). **Foundations of the Calculus.** 3 hours. Prerequisite, 303.
- 460 (360). **Modern Geometry.** 4 hours. Prerequisite, twelve hours of college mathematics.
520. **Introduction to Modern Algebra.** 4 hours.
550. **Readings in Mathematics.** 3 hours.

## MUSIC

Fifty quarter hours are required for a major in music. These must include 105, 106, 107, 225, 230, 231, and twelve quarter hours of applied music in the major applied, and six quarter hours in the minor applied. For other requirements, the student should consult the Head of the Music Department.

Scholarships amounting to ten dollars each per term are available to the most valuable and talented members of the college music organizations—the band, orchestra, chorus, and women's ensemble.

All music majors must maintain satisfactory membership in at least one college music organization during their college attendance.

- 100 (205). **Music Understanding.** 3 hours.

- 105. **Introductory Music Theory, Sight Singing, and Ear Training.** 3 hours.
- 106. **Sight Singing and Ear Training.** 3 hours.
- 107. **Advanced Sight Singing and Ear Training.** 3 hours.
- 220. **Rural School Music.** 4 hours.
- 225. **Harmony I.** 4 hours.
- 230. **Harmony II.** 4 hours.
- 231. **Harmony III.** 4 hours.
- 300. **Materials, Methods, and Problems Pertaining to Music Taught in the First Six Grades.** 4 hours.
- 302. **School Music Materials.** 3 hours.
- 304. **Music Appreciation.** Prerequisites, 100 and 305-I or 305-V. 3 hours.
- 305-I. **Instrumental Problems, Materials and Conducting.** 3 hours.
- 305-V. **Vocal Problems, Materials and Conducting.** 3 hours.
- 306. **Materials, Methods and Problems Pertaining to Vocal Music Taught in the Junior High School.** 3 hours.
- 307. **Recreational Music and Singing Games.** 3 hours.
- 310. **Orchestration.** 2 hours.
- 311. **Bandstration.** 2 hours.
- 312. **Musical Form and Harmonic Analysis.** Prerequisite, 231. 4 hours.
- 315. **Choral Reading.** 2 hours.
- 316. **Advanced Choral Reading.** A continuation of 315. 2 hours.
- 317. **Advanced Choral Reading.** A continuation of 316. 2 hours.
- 320. **Modern Harmony.** 4 hours.
- 322. **Free Composition.** Prerequisites, two courses from the following group: 312, 320, 325, 330. Admission only with permission of the instructor. 4 hours.
- 325. **Counterpoint.** 4 hours.
- 330. **Advanced Counterpoint.** 4 hours.
- 335. **Music History.** 3 hours.
- 336. **Music History.** 3 hours.
- 337. **Music History.** Begins with Wagner and emphasizes the modern period. 3 hours.

- 340 (401). **Music Esthetics Research.** Student must have permission of the Head of the Music Department before taking this work. 1 hour or more by arrangement.
355. **Chamber Music.** 2 hours.
365. **Chamber Music for Woodwind or Brass Instruments.** 2 hours.
375. **Keyboard Harmony.** Improvisation, transposition, and modulation. Prerequisite, at least four years of piano study and one year of harmony. 3 hours.

### **Applied Music**

- 150, 151, 152. **First-Year Violin.** Class or private lessons. 1 hour each.
- 160, 161, 162. **First-Year Woodwind and Brass.** Class or private lessons. 1 hour each.
163. **Wind and Percussion Class Lessons.** Summer. 3 hours.
- 170, 171, 172. **First-Year Piano.** Class or private lessons. 1 hour each.
173. **Piano Class Lessons.** Summer. 3 hours.
- 190, 191, 192. **First-Year Voice.** Class or private lessons. 1 hour each.
193. **Voice Class Lessons.** Summer. 3 hours.
- 250, 251, 252. **Second-Year Violin.** Class or private lessons. 1 hour each.
- 260, 261, 262. **Second-Year Woodwind and Brass.** Class or private lessons. 1 hour each.
- 270, 271, 272. **Second-Year Piano.** Class or private lessons. 1 hour each.
- 290, 291, 292. **Second-Year Voice.** Class or private lessons. 1 hour each.
- 350, 351, 352. **Third-Year Violin.** Class or private lessons. 1 hour each.
- 356, 357, 358. **Fourth-Year Violin.** Private lessons only. 1 hour each.
- 360, 361, 362. **Third-Year Woodwind and Brass.** Private lessons only. 1 hour each.
- 370, 371, 372. **Third-Year Piano.** Private lessons only. 1 hour each.
- 390, 391, 392. **Third-Year Voice.** Private lessons only. 1 hour each.



## PHILOSOPHY

A minor in philosophy consists of twenty-four term hours. Certain closely related subjects in other departments may be counted on the minor, subject to the consent of the philosophy instructor.

- 200. Approaches to Knowledge.** 3 hours.
- 290, 390. American Thought.** 4 hours.
- 300. Types of Philosophy.** This course fills the philosophy requirement in the College of Liberal Arts and Sciences. 4 hours.
- 310. Introduction to Reflective Thinking.** 3 hours.
- 316. Ethics.** This course fills the philosophy requirement in the College of Liberal Arts and Sciences. 4 hours.
- 320. Philosophy of Religion.** 4 hours.
- 345. Philosophy of Art.** 4 hours.
- 355. Philosophy of Education.** This course may count on the education requirement as Education 355. 4 hours.

## PHYSICAL EDUCATION FOR MEN

P. Ed. 151, 152, and 153 are required of all freshmen. All students must have these courses for graduation, or offer in lieu thereof three quarters of competition on a varsity squad, each quarter in a different sport. P. Ed. 145, 149, 151, 152, 153, 170, 171, 172, 173, 174 do not count toward a major or minor.

Thirty-six quarter hours in the Department of Physical Education and approval of the head of the department are required for a major.

The following courses in the Physiology Department are recommended for majors and minors: 209a 230, 300, and 303.

- 145. Physical Education.** The equivalent of 151, 152, 153. Summer. 2 hours.
- 149. Modified Physical Education.** For students with functional or structural disorders. (Credit equivalent to 151, 152 or 153.) Five hours a week. 2 hours.
- 151. Physical Education.** Five hours a week. Fall. 2 hours.
- 152. Physical Education.** Five hours a week. Winter. 2 hours.
- 153. Physical Education.** Five hours a week. Spring. 2 hours.
- 170, 171, 172, 173, 174.** Two quarter hours credit may be earned by participation in one of the following varsity sports: football, basketball, track, tennis, and gymnastics.

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201. **Boxing.** The theory and practice of boxing. One hour a day, four days a week. Winter. 3 hours.
202. **Wrestling.** The theory and practice of wrestling. One hour a day, four days a week. Winter. 3 hours.
203. **Gymnasium Activities I.** Two hours a day, four days a week. Winter. 4 hours.
210. **Techniques of Basketball.** One hour a day, four days a week. Winter. 2 hours.
220. **Recreational Activities I.** One hour a day, four days a week. 2 hours.
221. **Recreational Activities II.** One hour a day, four days a week. 2 hours.
230. **Folk Dancing.** Winter. Two days a week. 1 hour.
236. **Tap and Character Dancing.** Two days a week. 1 hour. Winter.
250. **Materials and Methods for Teaching Physical Education in the Elementary Schools.** One hour a day, four days a week. Spring. 4 hours.
- 251, 252, 253. **Physical Education.**
256. **Track and Field Theory and Techniques.** Two hours a day, five days a week. Spring. 5 hours.
257. **Techniques of Football.** One hour a day, four days a week. Fall. 2 hours.
258. **Football Theory.** Prerequisite, 257, or permission of the instructor. One hour a day, three days a week. Fall. 3 hours.
260. **Playground Administration.** One hour a day, five days a week. 4 hours.
301. **Gymnasium Activities II.** A continuation of Gymnasium Activities I. Two hours a day, five days a week. Prerequisite, 203. Winter. 5 hours.
302. **Materials and Methods for Teaching Physical Education Activities in Junior and Senior High Schools.** One hour a day, four days a week. 4 hours.
303. **Kinesiology.** Prerequisite, Physiology 209a. One hour a day, five days a week. 5 hours.
325. **Recreational Leadership.** Two hours a day, five days a week. 4 hours.

- 330. Theory of Basketball.** One hour a day, three days a week. Prerequisite, Physical Education 210. 3 hours.
- 353. Organization and Administration of Physical Education.** One hour a day, four days a week. 4 hours.

## PHYSICAL EDUCATION FOR WOMEN

The courses required for graduation must include the following:

- (I) Three courses selected from the following group:  
101, 101A, 102, 102A, 103, 103A, and
- (II) Three courses selected from the following: 201A, 202A, 203A, 211, 212, 213, 214, 215, 216, 218, 222, 230, 233, 236, and 239.
- (III) However, students majoring or minoring in physical education must take the following courses: 104, 105, 106, 223, 224, and 225, which corresponds to the six (6) activity hours required of all college students.

Not more than one of these courses may be taken in any one term without special permission from the Department.

Students who are advised by the Medical Department to restrict their activities should register in a course marked with an "A" following the number or one that is marked \*.

Forty-two (42) hours in addition to the above listed courses are required for a major in physical education, a total of forty-eight (48) hours. Twenty-four (24) hours are required for a minor in physical education.

A major in this Department must include the following courses: 245, 303, 304, 305, 306, 307, 308, 350, 351, 352, 353, 313, 314, 315, 413, 414, and 415.

A minor in this Department must include the following: 244, 245, 305, 306, 307, 308, and 350.

All activity courses numbered 100 meet three (3) days a week.

All activity courses numbered 200 meet two (2) days a week.

**101. Volleyball and Soccer.** Fall. 1 hour.

**101A. Individual Physical Education.** Horseshoes, roque, miniature golf, badminton, and shuffleboard. Fall. 1 hour.

**102. Basketball and Folk Dancing.** Winter. 1 hour.

**102A. Individual Physical Education.** Table tennis, bowling, postural corrections. Winter. 1 hour.

**103. Softball and Stunts.** Spring. 1 hour.

**103A. Individual Physical Education.** Paddle tennis, golf, fundamental rhythms. Spring. 1 hour.



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104. **Volleyball and Speedball.** For majors and minors. Fall. 1 hour.
105. **Basketball and Folk Dancing.** For majors and minors. Winter. 1 hour.
106. **Softball and Stunts.** For majors and minors. Spring. 1 hour.
- 201A. **Adapted Physical Education.** Special hours to be arranged by conference.
- 202A. **Adapted Physical Education.** Special hours to be arranged by conference.
- 203A. **Adapted Physical Education.** Special hours to be arranged by conference.
211. **Hockey.** Fall. 1 hour.
212. **Basketball.** Winter. 1 hour.
213. **Softball.** Spring. 1 hour.
- \*214. **Archery.** 1 hour.
- \*215. **Badminton.** 1 hour.
216. **Tennis.** 1 hour.
218. **Individual Sports.** Badminton, duck pins, and other recreational sports. Not open to those who have had 101A, 102A, and 103A.
- \*222. **Golf.** Spring. 1 hour.
223. **Hockey Techniques and Skills.** For majors and minors. Fall. 1 hour.
224. **Tap Dancing.** For majors and minors. Winter. 1 hour.
225. **Skills and Techniques of Tennis.** For majors and minors. 1 hour.
- \*230. **Folk Dancing.** Winter. 1 hour.
233. **Modern Dance.** 1 hour.
- \*236. **Tap and Character Dancing.** Winter. 1 hour.
- \*239. **Social Dancing.** Beginners only. Winter. 1 hour.
313. **Speedball.** For majors and minors. Fall. 1 hour.
314. **Modern Dance.** For majors and minors. Winter. 1 hour.
315. **Golf.** For majors and minors. Spring. 1 hour.
316. **Swimming.** Spring. 1 hour.
413. **Archery.** For majors and minors. Fall. 1 hour.

- 414. **Advanced Dancing.** For majors and minors. Winter. 1 hour.
- 415. **Recreational Sports.** For majors and minors. Spring. 1 hour.
- 416. **Advanced Modern Dancing.** Prerequisite, 233 or 314, or consent of instructor. 1 hour.

### Theory Courses

- 244. **Survey and Introduction to Physical Education.** Fall. 2 hours.
- 245. **Conduct of Play Activities.** Winter. 4 hours.
- 248. **Club and Community Leadership.** Spring. 2 hours.
- 303. **Kinesiology.** Taught in the Department of Physical Education for Men. Spring. 5 hours.
- 304. **Techniques of Seasonal Sports.** Soccer and Volleyball. Fall. 2 hours.
- 305. **Techniques of Seasonal Sports.** Hockey and Speedball. Fall. 2 hours.
- 306. **Techniques of Seasonal Sports.** Winter. 2 hours.
- 307A. **Techniques of Teaching Seasonal Sports.** Tumbling, Stunts, Track and Field. Spring. 2 hours.
- 307B. **Techniques of Teaching Seasonal Sports.** Softball and Tennis. Spring 2 hours.
- 308. **Method of Teaching Dance.** Winter. 2 hours.
- 310. **Theory of Officiating.** Field hockey. Fall. 1 hour.
- 311. **Theory of Officiating.** Basketball. Winter. 1 hour.
- 312. **Theory of Officiating.** Softball and other seasonal sports. Spring. 1 hour.
- 319. **(219) Teaching Elementary School Group Activities.** Required of all students majoring in elementary education. Spring. 3 hours.
- 345. **Supervision of Physical Education.** Spring. 2 hours.
- 350. **Materials and Methods for Teaching in Elementary and Secondary Schools.** Fall. 3 hours.
- 351. **Recreation and Physical Education for the Atypical and Handicapped Individual.** Fall. 3 hours.
- 352. **History and Principles of Physical Education.** Winter. 4 hours.
- 353. **Organization and Administration of Physical Education.** Spring. 4 hours.

## PHYSICS AND ASTRONOMY

A major consists of thirty-six quarter hours, a minor of twenty-four. Majors, and minors so far as is practicable, should take mathematics courses 111, 112, 113, 251, 252 and 303.

**101, 102. Survey Course in Physics.** A two term course in general college physics. 4 hours.

**109. Household Equipment.** 4 hours.

**206. Mechanics and Sound; 207. Magnetism and Electricity; 208. Heat and Light.** These constitute a general college course in physics for those who have had high school physics. 4 hours each.

**240. Aeronautics.** Selected basic material in the subject. 4 hours.

**301. Mechanics.** 4 hours.

**301A. Analytical Mechanics for Engineers.** No student should take both 301 and 301A. Prerequisite, Calculus or registration therein. 4 hours.

**303. Heat.** 4 hours.

**305. Magnetism and Electricity.** 4 hours.

**306. Magnetic and Electrical Measurements.** 4 hours.

**308. Sound.** 4 hours.

**310. Light.** 4 hours.

**312. Radio.** 4 hours.

**314. Introduction to Modern Physics.** 4 hours.

**316. History of Physics.** 4 hours.

**401. Mechanics, Advanced.** 4 hours.

**405. Electricity and Magnetism, Advanced.** 4 hours.

**410. Light.** 4 hours.

**414. Modern Physics Theory.** 4 hours.

### Astronomy

**201, 202. Descriptive Astronomy.** 4 hours.

**301, 302. General Astronomy.** 4 hours.



**PHYSIOLOGY AND HEALTH EDUCATION**

- 200. Control of Communicable Diseases in Public Schools. 3 hours.**
- 202. Health Education. 4 hours.**
- 203. Physical Handicaps of Learning. 3 hours.**
- 206. Hygiene of the Home. 2 hours.**
- 209a. Introduction of Physiology. 4 hours.**
- 210. Home Nursing. 4 hours.**
- 225. Community Health Problems. 2 hours.**
- 230. Safety in Physical Education and First Aid. 2 hours.**
- 231. First Aid (Advanced). 1 hour.**
- 300. Anatomy. 4 hours.**
- 301. Bacteriology. 4 hours.**
- 303. Physiology of Exercise. 2 hours.**
- 306. Teaching of Health Education. 3 hours.**
- 310. Public Health Aspects of Maternal Hygiene. 2 hours.**
- 311. Child Development. Physical development from prenatal stages through adolescence. 2 hours.**
- 315. Physiology of Blood, Circulation, and Respiration. 4 hours.**
- 316. Advanced College Physiology, Gastro-Intestinal and Endocrine. 4 hours.**
- 317. Advanced College Physiology, Nervous System and Special Senses. 4 hours.**
- 350. Health Education Methods Applicable to Public Schools. 4 hours.**
- 360. Fundamentals of Clinical Laboratory Testing. 2 hours.**
- 361. Summer Workshop in Health Education. 6 hours.**
- 365. Introduction to Pathology. Histological. 2 hours.**
- 440. Special Problems in Cellular Physiology. 2 hours.**
- 441. Special Problems in Cellular Pathology. 2 hours.**
- 455. Health Education in the Public Schools. 3 or 4 hours.**
- 590. Problems, and Introduction to Research in Health Education and Physiology. 4 hours.**
- H. Honors Course. Introduction to research. 4 hours.**

## SOCIOLOGY

A major in sociology consists of 42 quarter hours in the College of Liberal Arts and Sciences and 36 hours in the College of Education.

Those who plan to do graduate work in sociology should major in sociology. Work in sociology is recommended also for those planning to enter the ministry.

Students majoring in sociology are urged to minor in at least one other social science department and to take work in all the social sciences.

Geography 324 and History 375 or 376 may be counted toward a major in sociology.

Orientation for Social Work (See page 48)—Those who plan to go into social work upon graduation should consult with the Head of the Sociology Department concerning the special orientation courses for social work.

- 101. **Introductory Sociology.** 5 hours.
- 201. **Sociology of Rural Life.** 3 hours.
- 202. **Social Pathology.** 4 hours.
- 203. **Modern Marriage and the Family.** 3 hours.
- 210. **Cultural Anthropology.** (Economics 211). 3 hours.
- 215. **Population Problems.** (Economics 215). 2 hours.
- 305. **Social Institutions.** (Economics 306).
- 310. **The Family.** 3 hours.
- 311. **Urban Sociology.** 3 hours.
- 315. **Crime and Its Treatment.** 4 hours.
- 320 (220). **Race Relations.** 3 hours.
- 321. **Teaching of the Social Studies in High School.** 2 hours.
- 325. **Industrial Sociology.** 4 hours.
- 330. **Propaganda Analysis.** 3 hours.
- 331. **Social Control.** 3 hours.
- 333. **Problems of Southern Illinois.** (Government 333). 3 hours.
- 335. **Introduction to Social Works.** 3 hours.
- 339. **Guidance and Student Personnel Administration.** 4 hours.
- 340. **Educational Sociology.** 3 hours.
- 348. **Principles of Social Case Work.** 3 hours.

- 355. **Social Psychology.** 3 hours.
- 360. **Social Security.** (Economics 361). 4 hours.
- 365 (210). **Cultural Anthropology.** (**Economics 211**). 4 hours.
- 369. **Sociology of Leadership.** 3 hours.
- 370. **Social Implications of Religions.** 4 hours.
- 375. **Community Organizations.** 3 hours.
- 381. **Personality and Social Adjustments.** 4 hours.
- 400. **The Rise and Fall of World Cultures.** 4 hours.
- 401 (301). **Juvenile Delinquency.** 3 hours.
- 410. **Social Research Methods.** 3 hours.
- 448. **Advanced Social Case Work.** Prerequisite, Soc. 348. 4 hours.
- 450 (350). **History of Social Thought.** 3 hours.
- 481. **Research in Personality and Social Adjustment.** 4 hours.
- 492 (390). **Social Background of World War II.** 5 hours.

## ZOOLOGY

A total of forty to forty-four quarter hours is required for a major in Zoology. Six courses are required for a minor.

Zoology 101, 105, 200, 201, 300, 320 and 335 or their equivalents are required of all majors in Zoology.

Zoology 101, 200, 201, 300, 320 and 321 are courses which will be of great value to pre-medical and pre-dental students, and those planning to take nurses' training.

- 101. **General Vertebrate Zoology.** 5 hours.
- 105. **General Invertebrate Morphology.** 5 hours.
- 200. **Comparative Vertebrate Anatomy I.** Skeleton and Muscles. Prerequisite, Zoology 101. 5 hours.
- 201. **Comparative Vertebrate Anatomy II.** Digestive, circulatory, nervous and reproductive systems. 5 hours. Prerequisite, Zoology 200.
- 210. **General Ornithology.** Prerequisite, Zoology 101. 4 hours.
- 215. **Entomology.** Prerequisite, Zoology 105. 4 hours.
- 220. **Field Zoology.** Prerequisites, Zoology 101 and 105. 5 hours.
- 300. **Vertebrate Embryology.** Prerequisite, Zoology, 101, 201. 5 hours.



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315. **Genetics.** Prerequisite, approval of the Department. 5 hours.
335. **Taxonomic and Field Zoology.** 4 hours. Not to be taken by students who have had Zoology 220.
351. **Economic Biology.** 4 hours.
380. **History of Biology.** Prerequisites, one year of botany and zoology. 4 hours.
- 405 (305). **Comparative Anatomy of Invertebrates.** Prerequisites, Zoology 105. 4 hours.
- 420 (320). **Histology of Organs.** Prerequisite, one year of zoology. 4 hours.
- 421 (321). **Histological Technique in Biology.** 5 hours.
- 470 (370). **Methods in Biology.** 4 hours.
- 500 (400). **Parasitology.** Prerequisites, two years of zoology. 4 hours.
- 510 (410). **Bio-ecology.** Prerequisites, Zoology 220 and Botany 203. 4 hours.

**DEGREES AWARDED, 1944****Bachelor of Science in Education Degree**

Bessie M. Allen  
 Harriett Gertrude Barkley  
 Mary Catherine Barnett  
 Virginia McKemie Belt  
 Helen Edith Berry  
 Helen Weaver Boatman  
 Betty A. Boatright  
 Wiltz A. Book  
 Edward Merle Bright  
 Mildred Mae Brown  
 Merle D. Broyles  
 Kenneth D. Carroll  
 Samuel Edward Carruthers  
 Druie E. Cavender, Jr.  
 Norman Olsen Clarke  
 Lois Elaine Coulson  
 Dorothy June Cox  
 Carroll Eugene Craig  
 Clyde Bert Crain  
 Dorothy Avis Crim  
 Clyde Eldon Croslin  
 Elizabeth R. Cunningham  
 Mary Ellen Daniel  
 Alma Catherine Darsnek  
 Helen Marie Nelson Davis  
 Lillian Eloise Harris Davis  
 Mary Ellen Davison  
 Mary Louise Davison  
 Alice Caroline Doley  
 Nellie Kathryn Doty  
 Constance Elizabeth Duck  
 Mildred Marie Eason  
 Ethel J. Eveland  
 Olinda Feuer  
 Kenneth E. Finn  
 Charles Edward Foehner, Jr.  
 Reginald E. Frailey  
 Nancy Lee Freeman  
 Carl Roger Gasaway  
 James Homer George  
 Mary Edna Gibbs  
 Everett Goddard  
 Weston R. Hansen  
 Floyd Edwin Harris  
 Phyllis Cox Harris  
 H. David Hartstein  
 Bonnie Marie Heller  
 Bettye Mae Jack  
 William Kermit Jackson  
 Ida Mae Jones  
 Irma M. Keough  
 Charles Milton Kile  
 Ethel Lorene Kirby  
 Ruth E. Knop  
 Marie Louise Kolmer  
 Helen Darszkiewicz Koonce  
 Charlotte Manette Koons  
 Grace May Krappe  
 Marian A. Kyles  
 Dora Hindman Lence  
 Dorothy DuBois Lingle  
 Marjorie Harriet Lingle  
 Lolabel Lord  
 Dorothy Rue Mallory

Ralph H. Mallory  
 Dolores M. Manfredini  
 Analee Mawdsley  
 Warren Maulding McCartan  
 Margaret I. McConachie  
 Mabel McIntire  
 Mary Lou McNeill  
 Juanita A. McRaven  
 Mary Eleanor Mescher  
 Bette Eckert Meyer  
 Berthal D. Middleton  
 Alice Mount  
 M. Frances Nash  
 Lois H. Nelson  
 Sophia Ninos  
 Anne O'Rourke  
 Mary Elizabeth Owen  
 Charles Pigg  
 Anne L. Placko  
 Frances L. Plate  
 Viola Loraine Poirot  
 Joseph Prelec, Jr.  
 Edgar Blaine Purdy  
 Marjorie Jean Ratz  
 Frieda Marie Reichert  
 Wava Virginia Roberson  
 Viola Mae Rodenmayer  
 Amy Kathryn Rollo  
 Mary Romano  
 Maxine Rushing  
 Nellie Jo Sager  
 Mildred Gruner Saltzman  
 Virginia Sanders  
 Helen Schafer  
 Olinda Esther Schenke  
 Elsa Edna Schuetze  
 Virginia B. Schulte  
 Irene Laverne Scott  
 Margaret Shaw  
 Bernice Lafoon Sickman  
 Arthur Madison Smith  
 Henry Thomas Smith, Jr.  
 Zellah Elizabeth Smith  
 Milton Edwin Spence  
 John Wesley Stalions  
 Elizabeth Ann Stilley  
 Jewell Elizabeth Story  
 Florence Sweitzer  
 Theodore Edward Taylor  
 Marilyn Thomas  
 Mary Tonini  
 Clyde Ozment Travelstead  
 Edna Spires Travis  
 Mary Elizabeth Vaught  
 Mary Jean Vaupel  
 Phyllis Wright Wham  
 Frances Ethelyn Wheeler  
 Bernard M. Williams  
 James Franklin Wilson  
 Maurice L. Winn  
 M. Elizabeth Yarber  
 James F. Yates  
 Edna Janet Zimmerman

**College of Liberal Arts and Sciences****Bachelor of Science Degree**

John K. Ellis

Hayward Zon Hays

Roy C. West, Jr.

**Bachelor of Arts Degree**

Winona Winters Ash  
 Patricia M. Barfield  
 Mary Collard Burgess  
 Robert Blair Campbell  
 Jean Kathryn Dorries  
 Ruth Fairlene Foley  
 Lory Hildreth

Virginia M. McCollum  
 Evelyn Marie Patterson  
 Annabel Scott  
 Monita Townley  
 Thomas Franklin Williams  
 U. Glenn Yarbrough

**College of Vocations and Professions**

**Bachelor of Science Degree**

John L. Adams

**Enrollment by Terms, 1944-45**

	Men	Women	Total	Total Registrants
1st Summer, 1944.....				672
Graduates .....	6	15	21	
Post-Graduates .....	7	9	16	
Seniors .....	18	114	132	
Juniors .....	20	164	184	
Sophomores .....	21	109	130	
Freshmen .....	34	121	155	
Unclassified .....	9	25	34	
Total Residence .....	115	557	672	
2nd Summer, 1944.....				354
Graduates .....	6	7	13	
Post-Graduates .....	5	9	14	
Seniors .....	14	74	88	
Juniors .....	16	74	90	
Sophomores .....	19	56	75	
Freshmen .....	24	44	68	
Unclassified .....	4	2	6	
Total Residence .....	88	266	354	
Fall, 1944 .....				1571
Graduates .....	7	15	22	
Post-Graduates .....	2	6	8	
Seniors .....	19	58	77	
Juniors .....	20	91	111	
Sophomores .....	28	134	162	
Freshmen .....	170	341	511	
Unclassified .....	13	4	17	
Total Residence .....	259	649	908	
Extension (duplicates ex- cluded) .....	160	503	663	



Winter, 1944-45 .....				958
Graduates .....	5	3	8	
Post-Graduates .....	0	4	4	
Seniors .....	20	59	79	
Juniors .....	21	98	119	
Sophomores .....	30	136	166	
Freshmen .....	123	291	414	
Unclassified .....	10	6	16	
	<hr/>	<hr/>	<hr/>	
Total Residence .....	209	597	806	
Extension (duplicates ex- cluded) .....	41	111	152	
Spring, 1945 .....				945
Graduates .....	7	4	11	
Post-Graduates .....	0	3	3	
Seniors .....	28	72	100	
Juniors .....	23	106	129	
Sophomores .....	28	133	161	
Freshmen .....	75	257	332	
Unclassified .....	8	6	14	
	<hr/>	<hr/>	<hr/>	
Total Residence .....	169	581	750	
Extension (duplicates ex- cluded) .....	28	167	195	
Individual graduate students for regular school year and preceding summer session.....				49
Individual enrolment for regular school year, summer session, and extension .....				2275

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## RATING

In addition to being a member of the American Council on Education, Southern Illinois Normal University is accredited

- (1) by the American Association of Teachers Colleges
- (2) by the North Central Association of Colleges and Secondary Schools
  - (a) for undergraduate degrees
  - (b) for the graduate degree, Master of Science in Education.

