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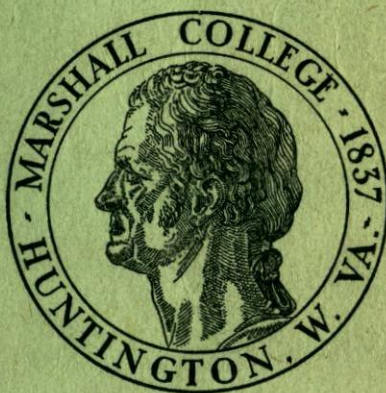


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Secretary's Office

Bulletin

MARSHALL COLLEGE



CATALOGUE 1947-1948

ANNOUNCEMENTS 1948-1949

This bulletin of Marshall College contains information of general value to high school graduates and other prospective students and their parents. Complete information as to entrance fees, living conditions, requirements for degrees in either of the colleges, and a brief statement of the courses of study offered are given. This bulletin is sent on request and without cost.

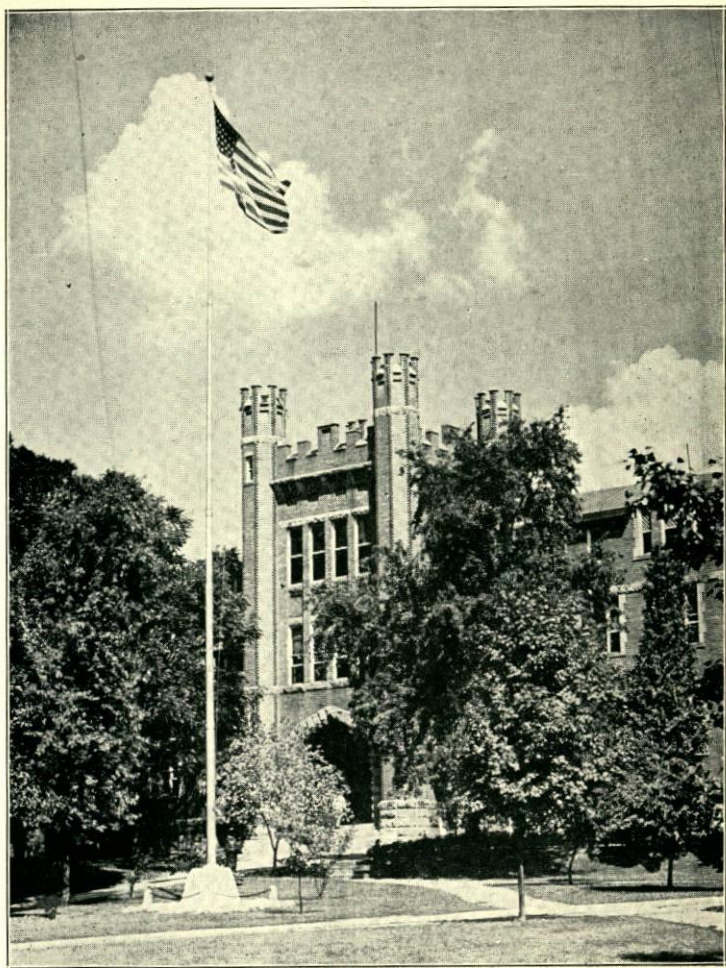
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For Non-Resident tuition see page 55.

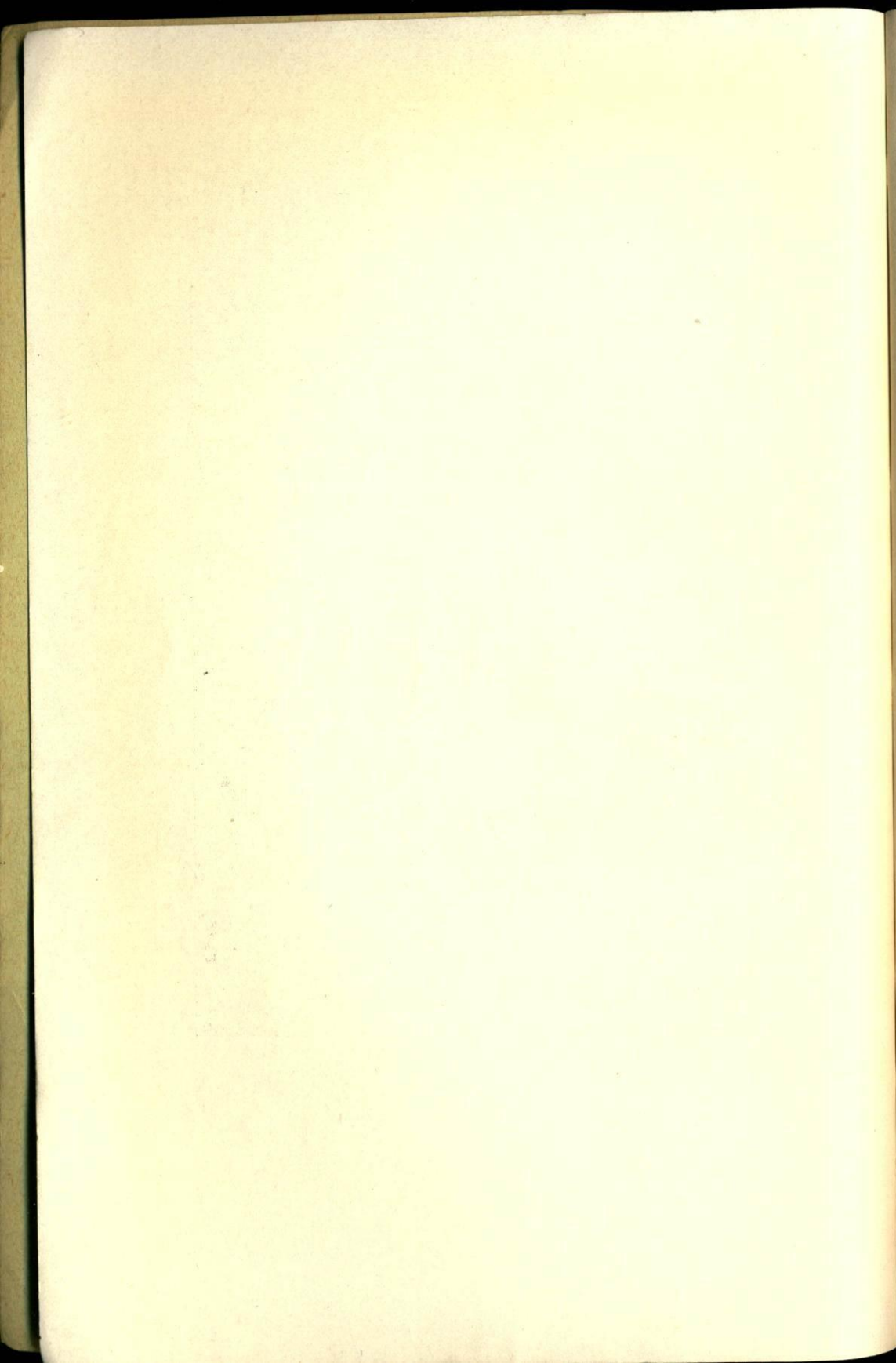
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"OLD MAIN"



MARSHALL COLLEGE

(FOUNDED 1837)

BULLETIN



ISSUED QUARTERLY

VOLUME XXXII, NO. 1

THE TEACHERS COLLEGE
THE COLLEGE OF ARTS AND SCIENCES
GRADUATE DIVISION
SUMMER SESSION



ANNOUNCEMENTS FOR 1948-1949



APRIL 1, 1948

HUNTINGTON, WEST VIRGINIA

Entered as second class mail matter at the Post Office at Huntington, West Virginia,
April 4, 1920, under Act of June 6, 1900.

Published by Marshall College: Office of The Registrar
Huntington, West Virginia

WEST VIRGINIA
STATE BOARD OF EDUCATION
CHARLESTON

	<i>Term Expires</i>
RAYMOND BREWSTER, <i>President</i> , Huntington	1952
LAWRENCE R. LYNCH, <i>Vice-President</i> , Clarksburg	1950
BROOKS COTTLE, Morgantown	1951
MASON CRICKARD, Charleston	1956
GARLAND DUNN, Martinsburg	1949
MRS. THELMA BRAND LOUDIN, Fairmont	1955
W. H. NELSON, Beckley	1953
JOSEPH ROSIER, Fairmont	1948
ROSS H. TUCKWILLER, Lewisburg	1954
W. W. TRENT, <i>State Superintendent</i> , Ex-Officio, Charleston	

H. K. BAER, *Secretary and Director of Teacher Training*, Charleston

R. D. Bailey - Pineville - 1957

The West Virginia State Board of Education has charge of the educational, administrative, financial and business affairs of Marshall College.

Volume XXXII

APRIL 1, 1948

No. 1

Entered as second class mail matter at the Post Office at Huntington, West Virginia, April 4, 1920.



MATHEWS PTG. & LITHO. CO., CHARLESTON, W. VA.

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YEAR 1948

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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4	5	6	7	8	9	10	8	9	10	11	12	13	14	7	8	9	10	11	12	13	4	5	6	7	8	9	10
11	12	13	14	15	16	17	15	16	17	18	19	20	21	14	15	16	17	18	19	20	11	12	13	14	15	16	17
18	19	20	21	22	23	24	22	23	24	25	26	27	28	21	22	23	24	25	26	27	18	19	20	21	22	23	24
25	26	27	28	29	30	31	29	—	—	—	—	—	—	28	29	30	31	—	—	—	25	26	27	28	29	30	—

MAY							JUNE							JULY							AUGUST								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER								
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YEAR 1949

JANUARY							FEBRUARY							MARCH							APRIL							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
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MAY							JUNE							JULY							AUGUST							
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29	30	31	—	—	—	—	26	27	28	29	30	—	—	24	25	26	27	28	29	30	28	29	30	31	—	—	—	
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SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
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COLLEGE CALENDAR

1948-1949

FIRST SEMESTER

September 13-18 Freshman Orientation and Registration
of all Classes

September 17, 7:00 P. M.-9:00 P. M. Registration of Part-time and
Evening Students

September 20, Monday 8:00 A. M. Classes begin

November 15 Mid-Semester Reports

November 24, Wed. Noon-Nov. 29, 8:00 A. M. Thanksgiving Recess

December 18, Noon-Jan. 3, 1949, 8:00 A. M. Christmas Recess

January 29 Semester Ends

SECOND SEMESTER

January 31-February 2 Freshman Orientation and Registration

February 4, 7:00-9:00 P. M. Registration Part-time and Evening
Students

February 3 Classes begin

April 4 Mid-semester Reports

April 14, Noon to April 19, 8:00 A. M. Easter Recess

June 4, Saturday Alumni Day

May 29
May 30
June 5, Sunday Baccalaureate Sermon *Heather*

June 6, Monday Commencement

55 -

255 -

June 6
July 18

OFFICERS OF ADMINISTRATION

¹STEWART HAROLD SMITH, B. S., M. A., Ph. D. _____ President

JAMES EDWARD ALLEN, A. B., LL. D. _____ President Emeritus

²DANIEL BANKS WILBURN, A. B., M. A., Ed. D. _____ Dean, Teachers
College

JOHN FRANK BARTLETT, A. B., M. A., Ph. D. _____ Dean, College of
Arts and Sciences

ARVIL ERNEST HARRIS, A. B., M. A., Ph. D. _____ ^{Dean}Chairman, Graduate
Council *School*

LILLIAN HELMS BUSKIRK, A. B., M. A., _____ Dean of Women

LESTER G. BRAILEY, B. S., M. A. _____ Dean of Men

LUTHER E. BLEDSOE, A. B., M. A. _____ Registrar and Director of
Admissions

Maclean
~~VETA LEE SMITH, A. B., M. A. _____ College Secretary~~

³FRED R. SMITH, A. B. _____ Comptroller and
Business Manager

ROSA V. ~~OLIVER~~, A. B., Library Certificate _____ Librarian

² *Young*
~~CHARLES A. HOFFMAN, M. D. _____ College Physician~~

THE FACULTY

STEWART HAROLD SMITH, *President*, 1945.

Ph. D. 1943, Syracuse University.

CHESTER EDWIN BALL, *Instructor in Journalism*, 1947.

M. A. 1947, Ohio State University.

JAMES J. BARRON, *Professor of Mathematics*, 1946.

Ph. D. 1934, University of Wisconsin; post-doctorate study 1942-1943, Yale University, 1944-1945, Brown University.

JOHN FRANK BARTLETT, *Dean of the College of Arts and Sciences and Professor of Chemistry*, 1932.

Ph. D. 1932, West Virginia University; post-doctorate study 1936-1937, University of Zurich, University of Edinburgh, and Technische Hochschule in Munich.

CURTIS FRANKLIN BAXTER, *Associate Professor of English*, 1936.

M. A. 1936, Washington and Jefferson College; graduate student in English 1940, 1941, 1942, New York University.

ROBERT LLOYD BECK, *Professor of Philosophy*, 1934.

Ph. D. 1931, Cornell University.

JOHN E. BEHNKE, JR., *Instructor in Sociology*, September 1, 1947.

M. A. 1947, State University of Iowa.

CHARLOTTE E. BERRYMAN, *Associate Professor of Physical Education*, 1927.

M. A. 1926, Columbia University; graduate student in Physical Education 1930, University of Wisconsin, 1936, 1937, Columbia University.

DOROTHY BERRY BRAGONIER, *Assistant Professor of Mathematics*, 1927.

M. A. 1939, Columbia University.

LEONARD R. BRICE, *Visiting Lecturer in Labor Relations*, January 21, 1948.**

A. B. 1937, Baldwin-Wallace College.

ROBERT LEE VERN BRITTON, *Associate Professor of Geography*, 1930.

M. S. 1930, University of Chicago; graduate student in Geography, 1932, 1943, 1944, University of Chicago, 1941, Ohio State University.

E. HENRY BROH, *Visiting Lecturer in Parliamentary Law*, January 1948.**

L. L. B. 1938, West Virginia University.

LLOYD L. BROWN, *Associate Professor of History*, 1946.

M. A. 1936, West Virginia University; graduate student in History, Ohio State University.

** Second semester only.

FRANCES W. BURDETTE, *Instructor in Sociology*, part-time, September 1, 1947.

M. A. 1946, Ohio State University.

MAURICE GWINN BURNSIDE, *Professor of Political Science*, 1937.

Ph. D. 1938, Duke University.

PHILIP CAPLAN, *Instructor in Speech*, September 1, 1947.

M. F. A. 1941, Yale University.

LUCILE CHAPMAN, *Assistant Professor of History*, 1946.

Ph. D. 1945, University of Kentucky.

AUBYN BAILEY COOPER, *Instructor in Business Administration*, part-time, September 1, 1947.*

B. S. 1930, Ohio State University.

JOHN W. CREIGHTON, *Instructor in Music*, 1945.

M. A. 1939, M. Mus. 1942, Northwestern University; graduate student 1943, St. Louis University.

THOMAS EDWARD DANDELET, *Professor of Physical Education*, 1930.

M. A. 1936, West Virginia University.

HOLLIE CLAYTON DARLINGTON, *Professor of Biology*, 1930.

Ph. D. 1942, University of Chicago.

LESLIE MARTZ DAVIS, *Professor of Geography*, 1939.

Ph. D. 1935, University of Chicago.

ANNA LAURA DeNOON, *Professor of Mathematics*, 1909.

M. A. 1930, Columbia University; D. Sc. (honorary) 1945, Marietta College.

CONLEY HALL DILLON, *Professor of Political Science*, 1934.

Ph. D. 1936, Duke University.

ALICE GREY DORWORTH, *Associate Professor of Business Administration and Director of Distributive Education*, 1946.

M. Ed. 1942, University of Pittsburgh; graduate student 1943, 1946, University of Pittsburgh, 1944, Temple University.

CAROLYN FORE DWIGHT, *Assistant Professor of Business Administration*, 1938.

M. B. A. 1938, Ohio State University.

RALPH. M. EDEBURN, *Associate Professor of Zoology*, 1945.

Ph. D. 1938, Cornell University.

IRENE CLARK EVANS, *Assistant Professor of Business Administration*, 1939.

M. A. 1940, Columbia University.

MADELEINE HOFFMAN FEIL, *Instructor in Clinical Psychology*, 1946.

M. A. 1945, Marshall College; graduate student 1945, Ohio State University.

*First semester only.

✓ HERMAN FETTER, *Instructor in Economics*, part-time, September 1, 1947.

A. B. 1927, Marshall College; graduate student 1927-1929, New York University.

DOROTHY A. FISHER, *Assistant Professor of Zoology*, 1946.

Ph. D. 1942, Cornell University; post-doctorate study in Zoology 1944, University of North Carolina, 1945, Cornell University.

FREDERICK A. FITCH, JR., *Associate Professor of Physical Education*, 1930.

M. A. 1931, New York University.

✓ CHARLES OCELUS FITZWATER, *Director of Educational Research and Field Services and Associate Professor of Education*, October 1, 1947.

Ph. D. 1947, Cornell University.

RUTH MARION FLOWER, *Associate Professor of English*, 1926.

M. A. 1929, University of Michigan; graduate student in English 1938, University of Washington, 1945, University of Michigan.

RUBY C. FOOSE, *Instructor in Home Economics*, 1946.

M. A. 1940, Ohio State University.

JUAN C. FORS, *Associate Professor of Spanish*, 1931.

Ph. B. 1921, Colegio Nacional; A. B. 1927, Valparaiso University; graduate student in Spanish 1929, 1933, 1937, 1939, University of Chicago.

MARGARET VIRGINIA FOULK, ~~Associate~~ *Professor of Education*, 1929.

M. A. 1928, Columbia University.

ST. ELMO FOX, *Instructor in Music*, 1918.

B. Mus. 1932, Cincinnati Conservatory of Music.

MIRIAM PEARL GELVIN, *Assistant Professor of Music*, 1940.

M. Ed. 1940, University of Cincinnati; M. Mus. 1940, Cincinnati Conservatory of Music; graduate student 1947, Columbia University.

MARY ALICE GOINS, *Assistant Professor of Mathematics*, 1946.

M. A. 1933, University of Michigan; graduate student in Mathematics 1934, 1935, Cleary College, 1937, Bowling Green Business University, 1941, Strayer College, 1942, University of Chicago.

CLEO MARGARET GRAY, *Assistant Professor of Home Economics*, September 1, 1947.

M. S. 1927, University of Wisconsin; graduate student 1927, 1930, 1936, 1938-1939, University of Wisconsin, 1935, Iowa State University, 1947, Columbia University.

✓ NORMAN BAYARD GREEN, *Associate Professor of Zoology*, 1938.

M. S. 1931, West Virginia University; graduate student in Zoology 1942, 1944, 1945, 1946, 1947, Ohio State University.

OTTO ANDREW GULLICKSON, *Associate Professor of Physical Education*, 1930.

M. A. 1926, Columbia University.

MEDARDO GUTIERREZ, JR., *Instructor in Spanish*, February 1, 1948.

M. A. 1948, University of Michigan.

ROBERT W. GUTZWILLER, *Instructor in Mathematics*, 1946.

M. A. 1947, Marshall College.

✓ GEORGE J. HARBOLD, *Instructor in Speech*, September 1, 1947.

M. A. 1947, University of Florida.

HUNTER HARDMAN, *Instructor in Mathematics*, 1946.

M. A. 1940, University of Chicago; graduate student in Mathematics 1947, Ohio State University.

CHARLES P. HARPER, *Associate Professor of Political Science*, 1946.

Ph. D. 1937, Johns Hopkins University.

ARVIL ERNEST HARRIS, *Chairman of the Graduate Council and Professor of Political Science*, 1936.

Ph. D. 1936, State University of Iowa.

AUGUSTUS W. HAYES, *Professor of Sociology*, 1926.

Ph. D. 1920, University of Wisconsin.

HAROLD M. HAYWARD, *Professor of Sociology*, 1938.

Ph. D. 1937, Clark University.

HERSCHEL HEATH, *Professor of History*, September 1, 1947.

Ph. D. 1933, Clark University.

✓ HARRY B. HEFLIN, *Professor of Education and Dean of the Teachers College*, 1946.

Ph. D. 1942, University of Pittsburgh.

✓ HAROLD F. HENDERSHOT, *Instructor in Physics*, part-time, September 1, 1947.*

A. B. 1937, Marshall College.

HENRIETTA HEPBURN, *Assistant Professor of English*, 1946.

M. A. 1919, Indiana University; graduate student in English 1925, 1932, Columbia University, 1927, University of California, 1940, University of Chicago.

JOHN HOLLAND HOBACK, *Instructor in Chemistry*, 1945.

Ph. D. 1947, West Virginia University.

WILLIAM POWELL HOOPER, *Assistant Professor of Bible*, 1928.

A. B. 1908, Washington and Lee University; student in Theology 1913-1915, Union Theological Seminary in Virginia; D. D. 1944, Davis and Elkins College.

*First semester only.

BEN WALTER HOPE, *Instructor in Speech*, September 1, 1947.

M. A. 1947, State University of Iowa.

GEORGE WASHBURNE HOWGATE, *Professor of English*, 1945.

Ph. D. 1933, University of Pennsylvania.

RALPH PRESTON HRON, *Professor of Physics*, 1920.

M. A. 1914, University of Oklahoma; graduate student in Physics 1928-1929, 1930-1931, University of Oklahoma, 1929, Columbia University.

JOSEPH S. JABLONSKI, *Professor of Art*, 1929.

M. A. 1925, Harvard University; graduate student in Art 1922-1924, Harvard University, Pratt European Fellowship.

RAYMOND ELLSWORTH JANSSEN, *Associate Professor of Geology*, 1942.

Ph. D. 1939, University of Chicago.

LAVELLE THOMPSON JONES, *Instructor in Music*, February 14, 1947.

M. A. 1942, George Peabody College for Teachers.

J. EINAR KLING, *Instructor in Economics*, February 1, 1948.

Ph. M. 1937, University of Turku; graduate student 1947, University of Minnesota.

ALLEN CONNABLE KLINGER, *Professor of History*, 1930.

Ph. D. 1930, University of Wisconsin.

LOUISE MURRELL KNIFLEY, *Instructor in Mathematics*, September 1, 1947.

M. A. 1947, University of Kentucky.

RUFUS L. LAND, *Instructor in Mathematics*, 1946.

B. S. 1926, United States Military Academy; graduate student 1946, 1947, Marshall College.

ALFRED P. LANEGGER, *Assistant Professor of Music*, September 1, 1947.

M. Mus. 1947, Syracuse University.

MARGARET LECKIE, *Assistant Professor of Education and Supervisor of Elementary Education*, February 1, 1948.

M. A. 1940, Northwestern University.

VIRGINIA ELIZABETH LEE, *Instructor in Journalism*, 1930.

M. A. 1942, Marshall College.

JOSEPH M. LICHTENSTEIN, *Assistant Professor of Psychology*, 1946.

M. A. 1940, Fordham University; graduate student in Psychology 1939, George Washington University; 1941, 1946, Columbia University, 1943, Rutgers University.

JULIUS LIEBERMAN, *Assistant Professor of German*, 1946.

Ph. D. 1943, University of Cincinnati.

KENNETH KARL LOEMKER, *Professor of Psychology*, 1930.

Ph. D. 1941, University of Chicago.

Lapham
MELVIN PARSONS LOY, *Associate Professor of Biology*, 1926.

M. A. 1931, Ohio State University.

VIRGINIA PFEIFFER LYNCH, *Instructor in Mathematics*, 1946.

A. B. 1927, Seton Hill College.

C?
EDWARD SILVER MACLIN, *Cordinator of Engineering*, 1945.

M. A. 1932, George Peabody College for Teachers.

DONALD C. MARTIN, *Professor of Physics*, 1943.

Ph. D. 1936, Cornell University.

JOHN LEWIS MARTIN, *Associate Professor of Spanish*, 1935.

Ph. D. 1940, University of Pittsburgh.

McCall
McClubb
MARJORIE YVONNE MCCLOUD, *Instructor in English*, September 1, 1947.

M. A. 1947, Marshall College.

LOUISE McDONOUGH, *Associate Professor of Physical Education*, 1929.

M. A. 1929, Columbia University; graduate student in Physical Education 1931, Columbia University, 1938, State University of Iowa.

JOSEPH U. MENDELSON, *Instructor in Geology*, part-time, 1946.

A. B. 1939, Ohio Wesleyan University; 1943, Army Weather Fore-casters School.

ARTHUR V. MERKEL, *Instructor in Engineering*, part-time, Septem-ber 1, 1947.*

B. E. C. E. 1930, Johns Hopkins University.

CARL B. MILLER, *Assistant Professor of Business Administration*, 1946.

M. A. 1942, North: eastern University; graduate student in Business Administration 1946, University of Kentucky.

EVA LOUISE MILLER, *Instructor in Business Administration*, 1946.

M. A. 1942, Columbia University.

CHARLES HILL MOFFAT, *Associate Professor of History*, 1946.

Ph. D. 1946, Vanderbilt University.

✓ CLARENCE E. MORRISON, *Instructor in Chemistry*, September 1, 1947.

M. S. 1947, Marshall College.

✓ ALBERT GRAHAM MOSELEY, JR., *Associate Professor of Chemistry*, 1931.

M. S. 1928, University of Nebraska.

*First semester only.

HARRY EDWARD MUELLER, *Professor of Music*, 1926.

M. Mus. 1930, Cincinnati Conservatory of Music; Mus. D. 1933, Capitol Conservatory of Music.

PAUL N. MUSGRAVE, *Professor of Education and Principal of the Laboratory School*, 1938.

Ph. D. 1936, West Virginia University.

REVA BELLE NEELY, *Assistant Professor of Home Economics*, 1946.

M. A. 1946, Colorado Agricultural and Mechanical College.

ALMA NEASE NOBLE, *Associate Professor of French and Latin*, 1941.

Ph. D. 1938, Ohio State University; M. A. 1942, Western Reserve University.

✓ WILBERT H. NORTON, *Instructor in Business Administration*, part-time, 1946.

L. L. B. 1923, University of Virginia.

O'Connell

✓ ALBERT LAVERNE OLSON, *Professor of Economics*, 1936.

Ph. D. 1934, Yale University.

O'Leary

JEANNE OWEN, *Instructor in Business Administration*, September 1, 1947.

M. C. S. 1945, Indiana University; graduate student 1947, University of Colorado.

LEO E. OXLEY, *Instructor in Political Science*, 1946.

L. L. B. 1944, University of Kentucky.

CLAYTON R. PAGE, JR., *Associate Professor of Speech*, 1946.

M. A. 1935, Pennsylvania State College; M. A. 1939, Baylor University; graduate student in Speech 1938, University of Southern California, 1941, State University of Iowa.

VIRGINIA N. PARRISH, *Assistant Professor of French*, September 1, 1947.

M. A. 1937, University of Kentucky; graduate student in French 1938-1940, 1942, 1945, 1947, University of Kentucky.

Perk
Phillips

RENE F. PINO, *Assistant Professor of Spanish*, September 1, 1947.

M. A. 1946, Columbia University.

WILLIAM PAGE PITT, *Professor of Journalism*, 1926.

M. S. J. 1930, Columbia University.

✓ MORTON J. PLOTNIK, *Associate Professor of Economics*, 1946.

Ph. D. 1937, Columbia University; post-doctorate study in Economics 1945-1946, Cornell University.

EDWARD LEWIS PLYMALE, *Assistant Professor of Botany*, 1946.

Ph. D. 1942, State University of Iowa.

- JOE DONALD POLLITT, *Associate Professor of English*, 1936.
M. A. 1935, Duke University; graduate student in English 1936, 1938, 1939, 1940, 1941, 1942, 1944-1945, Ohio State University, 1946, 1947, The University of Missouri.
- ✓ KELLAM MOORE PRICKETT, *Instructor in Speech*, 1946.
M. A. 1946, University of Wisconsin.
- ALLEN OTIS RANSON, *Professor of Speech*, 1931.
M. A. 1935, University of Wisconsin.
- ALVA WENONAH RICE, *Assistant Professor of English*, 1946.
M. A. 1947, Indiana University.
- O. JENNINGS RIFE, JR., *Instructor in Business Administration*, part-time, 1947.
L. L. B. 1941, George Washington University.
- KATHLEEN ROBERTSON, *Instructor in Speech*, 1946.
M. A. 1937, Northwestern University.
- RUTH ROBINSON, *Professor of Physical Education*, 1932.
M. A. 1928, Columbia University.
- GRACE EUGENIA ROE, *Instructor in Music*, 1945. *Inst. Mus. Ed.*
M. Mus. Ed. 1945, Columbia University.
- RUSSELL IRWIN ROUDEBUSH, *Professor of Education*, 1921.
M. A. 1921, Ohio State University; graduate student in Education 1928-1929, University of Michigan.
- MYRTLE MacDANNALD ROUSE, *Associate Professor of Home Economics*, 1936.
M. A. 1934, Columbia University; graduate student in Home Economics 1936, 1937, Columbia University.
- Reyer* JAMES WALTON ROWLEY, *Instructor in English*, 1946.
M. A. 1946, Ohio State University.
- ORA E. RUMPLE, *Professor of Chemistry*, September 1, 1947.
Schaefer Ph. D. 1936, Indiana University.
- CHARLES A. SCRIVNER, *Instructor in Engineering*, 1946.
B. E. S. 1946, Marshall College; graduate student in Engineering 1947, University of Colorado.
- DOROTHY WILHELMINA SEABERG, *Instructor in Business Administration*, September 1, 1947.
M. S. 1947, University of North Carolina.
- ROBERT PORTER SECHLER, *Professor of English*, 1946.
Ph. D. 1931, University of Pennsylvania.
- BERKELEY R. SHAFER, *Instructor in Engineering*, 1945.
B. S. E. E. 1927, University of Michigan.
- Simmons*

Amphibia
MARIA ELIZABETH SKIDMORE, *Assistant Professor of Art*, September 1, 1947.

Ph. D. 1946, Ohio State University.

FRIEDA STARKEY, *Instructor in English*, 1946.

M. A. 1940, West Virginia University; graduate student 1941, Marshall College, 1943, University of Pennsylvania.

JOHN L. STENDER, *Associate Professor of English*, 1929.

M. A. 1938, West Virginia University; graduate student in English 1939, 1940-1941, 1947, Duke University.

JOHN K. STERRETT, *Associate Professor of Mathematics*, August 13, 1947.

M. A. 1937, Kansas University; graduate student Kansas University, 1943, Princeton University, 1944, Massachusetts Institute of Technology.

SAMUEL TURLEY STINSON, *Assistant Professor of Engineering*, 1940.

B. S. Chem. E. 1940, Virginia Polytechnic Institute; graduate student in Engineering 1941, 1947, University of Michigan.

ADELLA E. STROUSS, *Assistant Professor of Home Economics*, 1943.

M. S. 1941, Cornell University; graduate student in Home Economics 1943, Iowa State College, 1946, Ohio State University.

Swiss
JAMES R. TAYLOR, *Instructor in Psychology*, September 1, 1947.

M. A. 1947, Marshall College.

✓ WILLIAM HOWARD TAYLOR, *Lecturer in Economics*, part-time, 1935.
Ph. D. 1934, University of Illinois.

FLORENCE THOMAS, *Assistant Professor of Botany*, 1946.

Ph.D. M. A. 1942, Duke University; graduate student in Botany 1943 to 1946, Cornell University.

✓ LUCILLE ZELMA THOMPSON, *Instructor in English*, 1946.

M. A. 1945, University of Kentucky.

✓ MURIEL DOROTHY TOMLINSON, *Assistant Professor of French and Spanish*, 1946.

Ph. D. 1947, Duke University.

HORACE GRESHAM TOOLE, *Professor of History*, 1925.

Ph. D. 1932, University of Pennsylvania.

✓ SHIRLEY FERRIS TOPPING, *Instructor in English*, September 1, 1947.

M. A. 1936, Ohio State University.

✓ HARLEY P. TRIPP, *Associate Professor of Chemistry*, 1946.

Ph. D. 1934, University of Chicago; post-doctorate study in Chemistry 1939, University of Cambridge.

GEORGE G. URIAN, *Instructor in Engineering*, September 1, 1947.

B. E. S. 1941, Marshall College; graduate student in Chemistry 1946-1947, Washington University.

- FLORENCE H. VanBIBBER, *Associate Professor of Psychology*, 1937.
Ph. D. 1935, University of Arizona.
- LINDLEY EDWARD VANDERZALM, *Associate Professor of Education*, 1928.
M. A. 1920, Columbia University; graduate student in Education 1921, University of Chicago, 1923, Columbia University, 1927-1928, University of Michigan.
- ✓ THOMAS CAPELL WALKER, *Associate Professor of French*, 1946.
Ph. D. 1941, Johns Hopkins University.
- ✓ MARY JANE WARD, *Instructor in Business Administration*, part-time, September 1, 1947.*
M. A. 1945, Marshall College; graduate student 1946, 1947, The Catholic University of America.
- MARY LOUISE WASHINGTON, *Instructor in English*, 1946.
M. A. 1936, West Virginia University; graduate student 1947, University of Pennsylvania.
- KATHERINE WEHLER, *Professor of English*, 1922.
M. A. 1921, Columbia University; graduate student in English 1917, Johns Hopkins University, 1919, 1928, 1929, 1934, 1935, 1937, Columbia University.
- ✓ EDITH B. WEISS, *Associate Professor of German*, 1946.
Ph. D. 1937, Universities of Wuerzburg and Freiburg, Germany; post-doctorate studies in French, Spanish, German 1938, University of Chicago, 1940, Middlebury College, 1942, University of Michigan, 1944, 1945, University of Mexico City.
- FRANCES W. WHELPLEY, *Assistant Professor of Chemistry*, 1946.
Ph. D. 1931, Columbia University.
- FRANK DUDLEY WHITE, *Instructor in Mathematics*, 1946.
M. Ed. 1939, Duke University.
- MARY ANN WILLIAMSON WHITE, *Associate Professor of English*, 1934.
M. A. 1937, University of Kentucky; graduate student in English and Social Studies 1940, University of Kentucky, 1946, 1947, Syracuse University.
- LUCY ADELE WHITSEL, *Professor of Latin and Greek*, 1929.
Ph. D. 1929, University of Wisconsin; post-doctorate study in Latin 1930, American Academy at Rome, 1937, University of Wisconsin.
- DANIEL BANKS WILBURN, *Dean of the Teachers College and Associate Professor of Education*, November 1, 1947.
Ed. D. 1945, The George Washington University.
- LEWIS MARION WILCOX, *Instructor in Geography*, part-time, September 1, 1947.
M. A. 1947, Marshall College.

*First semester only.

William

CLAUDE LEWIS WINTERS, *Instructor in Engineering*, September 1, 1947.

B. E. S. 1944, Marshall College.

LEE ANTHON WOLFARD, *Professor of Business Administration and Director of Commercial Teacher Training*, 1921.

M. C. S. 1922, University of Denver.

✓ ROY CLEO WOODS, *Professor of Education*, 1927.

Ph. D. 1927, State University of Iowa.

✓ EARL D. WORKMAN, *Instructor in Music*, 1946.

A. B. 1939, Marshall College; graduate student in Music 1946, Oberlin College.

BERNICE F. WRIGHT, *Instructor in Mathematics*, 1946.

M. A. 1929, University of Michigan; graduate student in Mathematics 1938, University of Washington.

✓ DENNIS E. WYRICK, *Instructor in Economics*, part-time, September 1, 1947.

M. A. 1947, Marshall College.

✓ JAY A. YAGEL, *Instructor in Spanish*, part-time, 1946.*

M. A. 1923, Gettysburg College.

GRADUATE ASSISTANTS

✓ HAROLD HILTON HONAKER, *Chemistry Assistant*, June 3, 1947.

B. S. 1947, Marshall College.

✓ WILLIAM EDWARD PROUT, *Chemistry Assistant*, September 1, 1947.

B. S. 1947, Marshall College.

CAMPUS LABORATORY SCHOOL

PAUL N. MUSGRAVE, Ph. D., Principal

JUNE ELIZABETH BRADLEY, A. B., Secretary

RUSSELL IRWIN ROUDEBUSH, *Director Student Teaching, High School*, 1921.

M. A. 1921, Ohio State University; graduate student in Education 1928-1929, University of Michigan.

EUNICE STEWART COOK, *Instructor in Education, High School Home Economics and Science*, 1943.

M. S. 1943, West Virginia University; graduate student 1944, University of Minnesota.

*First semester only.

- SYDNEY THOMAS CORBLY, *Librarian, High School*, 1938.
A. B. 1930, Marshall College; student in Library Science 1937, 1938, West Virginia University.
- BIDDY LOUISE COVERT, *Instructor in Education, High School Science*, 1945.
A. B. 1945, Marshall College; graduate student 1946, 1947, Colorado State College of Education.
- LYELL V. DOUTHAT, *Instructor in Education, High School Social Studies*, 1926.
M. A. 1930, Ohio State University.
- SHIRLEY HARDING FOSTER, *Instructor in Education, High School Languages*, 1945.
M. A. 1944, University of Wisconsin.
- INA WOODFORD HART, *Instructor in Education, High School English*, 1928.
M. A. 1936, West Virginia University.
- MARY NATALIE HILLABOLD, *Instructor in Education, High School and Elementary Art*, September 1, 1947.
M. A. 1947, Western Reserve University.
- LAWRENCE HOWARD NUZUM, *Instructor in Education, High School Mathematics*, 1947.
M. A. 1939, West Virginia University.
- VIRGINIA RIDER, *Assistant Professor of Education, High School English*, 1937.
M. A. 1933, University of Michigan.
- NELLIE MAUDE SMITH, *Instructor in Education, High School Commerce*, 1946.
M. A. 1943, Colorado State College of Education.
- MARY JO STEPHENS, *Instructor in Education, High School Social Studies*, 1939.
A. B. 1938, Marshall College; graduate student 1940-1941, Marshall College, 1946, University of Kentucky.
- HARRIET JANE WELLS TUCKER, *Instructor in Education, High School Music and Commerce*, 1945.
A. B. 1943, West Virginia Wesleyan College; graduate student in Education and Commerce, 1944, Marshall College, 1945, 1947, Ohio University.
- HAROLD LEE WILLEY, *Instructor in Education, Elementary and High School Physical Education*, 1946.
A. B. 1946, Marshall College; graduate student in Physical Education 1946, 1947, Columbia University.

✓ MARGARET LECKIE, *Supervisor of Elementary Education and Assistant Professor of Education*, February 1, 1948.

M. A. 1940, Northwestern University.

MARTHA B. RUMMELL, *Instructor in Education, Kindergarten*, 1938.

M. Ed. 1938, University of Cincinnati.

EDITH WILSON AMICK, *Instructor in Education, First Grade*, 1913.

M. A. 1946, Marshall College.

HAZEL DANIELS, *Assistant Professor of Education, Second Grade*, 1935.

M. A. 1935, Columbia University; graduate student in Education 1943, Ohio State University.

FLORENCE A. DAVIS, *Instructor in Education, Third Grade*, 1946.

M. A. 1941, Marshall College.

ALICE MULNIX, *Instructor in Education, Fourth Grade*, September 1, 1947.

M. Ed. 1946, Duke University.

10 ODA K. PETERSON, *Instructor in Education, Fifth Grade*, 1935.

M. A. 1929, University of Cincinnati.

1 LONE HAGEN HENRY, *Instructor in Education, Fifth Grade*, February 1, 1947.

M. A. 1938, Columbia University.

MARJORIE MARIE HEAD, *Instructor in Education, Sixth Grade*, 1946.

A. B. 1946, Marshall College; graduate student 1947, Columbia University.

GRADUATE ASSISTANT

✓ ELIZABETH H. CLAY, *Teaching Fellow, Laboratory School*, September 1, 1947.

A. B. 1934, Marshall College.

NOTES

- 1 Appointed President July 1, 1947.
- 2 Appointed November 1, 1947, to replace Harry B. Heflin.
- 3 Appointed April 1, 1947.
- 4 Retired June 1, 1947.
- 5 Appointed Dean September 1, 1947; resigned October 4, 1947, to become President of Glenville State College.
- 6 Resigned September 16, 1947.
- 7 Resigned September 1, 1947.
- 8 Resigned June 2, 1947.
- 9 Resigned August 15, 1947.
- 10 Resigned September 1, 1947

ADMINISTRATIVE ASSISTANTS

OFFICE OF THE PRESIDENT

Adrienne Arnett, A. B., February 16, 1948 _____ Secretary
 11 *Jordan* Maurine Poling Roberts, A. B. _____ Secretary

OFFICE OF TEACHERS COLLEGES

Ethelene Holley, A. B. _____ Secretary
 11 *Jordan* Mary Linda Berilla, A. B. _____ Stenographer

OFFICE OF COLLEGE OF ARTS AND SCIENCES

Sylvia Wilson Summers _____ Secretary
 Mildred June Cottrill, A. B. _____ Stenographer
 11 Mary Johnston Day, September 1, 1947 _____ Stenographer
 11 *Shesser* Ruth Duling Via, A. B., January 1, 1948 _____ Clerk

OFFICE OF GRADUATE COUNCIL

Clara Mae Hall, A. B., M. A. _____ Secretary

BUREAU OF EDUCATIONAL RESEARCH AND FIELD SERVICES

11 *Byler* Helen G. Moore, December 6, 1947 _____ Secretary

OFFICE OF THE DEAN OF WOMEN

Arick Mildred Klein Heller, A. B. _____ Secretary
 11 Helen Bragg, B. S. Ed. _____ Hostess, College Hall
 Grace B. Lauhon _____ Hostess, Laidley Hall
 Josephine W. Brady _____ Hostess, Sorority House
 Anna Davis _____ Hostess, Sorority House
 Lura L. Reger _____ Hostess, Sorority House
 Johnnie M. Vose _____ Hostess, Sorority House

OFFICE OF THE DEAN OF MEN

Reining Elizabeth B. Barron, B. S. Ed. _____ Secretary
 11 Helen L. Bardall, A. B. _____ Veterans Clerk
 11 Helen Jackson, A. B., February 16, 1948 _____ Veterans Clerk
 Frances W. Burdette, B. S. Ed., M. A. _____ Hostess, Hodges Hall
 Ruby Clay _____ Hostess, Fraternity House
 Effie May Moore _____ Hostess, Fraternity House

OFFICE OF THE REGISTRAR AND DIRECTOR OF ADMISSIONS

L. Marie White, A. B., M. A. _____ Assistant Registrar
 11 *Melain* Clarence Morris Young, A. B., M. A. _____ Assistant Director of Admissions

Helen Clark Harlow, A. B., M. A. _____ Statistician
Dugan Juliet Anne Kauffelt, A. B., March 10, 1948 _____ Secretary, Registrar
Walley Lola Ellen Washington, B. S., June 23, 1947 _____ Secretary, Assistant
 Director of Admissions
 Dorothy McCorkle Isner _____ Recorder
 Irma H. Martin, A. B. *Bias* _____ Recorder
 Sarah Kathryn Huffman, July 10, 1947 _____ Veterans Clerk *T.C.*
 Mary Lou Hullette *Clark* _____ Transcript Clerk
 Marian R. Jordan, February 16, 1948 (part-time) _____ Veterans Clerk
 Jane D. Sedinger, July 9, 1947 _____ Veterans Clerk

OFFICE OF THE COLLEGE SECRETARY

Jane Sprouse Owen, A. B. *Mitt* _____ Secretary

OFFICER OF THE COMPTROLLER AND BUSINESS MANAGER

Ethel M. Martin _____ Secretary, Comptroller
 Louise Thompson _____ Treasurer
 Constance Arthur _____ Chief Payroll Clerk and Auditor
 Edith M. Alexander _____ Cashier
 Vida M. Franklin _____ Bookkeeper
 Ilene Bailey, March 1, 1948 _____ Clerk-Typist
 Betty Jean Black, January 15, 1948 _____ Clerk-Typist
 Helen Jordan Clayton _____ Clerk-Typist
 Frances Jeanne Childers, A. B., May 1, 1947 _____ Clerk-Typist
⁴² Ruth Morris Gardner _____ Clerk
⁴⁴ Mildred McDonie _____ Clerk
 June Lee Prout _____ Clerk-Typist

SWITCHBOARD

Leveria Oswald Verlander _____ Operator

MIMEOGRAPHING DEPARTMENT

Lillian Newcomb _____ Operator

BUILDINGS AND GROUNDS

Charlie James Collins, A. B., February 1, 1948 _____ Superintendent

DINING HALL

Frank W. Springer *Leach* _____ Cafeteria Manager
¹⁵ Beulah Iana Miller, A. B. _____ Assistant Dietitian
 Louanna Belle Rhoades, B. S. *Van Horn* _____ Assistant Dietitian

STUDENT UNION

W. Don Morris _____ Manager
 Gertrude M. Pleiman, B. S. Ed. *Lynn* _____ Hostess

BOOK STORE AND POST OFFICE

Percy L. Galloway _____ Manager
 Everette D. Newman _____ Assistant Manager

Library Staff

THE JAMES E. MORROW LIBRARY

Margaret Seidel Bobbitt, B. S. L. S. _____ Assistant Librarian
 Bernice Amstutz Dorsey, B. S. L. S. _____ Assistant Librarian
 Gladys Johnson, B. S. L. S., September 1, 1947 _____ Assistant Librarian
 Kathryn M. Kraybill, A. B., Library Certificate _____ Assistant Librarian
 Helen L. Schweikart, B. S. L. S., July 15, 1947 _____ Assistant Librarian
 Janice Caudill Justice, A. B. _____ Secretary
 Margaret L. Seelinger _____ Assistant in the Library
 Mildred H. Villani _____ Assistant in the Library

Laboratory School Library

HEALTH SERVICE

Margaret Lambert, R. N. _____ Clinic Nurse
 Isabelle Durie, R. N. _____ Dormitory Nurse

ATHLETIC STAFF

Luther F. Poling, A. B., M. A., September 6, 1947 _____ Director of Athletics
 Cam Henderson, A. B. _____ Head Coach
 Joe B. Pease *Clay - Payer* _____ Assistant Coach
 Roy L. Straight, A. B., M. A. _____ Assistant Coach
 Grace Jean Ingles *Grate* _____ Secretary

NOTES

- 11 Resigned Dec. 1, 1947.
- 12 Resigned Feb. 15, 1948.
- 13 Resigned Oct. 31, 1947.
- 14 Resigned Dec. 31, 1947.
- 15 Resigned Sept. 30, 1947.

COMMITTEES**I. GENERAL**

ARTIST SERIES CORPORATION—President Smith, Chairman; Judge H. Clay Warth, Mr. Curtis Baxter, Mr. Lyell Douthat, Mrs. Besse H. Mount.

ATHLETIC BOARD—Mr. Lyell Douthat, Chairman; Mr. Luther Poling, Secretary, Dr. Lloyd Beck, Dr. Leslie Davis, Mr. Fred Smith, Mr. John Stender, Mr. Tom Stark, Alumni representative, Mr. Don Loudermilk, Student Body President, President Smith, ex-officio.

COMMENCEMENT—President Smith, chairman; Dean Bartlett, Dean of Teachers College, Mr. Brailey, Mrs. Dwight, Dr. Harris, Dr. Loemker, Dr. Mueller, Mr. Fred Smith, Mrs. Veta Lee Smith, Dr. Toole, Mr. Charles Proctor, President Senior Class.

DRAMATIC—Mr. Clayton Page, Jr., Chairman; Mr. Philip Caplan, Mr. Carl Miller, Mr. James Taylor. Students Madge Gould, Donald Loudermilk, Robert Tamplin.

LIBRARY—Miss Rosa Oliver, Chairman; Dr. Charles Fitzwater, Dr. A. W. Hayes, Dr. Albert Olson, Dr. H. G. Toole, Miss Katherine Wehler.

PUBLICATIONS—Mrs. Veta Lee Smith, Chairman; Mr. Luther Bledsoe, Miss Alice Dorworth, Mr. Page Pitt, Mr. Luther Poling, Mrs. C. A. Rouse, Dean Brailey, Chairman Student Activities Committee; Mr. Don Loudermilk, President Student Body, President Smith, ex-officio.

SOCIAL ACTIVITIES—Dean Lester Brailey, Chairman; Dean Buskirk, Mr. Frederick Fitch, Jr., Mrs. Margaret Marcum, Mr. Don Morris, Mrs. Gertrude Pleiman, Miss Ruth Robinson, Mr. Fred Smith. Students: Ann Clark, Patricia Foley, Charles Proctor, Robert Tamplin.

STUDENT AID—Executive Committee: Mr. Luther Bledsoe, Chairman; Dean Brailey, Dean Buskirk, Advisory Committee: Members of the Executive Committee: Dr. Harry Mueller, Mr. Page Pitt, Mr. Otis Ranson.

STUDENT PERSONNEL—(Counseling, Orientation, Student Life, Health, etc.) Mr. Luther Bledsoe, Chairman; Dean Bartlett, sub-committee on counseling in the Arts College; Dean of Teachers College, sub-committee on counseling in the Teachers College; Dean Brailey, Dean Buskirk, Mrs. Myrtle Rouse, Mr. Fred Smith, Mrs. Veta Lee Smith, Dr. Kenneth Loemker, Co-ordinator of Survey Course, President Smith, ex-officio. Students: Betty Lee West, Walter Wilson, Miss Katherine Wehler.

STUDENT UNION CORPORATION—President Smith, Chairman; Mr. Fred Smith, Secretary-Treasurer; Mr. Edward H. Green, Mr. Don Loudermilk, Mr. Don Morris, Mr. Leonard Samworth, Mr. Clyde Wellman.

COMMITTEE ON THE STATE OF THE COLLEGE—President Smith, Chairman; Dean Bartlett, Dean of Teachers College, Mr. Britton, Mrs. Bragonier, Mr. Green, Dr. Harris, Dr. Hayes, Dr. Loemker, Miss Rider, Mr. Roudebush, Dr. Whitsel.

II. EXECUTIVE

ADMINISTRATIVE CABINET—President Smith, Chairman; Dean Bartlett, Dean of Teachers College, Mr. Bledsoe, Dean Brailey, Dean Buskirk, Dr. Harris, Mr. Fred Smith, Mrs. Roberts, Secretary.

COLLEGE COUNCIL—President Smith, Chairman; Dean Bartlett, Dean of Teachers College, Mr. Bledsoe, Dean Brailey, Dean Buskirk, Dr. Beck, Mr. Green, Dr. Harris, Dr. Moffat, Mr. Ranson, Miss Ruth Robinson, Mrs. Rouse, Mrs. Veta Lee Smith, Secretary.

GRADUATE COUNCIL—Dr. Harris, Chairman; Dr. Darlington, Dr. Davis, Dr. Hayes, Dr. Howgate, Dr. Loemker, Dr. Toole, Dr. Woods.

COMMITTEE ON FACULTY PERSONNEL (Advancement, Tenure and Salary)—Dean Bartlett, Dean of Teachers College, Dr. Beck, Mr. Britton, Dr. Harris, Mr. Moseley, President Smith, ex-officio, Chairman.

III. STUDENT

STUDENT COUNCIL OFFICERS—Don Loudermilk, '48, President; FELICE JOBE, '49, Recording Secretary; Virginia Blanton, '48, Corresponding Secretary; Charles Proctor, '48, Business Manager.

STUDENT COUNCIL MEMBERS—Charles Proctor, President of the Senior Class, '48; Jane Dunbar, Iras Rae Farley, William Hussian, Maxine Woods, all of Class of '48; Clyde Steele, President of the Junior Class, '49; James Driscoll, '49, Fred Moore, '48, Betty Tonelli, '49; Tom Farley, President of the Sophomore Class, '50, Don Craig, '50, Richard Farley, '50, Patricia Foley, '50; Alvin Hunt, '50; Robert Stone, President of the Freshman Class, '51; Gloria Pack, '51; Richard Shuck, '51; Don Williamson, '51.

ELECTION BOARD—Dr. Conley Dillon, Chairman; Students: Virginia Blanton, Jane Dunbar, Fred Moore, Don Loudermilk, ex-officio.

STUDENT COURT—Faculty: Dr. Burnside, Mr. Maclin, Dr. Van Bibber. Students: Betty Jo Blair, Robert Burford, Carl Fisher, Bonnie Walton.

IV. SPECIAL

COMMITTEE ON ASSOCIATION OF AMERICAN UNIVERSITIES—Mrs. Veta Lee Smith, Chairman; Dean Bartlett, Dean of Teachers College, Mr. Bledsoe, Mr. Brown, Dr. Edeburn, Dr. Harris, Dr. Hayward, Dr. Howgate, Dr. Noble, Dr. Loemker, Mr. Roudebush, Dr. Van Bibber, Miss Wehler.

Edin - Services
COLLEGE SERVICES—Dr. Fitzwater, Chairman; President Smith, Dean Bartlett, Dean of Teachers College, Dr. Harris.

COMMUNITY CHEST COMMITTEE—Mr. Britton, Chairman; Mr. Beckett, Mrs. Dorsey, Dr. Edeburn, Mrs. Owen, Miss Rhoades, Mr. Willey.

CURRICULUM COMMITTEE—Dr. Howgate, Chairman; Dean Bartlett, Dean of Teachers College, Dr. Davis, Dr. Dillon, Mr. Loy, Mr. Jablonski, Dr. John Martin, Dr. Noble, Dr. Woods, Dr. Harris, ex-officio.

FACULTY LOUNGE COMMITTEE—Mr. Stender, Chairman; Mr. Britton, Miss Flower, Dr. Moffat, Miss Nellie Maude Smith, Mrs. White.

FACULTY SERVICE COMMITTEE—Mrs. Bragonier, Chairman, Miss Berryman, Mr. Creighton, Miss Foulk, Mr. Maclin, Mr. White.

COMMITTEE ON FIRE HAZARDS—Mrs. Evans, Chairman; Mr. Beckett, Dr. Davis, Mr. Pino, Mr. Fred Smith, Dr. Whitsel; Students: Harold Ellis, Daniel Robinson.

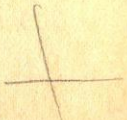
CAFETERIA FOOD COMMITTEE—Mr. Fred Smith, Chairman; Dean Brailey, Dean Buskirk, Miss Gray, Mr. Springer. Students: Kathleen Bird, Earl Kirker, Lucy Ann McKenzie.

RADIO ADVISORY COMMITTEE—Mr. Ranson, Chairman; Dr. Jansen, Mr. Loy, Mrs. Veta Lee Smith.

V. ALUMNI

OFFICERS—Leonard Samworth, '35, President; Mrs. Kenneth C. Boggs, '26, Vice President; Harry Brawley, '31, Vice-President; Burtis W. Anderson, '41, Secretary; Alice Virginia Casto, '36, Treasurer.

EXECUTIVE COMMITTEE—Holdover Members: Conley H. Dillon, '28; Frank E. Hanshaw, '31; Thomas W. Harvey, Jr., '39; Margaret E. Leckie, '32; Winifred Newman, '29; Walden Roush, '35; Tom Stark, '31; Harry A. Wolfe, Jr., '30; N. W. Yates, '12. New Members Mack Brooks, '36; Mrs. J. G. F. Johnson, '29; Sam Kitchen, '31; C. H. McKown, '28; Houston Smith, '32; C. W. Strickling, '12; Mrs. George A. Sutcliffe, '26; Cyril P. Wilson, '31.



GENERAL INFORMATION



OBJECTIVES

HISTORY

LOCATION

PHYSICAL PLANT

STATEMENT OF INSTITUTIONAL PURPOSES

Marshall College, an institution of higher education supported by the State of West Virginia, has for its general purpose the highest development of the personality of its students. It encourages them in the attainment of scholarship and the acquisition of skills. Further, the college recognizes an obligation to contribute to the cultural growth of its community.

The college aids in developing those who come under its influence by providing them the opportunity to understand and to contribute in a positive way to the culture in which they live; to develop and maintain physical health; to participate in democratic processes. It endeavors to inculcate worthwhile spiritual, social and economic values; to stimulate intellectual curiosity and the desire to continue personal and professional growth.

Various departments of the college provide for education and training in specialized fields to prepare for professional, technical, and industrial careers.

The institution offers for community advancement evening courses, extension classes, lectures, musical programs, conferences, forums, and other campus and field activities.

HISTORY

Marshall College was founded in 1837 by citizens of Cabell County "to keep up a good school preparatory to entering college . . . and to prepare young men for teachers in the common schools of the country."* One of the leaders in the movement was John Laidley, friend and admirer of Chief Justice John Marshall for whom the school was named. According to tradition, the Cabell citizens met at the Laidley home in the summer of 1837 and made arrangements to take over the subscription school already organized by Isaac Peck at Mt. Hebron, two miles down the Ohio River from the thriving town of Guyandotte.

On March 13, 1838, the Virginia Assembly acted upon the recommendation of its committee on education and passed an "Act to incorporate the Marshall Academy in the County of Cabell." The act gave the trustees corporate powers, limited the value of the property to \$20,000, and provided the powers for the "Trustees and their successors to appoint a president, tutors, treasurers, librarian and such other officers as they may deem necessary . . ." Under the provisions of the act, the trustees raised the money and purchased for \$40.00 one and one half acres from James and Lucy Holderby who stipulated that "the land was for the purpose of an academy and no other." The trustees erected a two-story brick building, but had to incur some debts in

*Third Annual Report of the Trustees to the President and Directors of the Literary Fund, November 4, 1840.

sinking a well and enclosing the lot. The first annual report to the president and directors of the Literary Fund was signed by John Laidley, president, and Frederick G. L. Beuhring, secretary. They stated that the academy was organized in two departments—the primary school and the classical department, including instruction in languages and mathematics.

With apparent success in academic matters in spite of precarious financial support from the Literary Fund, the Academy during the 40's supplied competent teachers for the county schools and sent its graduates east and north to college. In 1850, the Methodist Episcopal Church South in conference at Parkersburg accepted the academy and its financial obligations from the trustees. The Conference with the Reverend Staunton Field, chairman of its education committee, working earnestly in behalf of the school, improved the physical plant extensively, but ran into serious financial difficulty. So great was their distress that the trustees and conference committee, in October, 1857, agreed to petition the Virginia Assembly to extend the academic status of the school to the college level. Thus on March 3, 1858, the following act was passed:

"An Act to amend and re-enact an act passed the 13th day of March 1838, entitled an act to incorporate the Marshall academy in the county of Cabell, and to establish Marshall college.

1. "The Marshall academy in the county of Cabell is hereby erected into a college: which shall be known by the name of Marshall College. . . ."

8. "The trustees, or any quorum of them, shall have the power and authority to meet at such times as they shall deem necessary, for the examination of any candidate for literary degree whom the faculty may recommend; and they are hereby authorized and empowered to confer such degrees on such persons as in their opinion shall merit the same, in as ample a manner as any college of this commonwealth can do, and under their common seal to grant testimonials thereof, signed by the faculty of the college."

9. " . . . and nothing here contained shall be so construed as at any time to authorize the establishment of a theological professorship in said college."

The first full college faculty of five members under the new act was elected June 22, 1859. The enrollment was satisfactory and academic progress was reported by President Benjamin Thaxton and Chairman Staunton Field. Financial support, however, continued to be inadequate; in fact, with the outbreak of the Civil War the situation became acute. The school was sold for debts in 1861 and the records though meager indicate that a private school was maintained to satisfy the clause in the early deed "That the land was for the express purpose of an academy and no other." Out of the confusion of the war, the State

of West Virginia was born. New leaders recognized the need for teachers for the schools of the new state. On February 27, 1867, the Legislature passed an "Act for the establishment of a State Normal School to be called the West Virginia State Normal School for the instruction and practice of Teachers of common schools in the science of education and the art of teaching, to be established at Marshall College, in the County of Cabell."

The establishment of the State Normal School at Marshall College did not materially change the nature of the work of the school, which continued to be academic in character with courses for teacher training added. The first attempt to establish a practice school failed, but in 1902, the Board of Regents set up a department of education and selected a competent training teacher for the practice school; this department has been in continuous operation since that time. The academic work continued to be a "foundation for normal work and preparation for entrance to dental, medical, law and other professional schools, and for admission to more advanced academic institutions." In February, 1920, the State Board of Education approved a recommendation from the Marshall administration and faculty that the "A. B. degree in education" be conferred. The Teachers College was duly organized and the first baccalaureate degrees were conferred upon four candidates in June, 1921. In January, 1943, the Teachers College was authorized to give teacher training in Vocational Home Economics under the Smith-Hughes program.

The College of Arts and Sciences, established in June, 1923, conferred the first liberal arts degrees in June, 1924. In August, 1938, the Bachelor of Science degree was authorized, and in 1940 the degree in general engineering, Bachelor of Engineering Science, was established. In the spring of 1945 the Associate in Arts and Associate in Science degrees were approved in ten fields upon the completion of a two-year curriculum in any one field.

Graduate work in six departments was authorized in October, 1938. This division has been extended to nine departments and confers the Master of Arts and Master of Science degrees.

LOCATION

Marshall College is advantageously located in Huntington, West Virginia's largest city. Huntington is served by three major railway systems and motor bus lines.

The growth in industrial enterprise in southern and southwest West Virginia means constant growth in population and in business and professional opportunities for students.

new program
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BUILDINGS AND GROUNDS

The Marshall College campus consists of about twenty-five acres near the center of Huntington. On these beautifully shaded grounds are the following buildings:

Old Main, the oldest and largest building on the campus, contains the auditorium, numerous classrooms, offices for many members of the faculty, and all the administrative offices. The college bookstore and the college post office are in the basement.

Northcott Science Hall was completed in 1915 and named in honor of the late G. A. Northcott, a distinguished citizen of Huntington. It contains lecture rooms and laboratories for the departments of physics, chemistry, biology, botany, zoology, and home economics.

The Physical Education Building, completed in 1921, provides facilities for the physical activities of men and women. It has two swimming pools, one large and two small playing floors, lounges, and offices for the teachers and executives of this department.

The Music Hall, although not originally planned for college purposes, was acquired, remodeled, and enlarged to provide a small auditorium for recitals, practice rooms for piano and voice students, a band room, and a number of classrooms.

Ceagy — **The James E. Morrow Library**, erected in 1930 and named in honor of a former president of the college, contains the entire library collection, reading rooms, art museum, several classrooms, and offices and workrooms for the library staff.

The Clinic, a building located at 1712 Fifth Avenue, is readily accessible to the dormitories. A full-time nurse and a resident physician are at the clinic during definite hours. The services of the clinic are available to all students.

College Hall, the "old dormitory," is a residence hall for women. On the first, the second and third floors are rooms sufficient to house sixty-eight students.

Laidley Hall, a modern dormitory opened in 1937, will house 150 girls. It contains the nurse's suite with a two-bed infirmary and diet kitchen.

Hodges Hall, opened in 1937, is a residence hall for men. It provides living room for 175 men.

The College Dining Hall, located between Hodges and Laidley Halls, is intended to accommodate the residents of the dormitories.

The Greenhouse, student recreation center, is located in the basement of the dining hall and is open for week-end and evening activities. A hostess is in charge.

Everett Hall, a three-story residence on the corner of Fifth Avenue and Elm Street, is the Home Management House under supervision of the Department of Home Economics. A nursery school occupies the first floor; senior girls majoring in home economics use the second and third floors as the Home Management House.

Veteran's Housing is provided in three units. **Green Village**, located on the campus includes thirty trailers for married veterans. **Allen Court**, located approximately two miles west of the campus on city bus lines, has accommodations for sixteen married veterans and 100 single men. **Donald Avenue Housing Project** is located two miles south of the campus with limited bus service. Sixty-two units are available for married veterans.

The Albert Gallatin Jenkins Laboratory School at the time of its dedication in 1938 was named in honor of a distinguished Confederate cavalry officer who was a native of Cabell County. Because the laboratory school provides for kindergarten, elementary, and high school education, the work done in this modern, fully equipped building makes possible an enriched program for pupils and prospective teachers.

The Shawkey Student Union was built in 1932 and named in honor of Dr. Morris P. Shawkey, who for twelve years was president of the college. As the social center of the college it is the scene of many informal gatherings, college dances, and receptions.

The College Book Store in the basement of Old Main is maintained by the college for the convenience of students and faculty. Here textbooks and other school supplies are sold at reasonable prices. The college post office is housed in the book store.

Fairfield Stadium, about eight blocks from the campus, is a modern structure accommodating about 12,000 persons.

GENERAL INFORMATION



ADMISSIONS

Requirements

Freshman Days

Registration

ADMISSIONS

General Requirements

Admission to Marshall College may be obtained in one of three ways:

1. By a certificate of graduation and credit properly certified from an accredited* secondary school.
2. By properly certified transcript and statement of good standing from a standard** college or university.
3. By examination.

VETERANS

Veterans are urged to apply for benefits as provided in the G. I. Bill, by filing form 1950 with the local Veterans Office.

The high school record and application for admission must be filed in the Office of the Registrar prior to admission. All veterans are requested to send or bring to this office one certified or photostatic copy of their separation papers, or in the absence of such papers one copy of discharge papers.

All veterans are urged to report to the college for an initial interview prior to the date of registration.

Veterans who have not completed high school and are within the college age range may be admitted to college on the basis of the results of General Educational Development Tests. Arrangements for taking this battery of tests should be made with the Office of the Registrar well in advance of the opening of the term in which the student wishes to enter.

Admission of High School Graduates

An applicant for admission by high school certificate should file with the Registrar an official statement of his credits, signed by the proper official of the school from which he comes, **at least fifteen days before the date of registration.** This certificate should come directly from the principal of the secondary school. The Registrar will notify the applicant as to the acceptance of his credits. Failure to abide by this regulation will often cause a delay in registering, and may result in the payment of a late registration fee of \$2.00.

*Accredited schools are standard high or preparatory schools as classified by the Department of Education in the various states, or by any of the regional accrediting agencies, such as the North Central Association of Colleges and Secondary Schools.

**Standardized by membership in one of the associations of colleges and secondary schools.

Transfer Students

Students entering Marshall College from colleges and universities other than those supported by the State of West Virginia and operated under the direction of the State Board of Education, must meet the entrance requirements of this college and have an average grade of C in transferred subjects.

Transcripts from state supported institutions will be accepted at face value.

An official transcript and a statement of honorable dismissal from the institution last attended should be on file in the Registrar's office at **least fifteen days prior to the opening of the semester** if the student wants his admission cleared before registration.

A transcript to be official must come direct from the institution issuing it, must bear the official seal of the institution, and the manual signature of the proper official. The transcript should show the descriptive title of the courses, the year in which the work was done, the number of credits, and the grade. A transcript when accepted becomes the permanent property of the college and will not be returned to the student.

Examination for Entrance

Entrance examinations may be offered at the beginning of each semester if requested. No student is permitted to take an entrance examination in any subject for which he has college credit. All candidates for entrance must notify the Registrar at least one week before the examinations are to be taken.

Examination for Advance Standing

Examinations for advance standing must be taken within three months after the opening of the semester. Each candidate for examination must secure a permission card from the Registrar's office at least five days before the date of examination.

No credit of collegiate work will be allowed for work done in the former normal training high schools, except as authorized by the West Virginia State Board of Education. By action of the board five-eighths college credit may be allowed for such work up to a maximum of twenty (20) hours.

Specific Requirements

Resident Students. Residents of West Virginia who are graduates of accredited high schools will be admitted to Marshall College on certificate, provided they have 15 units of high school work including:

English (composition, rhetoric, literature)	3 units
American History	1 unit
Biology or science or mathematics	1 unit

The remainder of the work may include whatever subjects approved first class high schools certify as counting toward graduation.

Resident students who have graduated from non-accredited high schools must meet the above requirements and may be required to pass an examination given by the college.

Non-resident students from accredited high schools may be admitted if they meet the above requirements for resident students and rank in the upper 50 per cent (or upper half) of their high school graduating class.

Admission to the college does not necessarily qualify a student for admission to the various curricula or departments. In every case the student must meet the requirements for the curriculum or department in which he wishes to enroll.

Not less than one unit of a foreign language, chemistry, and physics will be accepted.

Not less than one-half unit in any subject will be accepted. Not more than one unit each in journalism, dramatics, arithmetic, and public speaking will be accepted.

Students whose scholastic average in high school is less than C or whose average is less than that specified by the high school as a recommendation for college admission may be admitted on probation.

Admission to Teachers College

By regulations of The State Board of Education any graduate of a first class high school in West Virginia, with credits obtained in any one of the curricula provided for high schools, may enter upon a teacher training curriculum.

A student with fifteen (15) units of credit obtained in one of the high school curricula may be admitted conditionally, but not more than thirty-two semester hours of college credit may be taken before the requirements for high school graduation have been met in full.

Admission to the College of Arts and Sciences

The three degrees offered within the College of Arts and Sciences require slightly different entrance credits. The entrance requirements for the different degree curricula follow:

Students interested in securing the A. A. or A. B. degree should present two units of a foreign language.

Students interested in securing the A. S. or B. S. degree should present two units of mathematics, one algebra and one geometry. It is recommended that a student also present two units of a foreign language.

Students interested in securing the B. E. S. degree should present three units of mathematics, one each of algebra, geometry, and trigonometry. It is recommended that a student also present two units of a foreign language, one unit of physics, and one unit of chemistry.

Admission to Graduate Study

Admission to graduate courses is open to graduates of Marshall College and to graduates of all other accredited colleges and universities provided their undergraduate records are satisfactory. Students who are graduates of non-accredited institutions may be admitted conditionally. Admission to graduate study is based on official transcripts of high school and college credits and on the information contained in the formal application for admission to the Graduate Division of Marshall College. This application form may be secured by writing to the Chairman of the Graduate Council. Applications should be submitted one month prior to the beginning of the semester in which the student plans to register. Two official transcripts of the applicant's undergraduate work should be sent to the office of the Registrar. One of these will remain in the Registrar's office and the other will be delivered to the office of the Graduate Council. All graduates of standard four-year colleges must register in the Graduate Division of the College. Seniors who, in the last term or semester of their undergraduate work, need fewer hours than a full schedule to meet the requirements for the undergraduate degree, may complete their schedules by taking graduate courses for credit to be applied toward the master's degree.

Provisional Admission to the College

Candidates for admission who do not present entrance certificates, or who come from other institutions without letters of honorable dismissal and official transcripts may, at the discretion of the Admission Committee, be allowed to register provisionally. In all such cases the Registrar will make immediate inquiry of the institution from which the applicant comes, and if satisfactory transcripts and statements of good standing cannot be obtained, the registration will be cancelled and the fees paid by the applicant will be returned. A provisional registration will be continued for a period of time not to exceed two weeks.

To avoid embarrassment, all incoming students should request high school principals and college registrars, well in advance of the opening of the college semester, to send their transcripts to the office of the Registrar at Marshall College. High school principals are often on vacation or in school during the summer months and college registrars are very busy during the late summer months; therefore, student transcripts are delayed.

FRESHMAN DAYS

In order to give freshmen an opportunity to adjust themselves to their new surroundings, the college sets aside a period at the beginning of each semester for their reception and registration. (See college calendar for dates.) During these days the freshmen become acquainted with the campus and the facilities provided for their instruction and welfare. Selected upper-classmen and members of the faculty greet the new students and assist them in adapting themselves to college life.

During this period, placement tests in English will be given to all entering freshmen and to transfer students who have not had college English. Students who show proficiency in certain other subjects which they began in high school and wish to continue in college, such as music, general biology, physical science, and foreign languages, will be assigned to advance classes and given credit for the course or courses thus passed by examination. All tests missed during the Freshman Day program must be taken before a student can fully complete registration.

An opportunity is given each student to confer with advisers regarding living accommodations and personal problems; to take required medical examination at the college clinic; to become acquainted with the campus and location of buildings, including lecture and laboratory rooms, library, and other points of interest.

All freshmen are required to attend a special Freshman Assembly at 9:00 A. M. in the college auditorium on the first day of the program. At this time the administrative officers of the college will be introduced, the president will address the new students, and the program for Freshman Days will be outlined. Freshmen who miss or arrive late for this program will experience considerable delay and confusion in starting their college work.

REGISTRATION

It is understood that prior to registration day an official transcript has been filed in the office of the Registrar for all incoming freshmen and transfer students, for which they have received an admission ticket.

All students are expected to register on the day set aside for registration at the beginning of each semester or term. (See college calendar for dates.) Students who register and/or pay tuition fees after the date specified will have a late registration fee added to the regular fees.

The following steps are to be observed in registering:

1. Instructions will be issued to freshmen during Freshmen Days.
2. Registration books, registration time tickets, and schedules of classes will be issued to upper-classmen the day before and during the day of registration by the Registrar's office.
3. At the hour designated on the registration time ticket, the student will report to the Morrow Library, where he will consult with faculty advisers and sign for classes.
4. Fees are due and payable at the Financial Secretary's office, Room 101 Main, the day of registration. Registration is not complete and the student is not permitted to enter classes until the tuition fee is paid.

GENERAL INFORMATION



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ACADEMIC INFORMATION

ACCREDITING

Marshall College is accredited by the North Central Association of Colleges and Secondary Schools and the American Association of Teachers Colleges, and is a member of the Association of American Colleges and the American Council on Education. Therefore, academic credits earned in Marshall College are fully standardized, and are accepted by all other colleges and universities.

SEMESTER HOURS—DEFINITION

The semester hour is the basis of college credit within the institution. A semester hour is the credit received for taking a subject one hour per week for one semester of eighteen weeks.

Laboratory courses require two periods per week for eighteen weeks for each semester hour of credit.

GENERAL INFORMATION

GRADING SYSTEM

The following system of grading is used within the institution:

- A—Honor, given only to students of superior ability and performance.
- B—Good, given for ability and performance distinctly above the average in quality.
- C—Average, given for ability and performance of average quality.
- D—Lowest passing grade, given for ability and performance of poor quality.
- F—Failure, signifies entirely unsatisfactory work. Course must be repeated if credit is to be received.
- FIW—Failure because of irregular withdrawal.
- I—Incomplete, given to students who miss some or the last exercises of the class work because of illness, or some other equally good reason. When the work missed is done satisfactorily the final grade may be any one of the four passing grades. If the deficiency represented by I is not made up within a year of residence, or for those who attend summer school only, within the next summer's residence the grade automatically becomes F.
- W—withdrawn (See page 41)

QUALITY POINTS

The quality of a student's work is indicated by quality point.

Candidates for graduation must have at least as many quality points as semester hours to their credit.

Quality points are computed as follows:

A—Three (3) quality points for each semester hour of credit.

B—Two (2) quality points for each semester hour of credit.

C—One (1) quality point for each semester hour of credit.

D—No (0) quality point for each semester hour of credit.

It is the student's responsibility to keep informed on his quality point standing. This information can be obtained at any time from the Dean of the college in which the student is registered.

Quality points in excess of one per semester hour are transferable only on grades earned in West Virginia state supported colleges and universities.

EXAMINATION, MID-SEMESTER AND FINAL

In practically all courses offered in the college, the student receives both a preliminary or mid-semester grade and a final grade. The mid-semester standing of a student is based on the daily recitation grades and a special test given during one or more regular recitation periods. Mid-semester grades are not entered on the Registrar's records. The final grade is based on the class standing for the entire semester and a written final examination, except that the manner of determining the final grade of senior and graduate students provisionally approved for graduation at the end of the semester or term is left with the Dean of the college or Chairman of the Graduate Council.

ABSENCE FROM EXAMINATIONS

Students are required to take all regular examinations. If a student attends a course throughout the semester and is absent from the examination without permission, the instructor shall count the examination as zero and report the final grade as FIW. If in the opinion of the instructor the absence of the student was for a satisfactory reason, the grade I will be reported and the student may, upon application, take the examination at a later date.

CLASSIFICATION OF STUDENTS

Students who have completed not less than ninety hours of college work are classified as seniors.

Students who have completed not less than fifty-eight hours and not more than eighty-nine hours of college work are classified as juniors.

Students who have completed not less than twenty-six hours and not more than fifty-seven hours of college work are classified as sophomores.

Students who have completed the high school or secondary course and not more than twenty-five hours of college work are classified as freshmen.

NUMBERING OF COURSES

Courses 1-99 are sub-college courses and do not carry college credit.

Courses 100-199 are primarily for freshmen, open to sophomores unless otherwise specified. Courses 200-299 are primarily for sophomores, open to freshmen and juniors unless otherwise stated. Courses 300-399 are for juniors and seniors, open to sophomores only upon special permission. Courses 400 marked with * are open to seniors and graduates. Courses 500-599 are for graduate students only.

ASSIGNMENTS AND CREDITS

1. **Semester Load.** A student who enters at the beginning of a semester may be assigned as much as sixteen semester hours, but not more, except by special permission of his Dean. Two laboratory hours shall count as one semester hour.

2. **Change of Schedule,** i.e., adding courses, dropping courses, changing class hours or days, changing instructors, or other changes of any kind will not be permitted after the student has registered for the semester except by permission of a committee on change in schedules.

3. **"Regular" Student Defined.** Each "regular" student shall carry at least twelve semester hours.

4. **Late Registration Load.** If a student enters late, the maximum assignment of sixteen semester hours may be reduced; and to receive credit for eighteen weeks' work in any subject assigned he must pass satisfactorily an examination on all the work covered by the class up to the time of his entering. In laboratory subjects all "make up" work must be done hour for hour in the laboratory.

5. **Repetition of Courses.** No student will be permitted to take a course more than twice except by special permission of the College Council. The second registration in the course is the final one unless the student has to withdraw from college before completing the course.

6. **Class Preparation and Attendance.** A student is expected to devote not less than two hours of preparation for each class hour. This minimum is indispensable to the success of the student in any college course.

A student is expected to be in attendance at all class sessions. The college does not excuse a student from class assignments or failure to attend classes. Enforced absences due to health, death in the immediate

family, or similar causes should be reported promptly to the instructors concerned. In such cases and whenever possible, the instructor will provide an opportunity for the student to make up work missed.

7. Withdrawal from the College. A student desiring to withdraw from the college must apply to the academic Dean for permission. Upon giving permission, the Dean will inform the Registrar *immediately*, who in turn will inform the instructor concerned. The instructor will record a W on his class record followed by the date of the last class attendance; thus, W 3-14-40. In case such drop notice is issued later than one calendar month after the date for the first class meetings in the semester, or ten days after the first class meeting in the summer session, the W shall also be accompanied by a grade in parenthesis to show the quality of the student's work up to the time of the last attendance; thus, W (P) 4-9-41, passing or W (F) 3-2-40, failing. Such grades can be used as part of the student's record for the semester in determining his eligibility for enrollment the following semester. Withdrawals from courses may not be secured after one month following the beginning of classes in the semester.

Students who withdraw from college without permission will receive at the end of the semester a grade of FIW, failure because of irregular withdrawal, in each subject for which they are registered and will be indefinitely suspended from college. The instructor will record a FIW on his class record and report followed by the last date of attendance in class.

8. Probation. Conditions which will impose a probationary status upon a student:

1. Failure to pass 75% or the nearest whole number of hours of work carried during any semester or summer school term.
2. Failure to earn a quality point average of 0.5 on the work carried during any semester or summer term at the freshman and sophomore level, or an average of 1.0 at the junior and senior level.

REMOVAL OF PROBATION. A probationary student may carry no more than the minimum load for a regularly enrolled student during the semester or summer session in which he is on probation. On this work an average grade of C or better must be earned and there must be no failing grade. When these requirements have been met the probationary status of the student is terminated. Should the student fail to meet the probationary requirements he may, at the discretion of the academic dean, be permitted to remain in school one additional semester on continued probationary status.

9. Suspension. Students are subject to the rules and regulations made by the college for their guidance and government; for any failure to comply with such regulations, a student may be suspended or expelled as provided by the Board of Education.

10. **Minimum Resident Requirements for Graduation.** For the A. B., B. S., or B. E. S. degree, at least one year's work in residence is required, one semester of which must be in the senior year. A "year in residence" must represent not less than thirty-six weeks' work in residence with not less than twenty-four hours' credit.

THE DEAN'S LIST

Those students who are registered for twelve or more hours and who at the end of the semester receive grades averaging B or above are considered honor students and a list of such students constitutes what is known as the Dean's List.

HONOR STUDENTS

Candidates for graduation who have achieved special distinction in academic work are recognized at Commencement by having printed on their diplomas, first, second, or third honors as determined by quality points; **summa cum laude** (2.85 and above); **magna cum laude** (2.6 to 2.85); **cum laude** (2.3 to 2.6). To be recognized, the candidates must have attended Marshall for at least two years.

Honors at Commencement are based upon the entire scholastic record at Marshall College of the student, including the final grades of the second semester of the senior year.

CAMPUS HONOR SOCIETIES

Alpha Psi Omega, an honorary dramatic fraternity, organized in 1925 by Professor E. Turner Stump, then of Marshall College, and Dr. Paul E. Opp, of Fairmont State College, is one of the largest honorary groups in the world. The Beta Cast is at Marshall College. Membership is conferred for consistently good work in all phases of theatrical production.

Chi Beta Phi, an honorary scientific fraternity, was founded at Randolph-Macon College, Ashland, Virginia, in 1916. It is affiliated with the American Association for the Advancement of Science. Kappa Chapter (men) was established at Marshall in 1925, and Gamma Chapter (women) in 1934. The purpose of the organization is to promote an interest in science and in so doing give recognition to students actively interested in scientific pursuits who maintain high levels of scholastic and personal achievement.

D-Rho-D-Theta, an honorary engineering fraternity, was organized at Marshall in 1936 for the purpose of recognizing outstanding engineering students and of fostering high scholastic standards. Students to be eligible for membership must fulfill definite academic requirements and attain a 2.00 quality point average for the preceding semester.

Kappa Delta Pi, an honorary society in education, was organized in 1911 in Illinois. Phi Chapter, organized by Miss Isabella Wilson of

Alpha Chapter, at Marshall June 7, 1923, was the twenty-first chapter to be established. The society now boasts a Laureate Chapter, four alumni chapters, and 131 institutional chapters. Its purpose is to encourage in its membership high intellectual and scholastic standards, to foster devotion to social service during the period of preparation for teaching, and to recognize outstanding contributions in the field of education.

Kappa Omicron Phi, an honorary professional home economics fraternity, was founded at Northwestern Missouri State Teachers College in 1922, and Epsilon Chapter was established at Marshall in 1925. The purpose of the society is to further the interests of home economics. Those women who fulfill certain academic requirements and who maintain high moral and personal standards are eligible for membership.

Omicron Delta Kappa, an honorary leadership fraternity for junior and senior men, was established at Washington and Lee University, Lexington, Virginia in 1914. Beta Lambda Circle was founded at Marshall College in May, 1947. The threefold purpose of Omicron Delta Kappa is to recognize leadership, to bring together representative men on the campus, to build morale, and to bring together faculty and student leaders to increase mutual understanding and interest. The qualifications for membership are service and leadership in at least two extra curricular fields plus scholarship (1.5 in the last two semesters).

AWARDS FOR DISTINCTION

Chi Beta Phi Fraternity Awards. The Key Award is given annually to the man and woman of Gamma Chapter (women) and Kappa Chapter (men) who have been most actively interested in scientific pursuits.

A life membership in Chi Beta Phi, based on scholarship, character and active interest in science, is given annually by Gamma and Kappa chapters to a man and to a woman eligible to join the fraternity. Awards are determined by vote of the fraternity.

D-Rho D-Theta, honorary engineering fraternity, annually awards an engraved cup to the sophomore engineering student who makes the highest scholastic average during his freshman year.

Fourth Estate Awards. The honorary journalism society for women presents two awards annually, a key to the woman student on the campus who has written the most outstanding piece of published work; a key to the woman who has done the most consistent good work in journalism.

Professor R. P. Hron awards annually to the student majoring or minoring in physics who makes the highest average grade in his physics course during the year, a membership in the American Association for the Advancement of Science.

The Huntington Engineers' Club annually awards a prize to the engineering student whom they judge to be outstanding in the upper quarter of the sophomore class.

Huntington Chapter, West Virginia Society of Professional Engineers, awards a prize to the student whom they judge to be outstanding in the upper quarter of the junior class.

Huntington Chapter, American Association of Engineers, awards a prize to the student whom they judge to be outstanding in the upper quarter of the senior class.

Marshall Chamber of Commerce Awards. The organization for students interested in commercial subjects awards annually a key to the man and a pin to the woman majoring in commerce who, during their four years at Marshall College, have shown all-around achievement.

THE LIBRARY

The college library has 59,000 catalogued books and 300 current periodicals, and a number of special collections. One of the important special collections is the Art Collection, a gift from the Carnegie Corporation, which contains 2,500 photographic reproductions of famous works of art and 300 books. The library is a depository for government documents.

At the beginning of each semester, the freshmen are given three hours of instruction in the use of the library.

EVENING CLASSES

Evening classes have been established in answer to a direct need, and are for those persons who for a variety of reasons are not able to attend classes during the day. The institution will offer any and all courses for which there is a sufficient demand in Teachers College, the College of Arts and Sciences, and the Graduate Division. Courses offered are those that will lead to the baccalaureate degrees and the master's degrees, or to a broad liberal education in the arts and sciences. Classes are held from 6:00 to 9:30 in the evening.

Announcements of classes to be offered will be released one month prior to the opening of the semester and may be secured from the Registrar's office. Persons interested in special courses should communicate with the Dean of the college concerned or the Chairman of the Graduate Council.

TRANSCRIPTS

Every student at Marshall is entitled to one official transcript of his record free; for each additional copy a fee of one dollar (\$1.00) cash will be charged. Students are urged not to request transcripts at the

beginning of a semester or between semesters if they want prompt service as the press of other work in the Registrar's office makes it impossible to prepare transcripts immediately.

A student who defaults in the payment of any college dues or loans forfeits his right to claim a transcript.

An application for a transcript of credit should furnish the date of last attendance at Marshall College, and a married woman should give both her maiden and married names.

All requests for transcripts should be sent directly to the Registrar.

Transcripts are prepared in the order received.

GENERAL INFORMATION



FEEES AND EXPENSES

FEES AND EXPENSES

All registration and laboratory fees are due and payable at the cashier's office on the day of registration.

The cashier accepts cash, postal money orders, or approved personal checks written for the exact amount of the obligation. All checks must be made payable to Marshall College, and no check will be accepted until day of registration.

REGISTRATION FEES

Full-time Students (twelve or more semester hours)

	Resident of West Virginia	Non- ¹ resident
Tuition Fee	\$30.00	\$100.00
Student Activity Fee	7.50	7.50
Hospitalization Fee75	.75
Total Registration Fee	38.25	108.25

Part-time Students (less than twelve semester hours)

Fee per Semester Hours²

Resident Classes	3.00	9.00
Extension Classes	7.50	7.50

SPECIAL FEES

Late Registration Fee ³	\$ 2.00
Graduation Fees	
Associate Degree	5.00
Baccalaureate Degree	5.00
Graduate Degree	10.00
Fee for Change of Schedule	1.00
Special Examination for Credit, per semester hour	3.00

Graduation fees will be due and payable on notification from the dean of the student's respective college.

Music Fees

No special fee is charged for music. Any regularly enrolled full-time student may enroll for music courses listed under Teachers College with permission of Head of Music Department and Dean.

Piano practice, one hour per day	\$ 3.00
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¹NON-RESIDENT FEES. The term "non-resident fees" shall apply to and include those students from foreign states who move into the vicinity of a state college for the purpose of attending college and who will return to their former places of abode without the State of West Virginia at the close of the school or shortly thereafter.

The term shall not apply to nor include those students whose parents have moved from foreign states who have declared their intention of becoming bona fide residents of the State of West Virginia at the close of schools or shortly thereafter. The children of such parents shall be admitted to the college under the direction and supervision of the State Board of Education on payment of fees required of bona fide citizens of the State.

²FEE PER CREDIT HOURS. This fee does not include a student activity book. Part-time students may purchase the book for \$5.50.

³Penalty for those who register after the registration date stated in the catalogue.

LABORATORY FEES

Laboratory fees are stated in the description of the courses and are Payable at the time of registration. (See Courses of Instruction.)

ROOM RENT

(Per Semester of 18 Weeks)

Laidley Hall

Small doubles, each student	\$40.00
Large doubles, each student	45.00
Singles	50.00
Small double, single occupant	60.00

Hodges Hall

All rooms	per person	\$45.00
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Allen Court

All rooms	per person	\$35.00
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A ten-dollar (\$10.00) deposit is required with all room reservations. When a reservation is cancelled eight dollars (\$8.00) will be refunded, if the cancellation is received in the office of the Dean of Women (girls) or the Dean of Men (boys) by September 1 for the first semester and by January 10 for the second semester. No student may occupy a room in a dormitory until the ten-dollar deposit has been paid. The deposit will be credited to the semester's room rent.

Room assignments are made in order of application. West Virginia students are given preference.

A refundable "security fee" to cover breakage or damage beyond normal wear and tear is required of all students who live in college owned housing. The fee is \$5.00 for dormitories and \$10.00 for family dwelling units.

BOARD

All students living in the dormitories must take their meals in the College Dining Hall. Meals are available to students rooming off the campus at the same rate as resident students.

The cost of board is \$126.00 for each semester. This cost is based on prevailing prices and is subject to change in the event of continued price increases in food cost. Board may be paid in full upon entrance or in two equal installments each semester. The first installment is due and payable on the day of registration. The second installment is due on November 15 for the first semester and, for the second semester, on April 15.

Two per cent (2%) consumers' tax will be added to the board and room charges. This tax must be paid in full each semester on the first room and board payment.

NOTE: No deduction or refund will be made in room and board charges for short absences (less than one week).

ESTIMATE OF EXPENSES

Estimated semester expenses of a student at Marshall College are outlined in the following table. These estimates are made of both minimum and average expenses and cover the usual charges for board, room, tuition, and fees which are paid to the college. In addition, the costs of college supplies, personal and social expenses are calculated.

	Minimum	Average
TUITION	\$ 30.00	\$ 30.00
Student Activity Fee	7.50	7.50
Hospitalization75	.75
Board	126.00	126.00
Room	40.00	48.00
Books, Gym outfit	20.00	30.00
Supplies, laboratory fees, etc.	5.00	10.00
Social and Personal	45.00	70.00
	<hr/>	<hr/>
	\$274.00 plus tax	\$322.25 plus tax
Out-of-state students pay an additional fee of	\$ 70.00	\$ 70.00

Tuition, hospitalization, student activity, laboratory and graduation fees, dormitory room rent, at least one-half of the board, books, and all tax are payable at the beginning of the semester.

The activity fee entitles students to admission to the Forum, Artists Series for the season, athletic events, College Theatre, copies of *The Parthenon* (college paper), use of the Student Union, and the advantage of hearing lectures brought to the Marshall College Auditorium.

REFUND OF FEES

Students who withdraw regularly from college may have a refund in accordance with the following schedule:

To withdraw regularly from college a student must fill out the card used for this purpose; have it approved by the academic dean, the social dean, and the librarian; and deposit it with the registrar. (A student who withdraws irregularly from college is not entitled to a refund.) Regulations governing withdrawal shall apply to all students, full-time and part-time.

A full-time student is one registered for twelve (12) or more semester hours during a semester.

A part-time student is one registered for less than twelve (12) semester hours during a semester.

I. Withdrawal from college of part-time students

- a. During the first and second weeks of the semester, students carrying four hours or less shall be refunded the full amount paid, less \$0.50 for each semester hour enrolled. All students enrolled for five (5) or more hours shall be refunded all fees less \$2.50.
- b. After the second week of the semester, all refunds to part-time students shall be on the same percentage basis as to full-time students outlined in Item III below.
- c. Withdrawals from Extension Classes. No refund will be granted to a student withdrawing from an extension class unless such withdrawal is due to faculty and/or administrative action.

II. Reduction of academic load by part-time students

- a. During the first and second weeks of the semesters, students carrying four (4) semester hours or less shall be refunded the full amount less \$0.50 for each semester hour dropped.
- b. During the first and second weeks of the semester students carrying five (5) or more hours shall be refunded all fees less \$2.50.
- c. After the second week of the semester all refunds shall be on the same percentage basis as refunds for full-time students, outlined in Item III below.
- d. No refund will be granted to any full-time student who by reason of dropping courses, unless by administrative action, acquires the status of a part-time student.

III. Withdrawal from college of full-time students

Students who withdraw regularly from the college may have a refund in accordance with the following schedule:

No refund will be granted on the student activity, hospitalization, or laboratory fees.

	Amount of Refunds
During the first and second weeks	All tuition fee less \$2.50
During the third and fourth weeks	80% of tuition fee
During the fifth and sixth weeks	60% of tuition fee
During the seventh and eighth weeks	40% of tuition fee
Beginning with the ninth week	No refunds allowed

IV. Withdrawals due to administrative action

When it becomes necessary to cancel a class by administrative and/or faculty action, all students involved will be granted full refund for the class cancelled unless the students register in another course of like value in terms of semester hours. This section shall not apply to withdrawals due to disciplinary action.

V. Fee for change of class schedules

One dollar will be charged for each change in a student's schedule after it has been approved by the dean. This charge shall be waived in those cases where the change is required or desired through no fault of the student, or when caused by incorrect information on the part of the college. A change of schedule includes any addition to, subtraction from, or substitution in original schedule.

The respective Deans shall notify the Registrar of all schedule changes on pink "Change of Schedule Cards." This card must carry a notation from the Dean as to whether the change of schedule fee is to be charged or waived.

VI Fees for fractional hour courses

Tuition for one-half semester hour courses or other fractional hour credit shall be the same as that charged for one semester hour. The present rate of three dollars (\$3.00) per semester hour shall apply to each hour or fraction thereof.

VII. Fees for auditing courses

- a. Faculty members may audit courses without charge. All faculty members desiring to audit courses must secure the approval of their Dean as well as that of the instructor of the course or courses they desire to audit. It will, also, be necessary for them to enroll in the regular manner for such courses.
- b. All persons other than faculty members who desire to audit classes shall enroll and pay fees in the same manner and at the same tuition rate as student enrolling for credit.

VIII. Refund of laboratory fees

No refunds will be granted on laboratory fees unless a student is required to withdraw from a laboratory class by administrative action.

STUDENT PERSONNEL



OFFICES OF THE DEAN OF MEN AND THE DEAN OF WOMEN

STUDENT HOUSING

STUDENT AID

STUDENT HEALTH AND HOSPITAL SERVICE

THE SHAWKEY UNION

PSYCHOLOGICAL CLINIC

STUDENT GOVERNMENT AND ORGANIZATIONS

PLACEMENT SERVICE

VETERANS SERVICE

STUDENT PERSONNEL

OFFICES OF THE DEAN OF MEN AND DEAN OF WOMEN

The offices of the Dean of Men and the Dean of Women are organized for counselling students in their more personal problems. Some of the problems most frequently brought to these offices concern personal adjustments to campus life, housing, finding part-time employment, budgeting expenses, obtaining loans, participation in extra-curricular activities, fraternity and sorority pledging procedures, and interpretation of rules and regulations of the college for guidance of students.

The deans and their assistants welcome inquiries of all kinds from parents and guardians who visit the campus or write for information. Correspondence may be addressed to the Dean of Men, 110A Main Building, or the Dean of Women, 110 Main Building.

STUDENT HOUSING

Living conditions of students in college dormitories are under the immediate supervision of the housemothers who are responsible to the Dean of Men and the Dean of Women. All residence halls, fraternity and sorority houses, and privately owned homes in which students reside are subject to periodic inspection and official approval. Sorority and fraternity houses are in charge of college-approved hostesses who are responsible to the social deans.

In so far as dormitory accommodations permit, students are required to live in dormitories except those residing with parents or close relatives.

Application blanks for reservations in the residence halls may be secured through the offices of the Dean of Men or the Dean of Women. Applications are to be returned with the \$10.00 deposit required for all dormitory reservations. This deposit will be credited on the board and room bill. No student may occupy a room in the dormitories until the \$10.00 deposit is paid. When a room reservation is cancelled, \$8.00 will be returned if the cancellation is received in either of these offices by September 1 for the first semester and one week prior to the date of registration for the second semester. (See college calendar for registration dates.)

Room assignments are made in order of application after students in residence have been placed.

In case a double room has a single occupant the college reserves the right to place that student in a single room of the same price.

There are two dormitories for women: Laidley Hall and College Hall. The room rent of each will be found under Fees.

Men students are housed in Hodges Hall and Allen Court Dormitory. Room rents may be found under Fees.

Allen Court Dormitory is emergency housing, single and double rooms, college cleaned and supervised. The dormitory is on a city bus line about 2½ miles (25 minutes) from the campus.

The dormitories will be open for freshmen and upperclass student guides on September 12. Luncheon will be the first meal served in the dining hall. Upperclassmen will not be expected to occupy their rooms until September 16.

Both men and women students must provide sheets, blankets, towels, study lamps, small rugs, dresser scarfs, and bedspreads. Laundry is sent home or to one of the city laundries.

All residence halls will be closed during the Christmas holidays beginning December 18 at 1 p. m. They will reopen on January 3 at 8 a. m.

All students living in the campus dormitories must take their meals in the College Dining Hall. A new building with modern equipment has been provided with a trained dietitian in charge.

A refundable security fee is required of all who rent campus units. The fee is \$5 for single and \$10 for family dwelling units.

STUDENT AID

Student Aid at Marshall College is designed to assist worthy and needy students to get an education. It does at the same time, as far as possible, provide exploratory and vocational experiences and develop an attitude of responsibility toward debt.

Student Aid is classified under three headings: (1) Part-time jobs; (2) Loans; (3) Scholarships. It is not interpreted to include the placement of graduates or former students, but only those students now enrolled in college who need assistance to complete their education.

All student aid is coordinated and administered by an Executive Committee composed of the Registrar, chairman, and the Dean of Men and the Dean of Women, in cooperation with a Faculty Advisory Committee. It is the responsibility of the Faculty Advisory Committee to study and formulate policies or rules that seem necessary for the best interests of students or student loan funds.

Student Employment

An employment service is conducted by the offices of the Dean of Men and Dean of Women to advise and aid worthy students who desire part-time employment while in college. A guarantee of work cannot be made, although every effort is exerted to place students on the campus or in the city.

In order to facilitate the service of these offices, administrative, faculty, and service personnel as well as off-campus employers are asked to make requests for student help through these channels. Students who obtain employment through their own efforts are required to report such employment to the respective deans.

Students are advised not to attempt entire self-support. Freshmen are urged to delay part-time employment until the second semester if at all possible.

Student Loans

Application for student loans may be made to any member of the Student Aid Executive Committee. Consideration will be given each applicant according to college rules and specifications of the donor of the grant. Because of the limited amount of funds, loans must be made on a short-term basis and evidenced by a promissory note. A service charge of 25c will be made. Borrowers will be required to provide a co-signer and provide specific letters of recommendation.

The following loan funds have been established and are available for 1948-1949.

The Julius Broh Memorial Scholarship. This fund provides five hundred dollars annually for the assistance of worthy, needy students of journalism. It is not a loan but a grant in pursuance of the wishes of the late Julius Broh as indicated by his initiation of this philanthropy in 1935. This living memorial, perpetuating the memory of Julius Broh, has been established by his loved ones. The scholarship is to be administered by a journalism committee headed by Professor W. Page Pitt.

Women's Club Loan Scholarship. This scholarship of \$150 is to be awarded to a student who could not otherwise attend school. Administered by Miss Lucy Prichard.

Huntington Branch, American Association of University Women Loan Scholarship, total amount of \$1,000, is awarded to girls who cannot otherwise attend college. Administered by Miss Lucy Prichard.

Class of 1889 Fund. The class of 1889 is permitting its class fund of \$225 to be used for student loans until it may be increased materially, at which time a more permanent disposition of the fund may be decided upon.

The Mr. and Mrs. James W. Burgess Loan Fund. This fund, established in 1928 by Miss Frances Burgess as a memorial to her parents, is a fund of \$1,000 to be held in trust for worthy and promising students of junior and senior standing who need temporary financial aid. The fund is to be loaned with interest.

Square No. 52 Scholarship Loan. A scholarship loan of \$50 is to be awarded by Marshall Square No. 52 of Square and Compass Fraternity

to a young man of promise and ability, preferably a senior. This loan is designed to mature on the January first following the borrower's graduation or withdrawal from Marshall College. Interest at four per cent per annum begins to accrue on the first day of the month following the time of graduation or withdrawal from college. Administered by the Student Aid Committee.

Class of January 1943, fund. This fund is available to second semester seniors, to assist in meeting emergency graduation expenses. Administered by Student Aid Committee.

West Virginia Bandmasters Association Scholarship. Funds are available from a scholarship established by the West Virginia Bandmasters Association to a limited number of instrumentalists who have a superior rating for performance on band and orchestra instruments. Tuition scholarships are continued only to those who make an average of C or better.

The Community Players Scholarship. The Community Players of Huntington annually award a tuition scholarship to a student majoring in speech and dramatics.

The Lucille Druen Memorial. In honor of their classmate, Lucille Druen, the members of the Home Economics Club of Marshall College of the year 1926 raised a fund of \$725. This money is to be loaned to worthy students at three per cent interest. The income is to be used as a gift scholarship to stimulate the interest of high school students in West Virginia in home economics. Administered by the Student Aid Committee.

The Marshall College Pan-Hellenic Loan. This loan fund of \$450, made available to students requiring an emergency loan, by the Pan-Hellenic Council of 1943-44, is administered by the Student Aid Committee.

Journalism Scholarships. A number of scholarships are available to students above the rank of freshmen in the Journalism Department. Administered by the Journalism Scholarship Committee.

The D. B. Smith Memorial. In honor of her husband, Senator D. B. Smith, a loyal and devoted friend of Marshall College, Mrs. Smith on July 23, 1925, turned over to the College the sum of \$1,000 as a memorial fund. This money is to be invested in perpetuity and the income used in assisting worthy students. Administered by Student Aid Committee.

The Paul Morgan Fund. In memory of their son, John Paul Morgan, a student in the pre-medical department of the College, Mr. and Mrs. W. S. Morgan, of Mason County, have given the College \$1,000 as a scholarship fund, the income from which is to be awarded annually to some worthy student preparing for the medical profession. Administered by Student Aid Committee.

The Mrs. James Lewis Caldwell Fund. As a memorial to her mother, Mrs. Mary O'Bannon Smith Caldwell, Mrs. Charles Wellington Watts established in June, 1928, a fund of \$400 annually to 1934. This will be used for student loans until it may have materially increased, at which time a more permanent disposition of a portion of it may be decided upon. In the awarding of the loans, preference will be given to junior and senior students who have established high scholastic records. Administered by Student Aid Committee.

The Moina Martha Prator Fund. Dr. Moina Prator, Professor of Geography, who died in July, 1930, provided a bequest of \$1,000 which is held in trust and the proceeds of which are available to worthy girls who require assistance in obtaining a college education. Administered by Student Aid Committee.

Kappa Delta Pi, Phi Chapter. A small loan fund is administered for the benefit of worthy students of Teachers College whose scholastic average for two years is B or better.

John P. Lipscomb, Jr., Memorial Fund. In memory of Captain John P. Lipscomb, Jr., a graduate of the class of 1941, the sum of \$500 was made available on November 3, 1944, to assist worthy students and veterans of World War II, Captain Lipscomb, an army pilot, was killed in action in France on July 31, 1943.

The Kappa Theta Sorority Loan Fund. A small sum of money has been made available by the alumnae of Kappa Theta Sorority to students who are in need of money to help them over financial emergencies. Administered by the Student Aid Committee.

Ruth Stark Hunter Memorial Fund. This loan fund of \$200 has been made available by the Delta Sigma Epsilon Sorority, Lambda Chapter, in memory of one of their members, Ruth Stark Hunter, Lieutenant, jg., U. S. N. (W. R.), who was killed in the service of her country during World War II. Administered by Student Aid Committee.

Rotary Student Loan Fund. The Rotary Club of Huntington, West Virginia, has established a Student Loan Fund which permits an eligible student to borrow a maximum amount of \$150.00 in any one school year. An applicant for a loan must submit satisfactory evidence of the following qualifications: He must be a bona fide resident of the City of Huntington, W. Va., and a student in good standing in Marshall College. He must be physically and mentally capable of completing his proposed course of study and reliable as to character and moral responsibility. He shall sign the prescribed promissory note for the loan. For further details consult the Registrar and Director of Admissions.

HEALTH SERVICE

Health service is organized to provide medical service to students of the college, as well as to supervise health conditions on the campus.

A student clinic is maintained in which are located the offices of the physician and nurse. The College Physician is available only for such services as may be rendered at the clinic, except in emergency cases. Students who wish to avail themselves of the health service are expected to call at the office of the physician in the clinic. The nurse is available at the clinic or at the infirmary in Laidley Hall.

Medical Examination

Students entering Marshall **must** take a medical examination given by the College Physician. It may be taken immediately before or after registration. Applicants for admission must have been successfully vaccinated against smallpox.

STUDENT HOSPITAL SERVICE

Each full-time student of Marshall College shall have added to his regular semester fees a hospital fee of seventy-five cents (\$0.75) per semester, for which he shall be furnished hospital care as hereinafter provided in any one of the following hospitals: St. Mary's, Huntington Memorial or Huntington Orthopedic, as ordered by the College Physician or by his attending physician. Each full-time student registering in the Summer School shall have added to his regular term fee a hospital fee of fifty cents (\$.50) per term, for which he shall be furnished such hospital care. (Note: A full-time student is one carrying not less than twelve hours in either semester, or less than four hours in each term of Summer School.)

(1) For this fee the Huntington Hospital Service, Inc., contracts with the West Virginia Board of Control to give the following service in any of the above-mentioned hospitals: Accommodation in a ward bed, or should the student so desire, a credit of \$3.50 towards the cost of more expensive accommodation, and, in addition to either of the above items, general nursing care, use of the operating room, use of emergency room, material and equipment for anesthetics, three X-ray examinations to each injury, ailment or illness, routine laboratory and pathological services ordered by the attending physician during hospitalization, routine medications and surgical dressings, plaster casts, oxygen, and all other routine hospital service.

Hospital service shall not include the following: Vaccines, serums, X-ray therapy, artificial eyes, orthopedic appliances, crutches, diagnostic dental X-ray, the services of any physician, surgeon or consulting physician or surgeon, special nurses or their board.

(2) It is agreed that should a student remain in a hospital after being discharged as a hospital patient by the attending physician, such student shall be responsible to the hospital for the payment of its regular charges for hospitalization after the date of such discharge, and HUNTINGTON HOSPITAL SERVICE, INC., shall not be liable therefor. This, however, shall not prevent the student from again entering

a hospital for the remainder of the twenty-one-day period hereinafter set forth.

(3) Hospital care shall not be furnished in the following cases: Injuries resulting from brawls, acts in violation of any law, or laws of the State of West Virginia or the United States of America, strikes, riots, or insurrection, willfully self-inflicted injuries, venereal diseases, insanity, drug addiction, alcoholism, quarantinable diseases, pulmonary tuberculosis, and/or illness resulting from any of the above.

(4) Each student shall be entitled to the aggregate number of twenty-one days hospitalization for the semester or term for which the said sum of seventy-five cents (\$0.75) is paid, although the twenty-one-day period may be in sequence or at various periods of time, provided, however, and only when, the hospitalization is recommended by physician or surgeon attending the student.

(5) This hospital service shall be available to students from twelve o'clock noon of the first day of the semester or term on which scheduled classes are held regularly and shall be available as hereinbefore specified until twelve o'clock noon of the last day of the semester on which regularly scheduled classes are held.

NOTE: This contract does not apply to part-time students, nor to students who have withdrawn from attendance at Marshall College nor who have been dropped from the college register, for in such events the obligation on the part of the Huntington Hospital Service, Inc., is cancelled and the student fee is forfeited.

As a part of the health program, the spacious grounds surrounding the Gymnasium are used for outdoor physical education classes, outdoor intramural sports, football practice, etc.

SHAWKEY UNION

Leisure time activities constitute an important part of student life, and make a vital contribution to general education. The Shawkey Union, devoted wholly to social life, provides a recreational center for all students. For the convenience of students, a good soda fountain is operated, and other light refreshments are served here. Many formal and informal dances, receptions, and teas are held in the Union—the social center of the college.

THE GREENHOUSE

This recreation center is open for week-end and evening activities. A hostess is in charge.

THE PSYCHOLOGICAL CLINIC

The Psychological Clinic is open to students for consultation and examination as to intellectual capacity, special abilities, vocational guidance, personality adjustment, speech disorders, reading disabilities, study habits, and other problems of the individual student. Students should avail themselves of this opportunity to adjust their problems early in their course. All interviews and information are strictly confidential. For further information, see the Director of Psychological Clinic, Room 115, Main Building.

STUDENT GOVERNMENT

In a large measure the students of Marshall College govern themselves. To maintain traditions and to provide the machinery necessary for handling the business and social affairs of the student body, a system of student government was set up in 1926. From year to year the organization has been perfected in its functions until now it exercises a large degree of control over student affairs. The Council affords students an excellent opportunity to learn and to understand democratic procedure.

STUDENT ORGANIZATIONS

Outside of daily class work a number of scholastic, professional, and social organizations and fraternities offer opportunities in preparation for citizenship following college graduation. It should be remembered that a complete education in college is not secured in books alone. Studies are only a part of the life on the campus, and, though they are by far the most important, they should not crowd out entirely other activities.

DEPARTMENTAL

GENERAL. Alpha Psi Omega, Chamber of Commerce, Classical Association, Fourth Estate, German Club, Home Economics Club, International Relations Club, Le Cercle Francais, Men's Physical Education Association, Pre-Law Fraternity, Psi Society, Marshall College Junior Chapter of W. Va. Professional Engineers, Women's Athletic Association, Varsity M.

DORMITORIES. Allen Court Dorm., Allen Court Apts., College Hall, Donald Court, Green Village, Hodges Hall, Laidley Hall.

RELIGIOUS. Student Christian Association, Newman Club, Wesley Fellowship, (temporarily inactive).

HONOR. Chi Beta Phi, D-Rho-D-Theta, Kappa Delta Pi, Omicron Delta Kappa, Scholaris. Kappa Omicron Phi.

NON-GREEK SOCIAL. B'nai B'rith Hillel, Disabled American Veterans, McDowell Club, Sportlettes Club, The Independents, Youth Temperance Council.

GREEK SOCIAL. Panhellenic Council, Interfraternity Council.

SORORITIES. Alpha Sigma Alpha, Alpha Sigma Tau, Delta Sigma Epsilon, Gammer Gammer (Mock Social), Phi Epsilon, Pi Kappa Sigma, Sigma Sigma Sigma, Theta Rho.

FRATERNITIES. Alpha Sigma Phi, Alpha Theta Chi, Kappa Alpha, Phi Kappa Nu, Phi Tau Alpha, Lambda Chi Alpha, Tau Epsilon Phi, Tau Kappa Epsilon.

DEPARTMENTAL ACTIVITIES. College Theatre, Chief Justice, Madrigal, Parthenon.

PLACEMENT SERVICE

To assist those employers who have need for the services of college trained men and women, a Placement Service is maintained. The committees consist of the deans of the colleges and faculty members who are especially familiar with the work of the students. The committees will cheerfully arrange for personal conferences between candidates for positions and prospective employers, or supply by mail as complete personal data about candidates as may be required.

SPECIAL CAMPUS ACTIVITIES



ARTISTS SERIES

COMMUNITY FORUM

ASSEMBLY

COLLEGE THEATRE

THE ART MUSEUM

MADRIGAL CLUB

BAND

INTERCOLLEGIATE ATHLETICS

INTRAMURALS

RELIGIOUS LIFE

PUBLICATIONS

SPECIAL CAMPUS ACTIVITIES

ARTISTS SERIES

The Marshall College Artists Series offers students the opportunity of hearing great music by famous artists. During the current season the following attractions were sponsored: Charles L. Wagner's production of "Madame Butterfly"; First Piano Quartet: Morton Gould and his concert orchestra with Mimi Benzel, soprano and Wilber Evans, baritone; Indianapolis Symphony Orchestra with Nicola Moscona, bass of the Metropolitan Opera Association; and Cincinnati Symphony Orchestra with David Smith, pianist. These attractions are all presented in the Keith Albee Theatre.

COMMUNITY FORUM

Evening lectures by nationally known authorities are presented on the Marshall College Community Forum. The program this year included the following speakers: Commander Irving Johnson, travelogue "Sailing to See"; Labor Management debate by Whiting Williams and William Collins; Sir Gerald Campbell, British Minister in Washington, 1941-1946; Dr. Bernard Bell, Canon in the Cathedral of St. Peter and St. Paul, Chicago; Hon. Walter H. Judd, U. S. Congressman; Hon. Thurman Arnold, Federal Judge; Louis Lochner, authority on Germany; Hon. Helen Gahagan Douglas, U. S. Congresswoman from California; Maurice Hindus, author of many significant books on the Soviet Union; Karl Robinson, documentary film on China; George Freedley, drama critic of the New York Morning Telegraph; Francis Line, film story of the migration of sheep through our Western wonderland; Clark Eichelberger, director of the Association for the United Nations conference.

ASSEMBLY SERIES

Special assembly programs are presented on Thursday morning at ten o'clock. These meetings provide both entertainment and education in various fields. Among these on the assembly series this year were: President Smith; Dr. George Buttrick, minister of the Madison Avenue Presbyterian Church of New York City; Mario Braggiotti, pianist; Dr. Edgar DeWitt Jones, former pastor of the Woodward Christian Church of Detroit; Lucielle Browning, contralto of the Metropolitan Opera Association; Kumar Goshal, authority on India; Dudley Glass, Australian pianist and entertainer; Dr. Guy Armitage, English actor; Frank Wennerholm, Danish baritone; Langston Hughes, poet; Louis Mann, University of Chicago; Frances Magnes, violinist; Charles Gilbert, authority on Gilbert and Sullivan Opera.

COLLEGE THEATRE

The College Theatre is an organization of college players closely affiliated with the work of the Speech Department. Three or four plays are produced annually. The plays given during the current year were "Suspect," by Edward Percy and Reginald Denham, "Guest In The House," by Hagar Wilde and Dale Eunson.

ART MUSEUM

The activity of the Art Museum during the 1947-1948 period is represented in the following exhibitions:

Six Interpretations in Bronze; October, 1947
Elements of Design; November, 1947
Fifty Latin American Prints; November-December, 1947
Venice; January, 1948
Paintings, by Alice Kershaw; February, 1948
Age of Enlightenment; March, 1948
Expression in Prints; March-April, 1948
Work by Students in the Art Department; May-June, 1948

MADRIGAL CLUB AND BAND

The Madrigal Club is a popular organization on the campus and is frequently invited to sing on programs not connected with the college.

The band is another popular organization performing on public occasions and especially at football and basketball games. This organization is frequently called upon to render public service in and away from Huntington.

INTERCOLLEGIATE ATHLETICS

Marshall College is a member of the West Virginia Intercollegiate Athletic Conference and maintains an active intercollegiate athletic program. This program includes football, basketball, cross country, baseball, track and tennis. Other sports will be added as facilities are provided.

To be eligible for intercollegiate competition students must meet the following requirements:

1. One year or two full semesters attendance at Marshall College subsequent to attendance in another educational institution. This does not preclude attendance at another educational institution during summer sessions.
2. Those participating in intercollegiate athletics must have passed at least twelve (12) semester hours with an average grade of "C" the preceding semester, or the last semester in attendance at Marshall College.
3. Veterans or GI's who have not participated in intercollegiate athletics since dismissal from the service are eligible for participation upon enrollment as a full time student.

Intercollegiate athletics are supervised by an Athletic Advisory Board which body acts on problems concerning the intercollegiate athletic program and makes recommendations to the President of the College for his approval. Monthly checks are also made by the Athletic Advisory Board so as to advise athletes regarding their academic status.

INTRAMURALS

Intramural athletics at Marshall College is a program of competitive athletics promoted for every student on the campus.

Participation in intramural athletics is absolutely voluntary, but every student should avail himself of the benefits which they offer.

The work for men is sponsored and personally conducted by Associate Professor Gullickson and other members of the Physical Education staff. For the academic year 1948-1949 Marshall College is making preparations for a very comprehensive intramural sports program. A complete list of activities follows: archery, basketball, baseball, six-man football, touch football, golf, handball, horseshoes, pentathlon, ping pong, rifle, rod and reel, softball, soccer, speedball, swimming, tennis, track, field and volley ball, water polo, bicycle relays, marathons, bowling, boxing, cageball, croquet, cross country.

The intramural sports for women are sponsored by the Women's Athletic Association with the following eighteen activities being offered: tennis, badminton, horseshoes, table tennis, handball (both doubles and singles in the preceding activities), hockey, basketball, baseball, aerial darts, volley ball, hiking, swimming, and bowling. Participation is open to any woman on the campus, and in case the individual needs help in some particular activity, instruction is offered before actual competition begins.

The activities offered in the co-recreational program are tennis, badminton, and volley ball. Much interest has been shown in this program.

Increased emphasis is laid upon intramural sports, both indoor and outdoor. That part of the campus devoted to physical education provides excellent facilities for outdoor sports.

INTRAMURAL AWARDS

Plaques are awarded to all championship teams and medals to individual champions for women.

RELIGIOUS LIFE

The religious life of the students is largely entrusted to the many well-organized churches in Huntington. Devotional exercises are held at the assemblies, and other ample opportunities for students are provided in association with the young people's organizations in the churches. The Student Christian Association provides a religious emphasis for campus life. This is an interdominational group and is open to all students.

PUBLICATIONS OF THE COLLEGE

The College issues four bulletins annually, the annual Catalogue in April, the Summer Bulletin with announcements of courses and tentative faculty in February, the Bulletin of Graduate Studies in June, and the Alumni Bulletin in October.

The Parthenon is a weekly news publication of the students, issued under the direction of the department of Journalism.

The Student Directory is published each fall by the Home Economics department of the College.

The Student Handbook is published annually in September by the Student Council and Freshman Orientation Committee for the information of incoming freshmen.

The Chief Justice, the college annual, is published by the senior class.

TEACHERS COLLEGE



PURPOSE

ENTRANCE REQUIREMENTS

DEGREES AND DIPLOMAS

CAMPUS LABORATORY SCHOOL

STUDENT TEACHING

SCHOLASTIC REQUIREMENTS

PLACEMENT SERVICE

NURSERY SCHOOL

HOME MANAGEMENT HOUSE

SINGLE CURRICULUM

ELEMENTARY CURRICULUM

KINDERGARTEN-PRIMARY CURRICULUM

SECONDARY CURRICULUM

COURSES OF INSTRUCTION

THE COLLEGES AND COURSES OF INSTRUCTION



THE TEACHERS COLLEGE

PURPOSE OF THE TEACHERS COLLEGE

Teachers College has for its purpose the education and training of prospective teachers. It recognizes as significant and desirable the general movement toward higher standards for both elementary and secondary teaching service. The college holds a prominent place in assisting young men and women to regard teaching as a profession which commands the respect of the best minds.

Teachers should first be educated men and women. After that they should be professionally equipped. In addition they should have those personal traits of character and those attitudes of mind which are necessary for success in working with children and with the public. The day has passed when a teachers college may be concerned primarily with helping its students to meet requirements for teaching certificates. Vital concern must be exercised in the development of strong personalities as well as academic achievement.

The educated teacher will have command of subject matter and of methods of teaching. He will also have mastery of certain techniques of teaching. He must likewise have command of the English language and of correct oral and written expression. He must be socially desirable as a teacher of children. Social control, emotional poise, professional attitudes are outcomes not of curricular but co-curricular activities. Teachers College recognizes the need for well-developed social programs with clear-cut objectives.

The dominant purpose of Teachers College is expressed by its faculty in a statement of objectives. That purpose, in part, is to certificate:

- (1) Teachers who have sound physical and mental health and who are free from major physical handicaps.
- (2) Teachers who have a broad liberal education functional in character and in terms of their needs as individuals, as citizens, and as members of the teaching profession.
- (3) Teachers who are informed and keenly interested in the history, the achievements, and the cultures of other countries as well as their own.

(4) Teachers for elementary and secondary schools who are thoroughly grounded in the subject-matter of their teaching fields to a breadth and depth surpassing that which is to be taught.

(5) Teachers who have an understanding of pupil growth and development and who, through a knowledge of psychology and physiology, are able to diagnose learning difficulties of the individual pupil and provide proper remedial instruction.

(6) Teachers who have demonstrated proficiency in speaking and writing the English language correctly; teachers who are free from speech defects which will interfere with teaching; and teachers who have attained voice control appropriate to the classroom.

(7) Teachers who are prepared to participate intelligently and cheerfully in the non-instructional functions of the secondary school.

(8) Teachers who possess those superior qualities which are usually found in successful leaders in other fields. Such qualities should include sympathy, tact, enthusiasm, sense of humor, expectancy of good, sociability, energy, friendliness, and reliability.

(9) Teachers who have a strong desire to teach because of their interest in children, their love of learning, their eagerness to follow a worthwhile and respected vocation, and because of their special fitness for teaching.

(10) Teachers who, in consequence of experience such as is implied by the objectives listed above, have formulated for themselves such philosophies of life and education as will function successfully in personal relations and professional activities.

The faculty of Teachers College is vitally interested in helping young men and women to develop into desirable teaching personalities in line with the objectives listed above.

The courses of study required on certificates for elementary and secondary teaching are to be found on the pages following. These requirements are minimums, not maximums. Many students will go beyond the lowest limit of requirements in order to gain assured competence in teaching.

WHAT STUDENTS REGISTER IN TEACHERS COLLEGE

Those students who desire to become teachers and who feel they can attain the standards of academic and professional competency register in Teachers College. Such students pursue one of the curricula under the direction of their academic dean.

Subject matter courses needed by students and not offered by Teachers College will be taken from the schedule of the College of Arts and Sciences. Students in the Arts College will be admitted to courses on the Teachers College schedule, but they will be limited to eight semester hours of education credit.

"Teacher in Service" credit: Six hours is the maximum credit allowed for work done during any school year by a teacher in service, regardless of whether the work is done in extension class or in residence.

ENTRANCE REQUIREMENTS

By regulation of the State Board of Education any graduate of a first-class high school in West Virginia, with credit obtained in any one of the curricula provided for high schools, may enter upon a teacher training curriculum. A student with 15 units of credit obtained in one of the high school curricula may be admitted conditionally, but not more than 32 semester hours of college credit may be taken before the requirements for high school graduation have been met in full. These include a total of 16 units, 3 of which must be in English.

DEGREES AND DIPLOMAS

The Baccalaureate degree is conferred and the diploma awarded to Teachers College students who have completed one of the four-year curricula, and have met all requirements as to honor points and residence. It is expected of students transferring from other colleges that they earn the major amount of credits in Education, including their courses in directed teaching in Teachers College.

The completion of any of the four-year curricula automatically carries with it completion of requirements for the appropriate five-year teacher's certificate.

THE CAMPUS LABORATORY SCHOOL

The campus laboratory school with its complete equipment and refined appointments accommodates pupils of grades kindergarten to twelve, inclusive.

The campus laboratory school offers exceptional advantages for student teaching. The critic teachers, all expert in their work, are ever ready to help the novice grow toward teaching efficiency. In this laboratory school are the elementary grades including a four and five-year kindergarten and a six-year high school accredited by the North Central Association of Colleges and Secondary Schools.

In the laboratory school the prospective teacher spends one or more hours daily for one semester teaching groups of pupils under the direction of experienced supervisors. The purpose of this limited internship for the teacher is to help her apply educational theory in terms of practical classroom situations. When she gains competency in classroom techniques and has fulfilled course requirements, she may be certified as a teacher.

The campus laboratory school offers opportunity for other essential services in relation to the total teacher education program. In fact, it is an integral part of the Teachers College. Members of the

college faculty have responsibilities daily in the laboratory school. Some work with elementary pupils in music and art, others in the Marshall High School in health and physical education, in teaching classes, in observation of teaching, and in studying growth and development of children.

The Marshall College High School has been used as one of the few centers in connection with a government project in inter-cultural relations. It is now carrying on a program of teaching college students how to improve their reading. College students become acquainted with this campus school almost as soon as they enter Marshall. The school may be a laboratory for certain courses in home economics; in psychology; in story telling; in research as well as in the matter of student teaching. Its location is advantageous and its uses are many and varied.

STUDENT TEACHING

Teachers who are certified through Marshall College are expected to do their student teaching and the major amount of their professional work in this institution. If the courses in student teaching are done elsewhere, arrangements must be made in advance for such privilege.

A student must file in the office of the Dean of Teachers College an application for permission to register for each course in student teaching at least nine weeks prior to the time when the work in teaching is to be taken. The scholarship averages required before a student is permitted to register for student teaching are the same as those required for graduation.

SCHOLASTIC REQUIREMENTS FOR GRADUATION

All students must attain a certain scholastic standing as partial requirements for graduation. Students completing the course requirements for the Single Curriculum and the various curricula for high school teachers are required to have at least an average grade of "C" in courses in each of the two teaching fields, for the courses in education, including student teaching, and for other academic work. Students completing the course requirements for the various curricula leading to the elementary certificates must have at least an average grade of "C" for courses in education, including student teaching, and for all other academic courses.

ELECTIVES IN LANGUAGES

The knowledge of a foreign language is usually helpful to students who expect to do graduate study. Students desiring to enroll in courses in foreign languages may do so at any time. At least six semester hours must be completed in order to count toward graduation.

PLACEMENT SERVICE

Teachers College maintains a placement service for its graduating seniors and alumni. Annually many teachers are helped to find desirable teaching positions, and annually many superintendents and principals are aided in filling their vacancies. This placement service is recognized as an institutional privilege as well as a duty. The service is prompt and courteous.

THE NURSERY SCHOOL

A nursery school is located on the college campus to which children two to five years of age may be admitted. This nursery school is modern in every particular in its equipment as well as in the services given to the young children. It is located on the first floor of the home management house and it is the laboratory for Child Development, a required course in vocational home economics.

THE HOME MANAGEMENT HOUSE

A home management house for vocational home economics girls is located on the Marshall campus and affords adequate opportunities for the training of girls in the operation and management of a home. Seniors in home economics live in the home management house eight weeks of their last semester, then go out into the field for student teaching in high schools approved for the purpose.

While living in this house the students do their own purchasing of groceries, cook and serve their own meals, keep their own rooms, budget their expenses, and do all other essential things required in the ordinary home.

THE SINGLE CURRICULUM AND CURRICULUM FOR ELEMENTARY CERTIFICATES*

The public school certificate valid for five years will be issued to prospective teachers who have been graduated in the Single Curriculum from institutions which have participated in the Single Curriculum Study, provided that:

I. They complete the following:

FOUNDATION COURSES	Required Hours
ENGLISH	(18)
Written and Spoken English.....	6
Advanced Written and Spoken English.....	3
Backgrounds of Literature.....	3
Study and Appreciation of English Literature.....	3
Study and Appreciation of American Literature	3

*Taken from the Minutes, State Board of Education, January 6, 7, 8, 1944.

SOCIAL STUDIES	(17-18)
Development of Social Institutions	6
Fundamental Social Problems	6
W. Va. Geography, History, and Government	3
World Geography	2-3
SCIENCE	(16)
Biological Science	6
Physical Science	6
Mathematics	4
PHYSICAL WELL-BEING	(8)
Freshman Orientation	2
Rhythmic Activities	1
Leadership in Recreational Activities	1
Games	1
Individual and Dual Sports	1
Health Education	2
MUSIC	(6)
Music as an Art and a Science	2
Music Highways—or—Music Materials and Pro- cedures	2
Since there is a difference of opinion as to the merits of integrating music methods with sub- ject matter, the State Board of Education ap- proves optional courses until such a time as music faculties can make a further investi- gation of the Sponsoring Committee's recom- mendation.	
Music in Human Relations	2
ART	(6)
Creative Expression in Fine Arts	2
Creative Expression in Applied Arts	2
Art Appreciation	2
PROFESSIONAL SUBJECTS	(20-26)
Human Development and Adjustment	9
Methods (elementary and secondary)	5
Directed Teaching (elementary and secondary)	6
Electives	0-6

- II. They complete a minimum of 24 semester hours in each of two teaching fields with the exception of the social studies, in which they will complete 32 hours and in mathematics, 22 hours.

(Two semester hours may be deducted for each high school unit of mathematics; the maximum reduction is 6 hours.)

- III. They earn as many honor points as semester hours on the total credit earned and earn as many honor points as hours earned in professional subjects, including directed teaching, in each of the teaching fields required for the secondary schools.
- IV. They have had directed teaching experience with children on different levels to insure a beginning competency in all grades from 1 through 12. Such experience in the upper grades will be limited to the fields of specialization selected by the student.
- V. They have demonstrated to the satisfaction of those in authority that they have the ability to teach on both the elementary and secondary school levels and that their character and personality are such that they can be recommended unreservedly for the public school certificate.
- VI. Each semester hour of directed teaching shall require a minimum of 18 clock hours consisting of at least 50 minutes in the classroom. Of the total clock hours submitted for this minimum requirement, the maximum for observation shall not exceed thirty per cent.
- VII. To aid superintendents in making appointments, college directors shall indicate the grades earned in both elementary and secondary directed teaching.

TEACHER EDUCATION CURRICULA

Leading to one of three kinds of certificates at graduation (128 hours); and another certificate, the Third Class Elementary (formerly Standard Normal) at the end of two years (64 hours) of the Single Curriculum.

Single Curriculum		Elementary Curriculum*	
For teaching in elementary grades and in high school		For teaching in the elementary grades only	
	Hrs.		Hrs.
English 103-104	6	English 103-104	6
Social Studies 104-105	6	Social Studies 104-105	6
Science 107-108	6	Science 107-108	6
Science 109-110	6	Science 109-110	6
Art 113	2	Art 113	2
Music 103	2	Music 103	2
Physical Education 113-114	2	Physical Education 113-114	2
Physical Education 221	2	Physical Education 221	2
English 215	3	English 215	3
Social Studies 201-202	6	Social Studies 201-202	6
English 203	3	English 203	3
Education 117-118	6	Education 117-118	6

*Collegiate Elementary Certificate 128 hrs.

TEACHER EDUCATION CURRICULA (Con't.)

Mathematics 100-200	4	Mathematics 100-200	4
Music 270	2	Music 270	2
Art 333	2	Art 333	2
Education 150-250	6	Education 150-250	6
English 308	3	English 324	3
English 324	3	History 311, 312, 313	9
Social Studies 303	3	Political Science 201	3
Geography 317	3	Social Studies 303	3
Art 312	2	Geography 317	3
Music 375	2	Art 312	2
Education 219	3	Music 375	2
Education 450	5	Education (Elective)	2
Physical Education 315-316	2	Education 350-365	4
Physical Education 330-418	2	Education 233	2
Two teaching fields completed (minimum total of 128 hours)		Physical Education 315-316	2
		Economics 340	3
		Sociology 300	3
		Electives to make a four-year total of 128	23

2nd Class Elementary Certificate 96 hrs.

3rd Class Elementary Certificate 64 hrs.

Students desiring to secure a Third Class Elementary Certificate who later expect to apply for a Collegiate Elementary Certificate should elect the Standard Normal Curriculum. By so doing, they may complete the work required for a Collegiate Elementary Certificate in two additional years. The curriculum for the Collegiate Elementary Certificate, the first two years of which constitutes the "normal school curriculum," does not entitle them to a Public School Certificate.

TWO-YEAR, THREE-YEAR, AND FOUR-YEAR CURRICULA FOR ELEMENTARY CERTIFICATES

The objective of these curricula is teaching in the elementary schools. In this respect it differs from the objective of the Single Curriculum which leads to two levels, elementary and secondary. Teachers who have started on this plan should continue it and not shift to the Single Curriculum.

	A. B. Degree and Col- legiate Elemen- tary Sem.Hrs.	96-Hr. Second Class Elemen- tary Sem.Hrs.	Third Class Elemen- tary (Formerly Standard Normal) Sem.Hrs.
English			
Eng. 103-104, First Year Written and Spoken English	6	6	6
Eng. 215, Second Year Written and Spoken English	3	3	3
Eng. 203, Children's Literature (Backgrounds of Literature)	3	3	3
Electives	3		
Eng. 324, Survey of American Literature, or Eng. 308, Survey of English Literature, 3 hrs. Lib. Sci. 301, How to Use a Library, 2 hrs. Literature in 300-400 series, such as Eng. 316, 317, 325, 403			
Minimum hours required	15	12	12

Social Studies

History 311, 312, and 313, American History (1492-present)	9	9	9
Political Science 201, American National Government	3	3	3
Social Studies 303, West Virginia History, Government, and Geography	3	3	3
Economics 340, Principles of Economics	3	3	3
Sociology 300, Outlines of Sociology	3		
Geography, any course	3	3	3

Note: A. B. degree candidates take both Economics 340 and Sociology 300; standard normal and second class elementary certificate candidates may choose one or the other.

Minimum hours required	24	21	21
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Science

Science 107 or 108, Biological Science	3	3	3
Science 109 or 110, General Physical Science	3	3	3
Physical Education 221, Health Education	2	2	2
Mathematics 100, Practical Arithmetic	2	2	2
Electives	3	3	
Science 306, Field Biology, 3 or 4 hrs. Botany 305, Economic Botany, 3 hrs.			
Minimum hours	13	13	10

	A. B. Degree and Col- legiate Elemen- tary Sem.Hrs.	96-Hr. Second Class Elemen- tary Sem.Hrs.	Third Class Elemen- tary (Formerly Standard Normal) Sem.Hrs.
Music			
Music 103, Music as an Art and a Science	2	2	2
Music 270, Public School Music Methods (Grades 1-6)	2	2	2
Music 375, Music and Human Relations	2	2	2
Minimum hours required	6	6	6
Art			
Art 113, Creative Expression in the Fine Arts	2	2	2
Art 312, Art Appreciation	2	2	2
Art 333, Creative Expression in the Applied Arts	2	2	2
Minimum hours required	6	6	4
Physical Education			
Phys. Ed. 113, 114, Freshman Orientation	2	2	2
Phys. Ed.	2	2	2
Minimum hours required	4	4	4
Education			
117-118, Human Adjustment	6	6	6
150, Teaching in the Elementary School	3	3	3
233, West Virginia Elementary School System	2	2	2
250, Supervised Student Teaching (Grades 1-6)	3	3	3
350, Supervised Student Teaching	2		
365, Teaching and Management in the Elemen- tary School	2	2	
Electives	5-9	2-11	2-4
370, Investigations in El. Sch. Sub. 2 hrs.			
405, Educational Sociology 2 hrs.			
415, History of Modern Education 3 hrs.			
435, Tests and Measurements 3 hrs.			
460, Philosophy of Education 3 hrs.			
Minimum hours required	20	15	13
Maximum hours permitted	24	24	15
GENERAL ELECTIVES	37	16	0
TOTAL REQUIRED FOR CERTIFICATE	128	96	73

NOTE: Courses in secondary education cannot count toward graduation in the elementary field.

(At least 45 semester hours of the total required for the A. B. degree and collegiate elementary certificate must be in the 300-400 courses.)

KINDERGARTEN-PRIMARY CURRICULUM

(Approved for Marshall College by the State Board of Education, February 6-7, 1947, and became a part of the college program beginning September, 1947.)

NOTE: At least 45 semester hours of the total required for the Bachelor of Arts degree must be in the 300-400 series.

Students are required (in connection with the courses they are taking) to observe and/or participate a minimum of two hours per week in the Laboratory School each semester beginning with the second of the freshman year.

First Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 103, Written and Spoken	3	English 104, Written and Spoken	3
Physical Education 113, Freshman Orientation	1	Physical Education 114, Freshman Orientation	1
Science 107, General Biology	3	Science 109, General Physical Science	3
Music 103, Music as an Art and a Science	2	Art 113, Creative Expression in the Fine Arts	2
Psychology 201, Elementary Psychology	4	Psychology 216, Child Growth and Development	4
Social Studies 104, Development of Social Institutions	3	Social Studies 105, Development of Social Institutions	3
Orientation 100	$\frac{1}{2}$		
	<hr/> 16 $\frac{1}{2}$		<hr/> 16

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 215, Second Year Written and Spoken	3	Speech 250, Story Telling and Dramatization	3
Social Studies 201, Fundamental Social Problems	3	Social Studies 202, Fundamental Social Problems	3
English 203, Children's Literature	3	Physical Education 221, Health Education	2
Home Economics 340, Nutrition in the Home and School	3	Mathematics 100, Practical Arithmetic	2
Psychology 217, Child Growth and Development	3	Home Economics 303, Child Development	3
Elective	1	Elective	3
	<hr/> 16		<hr/> 16

Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Science 307, Science in the Elementary School	3	English 324, Study and Appreciation of American Literature	3
Physical Education 315, Leadership in Physical Education	1	Physical Education 316, Games	1
Physical Education 319, Laboratory course for 315	1	Physical Education 320, Laboratory course for 316	1
Art 333, Creative Expression in the Applied Arts	2	Music 305, Essentials of Kindergarten-Primary Music	2
Music 375, Music and Human Relations	2	Art 334, Kindergarten-Primary Art	2
Electives	7	Electives	7
	<hr/> 16		<hr/> 16

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 409, Kindergarten-Primary Curriculum and Its Development	4	Education 405, Educational Sociology	2
Education 410, Student Teaching	8	Education 425, Trends in Modern Education	3
Education 367, Organization and Management of the Primary School	4	Electives	11
	<hr/> 16		<hr/> 16

Suggested Electives

- English: English 308, Survey of English Literature
Literature in 300-400 series, such as English 316, 317, 325, 351, 402, 403
Library Science 301, How to Use the Library
- Social Studies: Economics 340, Principles of Economics
- Science: Science 306, Field Biology
Botany 305, Economic Botany
- Education: Education 233, The West Virginia Elementary School System
Education 370, Investigation in Elementary School Subjects
Education 415, History of Modern Education
Education 435, Tests and Measurements
Education 460, Philosophy of Education

GENERAL REQUIREMENTS FOR HIGH SCHOOL TEACHERS

(Leading to the Bachelor of Arts degree and a first class high school certificate in two teaching fields.)

The objective of these curricula is teaching in the secondary schools. In this respect it differs from the objective of the Single Curriculum which leads to teaching on two levels, elementary and secondary. Teachers who have started on this plan should continue it and not shift to the Single Curriculum.

NOTE: Courses in elementary education cannot count toward graduation in the secondary field. Maximum hours permitted in education: 24.

NOTE: At least 45 hours of the 128 required for graduation must be taken in courses of the 300-400 series.

<i>Subject Groups</i>	<i>Hours</i>	<i>Hours</i>	<i>Hours</i>
1. English			12
English 103-104, First Year Written and Spoken			
English		6	
English (literature)		3	
English 215, Second Year Written and Spoken			
English		3	
2. Social Studies			12
History (207, 308, 309, 311, 312, 313, 432)			
Political Science (201, 202, 351, 352)			
Sociology 300			
Economics 340			
Geography (any course)			
(At least one course in each of three subjects must be completed.)			

3. Science* or mathematics (but not both).....	6
4. Education	20
a. Required courses	14
Ed. 301, Educational Psychology	5
Ed. 310, Principles and Management of High School Teaching	4
Ed. 450, Directed Teaching	5
b. Select from following	6 to 10
Ed. 404, Co-Curricular Activities	1, 2 or 3
Ed. 405, Educational Sociology	2
Ed. 415, History of Education	3
Ed. 433, The West Virginia Secondary School System	2
Ed. 435, Tests and Measurements	3
Ed. 445, Teaching Reading in the Secondary School	2
Ed. 460, Philosophy of Education	3
5. Physical Education	3
Phys. Ed. 113, 114, Freshman Orientation	2
Phys. Ed. 311, Physical Education for Secondary Schools, or 330 Rhythmic Activities	1

6. In addition to taking the general requirements, the student preparing for high school service is expected to concentrate in two areas, called teaching fields. These fields are listed below (A to Q) and under each designation the course requirements are indicated.

Note: When any of the general requirements overlap the requirements in the chosen teaching field, the work may be used to meet both requirements.

Note: The Social Studies requirement on the Single Curriculum, 12 hours, is an approved substitute of 12 hours of the courses in social studies listed in 2 above. However the two curricula may not be combined; students must follow one or the other.

A. FOR TEACHERS OF ART

Subject Groups	Hours	Hours	Hours
Art: Minimum requirement for graduation.....			32
1. Freehand Drawing		6	
Art 101-102, Drawing	6		
Art 406, Figure Drawing	3		
2. Design		6	
Art 103, Theory of Color and Design	3		
Art 200, Design	2		
Art, 305, Design	3		
3. Painting and Sculpture		6	
Art 307, Sculpture	3		
Art 350, Water Color Painting	3		
Art 455-456, Oil Painting	6		
4. History and Appreciation		6	

*Laboratory Courses in biology, botany, chemistry, geology, physical science, physics, zoology.

Art 312, Art Appreciation	2
Art, 401, 402, History of Art	4

B. FOR TEACHERS OF BIOLOGICAL SCIENCE

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			32

Biology	24
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1. Required Courses

Science 107-108, Biological Science 6 hrs.

Botany 203, General Botany, or

Botany 209, General Botany 4 hrs.

Science 306, Field Biology 4 hrs.

Zoology 315, Human Anatomy and

Physiology 4 hrs.

2. Suggested electives

Zoology 211, General Zoology, or

Zoology 212, Vertebrate Zoology 4 hrs.

Botany 305, Economic Botany 3 hrs.

Botany 302, Bacteriology 4 hrs.

Zoology 302, Comparative Vertebrate

Anatomy 4 hrs.

Zoology 307, Genetics 4 hrs.

Zoology 401, Laboratory Techniques 2 hrs.

Botany 404, Plant Taxonomy 4 hrs.

Chemistry 201-202	8
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C. FOR TEACHERS OF BIOLOGICAL AND GENERAL SCIENCE

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			39

Biology	21
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1. Required courses

Science 107-108, Biological Science 6 hrs.

Science 306, Field Biology 4 hrs.

Zoology 315, Human Anatomy and

Physiology 4 hrs.

2. Suggested electives

Zoology 211, General Zoology, or

Zoology 212, Vertebrate Zoology 4 hrs.

Botany 203, General Botany, or

Botany 209, General Botany 4 hrs.

Zoology 302, Comparative Vertebrate

Anatomy 4 hrs.

Botany 302, Bacteriology 4 hrs.

Zoology 307, Genetics 4 hrs.

Botany 404, Plant Taxonomy 4 hrs.

Zoology 401, Laboratory Techniques 2 hrs.

Botany 305, Economic Botany 3 hrs.

Chemistry 201-202	8
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Science 109-110, General Physical Science	6
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Geology 225, General Introductory Geology	4
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D. FOR TEACHERS OF BUSINESS ADMINISTRATION—BUSINESS PRINCIPLES*

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			24
Money, Credit and Banking		3	
Economics 308, Money, Credit and Prices	3		
Marketing or Retail Merchandising		3	
Business Administration 340, Principles of Marketing	3		
or Business Administration 343, Principles of Retailing	3		
Typewriting		4	
Business Administration 103, 104, Typewriting	4		
Business Mathematics or Mathematics of Finance		2	
Business Administration 311, Advanced Accounting	3		
or Business Administration 323, Principles of Business Finance	3		
or Business Administration 313, Mathematics of Finance and Statistics	2		
Accounting		6	
Business Administration 215-216, Principles of Accounting	6		
Business Law		3	
Business Administration 307, Principles of Business Law	3		
Consumer Business—Economic Problems		3	
Economics 340, Principles of Economics	3		
or Economics 346, Labor Problems	3		

E. FOR TEACHERS OF BUSINESS ADMINISTRATION—OCCUPATIONAL*

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			27
1. Accounting		6	
Business Administration 215-216, Principles of Accounting	6		
2. Typewriting		4	
Business Administration 103-104, Typewriting	4		
3. Shorthand		8	
Business Administration 201-202, Shorthand-Typewriting	8		
4. Secretarial Training and Office Practice		6	
Business Administration 404, Secretarial Training	3		
Business Administration 405, Office Practice and Management	3		
5. Retail Merchandising, Salesmanship, Advertising		3	
Business Administration 231, Principles of Selling	2		
or Business Administration 330, Advertising	3		
or Business Administration 340, Marketing	3		
or Business Administration 343, Principles of Retailing	3		
or Business Administration 344, Store Management	3		

*It is recommended that business administration majors complete requirements for both Occupational and Business Principles. If the student will do this, the number of hours required for the combination of fields will be 38. It is understood that an additional major other than business administration will also be selected.

F. FOR TEACHERS OF ENGLISH			
Subject Groups	Hours	Hours	Hours
English: Minimum requirement for graduation			32
1. Composition, Oral and Written		12	
Eng. 103-104, First Year Written and Spoken English	6		
Eng. 215, Second Year Written and Spoken English	3		
Eng. 405, Study of the English Language	3		
2. Literature		18	
Eng. 324, Study and Appreciation of American Literature	3		
Survey of English Literature	8		
(Eng. 233, 234, 335, 436)			
Study of Major Author or Authors	2		
Two courses in one type or period, including Eng. 317 or Eng. 351	2		
Eng. 402, World Literature	3		
3. Special Activities		2	
Lib. Sci. 301, How To Use a Library, or Journ. 327 or 328	2		

G. FOR TEACHERS OF FRENCH			
Subject Groups	Hours	Hours	Hours
Minimum requirements for graduation			24
(2 semester hours may be deducted for each high school unit with a maximum deduction of 6 hours)			
French 121-122, First Year French		6	
(Student who enters with 2 units of high school French does not take these courses; with 1 unit of high school French he takes French 122.)			
French 223-224, Intermediate French	6		
French 241-242, Intermediate Oral French	4		
French 315-316, Advanced Composition and Reading	6		
French 327-328, Seventeenth Century Literature	6		
French 355, French Civilization and Culture	3		
French 361-362, Advanced Oral French	4		
French 435-436, Nineteenth Century Literature	6		
French 455-456, Special Topics	4-8		
French 495H-496H, Readings for Honors in French	8		

Note: Spanish and German teaching fields have requirements similar to those for French and Latin.

H. VOCATIONAL HOME ECONOMICS

Approved for Marshall College by the State Board of Education, January 20, 1943, and became a part of the college program beginning in September, 1943.

Note: The chemistry and biology requirement below automatically covers the science item in general requirements for all high school teachers and that portion of a major in science.

HOME ECONOMICS CURRICULUM**First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 103, First Year Written and Spoken	3	English 104, First Year Written and Spoken	3
Science 107, General Biology	3	Science 108, General Biology	3
Physical Ed. 113, General	1	Physical Ed. 114, General	1
Chemistry 201, General	4	Chemistry 202, General	4
Home Ec. 104, Applied Art	3	Home Ec. 227, Clothing Construction	3
Home Ec. 127, Textiles and Clothing	2	Home Ec. 205, Elementary Nutrition	2
	<hr/> 16		<hr/> 16

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 215, Second Year Written and Spoken	3	English 308 or 324, Eng. or Am. Lit.	3
Sociology 300, Outlines of	3	Sociology 308, The Family	3
History 207, West Virginia History	3	Home Ec. 203, Food Selection and Prep.	3
Home Ec. 202, Food Selection and Prep.	3	Botany 302, Bacteriology	4
Home Ec. 329, Adv. Clothing Construction	3	Phy. Ed. 311 or 330, P. E. for Secondary Schools or Rhythmic Activities	1
Electives	2	Electives	2
	<hr/> 17		<hr/> 16

Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Education 301, Educational Psychology	5	Education 310, Prin. and Mgt. H. S. Tch.	4
Home Ec. 354, Home Decoration	3	Home Ec. 303, Child Development	3
Home Ec. 351, Home Architecture	2	Home Ec. 301, Dietetics	4
Homemaking Ed. 305, Introductory Homemaking Ed.	2	Home Ec. 350, Home Nursing	3
Electives	5	Biology	2
	<hr/> 17		<hr/> 16

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Economics 340, Principles of	3	Homemaking Ed. 406, Adult Education	3
Homemaking Ed. 306, Meth. Tch. Homemaking Ed.	2	Home Ec. 426, Home Mgt. House Residence	3
Home Ec. 358, Economics of the Household	2	Homemaking Ed. 450, Student Teaching Ed.	8
Home Ec. 420, Mechanics of the Household	3		
Electives	6		
	<hr/> 16		<hr/> 14

Suggested Electives

Mathematics 100 or 200, Practical Arithmetic	2 hrs.
Home Economics 125, Clothing: Introductory Clothing	2 hrs.
Home Economics 300, Experimental Cookery	3 hrs.
Art 333, Creative Expression in the Applied Arts	2 hrs.
Botany 305, Economic Botany	3 hrs.
Home Economics 405, Quantity Cookery	3 hrs.
Home Economics 407, Institutional Management	3 hrs.

I. FOR TEACHERS OF LATIN

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			24
(2 semester hours may be deducted for each high school unit with a maximum deduction of 6 hours.)			
Latin 111-112, Beginning Course		6	
(For students with no high school credit in Latin.)			
Latin 115, Caesar: Gallic Wars		3	
(For students with one unit high school Latin)			
Latin 203, Cicero: Selected Orations		3	
Latin 204, Cicero: De Amicitia, De Senectute		3	
Latin 214-215, Vergil's Aenid		6	
Latin 306, Selections from Horace		3	
Latin 307, Cicero: Selections from His Letters		3	
Latin 309, Livy: Selections from His History		3	
Latin 312, Tacitus: Annals		3	
Latin 327, Advanced Prose Composition		3	
Latin 403, The Roman Stage		3	

J. FOR TEACHERS OF MATHEMATICS

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			22 ¹
Mathematics 120, Algebra		3 ²	
Mathematics 121, Solid Geometry		3 ²	
Mathematics 122, Plane Trigonometry		3	
Mathematics 223, College Algebra		3	
Mathematics 224, Analytic Geometry		4	
Mathematics 230, College Geometry		3	
Mathematics 325-326, Differential and Integral Calculus		8	
Mathematics 331-332, Theory of Equations		6	
Mathematics 435, Differential Equations		3	
Other Mathematics in 400 series			

K. FOR TEACHERS OF MUSIC AND A SECOND SELECTED FIELD

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			32
1. Theory		6	
Music 115, Sight Singing	3		
Music 116, Ear Training	3		
Music 120-121, Harmony	4		

¹2 semester hours may be deducted for each high school unit with a maximum deduction of 6 hours.

²Only for students entering with less than 1½ units high school algebra.

³Only for students entering without high school solid geometry.

2. Applied Music	9
Music 280-281, 403, Piano Training	6
Music 312-313, Voice Training	4
Music 262, 462, Band and Orchestral Instruments	4
3. Appreciation	3
Music 222-223, History and Appreciation of Music	6
4. Conducting	6
Music 207, 407, Ensemble Singing, or	
Music 265, 266, 466, 465, Band	4
Music 490, Conducting	2
Music 208, 408, Ensemble Playing	2

L. CURRICULUM FOR SPECIAL TEACHERS AND SUPERVISORS OF MUSIC

Freshman Year

Music 115, 116	Sight-singing and Ear Training	6 hrs.
Music 120, 121	Harmony	4 hrs.
Music 151, 152	Voice	2 hrs.
Music 191, 192	Piano	2 hrs.
Music 262,*	Band and Orchestral Instruments	2 hrs.
Music 265, 266**	Marching Band and Concert Band	4 hrs.
Music 207,**	Ensemble Singing (Madrigal or Treble Clef Club)	2 hrs.
Music 208,**	Orchestra	2 hrs.
English 103, 104		6 hrs.
Science or Mathematics		6 hrs.
Physical Education 113, 114		2 hrs.
Speech 102		3 hrs.

Sophomore Year

Music 200, 201	Advanced Sight-singing and Ear-training	6 hrs.
Music 210, 211	Advanced Harmony	4 hrs.
Music 222, 223	History and Appreciation of Music	6 hrs.
Music 251, 252	Voice	2 hrs.
Music 291, 292	Piano	2 hrs.
Music 262,*	Band and Orchestral Instruments	2 hrs.
Music 265, 266**	Marching Band and Concert Band	4 hrs.
Music 207,**	Ensemble Singing	2 hrs.
Music 208,**	Orchestra	2 hrs.
English 215 and 308 or 324		6 hrs.
Social Studies		6 hrs.
Physical Education 311 or 330		1 hr.

Junior Year

Music 280, 281	Class Piano	4 hrs.
Music 301, 302	Harmonic and Form Analysis	2 hrs.
Music 312, 313	Class Voice	4 hrs.
Music 338,	Materials and Methods Grade 1 to 6 inclusive	3 hrs.
Music 351, 352	Voice	2 hrs.
Music 391, 392	Piano	2 hrs.
Music 371,	Instrumental Materials and Methods Grades 4-12	3 hrs.
Music 462,*	Band and Orchestral Instruments	2 hrs.
Music 465, 466**	Band	4 hrs.

*May be repeated in any semester to total five hours.

**These courses must be taken to a total of ten hours along with Music 490 (2 hrs.) to make a total of 12 hours in the field of Conducting. Students following this curriculum are expected to audit group activity courses, in addition to the required twelve hours, for experience.

Music 407,**	Ensemble Singing	2 hrs.
Music 408,**	Orchestra	2 hrs.
Social Studies	6 hrs.
Education 301	5 hrs.

Senior Year

Music 316, 317	Keyboard-Harmony	4 hrs.
Music 320,	Orchestration	2 hrs.
Music 340,	Materials and Methods in Jr. and Sr. H. S.	2 hrs.
Music 403,	Class Piano	2 hrs.
Music 451, 452	Voice	2 hrs.
Music 491, 492	Piano	2 hrs.
Music 480,	Seminar in Music Supervision	2 hrs.
Music 490,	Conducting	2 hrs.
Music 462,*	Band and Orchestra Instruments	2 hrs.
Music 465, 466**	Band	4 hrs.
Music 407,**	Ensemble Singing	2 hrs.
Music 408,**	Orchestra	2 hrs.
Education 350-450	Directed Teaching (Must be taken on both elementary and secondary levels)	5 hrs.
Education (electives)	One-half on elementary and one-half on secondary levels	7 hrs.
Note: Music 338, 340 or 371 may count as an Education course		3 hrs.

Summary

English	12 hrs.
Science or Mathematics	6 hrs.
Social Studies (selected from three fields)	12 hrs.
Physical Education	3 hrs.
Education	20 hrs. 53 hrs.
Music	65-68 hrs.
Non-music electives	8-10 hrs.

M. FOR TEACHERS OF PHYSICAL EDUCATION

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			30
1. Anatomy, Physiology and Kinesiology		4	
Phys. Ed. 440, Physiology of Exercise	3		
Phys. Ed. 321, Kinesiology	3		
2. Health Education and Hygiene		4	
Phys. Ed. 221, Health Education	2		
Phys. Ed. 313, Personal Hygiene	2		
3. Principles, Organization and Administration of Health and Physical Education		2	
Phys. Ed. 410, Organization and Administration	2		
4. Physical Inspection and Correction of Remedial Defects		1	
Phys. Ed. 322, Individual Gymnastics	3		
Phys. Ed. 310, Postural Gymnastics	1		

*May be repeated in any semester to total five hours.

**These courses must be taken to a total of ten hours along with Music 490 (2 hrs.) to make a total of 12 hours in the field of Conducting. Students following this curriculum are expected to audit group activity courses, in addition to the required twelve hours, for experience.

5. Theory and Practice of Physical Education.
Differentiated courses for men and women:

	Men	Women
Team Sports	5	3
Phys. Ed. 103, Football	1	
Phys. Ed. 108, Field Ball and Hockey	1	
Phys. Ed. 109, Track	1	½
Phys. Ed. 110, Basketball	1	
Phys. Ed. 111, Baseball	1	½
Phys. Ed. 206, Soccer and Speedball	1	
Phys. Ed. 420, Advanced Practice and Officiating	1	
Phys. Ed. 421, Advanced Practice and Officiating	1	
Recreational Activities	3	3
Phys. Ed. 205, 403, Aquatic Sports	1	
Phys. Ed. 207, Archery and Tennis	1	
Phys. Ed. 306, Tumbling	1	
School and Community Activities	4	4
Phys. Ed. 316, Games	1	
Phys. Ed. 222, First Aid	2	
Phys. Ed. 307, Scouting	1	
Phys. Ed. 308, Camping and Hiking	1	
Phys. Ed. 450, Playground and Community Recreation	2	
Rhythms	1	3
Phys. Ed. 104, Marching and Calisthenics	1	
Phys. Ed. 304, Creative Dancing	1	
Phys. Ed. 305, Advanced Dancing	1	
Phys. Ed. 405, Folk Dancing and Clogging	1	

The Department recommends not less than 36 hours for graduation.

N. FOR TEACHERS OF PHYSICAL SCIENCE

Subject Groups	Hours	Hours	Hours
Minimum requirements for graduation			24
Chemistry		16	
Chemistry 201-202 (Advanced General Chemistry)	8		
Chemistry 203, Qualitative Analysis	4		
Chemistry 204, Quantitative Analysis	4		
Chemistry 301-302, Organic Chemistry	8		
Chemistry 305, Physiological Chemistry	3		
Physics		8	
Physics 201, 202, 203, 204, General Physics	8		
Physics 205, Electronic Physics	3		
Physics 206, Electronic Laboratory	2		
Physics 300, Electricity and Magnetism	3		
Physics 301, Electrical Measurements	2		
Physics 302, Electricity and Magnetism	3		
Physics 303, Electrical Measurements	2		
Physics 304, Light	3		
Physics 305, Light Laboratory	2		
Physics 306, Elements of Mechanics	3		
Physics 307, Mechanics Laboratory	2		
Physics 308, Heat	3		
Physics 309, Heat Measurements	2		
Physics 311, Sound	3		

O. FOR TEACHERS OF PHYSICAL AND GENERAL SCIENCE

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			35
Chemistry		16	
Chemistry 201-202, Advanced General Chemistry (Inorganic)	8		
Chemistry 203, Qualitative Analysis	4		
Chemistry 204, Quantitative Analysis	4		
Chemistry 301-302, Organic Chemistry	8		
Chemistry 305, Physiological Chemistry	3		
Physics		8	
Physics 201, 202, 203, 204, General Physics	8		
Physics 205, Electronic	3		
Physics 206, Electronic Lab.	2		
Physics 300, 302, Electricity and Magnetism	6		
Physics 301, 303, Electrical Measurements	4		
Physics 304, Light	3		
Physics 305, Light Laboratory	2		
Physics 306, Elements of Mechanics	3		
Physics 307, Mechanics Laboratory	2		
Physics 308, Heat	3		
Physics 309, Heat Measurements	2		
Physics 311, Sound	3		
Geology		3	
Biology		8	

P. FOR TEACHERS OF SOCIAL STUDIES

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			32
History		18	
History 207, West Virginia History	3		
History 221-222, Modern Europe (1492-Present)	6		
History 311-312, 313, American History (1492-Present)	9		
Government		3	
Political Science 201, American National Government (required)	3		
Political Science 202, State and Local Government	3		
Political Science 351, Modern Governments	3		
Economics		3	
Economics 340, Principles of Economics	3		
Sociology		3	
Sociology 300, Outlines of Sociology	3		
Sociology 308, The Family	3		
Sociology 311, Problems of Poverty	3		
Geography, any course or courses		3	

NOTE: Students combining social studies and English as teaching fields should add another teaching field.

Q. FOR TEACHERS OF SPEECH

Subject Groups	Hours	Hours	Hours
Minimum requirement for graduation			27
Speech 101, Practical Public Speaking	2		
Speech 102, Practical Public Speaking	2		
Speech 205, Argumentation and Debate	3		

Speech 209, Acting	2
Speech 210, Acting	2
Speech 240, Voice Training	3
Speech 312, Play Production	2
Speech 313, Play Production	2
Speech 320, Oral Interpretation of Literature	3
Speech 403, Play Direction	3
Speech 418, Speech Correction	3

COURSES OF INSTRUCTION**ART**

Professor Jablonski
Assistant Professor Skidmore

NOTE: A laboratory fee of \$2.00 will be charged for the following Art courses: 200, 201, 305, 306, 307, and \$3.00 for Art 333.

101. Drawing. Three hours.

Freehand drawing in different modes from plaster casts, from the human figure, and from landscape scenes.

102. Drawing. Three hours.

Continuation of practice in freehand drawing, and study of perspective projection.

Prerequisite: Art 101.

103. Principles of Drawing and Painting, and Theory of Design. Three hours.

This course aims to convey an understanding of the principles of drawing and painting. The general theory of design is also considered. Exercises in drawing and painting and projects in surface decoration supplement the lectures in the course.

113. Creative Expression in the Fine Arts. Two hours.

Experiencing the possibilities of creative expression by means of such materials as pencils, ink, charcoal, crayons, pigments, and modeling clay.

200. Design. Two hours.

Practice in designing and constructing objects of use or decoration. Individual projects in clay, wood, metal, and other materials are carried out.

Prerequisite: Art 103.

201. Design. Two hours.

Continuation of Art 200, which is prerequisite.

202. Lettering. Two hours.

Study and practice of freehand lettering with pen and brush.

216. Commercial Art. Three hours.

Problems dealing with the design of advertising: art layouts, book jackets, boxes, packages and merchandise display.

Prerequisite: Art 202.

305. Design. Three hours.

Advanced practice in designing and constructing objects of use or decoration. Individual projects in clay, wood, metal and other materials are carried out.

Prerequisites: Art 103, Art 200.

- 306. Design.** Three hours.
Continuation of Art 305, which is prerequisite.
- 307. Sculpture.** Three hours.
Clay modeling from the posed human figure. Practice in mold making, and casting in clay and plaster of Paris.
- 312. Art Appreciation.** Two hours.
A study of the function of art in our civilization, past and present (Formerly Art 212.)
- 333. Creative Expression in Applied Arts.** Two hours.
Original design projects in materials such as cardboard, clay, leather, linoleum, metal, plaster, and wood are planned and worked out in accordance with sound design principles.
- 334. Kindergarten-Primary Art.** Two hours.
Methods and materials appropriate for children in the kindergarten and primary grades; integration of arts and crafts with social studies, language arts, science, and other fields. Psychology of the child in relation to his expression through art. Demonstrations and observations of teaching procedures to be employed with kindergarten and primary-grade children.
- 338. Materials and Methods.** (Grades 1-6.) Four hours.
Art majors wishing to qualify for teaching art in elementary grades as well as in high school should take Art 338 and 333; 40 semester hours in art are required for teaching on both levels.
Prerequisite: 8 hours of Art.
- 350. Water Color Painting.** Three hours.
Study and practice in water color painting in expressing still life, landscape, and the human figure.
Prerequisite: Art 102, Art 103.
- 401. History of Art.** Two hours.
A general survey of the development of architecture, sculpture, painting, and the minor arts to 1400 A. D.
- 402. History of Art.** Two hours.
A survey of occidental art from 1400 A. D. to the present.
- 406. Figure Drawing.** Three hours.
Practice in drawing from the posed human figure.
Prerequisite: Art 102.
- 455. Oil Painting.** Three hours.
Study and practice of oil painting in expressing still life, landscape and the human figure.
Prerequisite: Art 102, 103.
- 456. Oil Painting.** Three hours.
Continuation of Art 455.

ECONOMICS

(Offered in Teachers College by the Department of Economics of the College of Arts and Sciences)

340. Principles of Economics. Three hours.

An abbreviation of Economics 241-242. Given for Teachers College juniors and seniors who require only three hours in economics.

EDUCATION

Professors Musgrave, Roudebush, Woods
Associate Professors Fitzwater, Foulk, VanderZalm, Wilburn
Assistant Professors Daniels, Leckie, Rider

117. Human Development. Three hours.

A basic course in education on the elementary and Single Curriculum in which the student studies children rather than about children. The focus is upon the child, not upon materials to be learned by him. Field experience as well as class work constitutes a part of the course.

118. Human Development. Three hours.

A continuation of Education 117.

Prerequisite: Education 117.

150. Teaching in the Elementary School. Three hours.

Primary methods as related to fundamental principles of learning. A study of the procedure and techniques to be employed in teaching basic subjects of the elementary school. Emphasis is upon method of procedures for effective direction of economic learning of pupils. Should be taken concurrently with Education 250.

219. Human Adjustment. Three hours.

The third course on the Single Curriculum.

Prerequisites: Education 117, 118, or Psychology 101 or 118 or 305.

233. The West Virginia Elementary School System. Three hours.

A study of the state school system as it applies to finance, school laws, organization, safety education, program of studies, school reports, public relations. Occasionally this course is offered for two hours credit. When this is done the third hour credit cannot later be earned.

250. Supervised Student Teaching (Grades 1-6). Three hours.

Students will teach daily in the Laboratory School under supervision and on different grade levels. Reference readings and conferences.

Prerequisites: 40 hours college credit. Should be taken concurrently with Education 150. (See paragraph on student teaching on page 84.)

260. Off-campus Workshop Course. Three hours.

This course is a workshop course. It will include discussion, demonstration and study in such fields as Language Arts, Reading, Arithmetic, Social Studies, Science, Music, and Art. It is given off-campus only.

301. Educational Psychology. Five hours.

A study of the bases of human behavior and of the learning process. Emphasis is placed upon motivation, emotional control, fatigue in learning, development of personality. Illustrations are drawn from the secondary school.

Prerequisite: Junior standing.

310. Principles and Management of High School Teaching. Four hours.

A study of secondary school activities relative to the best teaching procedures and classroom management. Required for high school teachers.

Prerequisite: 70 hours credit with Education 301 preceding or accompanying.

350. Supervised Student Teaching. Two hours.

A continuation of Education 250; for collegiate elementary certificates. Should be taken concurrently with Education 365. (See paragraph on student teaching on page 84.)

365. Teaching and Management of the Elementary School. Two hours.

A study of organization and management in the elementary school, in relation to the fundamental teaching procedures of school subjects. Provision for individual differences; unit learning; pupil control; safety and health; professional and social relationships.

Prerequisite: Education 150-250. Should be taken concurrently with Education 350.

367. Organization and Management of the Primary School. Four hours.

Techniques of meeting children and parents—a study of the school as a part of the community—grouping, promotion, grading, testing of pupils. Control of pupils (1) routine (2) development of pupil responsibility. Making necessary reports to parents, principals, superintendents. Professional growth of the teacher.

377. Teaching the Language Arts. Three hours.

An elementary course on the various phases of language development and usage. Intended for emergency teachers. Summer only.

404. Co-curricular Activities. Two hours.

An elective course for prospective high school teachers. The student directs an activity in the Laboratory High School.

Prerequisite: Current registration in Education 450.

405. Educational Sociology. Two hours.

What has sociology to offer by way of answer to educational problems? Questions about objectives, curriculum, method, arise for answers in terms of social consideration. Juniors and seniors.

409. Kindergarten-Primary Curriculum and Its Development. Four hours.

Educational needs of Kindergarten-Primary children with reference to the adjustment of learning experiences. A study of the techniques and procedures used in teaching. Contacts with school children by observing demonstrations.

410. Student Teaching. Eight hours.

Supervised student teaching for students on the Kindergarten-Primary Curriculum.

415. History of Modern Education. Three hours.

Historical background of our public school system since the Renaissance. The course follows two main lines—development of educational practice; development of educational theory. Seniors.

425. Trends in Modern Education. Three hours.

A study of educational trends and patterns in a changing world. Changing concepts of the aims and functions of education in our democratic society; relations of youth problems and social-economic factors to the curriculum. Implications of the newer theories and practices in organization, administration, supervision, and evaluation of educational programs.

433. The West Virginia Secondary School System. Two hours.

A study of the state school system as it applies to the organization and program of studies.

435. Tests and Measurements. Three hours.

This is an introductory course in which the history, basic philosophy and elementary statistical devices necessary for evaluating pupil progress are studied. New type tests will be constructed and a study made of standard tests on both elementary and secondary levels. Attention will be given to the use of technique of evaluation for purposes of pupil guidance. Considerable practice will be given in giving, scoring, and interpreting the results of tests on both elementary and secondary levels.

445. Teaching Reading in the Secondary School. Two hours.

A study of the principles underlying the teaching of reading in the junior and senior high school, with emphasis on the diagnosis of difficulties and the subsequent differentiated instruction. One hour per week of conference and two hours per week of observation in the content fields or in classes organized for remedial instruction in addition to reading assignments.

- 450. Supervised Student Teaching in Secondary Schools.** Five hours.
Consideration is given to best methods and educative materials. Daily conferences. Required for high school teachers. Seniors.
Prerequisite: Education 310. (See paragraph on student teaching on page 84.)

- 460. Philosophy of Education.** Two or three hours.
Contemporary educational thinking and practices studied in relation to present day types of philosophy; realism, idealism, pragmatism. Current educational literature examined for evidences of the effect of philosophical points of view. Seniors.

- 465. Audio-Visual Aids in Learning.** Two or three hours.
This course strives to develop an attitude toward and a skill in the preparation and use of audio-visual aids to learning. A study of the use of blackboards, bulletin boards, flash cards, charts, graphs, field trips, models, specimens, maps, film strips, motion pictures, slide films and the operation of the major types of projectors form the major portion of this course. In order to insure a large percentage of practical experience this course will be conducted on the laboratory or workshop basis. Each student will prepare a set of audio-visual aids and references for use in his teaching field.

- 380-480. Community Health Service Workshop.** Two hours for underclassmen and two hours for seniors and graduates.

A workshop course having as principal objectives the study of recent development and trends in health education, such as school-community organization for health education, and health welfare, community resources for health education, functional activities for students in health education; and study and evaluation of health education. It provides opportunity for teachers, administrators, and other school personnel as well as for professional and non-professional people interested in health education, to obtain practical assistance and guidance toward improving health programs.

- 491. Workshop in Supervision.** One to three hours.
A study of practical problems and the principles involved. Open to seniors and graduate students.

- 492. Workshop: Teaching of Reading.** Two or three hours.
The practical course designed to give the teacher an opportunity to discuss and work on her own reading problems. Time spent in the course will be approximately evenly divided as to lecture, demonstration and individual work. The teacher may choose the primary, intermediate or high school field under the leadership of a qualified instructor.

Taught in the summer only.

- 495. Clinical Practice in Reading Instruction.** Two hours.
One hour daily. Conference daily to be arranged. Admission by approval of instructor.
Diagnosis of difficulties, plans for corrective treatment, and actual work with pupils who have difficulties with reading.

ENGLISH

- Professors Howgate, Sechler, Wehler
Associate Professors Baxter, Flower, Pollitt, Stender, White
Assistant Professors Hepburn, Rice
Instructors McCloud, Rowley, Starkey, Topping, Washington
- 103. First Year Written and Spoken English.** Three hours.
Emphasis is placed upon correct speaking and writing, organization and expression of thought.
- 104. First Year Written and Spoken English.** Three hours.
The aim of this course is to insure competency in reading, speaking, and writing for prospective teachers.
- 203. Children's Literature (Backgrounds of Literature).** Three hours.
A study of the various types of poetry and prose appropriate to the elementary grades.
- 210. Biography.** Two hours.
A study of biography and autobiography as literary forms, in relation to the intellectual and cultural backgrounds of the periods studied.
- 215. Second Year Written and Spoken English.** Three hours.
An advanced course in speaking and writing.
Prerequisites: English 103, 104.
- 233. English Prose and Poetry, 1880-1892.** Two hours.
Open only to those students who take English as a teaching subject.
- 234. English Poetry and Prose, 1660-1800.** Two hours.
Open only to those students who take English as a teaching subject.
- 302. Elizabethan Drama.** Three hours.
A study of the plays of Shakespeare's contemporaries and successors to the close of the theatre in 1642.
- 307. Modern Drama.** Three hours.
A study of modern British and American drama.
- 308. Study and Appreciation of English Literature.** Three hours.
A concentrated study of poetry and prose selections from six major authors. Not open to students who have had English 208.

316. **Contemporary Writers, English and American.** Two hours.
For juniors and seniors. A study of the temper and trend of twentieth century writing through representative writers in various literary forms.
317. **The Development of the English Novel.** Three hours.
For juniors and seniors. A history of the English novel, with emphasis upon the literary and social trends of the periods represented and upon the art of the novel as revealed in selected masterpieces.
324. **Study and Appreciation of American Literature.** Three hours.
A concentrated study of poetry and prose selections from seven major authors. Not open to students who have had English 223.
325. **Shakespeare.** Three hours.
An appreciative study of the art and achievement of Shakespeare with emphasis upon his interpretation of human character. Primarily for juniors and seniors.
329. **Modern Novel.** Three hours.
A survey of modern British and American novels.
331. **The Short Story.** Three hours.
A study, chiefly by types, of the world's greatest short stories, with emphasis upon modern American writers.
332. **Tennyson and Browning.** Three hours.
An intensive study of the most important poems of two writers, against the background of the Victorian age. No credit if English 315 has been taken.
335. **Literature of the Renaissance and Reformation.** Two hours.
A survey of English literature from early Renaissance writers to the period of the Restoration.
341. **American Literature to 1870.** Three hours.
A survey of American literature from the beginnings to Poe.
Prerequisite: English 102 or 104. Not open to freshmen.
342. **American Literature from 1870.** Three hours.
Continuation of English 341, from Whitman to present-day writers.
Prerequisite: English 102 or 104. Not open to Freshmen.
351. **Development of the English and American Drama.** Three hours.
A study of the drama from the Elizabethan age to the present, with emphasis upon the drama as a literary form and as a reflection of national culture.
377. **Creative Composition.** Three hours.
An advanced course in composition designed primarily for those having some interest and ability in writing.
Prerequisite: Consent of the instructor.

- 447. Studies in the Romantic Poets.** Three hours.
An intensive study of Wordsworth, Keats, and Shelley. Seniors and graduates only. Offered in alternate years. Given 1947-48. No credit if English 321 or 344 has been taken.
- 455. Literary Criticism.** Three hours.
The principles and history of literary criticism, with some practice in the application of critical judgments.
Prerequisite: Senior standing.
Offered in alternate years.

GEOGRAPHY

Professor Davis

Associate Professor Britton

- 203. General Economic Geography.** Three hours.
A study of world geography with units built around specific products of agriculture, manufacturing and mining as related to soil, climate, geology, and other factors of natural environment.
- 205. Economic Geography of North America.** Three hours.
A study of North America by natural regional divisions with special emphasis on the relationship of man's major economic activities to soil, climate, geology, and other factors of natural environment. Care is taken to bring out the important interrelations of regions.
- 206. Geography of West Virginia.** Two hours.
A study of the transportation, population grouping, mining, industry, and agriculture, as related to the climate, soils, land forms, and other natural environmental items in West Virginia.
- 302. Economic Geography of Europe.** Three hours.
A study of the relationship between the economic activities within each country to the natural environmental factors. Attention is given to the influences of cultural and natural resources of each country upon its neighbors.
- 309. Economic Geography of Latin America.** Three hours.
A study of economic activities within each country or political division, on a regional basis, as influenced by factors of natural environment. Attention is given to inter-regional and inter-country by-play of cultural and economic forces.
- 312. Economic Geography of Asia.** Three hours.
A study of the economic geography of all of the countries of Asia eastward from Anatolia and including major East Indies. Special attention is given to economic activities of India, China, Japan, and Asiatic Russia, showing how these activities are related to soils, minerals, climate, and physiographic features.

- 402. World Literature.** Three hours.
Selections from the literature of great nations, ancient and modern, excluding American and British.
- 403. Lyric Poetry, American and English.** Two hours.
The background and the varying forms of the lyric, with much reading of poetry.
- 405. Study of the English Language.** Three hours.
A study of the growth of the English language and of its present structure and use.
- 407. Anglo-Saxon.** Three hours.
The elements of Old English, with selected readings. Primarily for seniors who intend to do graduate work.
Offered in alternate years. Prerequisite: Senior standing.
- 409. Milton and His Contemporaries.** Three hours.
An intensive study of a selected group of seventeenth century writers, such as Milton, Donne, and Browne, in reference to the intellectual backgrounds of Renaissance and Reformation.
Offered in alternate years. Given 1947-48.
- 410. Intellectual Backgrounds of the Eighteenth Century.** Three hours.
An intensive study of a selected group of writers against the philosophic and artistic backgrounds of the century.
Offered in alternate years. Given 1947-1948.
- 411. Chaucer.** Three hours.
An intensive study of the major work, with some reading in the original language.
Prerequisite: Senior standing.
- 436. Early and Medieval Literature.** Two hours.
A survey of the first ten centuries of English literature to the Renaissance.
- 444. Emerson, Poe, and Whitman.** Three hours.
An intensive study of these three American authors.
Prerequisite: Senior standing.
- 445. Poetry of Robinson and Frost.** Three hours.
A study of two masters of modern American poetry.
Prerequisite: Senior standing.
- 446. Drama of the Restoration and Eighteenth Century.** Three hours.
A survey of British drama from 1660 to 1800 in relation to the changing social patterns of the age.
Prerequisite: Senior standing.
Offered in alternate years.

315. Economic Geography of Africa and Australia. Three hours.

The geography of the low latitude and lower middle latitude regions located in Africa, Australia, New Zealand, the lower East Indies, and the oceanic island groupings in the Indian Ocean and the southern Pacific Ocean. Colonial problems relating to possession of natural resources are stressed, and economic activities in these areas are studied with reference to natural and human relations.

317. World Geographical Problems. Three hours.

World geography with special reference to the development of agricultural and industrial areas in North America, Europe, and Asia; political geography concerning the needs for minerals, the determination of international boundaries, and the grouping of population centers; reasons for the location and operation of trade focal points and routes on and between the continents.

320. Conservation of Natural Resources. Three hours.

A study of the natural resources of the United States with particular emphasis on wise use of our soils, water-power, forests, and minerals. Conservation of the human resources of our country is given constant attention along with the study of each natural resource.

325. Climatology. Two hours.

A review of the climatic factors and a detailed study of the climatic regions of the world, following Koppen's classification. The climatic regions of the United States receive special emphasis. Detailed climatic data studied whenever possible.

401. Historical Geography of the United States. Three hours.

Early settlement along the Atlantic Coast is noted with reference to favorable and unfavorable environmental items. The movement westward through the Allegheny and Cumberland regions is checked for routes and settlement centers. Ohio Valley and Mississippi Valley settlements are studied with special reference to soil distinctions and transportation routes. Scattered population centers are noted west of the Rockies, in the central and western Pacific, and throughout the Caribbean. Agriculture, industry, and commerce are developed up to the present.

405. World Political Geography. Three hours.

Selected countries of the Americas, Europe, and Asia, are studied with reference to the influence of geographic factors on international relations. Present-day empires are contrasted to show the importance of location, mineral wealth, physical barriers, and population grouping. The place of the United States in world affairs is given leading consideration. Seniors and graduates only.

410. Urban Geography. Three hours.

A study of the geography of cities with special attention given to larger urban centers of the United States. Cultural points relating to city grouping, residential and commercial planning with-

in the individual city, transportation network layout, and industrial center planning, are studied in checking the natural-cultural relationships observed in each urban setting. Theory and practice are recognized in a test study made in or near Huntington. Seniors and graduates only.

420. Field Geography of West Virginia. Three hours.

Type areas are studied intensively to know how activities such as lumbering, mining, agriculture, and transportation have made adaptations to these areas. Students registering for this course will spend at least two weeks in the field under the direction of the instructor. Seniors and graduates only.

HISTORY

Professors Heath, Klinger, Toole
Associate Professors Brown, Moffat
Assistant Professor Chapman

105. English History to 1660. Three hours.

From Anglo-Saxon times through the period of Civil Wars between Stuarts and Parliament, and the unfortunate years of Republic, or Commonwealth and Protectorate (Oliver Cromwell). England has developed, the hard way, her legal and political institutions and her nationalism.

History 105 and 106 are a necessity for pre-law students, excellent for those interested in English literature, and good for those caring to understand the forces of modern democracy.

106. English History since 1660. Three hours.

A survey and explanation of the growth of England, from the Restoration of Charles II (1660), into the democracy-parliamentary, industrial, social, and imperial,—of the twentieth century. Its constant relationship with the history of continental Europe is emphasized.

207. History of West Virginia and the Trans-Allegheny Frontier. Three hours.

A complete survey of the Virginia Background and a study of the origins and development of the state and area.

Open to freshmen.

219. Early European History: from Earliest Times to the Fifth Century, A. D. Three hours.

The history of the ancient Mediterranean World;—or the story of the ancient nations, from the rise of old Egypt, Babylonia, and Greece, to the decline and fall of the Roman Empire in the West in the Fifth Century A. D. Especial emphasis is placed upon the historical forces and factors that created those great classic civilizations.

Open to freshmen.

220. European History, 400-1500 A. D. Three hours.

A study of the life, culture, and institutions of Western Europe during the period before 1500 A. D. Open to freshmen.

221. Modern Europe, 1492-1815. Three hours.

A general survey of the period from the revolutions that usher in modern Europe to the revolutions (the French and the Industrial) that form the background of nineteenth century Europe.

Open to second-semester freshmen.

222. Modern Europe since 1815. Three hours.

A survey of nineteenth and twentieth century Europe, emphasizing the influence of the French and the Industrial Revolutions, the growth of democracy, nationalism and imperialism, the causes and results of World Wars I and II.

Open to second-semester freshmen.

301. Hispanic America. Three hours.

A survey of the origins and development of social, economic, educational, religious, and political institutions. Emphasis is placed on the National Period, with special attention given to the relations of the Hispanic American countries with the United States.

308. Social and Economic History of the South. Three hours.

A survey of the historical developments of ideas and institutions peculiar to the South and their influence on the life of the nation.

309. Social and Economic History of the West. Three hours.

A study of the western movement and the influence of the frontier on the development of American institutions.

311. American History, 1492-1789. Three hours.

A study of the background, settlement, and development of the colonies, including a comparative study of colonial institutions. Emphasis is placed on the revolutionary period and the new state and national constitutions.

312. American History, 1789-1865. Three hours.

A study of the early national period, showing the territorial expansion, the institutional development, and the controversies leading to the Civil War.

313. American History since 1865. Three hours.

A study of the social, economic, and political development of the people of the United States from the Civil War to the present.

375. The Far East. Three hours.

A study of the history of China, Japan, and India, with emphasis on their recent development.

376. Russia in the 19th and 20th Centuries. Three hours.

A study of the life and institutions in Russia under the Czars that led to the revolution and the present regime, with emphasis on the recent internal developments and their influences on the modern world.

402. American Diplomacy. Three hours.

A survey of the principles and policies guiding American diplomacy in its various stages of development, the methods used, and the activities and influences of American leaders.

420. Makers of European History. Three hours.

A biographical approach to history. A careful study of a number of men and women who have strongly influenced the history of their ages.

421. The Era of the Renaissance and the Reformation. Three hours.

A study of the social, economic, political, religious, and especially cultural changes in Western Europe during the period 1300-1600 A. D.

Seniors and graduates only.

422. The French Revolution and the Napoleonic Era. Three hours.

A careful study of the causes, progress, and general results of the French Revolution to 1815.

Seniors and graduates only.

425. European History, 1814-1914. Three hours.

A detailed study of selected problems of European History in the nineteenth century.

Seniors and graduates only.

426. European History, 1914 to the Present. Three hours.

A careful study of selected problems of twentieth century Europe. Emphasis on the causes and results of World Wars I and II.

Seniors and graduates only.

432. American History since 1914. Three hours.

A detailed study of America's recent participation in world affairs, and the internal changes and developments since World War I.

HOME ECONOMICS

Associate Professor Rouse

Assistant Professors Gray, Neely, Strouss

Instructor Foose

Note: A laboratory fee of \$1.00 will be charged for the following Home Economics courses: 104, 301, 304, 350, 354, and 420.

A laboratory fee of \$2.00 will be charged for the following courses: 125, 127, 202, 203, 227, 300, 329.

104. Applied Art. Three hours.

An introduction to the fundamentals of design, the appreciation and application of art principles in the selection of textiles and clothing; the etiquette of dress; planning of the clothing budget.

125. Clothing: Introductory Course. Two hours.

This course is designed for students who have had no clothing in high school. It aims to develop standards in the selection, use, and maintenance of the wardrobe. Simple construction.

127. Textiles. Two hours.

Study of the important fibers and materials made from them. Practice in weaving and textile testing.

202. Food Selection and Preparation. Three hours.

Food selection from the standpoint of body requirements, cost, methods of preparation.

203. Food Selection and Preparation. Three hours.

Planning, preparing, and serving meals from the standpoint of various budget levels.

Prerequisite: Home Economics 202.

205. Elementary Nutrition. Two hours.

A course designed to give a working knowledge of the dietary essentials for physical fitness. For home economic majors. Students passing the course are entitled to the standard Red Cross certificate in Nutrition.

227. Clothing Construction. Three hours.

Instruction and practice in planning, designing, buying, cutting, fitting, and finishing of garments made from wash fabrics, woolens, and sport silks.

300. Experimental Cookery. Three hours.

A study of and experience with the factors affecting standard cookery procedures such as effect of temperature, time of cooking, method of manipulation, and proportion of ingredients upon quality of food.

Prerequisites: Home Economics 202, 203.

301. Dietetics. Four hours.

Advanced course in nutrition relating to food, health, and dietary construction.

Prerequisites: Home Economics 202, 203, 205; Chemistry 201, 202.

303. Child Development. Three hours.

A study of the physical and social development of the infant and pre-school child. Two hours actual participation with pre-school children in the Marshall College Nursery School to gain an understanding of children from first-hand contact. Lecture, two hours; laboratory, two hours.

304. Diet and Disease. Three hours.

A study of the relation of diet to disease with emphasis upon prevention as well as dietary treatment.

Prerequisites: Home Economics 202, 203, 301; Chemistry 201 and 202.

329. Advanced Clothing Construction. Three hours.

The application of principles of design and construction in making tailored suits and coats, formals, and make-over problems. Experience in draping various designs is gained.

Prerequisite: Home Economics 227.

340. Nutrition in the Home and School. Three hours.

A course for teachers and any person interested in the home and school. A study of the fundamental principles of human nutrition as it relates to the individual and the family. An intensive study of the school lunch program; demonstrations and discussions of teaching procedures. No prerequisites. For non-majors in home economics.

350. Home Nursing. Three hours. (Formerly a two hour course.)

Prevention and control of diseases; home care of the sick, including prenatal care of the mother, postnatal care and training of the infant.

351. Home Architecture. Two hours.

A nontechnical course in the understanding of the house in terms of better living facilities and elements of construction. Location, materials, floor plans, grounds, heating and lighting.

354. Home Decoration. Three hours.

A study of suitable furnishings of homes of various types. Decorative media as textiles, wall and floor finishes, period furniture and furnishings are studied as they present possibilities for well-designed interior.

358. Economics of the Household. Two hours.

The economic problems of the home; organization of personal and family life; family income; expenditures; savings budgets.

- 400. Consumer Buying.** Three hours. (Formerly a two hour course.)
Opportunities and responsibilities of the consumer; problems in purchasing specific household commodities and the relation of advertising to the buying of these products; legislation in branding and labeling. Discussions and reports on individual buying problems.
- 401. Special Topics.** One to four hours.
Work consists of special problems in the field of dietetics and nutrition. For seniors majoring in dietetics only.
Prerequisite: Permission of instructor.
- 405. Quantity Cookery.** Three hours.
Practice in large-quantity food preparation and serving. Laboratory work in cooperation with school and local hospitals.
- 407. Institutional Management.** Three hours.
A study of the organization and administration problems of food in certain institutions such as the school lunch, residence halls, hospitals, and cafeterias.
- 420. Mechanics of the Household.** Three hours.
A study of household equipment, its selection, care, and use.
- 426. Home Management House Residence.** Three hours.
Residence in the home management house for a period of eight weeks in which students will have an opportunity to gain experience in all phases of managing the home. Required for all Home Economics majors in Teachers College.

HOMEMAKING EDUCATION

- 305. Introductory Homemaking Education.** Two hours.
Philosophy of Homemaking Education; a study of the principles of Vocational Education, to include federally reimbursed and non-reimbursed programs of homemaking with more thorough analysis of the role of the vocational homemaking teacher and learner in secondary schools. A study is made of the physical environment of the Homemaking Department and available teaching aids, including the development of a filing system. Required of majors.
Prerequisite: Junior standing.
- 306. Methods of Teaching Homemaking Education.** Two hours.
An intense study of curriculum planning, methods, and organization in the teaching of homemaking in secondary schools; preparation for student teaching. Required of majors.
Prerequisite: 305, Introductory Homemaking Education.

406. Adult Homemaking Education. Three hours.

Philosophy of adult education; promotion, organization, and methods used with adult groups; techniques of community leadership; observation and participation in actual adult classes. Required of majors.

Prerequisite: Senior standing; 305, Introductory Homemaking Education; and 306, Methods of Teaching Homemaking Education.

450. Student Teaching Education. Eight hours.

Directed student teaching in one of the approved, off-campus, federally reimbursed homemaking centers. The student lives eight weeks in the assigned center, participates in general school activities, and teaches under the direction of the local vocational homemaking teacher. Required of majors.

Prerequisite: Senior standing; 305, Introductory Homemaking Education; and 306, Methods of Teaching Homemaking Education.

JOURNALISM

(Offered in Teachers College by the Department of Journalism of the College of Arts and Sciences)

327. Journalistic English. Two hours.

A study of the methods of teaching and subject matter of courses in high school journalism.

328. High School Newspapers. Two hours.

Designed to train high school teachers in the methods of directing high school papers. A study of editorial, news, feature, advertising, and circulation problems of high school newspapers.

LIBRARY SCIENCE

Instructor Dorsey

301. How To Use a Library. Two hours.

An elective course for both elementary and secondary teachers who wish to improve their working knowledge of a library.

MATHEMATICS

Professor Dandeleit

100. Practical Arithmetic. Two hours.

A required course for all elementary certificates.

200. Practical Arithmetic. Two hours.

NOTE: Additional courses in mathematics are listed in the College of Arts and Sciences.

MUSIC

Professor Mueller

Assistant Professors Gelvin, Lanegger

Instructors Creighton, Fox, Jones, Roe, Workman

- 103. Music as an Art and a Science.** Two hours.
Proper use of singing voice; good taste in interpretation; songs taught by rote used as foundation for further study; reading material of fifth grade difficulty; only such theory as is needed to master the above outline; appreciation through artistic singing and hearing other music.
- 115. Sight Singing and Ear Training.** Three hours.
Rudimentary music in unison, including bass staff. Simple chromatics.
- 116. Sight Singing and Ear Training.** Three hours.
Recognition of simple pitch and rhythm types, major and minor effects, and simple modulations through chromatic usage.
- 118. Applied Music. (Brass and Wood Wind Instruments.)** One hour.
Study of techniques, specialized literature, and embouchures. Not open to beginners.
- 119. Applied Music. (Brass and Wood Wind Instruments.)** One hour.
Continuation of Music 118.
- 120. Harmony.** Two hours.
Study of melodic construction and use of chords including the dominant seventh.
Prerequisite: Music 103 or equivalent.
- 121. Harmony.** Two hours.
Primary and secondary chord usage including modulations.
Prerequisite: Music 120.
- 151. Voice Lessons.** One hour.
Open to all regularly enrolled full-time students with permission of Head of Music Department and Dean.
- 152. Voice Lessons.** One hour.
Continuation of Music 151.
- 191. Piano Lessons.** One hour.
Open to all regularly enrolled full-time students with permission of Head of Music Department and Dean.
- 192. Piano Lessons.** One hour.
Continuation of Music 191.

207. (For Freshmen and Sophomores.)

or

407. (For Juniors and Seniors.) Ensemble Singing. Two hours.

The study of the principles of choral singing based on standard chorus literature.

Prerequisite: An acceptable voice and the ability to sustain a part. Tryout.

208. (Freshmen and Sophomores.)

or

408. (Juniors and Seniors.) Ensemble Playing. Two hours.

The study of orchestra literature.

210. Advanced Harmony. Three hours.

Harmonization of melodies introducing all harmonies, suspensions, passing-tones and chromatic alternations. Keyboard work required.

Prerequisite: Music 121 or equivalent.

211. Advanced Harmony. Three hours.

Modulations. Figured basses and figured chorales. Keyboard work required.

Prerequisite: Music 210 or equivalent.

218. Applied Music. (Brass and Wood Wind Instruments.) One hour.

Same as Music 118, for Sophomores.

219. Applied Music. (Brass and Wood Wind Instruments.) One hour.

Continuation of Music 218.

222. History and Appreciation of Music. Three hours.

From early music to romantic period, including listening to music.

Open to all college students.

223. History and Appreciation of Music. Three hours.

The romantic and modern periods. Conducted in same manner as 222.

251. Voice Lessons. One hour.

Same as Music 151 but for Sophomores.

252. Voice Lessons. One hour.

Continuation of Music 251.

262. (Freshmen and Sophomores.)

or

- 462. (Juniors and Seniors.) Band and Orchestral Instruments.** One hour.
Giving a working knowledge of the instruments of the usual school orchestra. (May be repeated to four hours credit on different instruments.)
Prerequisite: Music 103.
- 265. (Freshmen and Sophomores.)**
or
- 465. (Juniors and Seniors.) Marching Band.** Two hours.
Study of march and concert material. (Meets four days a week.)
Prerequisite: Tryout.
- 266. (Freshmen and Sophomores.)**
or
- 466. (Juniors and Seniors.) Concert Band.** Two hours.
Advanced technique and concert material. (Meets four days a week.)
Prerequisite: Technical proficiency.
- 270. Public School Music Methods (Grades 1-6.)** Two hours.
Methods and materials for teaching music in the elementary grades.
- 280. Piano Training.** Two hours.
Technical and theoretic study for beginners. For music majors only.
Prerequisite: Music 103 or 115.
- 281. Piano Training.** Two hours.
Continuation of Music 280. For music majors only.
Prerequisite: Music 280.
- 291. Piano Lessons.** One hour.
Same as Music 191 but for sophomores.
- 292. Piano Lessons.** One hour.
Continuation of Music 291.
- 301. Analysis.** Two hours.
From the harmonic content.
Prerequisite: Music 121.
- 302. Analysis.** Two hours.
From the formal content.
- 305. Essentials of Kindergarten-Primary Music.** Two hours.
The best music materials and methods for use with kindergarten-primary grade children; songs, rhythms, recorded music, rhythm band instruments, and piano music.

- 312. Voice Training.** Two hours.
Foundation principles of voice usage and taste in singing.
Prerequisite: Music 103.
- 313. Voice Training.** Two hours.
Continuation of Music 312.
Prerequisite: Music 312.
- 316. Elementary Keyboard Harmony.** Two hours.
Harmonization of simple melodies in strict and free style at the piano.
Prerequisite Music 211 and four hours of piano.
- 317. Advanced Keyboard Harmony.** Two hours.
Modulation, motive development, improvisation and transposition.
Prerequisite Music 316.
- 318. Applied Music. (Brass and Wood Wind Instruments.)** One hour.
Same as Music 218 but for Juniors.
- 319. Applied Music. (Brass and Wood Wind Instruments.)** One hour.
Continuation of Music 318.
- 320. Orchestration.** Two hours.
Band and orchestra arranging for school needs.
Prerequisite: Music 211.
- 338. Materials and Methods in Public School Music (Grades 1-6).** Four hours.
Intensive study of materials and methods. Music majors only. Music majors wishing to qualify for teaching music in elementary grades as well as in high school should take Music 338 and 375; 50 semester hours in music are required for teaching on both levels.
Prerequisite: Eight hours of Music.
- 340. Materials and Methods in Junior and Senior High School.** Two hours.
Material, methods and subjects in the junior and senior high schools.
- 351. Voice Lessons.** One hour.
Same as Music 251 but for juniors.
- 352. Voice Lessons.** One hour.
Continuation of Music 351.
- 365. Human Values in Music Appreciation.** Two hours.
A course in listening to music of various kinds with opportunity for discussion of our likes and dislikes. Assigned readings. No music prerequisite. Open to all juniors and seniors.

- 371. Orchestration.** Three hours.
Arranging music for school orchestra; survey of materials and methods for instrumental music in the schools.
Prerequisites: Music 120 and 262.
- 375. Music and Human Relations.** Two hours.
Emphasis is placed upon the development of the appreciation, creative, and rhythmic programs or elementary schools, rural and urban.
Prerequisite: Music 270.
- 391. Piano Lessons.** One hour.
Same as Music 291 but for juniors.
- 392. Piano Lessons.** One hour.
Continuation of Music 391.
- 403. Advanced Piano Training.** Two hours.
Repertoire and interpretation.
Prerequisite: Music 281. For Music majors only.
- 418. Applied Music. (Wood Wind and Brass Instruments.)** One hour.
Same as Music 118 but for seniors.
- 419. Applied Music. (Brass and Wood Wind Instruments.)** One hour.
Continuation of Music 418.
- 451. Voice Lessons.** One hour.
Same as Music 151 but for seniors.
- 452. Voice Lessons.** One hour.
Continuation of Music 451.
- 480. Seminar in Music Supervision.** Three hours.
Objectives, purposes and problems of music supervision on all levels.
- 490. Conducting.** Two hours.
The technique of conducting with application to the artistic values involved.
Prerequisite: Ten hours of music.
- 491. Piano Lessons.** One hour.
Same as Music 191, for seniors.
- 492. Piano Lessons.** One hour.
Continuation of Music 491.

PHYSICAL EDUCATION

Professors Dandeleit, Robinson

Associate Professors Berryman, Fitch, Gullickson, McDonough

103. Football. One hour.

Three periods a week. Theory and technique of football. A course in fundamentals, not credit for playing football. Freshmen majoring in physical education and others who pass tests.

104. Marching and Calisthenics. One hour.

Three periods a week. Theory and practice in teaching. Required of majors in Physical Education and others upon arrangement with instructor. Separate sections for men and women.

108. Field Ball and Hockey. One hour.

Three periods a week. Theory and technique of Field Ball and Field Hockey. Required of women majoring in Physical Education and others upon arrangement with instructor.

109. Track. One hour for men (full semester). One-half hour for women (half semester).

Three periods a week. A course in fundamentals; not credit for participating in track. Required of majors in Physical Education and others upon arrangement with instructor. Separate sections for men and women. Women take this course same semester as Phys. Ed. 111.

110. Basketball. One hour.

Three periods a week. Theory and technique of basketball. A course in fundamentals, not credit for playing basketball. Required of majors in Physical Education and others upon arrangement with instructor. Separate sections for men and women.

111. Baseball. One hour for men (full semester). One-half hour for women (half-semester).

Three periods a week. Theory and technique of baseball. A course in fundamentals, not credit for playing baseball. Required of majors in Physical Education and others upon arrangement with instructor. Separate sections for men and women. Women take this course in same semester as Phys. Ed. 109.

113. Freshman Orientation. One hour.

Three periods a week. Required for non-major freshmen.

Activities for women: Volleyball, conditioning exercises, archery, badminton, etc.; rhythm, swimming and postural work. (Courses Phys. Ed. 104 or Phys. Ed. 108 only may be substituted—women.)

114. Freshman Orientation. One hour.

Continuation of Physical Education 113. Required of non-major freshmen.

Activities for women: Basketball, stunts and tumbling, softball, swimming, postural work. (Phys. Ed. 109, 110, or 111 only may be substituted—women.)

NOTE: sections of Phys. Ed. 113 and 114 are maintained for those who, on college physician's advice, are restricted to certain types of physical activity. Carried on under college physician's supervision to improve general physical condition and to correct physical handicaps as far as possible. Corrective and restricted courses.

205. Intermediate Swimming. One hour.

Two periods a week. Theory of teaching fundamental strokes and diving. Also individual improvement in both. Required of majors in Physical Education and others upon arrangement with instructor. Separate pools for men and women.

206. Soccer and Speedball. One hour.

Two periods a week. Theory and technique of play. A course in fundamentals. Required of majors in Physical Education and others upon arrangement with instructor. Separate sections for men and women.

207. Archery and Tennis. One hour.

Two periods a week. Theory and technique of play. A course in fundamentals. Required of majors in Physical Education and others upon arrangement with instructor. (Separate sections for men and women.)

221. Health Education. Two hours.

A study of health problems as they relate to the classroom, to the individual pupil and to the school community. A Single Curriculum, Kindergarten-Primary and Physical Education major requirement.

222. First Aid. Two hours.

First aid and safety education in the home, in the school, and on the playground. Practical demonstrations, discussions, lectures. Standard and Advanced Red Cross First Aid Certificates will be issued to students successfully completing the course. Required of Physical Education majors and others upon arrangement with instructors.

304. Creative Dancing. One hour.

Two periods a week. Women. Analysis and technique of rhythm of body movement, with emphasis on original development of patterns of movement and natural expression in a variety of exercises. Required of majors in Physical Education and others upon arrangement with instructor.

305. Advanced Dancing. One hour.

Two periods a week. Women. Emphasis on advanced motor controls and growth in imagination and emotional capacity as expressed in advanced creative dance work. Approval of instructor required.

306. Tumbling. One hour.

Two periods a week. Fundamental and practice. Required of majors in Physical Education and others upon arrangement with instructor. Separate sections for men and women.

307. Scouting. One hour.

Two periods a week. Men: organization and administration of Boy Scout troops, badge tests, etc. Women: principles of Girl Scouts and Campfire organization. Required of Physical Education majors and others upon arrangement with instructor.

308. Camping and Hiking. One hour.

Two periods a week. Lecture and lab. Problems in organization, food and shelter. Required of Physical Education majors and others upon arrangement with instructor. (Separate sections for men and women.)

310. Postural Gymnastics. One hour.

Two periods a week. Laboratory work for men and for women in administering remedial exercises. Coordinating with Phys. Ed. 322. Required of Physical Education majors.

311. Physical Education for Secondary Schools. One hour.

Two periods a week. Organization and practice of games especially appropriate for secondary schools. Juniors and seniors preparing to teach in secondary schools, but not majoring in physical education.

313. Personal Hygiene. Two hours.

The study of those phases of hygienic living which should be understood by all college students. Special emphasis placed on the personal aspects of hygiene. Required of Physical Education majors. (Separate sections for men and women.)

315. Leadership in Physical Education. One hour. Staff.

Two hours a week. Emphasis will be placed upon organizing groups for physical activities on the playgrounds, in the gymnasium, in the classroom. Attention will be given to kinds, uses, and care of necessary equipment and to safety measures in teaching or supervising on the playground. Required in last two years of Single Curriculum, and Kindergarten-Primary Curriculum.

316. Games. One hour. Staff.

Two hours a week. In this course students will experience the selection, adaptation and presentation of games on the primary, intermediate, and secondary levels. Required in last two years of Single Curriculum, Kindergarten-Primary Curriculum and counts on a physical education major.

319. Laboratory for 315. One hour.

A laboratory consisting of practice in the Laboratory School.

320. Laboratory for 316. One hour.

A laboratory course consisting of practice in the Laboratory School. Emphasis on informal groups, playground supervision, and organized games.

321. Kinesiology. Three hours.

The applied anatomy of the human musculature in relation to physical activity. Required for both men and women majoring in Physical Education.

322. Corrective Physical Education. Three hours.

Theory of remedial exercise and the individualizing of physical activities to meet the needs of the physically handicapped and postural cases. Correlates with Phys. Ed. 310.

Prerequisite: Phys. Education 321.

330. Rhythmic Activities. One hour.

Two hours a week. Required in last two years of Single Curriculum. Also may be taken by juniors and seniors preparing to teach in secondary schools, but not majoring in physical education.

403. Advanced Swimming. One hour.

Two periods a week. Diving, water stunts, games and highly skilled swimming. Instruction and tests for Red Cross Senior Life Saving certificate. Separate sections for men and women. Required of Physical Education majors and others upon arrangement with instructor.

405. Folk Dancing and Clogging. One hour.

Two periods a week. Required of Physical Education majors and others upon arrangement with instructor.

410. Organization and Administration. Two hours.

The study of procedures in the organization and administration of a physical education program. This includes purchase, care, and uses of equipment. Coordinating the physical education program with the school system. Required of men and women majoring in Physical Education.

418. Individual or Dual Sports. One hour.

Two hours a week. The following sports are offered: badminton, ping pong, handball, shuffleboard and horseshoes. Required in last two years of Single Curriculum.

NOTE: Archery and tennis and advanced swimming are offered in other courses which will meet this requirement.

- 420. Advanced Practice and Officiating.** One hour.
Required of Physical Education majors. (Men and Women).
- 421. Advanced Practice and Officiating.** One hour.
Continuation of Phys. Ed. 420. Required of Physical Education majors. (Men and Women).
- 440. Physiology of Exercise.** Three hours.
Designed to meet requirements of Physical Education majors in the analysis of physiological changes which occur in the body during exercise.
- 450. Playground and Community Recreation.** Two hours.
Theory and practice in organization and administration of such work. Required of women and men majoring in Physical Education and others upon arrangement with instructor.

POLITICAL SCIENCE

Professor Harris

- 201. American National Government.** Three hours.
The organization, principles, and actual workings of American national government; the relation of the federal government to the states; the organization and powers of the departments of the federal government; parties of public opinion; recent trends in the expansion of federal administrative functions. Students who have taken American History and Government 231 and 232 may not earn credit in Political Science 201. Not open to freshmen.
- 202. State and Local Government.** Three hours.
A study of the organization and functions of the state legislature, executive, and judiciary; state constitutions; tendencies in state administrative reorganization; parties and elections, suffrage. A study of both state and local governments in West Virginia. Not open to freshmen. Students who have earned credit in Social studies 103 or 303 may not take Political Science 202.
- 351. Modern Governments.** Three hours.
A general survey of the organization and functioning of contemporary major European governments. The course is intended for prospective teachers who are interested in a broad general acquaintance with the political institutions and governmental practices of other countries.
- 352. The United States and Western Hemisphere Neighbors.** Three hours.
Political, economic, racial and social factors in our relations with the countries of North and South America. Foreign policies of the United States as they relate to expanding national interests of these countries.
A study of some of the systems of government.

353. Oriental Politics and Civilization. Three hours.

A study of the political, social, economic, and religious factors that have promoted the awakening of China, Japan, and India. Attention given to political relations between the Orient and the United States.

SCIENCE**GENERAL, BIOLOGICAL, AND PHYSICAL**

Professor Darlington

Associate Professor Loy

NOTE: A laboratory fee of \$2.00 will be charged for the following courses.

107. Biological Science. Three hours.

A study of the structures and functions of the human body; nutrition; conservation of soil, forests, and wild life; the identification and interrelations of animal and plant life in their natural habitat.

108. Biological Science. Three hours.

A study of useful bacteria, disease bacteria and other disease microbes; parasitic and other fungi in relation to animal and plant life; eugenics, genetics, and human heredity; anthropology; the structures and functions of higher plants; plant and animal life in their natural environment.

109. General Physical Science. Three hours.

Integrated physical science. A study of the student's physical environment by integrating the physical sciences in the examination of such topics as the solar system, the stellar universe, energy with its various forms, sources, transformations, and uses in the student's everyday life in communication, transportation, housing, food and clothing production.

110. General Physical Science. Three hours.

Integrated physical science. A continuation of the study of the student's physical environment by integrating the physical sciences in the examination of such topics as forms and structures of matter, the earth's crust, the changing earth, the hydrosphere and atmosphere, winds and weather.

306. Field Biology. Four hours.

A study of identification, classification, different habitats, communities, and interrelations of some of the common plants and animals. Classroom, 2 hours; laboratory, 4 hours. Field trips for study of several different habitats.

307. Science in the Elementary School. Three hours.

A survey of the place of science in the elementary school. The subject matter is taken from all fields of natural science. The

course involves illustrations, demonstrations, and laboratory methods of presentation of concrete materials in simple language. Attention is given to construction of units, planning of activities, and organization of subject matter.

482. Conservation of Renewable Natural Resources. Two hours.

Each summer Marshall College cooperates with the workshop on conservation of natural resources conducted at Jackson's Mill by the West Virginia University and other colleges. For satisfactory completion of this course one can earn either graduate or undergraduate credit and register at the institution for which-ever credit is desired. Not open to students who have had Conservation 101.

SOCIAL STUDIES

Professor Harris

104. Development of Social Institutions. Three hours.

An interpretative treatment of the growth of European civilization from earliest historic times to about 1500 A. D. The course surveys the development of the major institutions and cultures during this period. The contributions of the Orient are given some attention.

105. Development of Social Institutions. Three hours.

A continuation of Social Studies 104 to the present time. The contributions of America to the development of institutions and cultures are coordinated with this course.

201. Fundamental Social Problems. Three hours.

Integrated social science. A careful study of the functions of contemporary social, political, and economic institutions. Major problems in their relationship to each other as a preparation for intelligent citizenship constitutes the main body of material for study in this course.

202. Fundamental Social Problems. Three hours.

Integrated social science. A continuation of Social Studies 201.

303. West Virginia History, Geography, and Government. Three hours.

This course aims to survey the history, government, and geography of West Virginia for prospective elementary teachers. Attention is given to the relative value and proper use of materials in the elementary schools. Formerly Social Studies 103.

COLLEGE OF ARTS AND SCIENCES



PURPOSE

ADMISSIONS

HONOR COURSES

PLACEMENT SERVICE

BACCALAUREATE DEGREES

REFRESHER COURSES

TWO-YEAR CURRICULA

PRE-PROFESSIONAL CURRICULA

COURSES OF INSTRUCTION

THE COLLEGE OF ARTS AND SCIENCES

EDUCATION AND LIBERAL ARTS

In order to be of the greatest service to society, one must have a liberal view, broad sympathies, and a constructive attitude toward the rights of others. The student who receives a liberal arts education is much more likely to have this broader outlook, and is also more likely to see beyond the horizon of his own selfish interests than is the individual whose training has been directed along a single line of specialization.

The primary purpose of a liberal arts course is to acquaint the student "with what man has done, that is, history; with what he has thought, that is, philosophy; with what he has found out, that is, science; with what man has created, that is, art; with what he has felt and expressed, that is, literature; and with what he has worshipped, that is, religion." Knowledge alone must not be the purpose and the end of education. Courses of study should produce students able to deal with general as well as specific occasions. This faculty is best acquired by means of a liberal education and so the requirements for the Bachelor of Science degree and those for the Bachelor of Arts degree do not differ widely. In other words, one of the main purposes of the College of Arts and Sciences is to educate rather than to train. Training belongs to the more specialized schools. The person best fitted for life is usually one who combines both these types of education.

The College of Arts and Sciences now offers the following four-year degrees: Bachelor of Arts, Bachelor of Science, and Bachelor of Engineering Science; also the following two-year degrees: Associate in Arts, and Associate in Science.

REQUIREMENTS FOR ADMISSION

Fifteen units of high school work are required for entrance. Admission may be obtained by entrance examination, by certificate from an accredited secondary or high school, or by a properly certified transcript from a standard university, college, or normal school.

According to the degree which he expects to receive the student will present for admission one or the other of the groups of prescribed subjects listed below. Students majoring in engineering should prepare for the B. E. S. degree. All others prepare for the A. B. or B. S. degree.

Admission to College of Arts and Sciences

The three degrees offered within the College of Arts and Sciences require slightly different entrance credits. The entrance requirements for the different degree curricula follow:

Students interested in securing the A. B. degree will present two units of one foreign language.

Students interested in securing the B. S. degree will present two units of mathematics (one algebra and one geometry). It is recommended that a student also present two units of one foreign language.

Students interested in securing the B. E. S. degree will present three units of mathematics (algebra, geometry, and trigonometry). It is recommended that a student also present two units of a foreign language, one unit of physics, and one unit of chemistry.

Placement tests in mathematics and foreign languages will be given to freshmen and transfer students who have begun the study elsewhere and wish to continue them in college. Students will be assigned to classes in accordance with the results of these tests.

RESTRICTIONS

No credit is allowed for less than one unit in a foreign language, chemistry, or physics.

EVENING CLASSES

The evening school at Marshall College was established with a three-fold purpose in mind: first, to give those who are employed an opportunity to increase their knowledge in their field of endeavor through evening study; second, to assist in the advancement of high school graduates who find it necessary to enter a vocation immediately; and, third, to give adults an opportunity to obtain instruction in those cultural courses which will provide a much fuller enjoyment of life.

It is the purpose of the college to offer any and all courses for which there is sufficient demand. Courses offered are those that will lead to a degree, or to a broad liberal education in the arts and sciences.

Announcements will be released one month prior to the opening of the semester. Those interested in taking this evening work should communicate with the office of the Dean of the College of Arts and Sciences.

ORGANIZATION

The various departments of the College of Arts and Sciences are grouped as follows:

Division of Humanities: Language, English, and the Arts

English, Latin, French, Spanish, German, Greek, art speech, music, physical education, Bible.

Division of Sciences: Mathematics and the Natural and Physical Sciences

Mathematics, physics, chemistry, geology, home economics, botany including bacteriology, zoology, engineering, business administration.

Division of Social Sciences

History, sociology, economics, political science, journalism, philosophy, psychology, geography, education.

Through the requirement of a minimum number of hours from each group, over-specialization will be avoided, while through the requirement of a maximum number of hours in a particular group an opportunity is afforded for intensive study in closely related subjects.

HONORS COURSES

Students of exceptional ability who possess a high degree of initiative may be registered by a department in Honors Courses. Such students are excused from some of the routine demands of the undergraduate courses but are required to maintain a higher standard of work both as to quantity and quality. Any junior with an outstanding scholastic record may apply to the head of the department for the privilege of enrolling as a candidate for honors in the field of his choice. Students so recommended by the head of the department, and approved by the Honors Committee, may receive eight hours credit during their senior year in courses numbered 495H and 496H. Applications should be filed by the opening of the second semester of the junior year, and must be recommended by the head of the department.

PLACEMENT SERVICE

In order to assist graduates and ex-students in securing suitable positions, a Placement Committee of the College of Arts and Sciences is maintained. This committee endeavors to secure information concerning the kind of positions open and the qualifications necessary for filling them. This service is free and the committee will make every endeavor to arrange personal interviews between applicants and prospective employers, and to furnish any records or personal data that may be required. Students desiring such service should register in the Office of the Dean.

THE BACCALAUREATE DEGREE

Students in Marshall College, registered in the College of Arts and Sciences, may elect to receive the degree, Bachelor of Arts (A. B.), or Bachelor of Science (B. S.), upon the completion of the established four-year course of one-hundred and twenty-eight (128) semester hours, and who meet the requirements set up by the college and by the department in which the student is majoring.

REQUIREMENTS FOR THE A. B. AND B. S. DEGREES**GENERAL REQUIREMENTS**

(For the B. E. S. degree see pages 175-176.)

- (1) Candidates for graduation must have at least as many quality points as hours to their credit.
- (2) In no one of the divisions listed under "organization" may more than 72 hours be credited toward the A. B. degree and 84 toward the B. S. degree.
- (3) Forty-eight hours must be earned in courses numbered 300-499 for the A. B. and B. S. degree.
- (4) Before admission to the junior year, a student must have a quality point average of 1.0 or better on the work which was completed in the freshman and sophomore years. Students who have completed two years of work with a quality point average of less than 1.0 may not take courses in advance of the 200 series.
- (5) ALL SPECIFIC REQUIREMENTS (pages 141-142), for the degree must be completed before the student reaches the senior level. Seniors, however, who find it necessary to take a required course in the 100 series must make a grade of B or better to receive full credit toward graduation, otherwise half credit will be allowed.
- (6) Candidates for the A. B. and B. S. degrees must earn at least 26 hours in a major subject, no more than 6 of which may be selected from courses in the 100 series.
The quality point average in the major subject must be 1.5 or better, and no grade of less than C will be accepted as meeting the requirement in the major subject.
Candidates must also earn at least 12 hours in a minor subject, no more than three of which may be from the 100 series. The minor subject may be such as the student elects.
- (7) No more than eight hours may be elected in the Department of Education by students in the College of Arts and Sciences.
- (8) The maximum amount of work which any student may take in a single department is forty hours for the A. B. degree and 46 hours for the B. S. degree.

SPECIFIC REQUIREMENTS FOR THE A. B. DEGREE**HUMANITIES****I. English**

- | | |
|---|--------|
| a. English Composition 101 and 102..... | 6 hrs. |
| b. English Literature 205 and 206..... | 4 hrs. |
| c. American Literature 341 or 342..... | 3 hrs. |
| d. Speech 101 and 102..... | 4 hrs. |

II. Foreign Language

Twelve hours must be earned in one foreign language. These hours may be earned either in a new language or in one already begun in high school. If a student enters deficient in one unit of foreign language he must present 15 hours for graduation; if he enters deficient in two units he must present 18 hours for graduation.....12 hrs.

(Those students contemplating graduate study in any field should have French and German. German is especially recommended for students majoring in science.)

III. Physical Education 113 and 114..... 2 hrs.**SCIENCES****I. Natural and Physical Sciences**

Choose two from a, b, c, and d.

- | | |
|--|--------|
| a. Physics | 8 hrs. |
| b. Chemistry | 8 hrs. |
| c. 4-hr. lab. course in Botany and 4-hr. lab. course in
Zoology 211 | 8 hrs. |
| d. Geology 200 and any 300 course | 7 hrs. |

Total15-16 sem. hrs.

II. Mathematics 3 hrs.**SOCIAL SCIENCES****I. History, Economics or Political Science (in two)..... 9 hrs.****II. Psychology, Sociology or Philosophy (may be distributed) 9 hrs.**

Total18 sem. hrs.

GRAND TOTAL67-68 hrs.

SPECIFIC REQUIREMENTS FOR THE B. S. DEGREE**HUMANITIES****I. English**

- | | |
|---|--------|
| a. English Composition 101 and 102..... | 6 hrs. |
| b. English Literature 205 and 206..... | 4 hrs. |
| c. Speech 101 and 102..... | 4 hrs. |

II. Foreign Language

Twelve hours must be earned in one foreign language. These hours may be earned either in a new language or in one already begun in high school..... 12 hrs.

Not required of engineering and business administration majors if two years of high school language has been presented. It is urgently recommended that all business administration majors take at least twelve hours of college work in a foreign language, as such will be required in pursuit of all advanced degrees by graduate schools. (Those students contemplating graduate study in any field should have French and German. German is especially recommended for students majoring in science.)

III. Physical Education 113-114 2 hrs.**SCIENCES**

- | | |
|--|--------|
| I. a. Physics | 8 hrs. |
| b. Chemistry | 8 hrs |
| c. 4-hr. lab. course in Botany and 4-hr. lab. course in
Zoology 211 | 8 hrs. |
| d. Mathematics | 6 hrs. |
| e. Geology 200 | 4 hrs |

Total 34 hrs.

Candidates for the B. S. degree must take the subjects mentioned under a, b, c, d, and e with the following exceptions: business administration majors are required to take only 8 hours from a or b or c, and 3 hours in mathematics or 4 hours in geology. Majors in dietetics take only b and c.

SOCIAL SCIENCES

- | | |
|---|--------|
| I. History, Economics, or Political Science (in two)..... | 9 hrs. |
| II. Psychology, Sociology, or Philosophy (may be distributed) | 9 hrs. |

GRAND TOTAL 80 hrs.

SPECIAL CURRICULA AND REFRESHER COURSES

Marshall College endeavors to arrange courses and schedules to meet the needs not only of the regular students, but also of veterans and others who may desire specific or refresher courses to prepare them for some vocation or particular kind of work.

These courses are designed to fit the individual students, and are therefore flexible. They can be arranged according to the needs, previous training, and experience of the individual student. They may extend over one semester, one year, two years, or as long as the student may desire in order to attain his goal.

REFRESHER COURSES

This program is for the purpose of meeting individual needs and is therefore not a uniform, predetermined curriculum, set up alike for all

students. It is intended primarily for mature students or returning veterans who may desire only one year or less of college, regardless of whether they have had any previous college training or not. Many may wish to take refresher or other courses in subjects directly applicable to their vocation and immediate needs. Virtual freedom is permitted in the election of courses, depending upon the individual needs and aptitudes.

Courses may be taken for or without credit. Prerequisites may be waived in certain specific cases with the consent of the instructor.

A number of courses are available in late afternoon and night.

NOTE: This program may be supplemented and extended to two years if desired.

TWO-YEAR CURRICULA

For those who for various reasons may not be able, or may not wish to complete four years of college work, a number of two-year special curricula have been organized. These courses will serve three purposes; (1) They will enable the student to avoid rambling aimlessly through a number of unrelated courses merely to say that he has attended college for a certain length of time; (2) they will enable the student to prepare better for some vocation or phase of work in which he may be interested; (3) they will give the student a feeling of satisfaction of having completed a course of study.

Upon the completion of one of these courses the student may be granted the degree of Associate in Arts or Associate in Science, depending on the course pursued. However, after the completion of a two-year course the student may, if he wishes, continue toward a Baccalaureate degree.

GENERAL EDUCATION

Two-Year Course

First Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
English 205	2	English 206	2
Botany 203 or 209	4	Zoology 211	4
History	3	Psychology 100	3
Electives	5	Electives	4
	17		16

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 341	3	English 342 (or Humanities)	3
Chemistry or Physics	4	Chemistry or Physics	4
Pol. Sci. 101 or Economics 109	2	Sociology 132	2
Electives	7	Electives	7
	16		16

BUSINESS ADMINISTRATION**ACCOUNTING****Two-Year Course*****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Business Administration 215	3	Business Administration 216	3
Economics 109	2	Economics 110	2
Political Science 101	2	Political Science 102	2
Geography 203	3	Mathematics 120 or 223	3
Elective	2	Elective	2
	15		15

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Business Administration 311	3	Business Administration 312	3
Business Administration 315	3	Business Administration 316	3
Business Administration 307	3	Business Administration 340	3
Business Administration 323	3	Business Administration 324	3
Business Administration 313	2	Business Administration 317	3
Elective	2	Elective	2
	16		17

BANKING**Two-Year Course*****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Economics 109	2	Economics 110	2
Business Administration 215	3	Business Administration 216	3
Political Science 101	2	Political Science 102	2
Geography 203	3	Mathematics 120 or 223	3
Elective	2	Elective	2
	15		15

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Economics 308	3	Economics 310	3
Business Administration 307	3	Business Administration 340	3
Business Administration 323	3	Business Administration 324	3
Economics 342	3	Business Administration 434	3
Business Administration 313	2	Business Administration 318	3
Elective	3	Elective	2
	17		17

*For degree curricula see pages 90, 91, 92.

BUSINESS MANAGEMENT**Two-Year Course*****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Economics 109	2	Economics 110	2
Business Administration 215	3	Business Administration 216	3
Political Science 101	2	Political Science 102	2
Geography 203	3	Mathematics 120 or 223	3
Elective	2	Business Administration 231	2
	<hr/> 15		<hr/> 15

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Economics 308	3	Economics 342	3
Business Administration 307	3	Business Administration 308	3
Business Administration 323	3	Business Administration 324	3
Business Administration 340	3	Business Administration 330	3
Business Administration 320	3	Business Administration 321	3
Elective	2	Elective	2
	<hr/> 17		<hr/> 17

RETAILING**Two-Year Course****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Speech 101	2	Speech 102	2
Political Science 101	2	Political Science 102	2
Home Economics 104	3	Geography 203	3
Mathematics 100	2	Electives: (Choose 5 or 6 hours from the following)	
Electives: (Choose 5 or 6 hours from the following)		Art 202	2
Economics 109	2	Economics 110	2
Home Economics 127	2	Home Economics 227	3
Business Administration 227	2	Business Administration 228	2
Business Administration 245	3	Business Administration 246	3
	<hr/> 15-16		<hr/> 15-16

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Psychology 201	4	Business Administration 340	3
*Business Administration 227	2	*Business Administration 228	2
Business Administration 245	3	Business Administration 246	3
or		or	
Business Administration 345	3	Business Administration 346	3
Business Administration 343	3	Business Administration 344	3
Business Administration 330	3	Electives	5
	<hr/> 15-16		<hr/> 16

*Required if not taken first year

SECRETARIAL**Two-Year Secretarial Course*****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Economics 109	2	Economics 110	2
Business Administration 201	4	Business Administration 202	4
Speech 101	2	Mathematics 120 or 223	3
Electives	5	Speech 102	2
		Electives	2
	16		16

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Business Administration 301	3	Business Administration 302	3
Business Administration 215	3	Business Administration 216	3
Business Administration 231	2	Business Administration 304	1
Business Administration 404	3	Business Administration 305	2
Business Administration 320	3	Business Administration 405	3
Business Administration 307	3	Business Administration 308	3
	17		15

ELECTRONICS AND RADIO**Two-Year Course****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Mathematics 122	3	Mathematics 224	4
Mathematics 223	3	Physics 203	3
Physics 201	3	Physics 204	2
Physics 202	2	Geology 303	3
Engineering 110	3		
	17		15

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Physics 205	3	Physics 312	3
Physics 206	2	Physics 313	2
Physics 300	3	Physics 302	3
Physics 301	2	Physics 303	2
Chemistry 201	4	Chemistry 202	4
Mathematics 325	4	Mathematics 326	4
	18		18

*For degree curricula see pages 157-160.

SPANISH**Two-Year Course****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Spanish 101	3	Spanish 102	3
English 101	3	English 102	3
Business Administration 103	2	Business Administration 104	2
or		Psychology 100	3
Business Administration 231	2	Economics 110	2
Mathematics 120 or 223	3	Business Administration 304	1
Economics 109	2	Electives	2
Speech 101	2		
	<hr/> 15		<hr/> 16

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Spanish 203	3	Spanish 204	3
Spanish 306	2	Business Administration 216	3
History 301	3	Business Administration 308	3
Business Administration 215	3	Sociology 300	3
Political Science 202	3	Electives	5
Electives	2		
	<hr/> 16		<hr/> 17

SPEECH**Two-Year Course****First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Speech 101	2	Speech 102	2
Speech 205	3	or	
Speech 209	2	Speech 207	3
Speech 239	2	Speech 240	3
English 101	3	Speech 210	2
Electives	3	Psychology 100	3
		English 102	3
		Electives	3
	<hr/> 15		<hr/> 16-17

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Speech 320	3	Speech 321	3
Speech 404	2	Speech 405	2
Speech 306	3	Speech 330	3
Speech 312	2	English 206	2
English 205	2	English 307	3
Electives	4	Speech 313	2
		Electives	2
	<hr/> 16		<hr/> 17

COMBINED COLLEGE AND PROFESSIONAL COURSES

A student wishing to study medicine, dentistry, or law at a professional school may be granted a leave of absence during his senior year at

Marshall College. At the end of the first year in the professional school the student then is eligible for the baccalaureate degree from Marshall College, provided that all requirements for graduation are met and that the student can present certification from the professional school that a sufficient number of semester hours of good quality work has been completed to total 128 when added to those earned at Marshall College. Ruling passed August 16, 1937, by the State Board of Education. Students wishing to receive a degree under this plan must file a written request for the degree in the office of the Dean before leaving Marshall College.

Only 52 hours of study in the student's major division at Marshall College will count toward the degree. At least 96 hours of study must have been completed and 96 or more quality points earned by the student at Marshall College. In order to receive the degree the student must be present at the regular Marshall College commencement.

Candidates for admission to the pre-medical work must include in their high school subjects: Latin 2 units, mathematics 2 units (algebra 1, geometry 1), physics 1 or chemistry 1. Students are strongly urged to present also: French 2 units or German 2 units and botany 1 unit or zoology 1 unit.

CURRICULUM PREPARATORY FOR MEDICINE

For B. S. and A. B. specific requirements see pages 141-142.

First Year

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 201	4	Chemistry 202	4
English 101	3	English 102	3
Foreign Language	3	Foreign Language	3
Zoology 211	4	Zoology 212	4
Physical Education 113	1	Physical Education 114	1
Electives	2	Electives	2
Recommended:		Recommended:	
Sociology 132		Sociology 132 or 232	
Political Science 101		Political Science 102	

Second Year

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 203	4	Chemistry 204	4
English 205	2	English 206	2
Physics 201*	2 or 3	Physics 203*	2 or 3
Physics 202	2	Physics 204	2
Foreign Language	3	Foreign Language	3
Electives	3 or 4	Electives	3 or 4
Recommended:		Recommended:	
**Mathematics		**Mathematics	
Psychology 201		Psychology 308	
Speech 101		Speech 102	

Third Year

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 301	4	Chemistry 302	4
Electives	12 or 13	Zoology 302	4
		Electives	8 or 9

*Duke University requires ten hours of physics as preparatory work.

**Bachelor of Science candidates note that six hours of mathematics are required for the degree.

Recommended electives for the third and fourth years are: additional courses in physics, chemistry (physical is especially recommended), and the biological sciences.

The present trend among schools of medicine is to recommend against intensive training in the natural sciences. Instead they prefer that the candidate have a broader training with more attention being given to the liberal arts courses.

Special attention is called to the increasing tendency among the best medical colleges to require three or even four years of pre-medical preparation. In all colleges preference is given to those applicants having such preparation. Students are urged to plan their undergraduate work toward securing the A. B. or B. S. degree. The curriculum is intended to serve as a guide and may be varied to suit the individual needs of the student.

Students who are preparing themselves for medicine should keep in mind the fact that certain schools of medicine require specific courses in addition to those listed above. Such courses are best taken as electives during the third or fourth year. Embryology (Zoology 301) is the course most frequently required and this by only a limited number of schools.

Each pre-medical student is required to take the Medical Aptitude Test before making application for admission to medical school. The test is given under direction of the American Medical Association and the pre-medical school at which the test is taken acts as a representative of the American Medical Association in administering the test. The test is given annually, and should be taken in the sophomore or junior year.

The curriculum presented above is designed to meet the needs of students preparing to enter medical colleges which require two, three or four years of pre-medical preparation. It is highly desirable that freshmen indicate the medical college they intend to enter, since colleges vary somewhat in certain requirements.

NOTE: Those pre-medics requiring ten hours of general physics may take Light Laboratory (Physics 305) or Heat Laboratory (Physics 309) for the extra two hours credit.

In order to secure a recommendation to a medical college the student must have a scholastic average of 1.5. The student should keep in mind, however, the fact that competition in the field of medicine is extremely severe. There are many more candidates for admission to medical schools than can be accepted and, other things being equal, those students with the highest scholastic standing are given preference.

DENTISTRY

Students preparing to enter dental college should take a similar course, except that foreign language is not usually required. The ruling of the Dental Educational Council of America calls for six semester

hours in each of the following: English, biology, physics, inorganic chemistry, three semester hours of organic chemistry, and electives to make a total of sixty semester hours, as preparation for three years in any leading school of dentistry.

PREPARATION REQUIRED FOR STUDENTS PLANNING TO BE DIETITIANS

Students planning to prepare for positions as dietitians must be graduates of a four-year college of approved standing. During their undergraduate years they must follow the courses prescribed by the American Dietetic Association for students applying for admission to graduate training courses.

The required preparation is as follows:

CURRICULUM FOR DIETITIANS

B. S. DEGREE

First Year

First Semester	Hrs.	Second Semester	Hrs.
English 101	3	English 102	3
Language	3	Language	3
Chemistry 201	4	Chemistry 202	4
Home Economics 202	3	Home Economics 203	3
Physical Education 113	1	Physical Education 114	1
Electives	2	Home Economics 205	2
	16		16

Second Year

First Semester	Hrs.	Second Semester	Hrs.
English 205	2	English 206	2
Language	3	Language	3
Zoology 211	4	Speech 102	2
History 311	3	History 312	3
Chemistry 210	1½	Chemistry 211	1½
Speech 101	2	Electives	6
Electives	2	Recommended: Zoology 212—4	
	16½		16½

Third Year

First Semester	Hrs.	Second Semester	Hrs.
Chemistry 301	4	Home Economics 301	4
Psychology 201	4	Chemistry 305	3
Economics 241	3	Psychology 302	3
Electives	6	Sociology 300	3
Recommended: Home Economics 300—3 Business Adm. 215—3		Zoology 315	4
	17		17

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Botany 302	4	Home Economics 304	3
Home Economics 405	3	Home Economics 407	3
Home Economics 420	3	Electives	10
Education	3	Recommended:	
Electives	3	Home Economics 303—3	
Recommended:			
Home Ec. Educ.			
	<hr/> 16		<hr/> 16

NOTE: Concentration subject within the major division must include 26 semester hours, no more than 6 of which may be counted from courses in the 100 series. An A. B. degree may be earned by adding three hours of American Literature.

CURRICULUM PREPARATORY FOR NURSING AND HEALTH FIELDS

Students planning to enter the nursing field have a distinct advantage in larger hospitals if they have their college degree. Some schools of nursing admit only college graduates.

Preference is usually given to students who have had good training in the sciences; including chemistry, botany, zoology, psychology, and sociology. Other recommended courses are: anatomy, physiology, bacteriology, social science, public health, economics (household), dietetics, English, and modern languages.

One of the leading schools of nursing makes the following statements: "Opportunities for employment in both the hospital and the public health nursing field are steadily increasing—staff positions for the young graduate; teaching, supervisory, and administrative positions for the person of experience. Our students are placed as soon as they are graduated, and we cannot begin to fill the positions which are open. The number of students that we can admit each year is limited, and we frankly are looking for the first young women available. We want them to be good students, but even more important, we want them to be of fine character—the kind you would trust in your family at time of crisis."

The usual basic course in nursing is three years in length.

TWO-YEAR COLLEGE COURSE FOR MEDICAL TECHNOLOGISTS

Biology: 8 semester hours, of which at least 4 semester hours must be zoology. (Botany 203 or 209 and Zoology 211.)

Bacteriology: At least 3 semester hours. (If not available, other branches of biology may be substituted.) (Botany 302.)

Chemistry: General Inorganic Chemistry. At least 8 semester hours, including 4 semester hours in laboratory.

Organic Chemistry: A complete course, at least 4 semester hours, with not less than 1 1-3 semester hours of laboratory.

Quantitative Analysis: 3 semester hours.

Physics: At least 2 semester hours, with 2 semester hours of laboratory. Either high school or college trigonometry prerequisite to physics.

English: 6 semester hours in English composition and rhetoric.

Electives: Sufficient to give a total of 60 semester hours of college credit. Sociology and psychology are recommended for electives.

REQUIREMENTS FOR ENTRANCE INTO COLLEGES OF VETERINARY MEDICINE

Schools of veterinary medicine have not standardized their requirements for entrance. Some schools require as little as one year of preparatory work whereas others require courses that would normally take three years to complete. Following are courses which constitute a bare minimum of preparatory work:

English 101, 102, 205	8 sem. hrs.
Chemistry 201, 202	8 " "
Zoology 211 and 302	8 " "
Social Sciences	7 " "

Sociology

History

Political Science

Economics

Psychology

Philosophy

Electives 3 sem. hrs.

May be selected from English, French, German, chemistry, history, political science, botany, mathematics, speech, psychology, zoology, and physics.

Many schools of veterinary medicine require more preparatory work than that given above and this list is intended only as a guide for the first year of college work. It is advisable that the prospective student of veterinary medicine consult the school which he plans to attend to determine the exact requirements for entrance into that particular school.

PREPARATION FOR ENTRANCE TO SECOND YEAR OF FORESTRY SCHOOL

First Semester	Hrs.	Second Semester	Hrs.
English 101	3	English 102	3
Botany 203 or 209	4	Zoology 211	4
Mathematics 120	3	Mathematics 122	3
Chemistry 201	4	Geology 200	4
Physical Education 113	1	Chemistry 202	4
Electives	2	Physical Education 114	1
	<hr/> 17		<hr/> 19

NOTE: Students expecting to enroll in forestry at West Virginia University must do so before July 15 for second year work.

CURRICULUM FOR MUSIC MAJORS

(Division of Humanities)

For course descriptions see listing of courses in Teachers College bulletin under the heading of Music.

Students may major in music and earn the A. B. degree in the College of Arts and Sciences by meeting the general and specific requirements and by taking the following courses in music:

Music 103, Music as an Art and a Science	2 hrs.
Music 115, 116, Sight Singing and Ear Training	6 hrs.
Music 120, 121, Harmony	4 hrs.
Music 222, 223, History and Appreciation of Music	6 hrs.
Music 151, 152, 251, 252, 351, 352, 451, 452, Voice	8 hrs.
or Music 191, 192, 291, 292, 391, 392, 491, 492, Piano	8 hrs.
	<hr/>
Total	26 hrs.

Elect 10 hours from the following:

Music 265, 266, 465, 466, Band	8 hrs.
Music 207, 407, Ensemble Singing	8 hrs.
Music 208, 408, Ensemble Playing	4 hrs.

Grand Total 36 hrs.

COURSES OF INSTRUCTION

ART

All art courses may be taken by students in the College of Arts and Sciences for credit, with the exception of Art 338.

BIBLE AND RELIGION

(DIVISION OF HUMANITIES)

Assistant Professor Hooper

The number of ministerial students at Marshall College has been gradually increasing over a period of years. Most accredited theological seminaries require a Baccalaureate degree as a prerequisite for matriculation or for graduation. A college education is a decided advantage to one who wishes to make the fullest use of his talents in the ministry, and in promoting the cause in which he is most interested. It also greatly facilitates advancements leading to a broader service in the field.

While Marshall College offers a limited number of courses in the study of the Bible, no theological courses as such are offered. However, the courses leading to the A. B. degree prepare one for entering the seminary. Such courses as Greek, Latin, Roman and Greek history and civilization, philosophy and psychology are fundamental to the theological courses. The student should acquaint himself with the specific requirements of the seminary which he expects to enter, and then select his college course accordingly.

The courses described below are not intended to be exclusively for pre-seminary students, but will be very helpful to them. These courses are organized for all students interested in the study of the Bible.

- 206. History and Literature of the New Testament.** Two hours. (First semester.) Formerly Bible 202 and 211.

A brief study of the origin of the gospels, the life of Christ, and the New Testament church.

- 210. Old Testament History.** Two hours. (Second semester.)

A history of the Hebrew people from the call of Abram to the overflow of the kingdom in 586 B. C.

- *302. Outlines of Church History.** Two hours. (First semester.)

Brief survey of the history of the church from the first century to the present.

- 304. The Teachings of Jesus.** Two hours. (Second semester.)

- 310. The Hebrew Prophets.** Two hours. (First semester.)

*Will not be given in 1948-1949.

BOTANY**(DIVISION OF SCIENCES)**

Assistant Professors Plymale and Thomas

Students desiring to major in botany should consult with the head of the department as to curriculum.

A \$2.00 science fee will be charged for each laboratory course taken, except \$4.00 fee for Botany 302 and 402. Fees will be payable to the Financial Secretary. The date of payment will be designated at the registration period.

203. General Botany. Four hours. (First semester.)

Two lectures and two 2-hour laboratories each week.

A study of the structure and functions of the seed plant and its organs.

209. General Botany. Four hours. (Second semester.)

Two lectures and two 2-hour laboratories each week.

Not open to students who have had Botany 204.

A survey of both lower and higher forms with emphasis on methods of reproduction and biotic relationships; some attention is given to the recognition of native plants; not a continuation of Botany 203.

A student may take both Botany 203 and 209 for credit or may elect to take either course. Either Botany 203 or Botany 209 will meet the Botany requirement of Science I-c.

301. Dendrology. Two hours. (Summer term.)

A course designed to enable the student to recognize our native trees and shrubs. Lecture and field study.

302. General Bacteriology. Four hours. (First and second semesters.)

Two lectures and two 2-hour laboratories each week.

The techniques of culturing, isolating, and identifying bacteria, with a study of their distribution in air, milk, water, and food. Attention is given to disease-producing bacteria, methods of disinfection, and principles of immunity. A general course intended to meet the needs for subsequent studies in domestic science, sanitation, and medicine.

***304. Plant Physiology.** Four hours. (Second semester.)

Three lectures and one 2-hour laboratory each week.

The physiology of absorption, ascent of sap, transpiration, food synthesis, translocation, respiration, growth and reproduction.

Prerequisite Botany 203.

*Will not be given in 1948-1949.

- 305. Economic Botany.** Three hours. (First semester.)
Study of plants used by man for food, ornamental purposes, building material, textiles and other industrial purposes; economic importance of conservation; origins of cultivated plants.
No laboratory.
- 402. Advanced Bacteriology Laboratory.** Two hours. (Second semester.)
Advanced study on special topics. Open to a limited number of students.
Prerequisite: Botany 302.
- 403. Plant Pathology.** Four hours. (First semester.)
Three lectures and one 2-hour laboratory each week.
The nature, cause, and control of plant diseases.
Prerequisite: Botany 204 or 209.
- 404. Plant Taxonomy.** Five hours. (Second semester.)
Four lectures and one 2-hour laboratory period each week.
The identification and classification of the flowering plants and ferns of eastern United States. Each student will prepare a small herbarium and field trips will be planned to introduce the student to methods of field work.

BUSINESS ADMINISTRATION

Professor Wolfard

Associate Professor Dorworth

Assistant Professors Dwight, Evans, C. Miller

Instructors E. Miller, Owen, Seaberg

BUSINESS ADMINISTRATION CURRICULA

Specialization in this department leads to either the A. B. or the B. S. degree. The department is cognizant of a need for a broad cultural background as well as intensive training in the theories and practices of the special business field chosen by the student. The first two years are substantially the same for all curricula.

At or before the beginning of the third academic year the student should choose a field of specialization from the following: accounting, banking, business management, personnel management, marketing-retailing, secretarial. The curriculum requirements for the several fields are outlined below. The electives chosen should generally bear upon the selected field of specialization.

The business administration graduates of Marshall College have had no difficulty in securing and holding positions in the field of business.

ALL CURRICULA

First Year

First Semester	Hrs.	Second Semester	Hrs.
English 101	3	English 102	3
Speech 101	2	Speech 102	2
Science (Arts & Science courses) 4	4	Science (Arts & Science courses) 4	4
Mathematics 120, 150, or 223	3	***Business Administration 104 2	2
*Language	3	*Language	3
Physical Education 113	1	Physical Education 114	1
Recommended Electives:		Recommended Electives:	
**Bus. Adm. 103	2	Sociology 132	2
Pol. Sci. 101	2	Pol. Sci. 102	2

Second Year

First Semester	Hrs.	Second Semester	Hrs.
Business Administration 215	3	Business Administration 216	3
or		or	
Business Administration 201****	4	Business Administration 202*** 4	4
Economics 241	3	Economics 242	3
English 205	2	English 206	2
Language	3	Language	3
Psychology 201	4	Geography 203	3
		Business Administration 231	2

ACCOUNTING CURRICULUM

Third Year

First Semester	Hrs.	Second Semester	Hrs.
Business Administration 320	3	Business Administration 321	3
Business Administration 307	3	Business Administration 308	3
Business Administration 311	3	Business Administration 312	3
Business Administration 313	2	Business Administration 316	3
Economics 308	3	Economics 342	3
Electives	2	Electives	3

Fourth Year

First Semester	Hrs.	Second Semester	Hrs.
Business Administration 323	3	Business Administration 324	3
Business Administration 315	3	Business Administration 415	3
Business Administration 318	3	Business Administration 434	3
Electives	6-7	Electives	6-7
Recommended:		Recommended:	
Economics 443	2 hrs.	Economics 444	2 hrs.

*Twelve hours of foreign language are required unless a student presents 2 units of one foreign language from high school.

**Not open to students who have had one year of typewriting in high school or the equivalent.

***Required of secretarial majors.

****Required for secretarial curriculum unless the student presents one unit (one year) of shorthand from high school or the equivalent. Those taking the secretarial curriculum should postpone accounting to the third year. Shorthand-Type-writing is not required in other curricula.

BANKING AND FINANCE CURRICULUM**Third Year**

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Business Administration	320	3	Business Administration	321	3
Business Administration	307	3	Business Administration	308	3
Business Administration	311**	3	Business Administration	312**	3
Economics	308	3	Economics	310	3
Electives		6-7	Electives		6-7
Recommended:			Recommended:		
Psychology, Economics, History, Philosophy, So- ciology.			Economics, Psychology, Sociology, Philosophy.		

Fourth Year

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Business Administration	323	3	Business Administration	324	3
Business Administration	340	3	Business Administration	318	3
Business Administration	434	3	Business Administration	350	3
Economics	350	3	Economics	403	3
Electives		4	Electives		4

Note: Twelve hours of foreign language are required unless a student presents 2 units of one foreign language from high school.

**Required for B. S. degree but not for A. B. degree.

PERSONNEL MANAGEMENT CURRICULUM**Third Year**

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Business Administration	320	3	Business Administration	321	3
Business Administration	307	3	Business Administration	308	3
Business Administration	340	3	Economics	346	3
Economics	344	3	Psychology	302	3
Speech	207	3	Speech	306	3
Electives		2			

Fourth Year

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Business Administration	350	3	Business Administration	318	3
Sociology	300	3	Psychology	418	3
Electives		10	Electives		10
Recommended:			Recommended:		
Psychology, Philosophy, Economics, History, So- ciology, Political Science.			Economics, Psychology, Philosophy, Sociology, History, Political Science.		

BUSINESS MANAGEMENT CURRICULUM**Third Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Business Administration 320	3	Business Administration 321	3
Business Administration 307	3	Business Administration 308	3
Business Administration 311	3	Business Administration 312	3
Economics 308	3	Economics 310	3
Electives	3-4	Electives	3-4
Recommended:		Recommended:	
Economics 346	3 hrs.	Economics 342	3 hrs.

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Business Administration 323	3	Business Administration 330	3
Business Administration 340	3	Business Administration 318	3
Business Administration 350	3	Business Administration 434	3
Electives	8-9	Electives	8-9
Recommended:		Recommended:	
Economics, Psychology, Sociology, Philosophy, History, Political Science.		Economics, History, Psy- chology, Sociology, Phil- osophy, Political Science.	

MARKETING-RETAILING CURRICULUM

NOTE: There is a demand for persons trained in the field of merchandising on the part of department stores and chain store systems. This is one business field in which it is not unusual for women to hold executive and well-paid positions as buyers, department managers, advertising copywriters, and merchandising managers. It should, therefore, be especially attractive to them. Since many chain store systems are still expanding, they offer good opportunities for trained men to progress to managerial positions.

Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Business Administration 227	2	Business Administration 228	2
Business Administration 245	3	Business Administration 246	3
Business Administration 320	3	Business Administration 321	3
Business Administration 307	3	Business Administration 350	3
Business Administration 340	3	Business Administration 330	3
Electives	2-3	Electives	2-3
Recommended:		Recommended:	
Art 103	3 hrs.	Home Econ. 127	2 hrs.
Home Econ. 104	2 hrs.	Home Econ. 227	3 hrs.
		Economics 342	3 hrs.

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Business Administration 343	3	Business Administration 344	3
Business Administration 345	3	Business Administration 346	3
Geography 205	3	Psychology 418	3
Home Economics 400	2	Electives	6-7
Electives	4		

SECRETARIAL CURRICULUM

Third Year

First Semester			Second Semester		
	Hrs.			Hrs.	
Business Administration 301	3		Business Administration 302	3	
Business Administration 304	1		Business Administration 216	3	
Business Administration 215	3		Business Administration 308	3	
Business Administration 307	3		Business Administration 305	2	
Electives	6		Electives	5	
Recommended:					
Psychology, Sociology,					
History, Political Science.					

Fourth Year

First Semester			Second Semester		
	Hrs.			Hrs.	
Business Administration 404	3		Business Administration 405	3	
Business Administration 340	3		Business Administration 330	3	
or			Economics 346	3	
Economics 308	3		Electives	7	
Psychology 418	3				
or Psychology 302	3				
Electives	6				

Cooperative Plan. The College of Arts and Sciences is formulating a plan whereby the student will be given an opportunity to work in businesses and industries engaged in his field of specialization. This plan, which is already in effect for the Marketing-Retailing Curriculum, will enable the student to gain practical experience as well as receive college credit for successful performance under real business conditions.

BUSINESS ADMINISTRATION

COURSES OF INSTRUCTION

NOTE: The following courses and numbers formerly listed as COMMERCE:

- 103. Typewriting.** Two hours. (First and Second semesters.)
Development of proper technique in operation of typewriter. Elementary business letter typing and adaptation of typing skill to personal use.
No credit if student has had one year or more of typing in high school.
- 104. Typewriting.** Two hours. (First and Second semesters.)
Continuation of Bus. Adm. 103. Required of all secretarial specialists.
The typing of business letters, manuscripts, office forms, and legal documents, tabulation and the development of typing speed.
- 201. Shorthand-Typewriting.** Four hours. (First and Second semesters.)
Fundamental principles of Gregg shorthand as taught by modified functional method. Introduction to transcription of shorthand notes on typewriter. Beginning course.
No credit if student has had one year or more of shorthand in high school.
Prerequisite: Bus. Adm. 104 or concurrently.
- 202. Shorthand-Typewriting.** Four hours. (First and Second semesters.)
Business letter dictation and transcription on typewriter. Speed of 100 should be attained. Required of all secretarial specialists.
Prerequisite: Bus. Adm. 201 or one year of shorthand in high school and Bus. Adm. 104.
- 215. Principles of Accounting.** Three hours. (First semester.)
Fundamental principles involving simple transactions, accounts, books and statements; adjustments.
- 216. Principles of Accounting.** Three hours. (Second semester.)
Business documents; first principles of partnership and corporation accounts, voucher system, statements.
Prerequisite: Bus. Adm. 215.
- 227. Retail Salesmanship.** Two hours.
Examination of phases of salesmanship in retailing. Attitudes; necessary knowledge of store, merchandise, and customer; techniques that stimulate buying; building of permanent business.
To be carried concurrently with Business Administration 245.

228. Problems in Retail Salesmanship. Two hours.

Problems facing retail sales people in store policies and relationships, customer contacts, personality development, conferences with coordinator on individual problems.

To be carried concurrently with Business Administration 246.

Prerequisite: Bus. Adm. 227, 245.

231. Principles of Selling. Two hours. (First and Second semesters.)

Elements in successful selling; knowledge, personality, pre-approach standardized canvass, relationships to management.

245. Cooperative Store Service. Three hours.

Work in cooperating retail establishments to gain practical experience in the principles and techniques covered in classroom courses in retailing. Working-time minimum, 15 hours per week under supervision of coordinator.

To be carried concurrently with Business Administration 227.

246. Cooperative Store Service. Three hours.

Continuation of Business Administration 245.

To be carried concurrently with Business Administration 228.

301. Intermediate Dictation. Three hours. (First semester.)

Development of speed in taking dictation and speed and accuracy of transcription. Speed of 120 words per minute should be attained.

Prerequisite: Bus. Adm. 202.

302. Advanced Dictation. Three hours. (Second semester.)

Speed of 150 words per minute should be attained.

Prerequisite: Bus. Adm. 301.

304. Filing. One hour. (Second semester.)

Basic principles of indexing and filing. Practice in the operation of the common filing systems.

305. Business Machines. Two hours.

One hour lecture and two hours laboratory.

To acquaint the student with the operation and use of the mimeograph, mimeoscope, dictaphone, posting, adding and calculating machines.

307. Principles of Business Law. Three hours. (First semester.)

Study of the laws of business as operative in contracts, torts, agency, negotiable instruments and banking paper. State code and case materials used.

308. Principles of Business Law. Three hours. (Second semester.)

Study of the laws of business operative in partnerships, corporations, sales—personal and real property, bailments, and insurance. State code and materials used.

- 311. Advanced Accounting.** Three hours. (First semester.)
Working papers; forms of statements; corporation accounts; principles of asset valuation; depreciation; installment sales and consignments.
Prerequisite: Bus. Adm. 216.
- 312. Advanced Accounting.** Three hours. (Second semester.)
Liabilities, surplus and reserve; analysis of financial statements; application of funds; partnership problems; liquidation.
Prerequisite: Bus. Adm. 311.
- 313. Mathematics of Business and Finance.** Two hours.
Review of arithmetic concepts including interest and discount; amounts and present values; annuities; sinking funds, insurance.
- 315. Cost Accounting.** Three hours. (Second semester.)
Departmental process, sequential and job lot costs; cost records and procedures; disposition of burden.
Prerequisite: Bus. Adm. 311 or permission of instructor.
- 316. Auditing.** Three hours. (Second semester.)
Auditing theory and procedure; preparation of working papers and reports; legal and social responsibilities of the auditor.
Prerequisite: Bus. Adm. 311 or permission of instructor.
- 318. Business Statistics.** Three hours.
Intensive study of problems in analysis of business and economic time series. Seasonal, cyclical, and irregular movements; index number of prices and production. Investment analysis.
Prerequisite: Statistics 317.
- 320. Business Organization and Management.** Three hours.
Economic principles of organization; types of business organization; internal control; business records and statistics as related to control; a survey of financial, personnel and production management.
- 321. Business Organization and Management.** Three hours.
A survey of market management; forms of business expansion; business associations; public relations.
- 323. Principles of Business Finance.** Three hours. (First semester.)
Forms of business organization; development and nature of the corporation; instruments of corporate finance, promotion; sale of corporate securities.
Prerequisites: Economics 242 and Bus. Adm. 216.
- 324. Principles of Business Finance.** Three hours. (Second semester.)
Financing ordinary operations of business organizations, combination and expansion of business units; corporate dissolution and reorganization; social aspects of business finance.
Prerequisite: Bus. Adm. 323.

- 330. Principles of Advertising.** Three hours. (Second semester.)
Introduction to the field of advertising, principles of copy, layout and display, and elements of construction.
Prerequisite: Bus. Adm. 231 or permission of instructor.
- 340. Principles of Marketing.** Three hours. (First semester.)
Intensive study of market functions, channels through which goods move, wholesale and retail institutions, and market costs. Survey of standardization, market news, and relations to state.
Prerequisite: Bus. Adm. 231 or permission of instructor.
- 343. Principles of Retailing.** Three hours.
Principles and mechanics of successful retail merchandising covering merchandise and stock control, buying, marking, pricing, advertising, credits and personnel management.
Prerequisite: Bus. Adm. 227 or permission of instructor.
- 344. Store Organization and Management.** Three hours.
Questions of store organization in various types of retail stores. Layout and location, planning and controlling store expenses, budgets, and consideration of non-selling departments.
Prerequisite: Bus. Adm. 343 or permission of instructor.
- 345. Cooperative Store Service.** Three hours.
Continuation of work in retail establishments as in Bus. Adm. 245 and 246, with emphasis on type of retail work chosen by student with counsel or coordinator. Working-time minimum, 15 hours per week under supervision of coordinator.
Prerequisite: Bus. Adm. 245, 246.
- 346. Cooperative Store Service.** Three hours.
Continuation of Bus. Adm. 345.
- 350. Transportation.** Three hours.
History, organization, operation, regulation, and management of railway, waterway, highway, and air transportation. Consideration of principles of rate-making, shipping practices, train movements, terminals, ports and docks, and traffic expediting services.
Prerequisite: Bus. Adm. 340.
- 404. Secretarial Training.** Three hours. (First semester.)
Training in the duties of a private secretary.
Prerequisite: Bus. Adm. 202, 301 and preferably Bus. Adm. 302.
- 405. Office Practice and Management.** Three hours. (Second semester.)
Theory of office management. Practical experience in office work in downtown business concerns.
Prerequisite: Bus. Adm. 404.

415. Federal Taxation. Three hours.

Survey of various federal taxes. Special emphasis on the preparation of personal and corporate income tax returns. Some attention given to payroll, estate, gift, and inheritance taxes.

Prerequisite: Bus. Adm. 312 or permission of instructor.

420. Production Management. Three hours.

Managerial organization of production; plant design and layout; problems of procurement; control of plant; investment, working capital and labor costs. Production operations including planning and routing.

434. Investments. Three hours. (Second semester.)

The nature, forms, and principles of investment; institutions for facilitating investment.

Prerequisites: Economics 241, 242, or 340; Business Administration 215, 216.

450. Business Research. Two hours.

The student will make a study of a topic related to his field of specialization under the direction of an adviser and submit a written report.

495H. Readings for Honors in Business Administration. Four hours (First semester.)

Open only to business administration majors who have an average of 2.5 in business administration and a general scholastic average of 2.3. Research courses in conference with the departmental staff. Student selects his field and is assigned a faculty sponsor from the departmental staff in the field selected. Bibliography, research, outline and constructive papers towards a given end, under the directive counsel of the sponsor, concluded by a comprehensive examination.

Consult page 139 for rules and general information.

496H. Readings for Honors in Business Administration. Four hours. (Second semester.)

A continuation of 495H, with added emphasis upon creative production, and initiative and resourcefulness in the "comprehensive." Both courses must be taken in order to receive Honors credit.

CHEMISTRY**(DIVISION OF SCIENCES)**

Professors Bartlett, Rumble

Associate Professor Moseley

Assistant Professor Whelpley

Instructors Hoback, Morrison

The purposes of this department are:

To offer the student adequate training in the field of chemistry in order to enable him to gain employment as a chemist or to enter a school which offers graduate training in chemistry.

To offer preparatory work to those who may wish to enter professional schools of medicine, dentistry, medical technology, etc.

To offer elementary courses to those who have had no previous training in chemistry and who may need a limited knowledge of the subject to satisfy the requirements of other departments or to satisfy their own desire for some acquaintance with the subject.

REQUIREMENTS FOR CHEMISTRY MAJORS

In addition to the general and specific requirements for the A. B. or B. S. degree, the major in chemistry must fulfill the following requirements:

- a. Chemistry 201, 202, 203, 204, 301, 302, 411, 412, 413, 414
- b. French 12 hours or German 12 hours
- c. Mathematics through Integral Calculus
- d. Physics 10 hours

Recommended electives:

Additional French or German

(A reading knowledge of both is desirable)

Botany 302

History in the 300 series

Psychology

Additional physics courses

CHEMISTRY

COURSES OF INSTRUCTION

A \$2.00 science fee and a \$5.00 breakage deposit will be charged for each laboratory course taken. This will be payable to the Financial Secretary following registration.

201. General Chemistry. Four hours. (First and second semesters.)

A study of the basic laws and theories of general chemistry and their applications; chemical nomenclature and arithmetic; and the preparation and study of typical non-metallic elements.

202. Advanced General Chemistry and Elementary Qualitative Analysis. Four hours. (First and second semester.)

A continuation of Chemistry 201, with emphasis upon the chemistry of the metallic elements and their compounds. The laboratory work consists of an elementary course in inorganic qualitative analysis.

203. Qualitative Analysis. Four hours. (First and second semesters.)

A study of weak and strong electrolytes, solubility product principle, hydrolysis and complex ions. The aim of the laboratory instruction is to acquire an understanding of the principles of analytical separations and to develop technique.

Prerequisite: Chemistry 202.

204. Quantitative Analysis. Four hours. (Second semester.)

This course familiarizes the student with typical analyses and prepares the student for further analytical work. It includes volumetric and gravimetric analysis. Special emphasis is placed on the development of a quantitative technique in the analytical separations.

Prerequisite: Chemistry 202.

204a. Quantitative Analysis. One hour. (Second semester.)

This is an additional hour of laboratory work for those students needing five hours of quantitative analysis. It consists of two more experiments.

Prerequisite or parallel: Chemistry 204.

210. Pre-medical Lectures. One-half hour. No credit unless 211 is taken. Required of all sophomore pre-medical students.

211. Pre-medical Lectures. One-half hour. Required of all sophomores taking pre-medical course.

212. Pre-medical Lectures. One-half hour. No credit unless 213 is taken. Required of all juniors taking pre-medical course.

- 213. Pre-medical Lectures.** One-half hour. Required of all juniors taking pre-medical course.
- 301. Organic Chemistry.** Four hours. (First semester.)
A study of the paraffin series and derivatives.
Prerequisite: Chemistry 203 or 204.
- 302. Organic Chemistry.** Four hours (Second semester.)
A study of the unsaturated carbon compounds, the benzene series and derivatives.
Prerequisite: Chemistry 301.
- 303. Advanced Quantitative Analysis.** Four hours. (First and second semesters.)
One hour conference and six hours laboratory work per week.
The analytical work is designed to fit the needs and the desires of the student. It may include the complete analysis of limestone, gypsum, and other minerals, or the analysis of coal, water, drugs, and food products.
Prerequisite: Chemistry 204.
- 305. Physiological Chemistry.** Three hours. (Second semester.)
A study of the essential foods, digestion, metabolism, the blood, and the urine. This course is designed for pre-med students, home economics and students of dietetics.
Prerequisites: Chemistry 301 and 204.
- 306. Physiological Chemistry Laboratory.** Two hours. (Second semester.)
The experiments in this course are designed to familiarize the students with standard methods of analyzing fats, carbohydrates and proteins.
- 307. Elementary Physical Chemistry.** Three hours. (First semester.)
A study of the physical theories of general chemistry emphasizing the biological and medical viewpoint.
Prerequisites: Chemistry 203 or 204.
- 308. Organic Chemistry.** Six hours. (Second semester.)
For pre-professional scientific students only.
Does not fulfill organic chemistry requirements for the bachelor's degree, for chemistry majors.
A study of the nomenclature, classification, preparation and properties of carbon compounds. Emphasis will be placed upon those compounds of biological and medical importance.
Prerequisite: Chemistry 202.
- 401. Special Topics.** One to four hours. (First and second semesters.)
For major students only. By members of the chemistry staff.
Work to consist of special problems in the field of inorganic, organic, physical, or physiological chemistry.
Permission of the staff.

- 402. Special Topics.** One to four hours. (First and second semesters.)
A continuation of Chemistry 401.

For major students only.
Prerequisite: Permission of instructors.
- *403. Advanced Inorganic Chemistry.** Two hours. (First semester.)
Open to seniors and graduates only.
Complex metallic compounds, Werner theory, the newer theories of valence and the compounds of the lesser known metals.
Prerequisites: Physics, Analytical and Organic Chemistry.
- 404. Colloid Chemistry.** Two hours. (Second semester.)
Open to seniors and graduates only.
A study of the behavior of colloidal solutions, inorganic and organic, from a chemical viewpoint.
Prerequisite: Chemistry 307.
- 411. Physical Chemistry.** Three hours. (First semester.)
Open to seniors and graduates only. No graduate credit for Chem. Majors.
A general course in physical chemistry.
Prerequisites: Analytical and Organic Chemistry, Physics, and Integral Calculus.
- 412. Physical Chemistry.** Three hours. (Second semester.)
Open to seniors and graduates only. No graduate credit for Chem. Majors.
A continuation of Chemistry 411.
Prerequisite: Chemistry 411.
- 413. Experimental Physical Chemistry.** Two hours. (First semester.)
Open to seniors and graduates only. No graduate credit for Chem. Majors.
Experiments in viscosity, molecular weight determination, vapor density, etc.
Prerequisite or parallel: Chemistry 411.
- 414. Experimental Physical Chemistry.** Two hours. (Second semester.)
Open to seniors and graduates only. No graduate credit for Chem. Majors.
Experiments in rates of reaction, electromotive force, gas cells, salt effects, etc.
Prerequisite: Chemistry 413.
- 495H. Readings for Honors in Chemistry.** Four hours. (First semester.)
Staff.
Open only to chemistry majors who have an average of 2.5 in chemistry and a general scholastic average of 2.3 for the first

*Will not be given in 1948-1949.

three years of their college work. The course consists essentially of original research work under the direction of the various members of the department. The choice of an exact subject for research is made by the student in consultation with members of the department.

Consult page 139 for rules and general information.

496H. Readings for Honors in Chemistry. Four hours. (Second semester.) Staff.

A continuation of 495H. Both courses must be taken in order to receive honors credit.

ECONOMICS

(DIVISION OF SOCIAL SCIENCES)

Professors Olson and Wolfard
Instructor Kling

CURRICULUM FOR ECONOMICS MAJORS

A. B. Degree

Subject to the general requirements of the College of Arts and Sciences, a major sequence in economics is offered. This curriculum provides broad cultural training and prepares students for entrance into graduate schools to pursue advanced degrees, or for research in economics. Extension of government activities into economic fields has also brought forth demands for trained economists, not likely to diminish greatly in the calculable future. As never before, the business and professional world requires men and women who have acquired a broad understanding of economic facts and theories, and of their application to national and international problems.

Students who desire to major in economics should consult the department head not later than their sophomore year, and preferably in the freshman year.

First Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
Economics 109	2	Economics 110	2
History 221	3	History 222	3
English 101	3	English 102	3
Speech 101	2	Speech 102	2
Mathematics 120, 122 or 223	3	Psychology 100	3
Foreign Language	3	Foreign Language	3
Physical Education 113	1	Physical Education 114	1

Second Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
Economics 241	3	Economics 242	3
History 311	3	History 312	3
English 205	2	English 206	2
Science	4	Science	4
(See pages 142-143)		(See pages 142-143)	
Foreign Language	3	Foreign Language	3

Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Economics 308	3	Economics 310	3
Economics 339	3	Economics 342	3
Economics 344	3	Economics 346	3
Bus. Adm. 215 or Statistics 317	3	Bus. Admin. 216	3
Political Science 301 or 303	3	Political Science 333 or 406	3
Electives, 300-400 courses	2	Electives, 300-400 courses	2

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Economics 350	3	Economics 403	3
Economics 443	2	Economics 444	2
Philosophy 311	3	Philosophy 312	3
Sociology 401 or 418	3	English	2
English	2	Science	3-4
Science	4	Electives	3

Some deviations from stated social science requirements may be permitted owing to changed conditions and to prerequisites in other departments.

ECONOMICS**COURSES OF INSTRUCTION**

- 109. Introduction to Economics.** Two hours. (First semester.)
A survey of economic history, ideas, and institutions, designed to prepare freshmen for successful study of economic principles.
- 110. Introduction to Economics.** Two hours. (Second semester.)
A continuation of Economics 109.
- 241. Principles of Economics.** Three hours. (First semester.)
Principles and problems associated with the production, exchange, and distribution of wealth.
Prerequisite: Sophomore standing or consent of the instructor.
- 242. Principles of Economics.** Three hours. (Second semester.)
Prerequisite: Economics 241, or consent of instructor.
- 308. Money, Credit, and Prices.** Three hours. (First semester.)
A study of the principles of money and credit with an analysis of their effects on prices.
Prerequisites: Economics 241 and 242, or consent of instructor.
- 310. Principles of Banking.** Three hours. (Second semester.)
A general survey of various banking institutions; savings, investment, agricultural, trust and commercial banks; central banks and the Federal Reserve System.
Prerequisites: Economics 241 and 242.

- 339. Economic Development of Europe.** Three hours. (First semester.)
Feudal institutions, the rise of capitalism and the modern industrial system and, economic and institutional factors underlying present national difficulties and international conflicts.
- 342. Economic Development of the United States.** Three hours. (Second semester.)
Economic and institutional factors and trends in the history of the United States.
Prerequisites: Economics 241 and 242, or consent of instructor.
- 344. Labor, Industry and Society.** Three hours. (First semester.)
A general survey of labor history, and machine age; the background of labor problems, and the development of labor organizations.
Prerequisites: Economics 241 and 242, or consent of instructor.
- 346. Labor Problems.** Three hours. (Second semester.)
Economic problems from the standpoint of employees, employers, and society.
Economic effect of state and federal labor legislation are also studied.
Prerequisites: Economics 241-242 or consent of instructor.
- 350. Contemporary Economic Systems.** Three hours. (First semester.)
Economic principles and theories of capitalism, fascism, various types of socialism, and the cooperative movement.
Prerequisites: Economics 241 and 242, or consent of instructor.
- 403. Public Finance.** Three hours. (Second semester.)
Theory and practice of governmental expenditures and taxation, including the West Virginia tax system.
Prerequisites: Economics 241-242.
- 443. Economic Thought.** Two hours. (First semester.)
Origin and development of economic theories, with emphasis on the period from the Physiocrats to John Stuart Mill.
Prerequisites: Economics 241 and 242, or consent of instructor.
- 444. Economic Thought.** Two hours. (Second semester.)
Economic theory from the marginal utility schools to Veblen.
Prerequisites: Economics 241 and 242, or consent of instructor.

Note: Economics 443 and 444 are not open to students who have credit for Economics 441 and 442.

ENGINEERING

Coordinator Maclin

Assistant Professor Stinson

Instructors Shafer, Scrivner, Urian, Winters

Admission to this department. Included in the fifteen units of high school work required for admission to the College of Arts and Sciences (Page 138), there must be submitted $1\frac{1}{2}$ units of algebra, 1 unit of plane geometry and $\frac{1}{2}$ unit of solid geometry. In addition it is desirable to have $\frac{1}{2}$ unit of trigonometry, 1 unit of physics, 1 unit of chemistry and 2 units of a foreign language. Deficiencies in mathematics must be made up in the summer school preceding entrance or during the first semester of residence.

The Engineering Department offers two programs; first: a four-year General Engineering course leading to the Bachelor of Engineering Science degree; second: the first two years of college engineering work leading to the specialist degree. The curriculum has been so arranged that it can be made to conform, in general, to the curricula of leading engineering colleges. A student who has satisfactorily completed the two years offered here may enter as a junior in any engineering college and obtain an engineering degree after two additional years there. For the student to gain entry as a junior in other schools the engineering adviser must know the selected college so that the curriculum here can be planned to fit the individual case.

D-Rho D-Theta, honorary engineering fraternity, annually awards an engraved cup to the sophomore engineering student who makes the highest scholastic average during his freshman year.

The Huntington Engineers' Club presents an annual award to the outstanding engineering student of Marshall College. It carries a certificate award together with some worth while engineering instruments that can be used later in advanced engineering work. Open to sophomores only. No student can win it twice in succession.

The Huntington Engineers' Club maintains a Student Loan Fund for the purpose of making emergency loans to engineering students at Marshall College. Loans are available to any student enrolled in engineering at Marshall College upon the recommendation of a member of the engineering staff. The loans are not to exceed fifty dollars to any one student, to bear interest at the rate of 2% and to be repaid not later than three years after the student leaves Marshall College. For further information consult any member of the engineering staff. Student membership in the Huntington Engineers Club is available to any student at Marshall College who is enrolled in engineering.

The Huntington Chapter of the West Virginia Society of Professional Engineers presents an annual award to the outstanding junior

engineering student of Marshall College. It carries a certificate award together with some worth while engineering instruments or handbook. Open to juniors only.

Membership in the Marshall College Junior Chapter of the West Virginia Society of Professional Engineers is open to any student enrolled in engineering. This includes a subscription to the West Virginia Engineer. Activities of this organization include monthly meetings featuring movies and guest speakers, inspection trips to various plants, and other activities of interest to the engineering student.

The Huntington Chapter of the American Association of Engineers presents an annual award to the outstanding senior engineering student of Marshall College. It carries a certificate award together with some worth while engineering instruments or handbook. Open to seniors only.

ENGINEERING CURRICULUM

Freshman and Sophomore Years of the Specialist Curriculum

First Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Mathematics 122	3	Mathematics 224	4
Mathematics 223	3	Chemistry 202	4
Chemistry 201	4	Engineering 201	2
Engineering 110	3	Engineering 208	3
Engineering 100	1½	Physical Education 114	1
Physical Education 113	1		
	<hr/>		<hr/>
	17½		17

Summer Session—Shop Work—3 to 5 hours.

Second Year

Required in all courses

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Mathematics 325	4	Mathematics 326	4
Physics 201	3	Physics 203	3
Physics 202	2	Physics 204	2
Economics 241	3	Engineering 306	3
	<hr/>		<hr/>
	12		12

Required in Electrical and Mechanical

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Engineering 215	2	Engineering 209	4
Electives	4	Electives	2
	<hr/>		<hr/>
	6		6

Required in Civil and Mining

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Engineering 207	2	Engineering 353	2
Engineering 320	4	Geology 200	4
	<hr/> 6		<hr/> 6

Required in Chemical

<i>First Semester</i>	<i>Hrs.</i>		<i>Hrs.</i>
Chemistry 203	4	Chemistry 204-204A	5
Engineering 215	2	Elective	1
	<hr/> 6		<hr/> 6

NOTE: Engineering students completing this course of study will have fulfilled requirements for the first two years toward the B. E. S. degree.

GENERAL ENGINEERING CURRICULUM

For the Degree of Bachelor of Engineering Science

The purpose of this curriculum is to provide a foundation of scientific and basic engineering knowledge, to train in the engineering method of attacking problems, and at the same time to give the student a well-rounded knowledge of the various phases of the engineering profession. In the senior year the student is offered a considerable amount of latitude in the selection of his courses. This provision gives him an opportunity to choose advanced subjects along the line of his main interest.

The choice of electives is subject to approval of the engineering adviser, and in all cases must have a definite objective. Students may obtain approved copies of curricula for options in physics, chemistry, business administration, public administration, as well as in general engineering, from the engineering adviser.

NOTE: Substitutions may be made in the outline below, subject to the approval of the head of the Department of Engineering and the Dean of the College of Arts and Sciences.

First Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Chemistry 201	4	Chemistry 202	4
Mathematics 122	3	Mathematics 224	4
Mathematics 223	3	Engineering 201	2
Engineering 110	3	Engineering 208	3
Engineering 100	$\frac{1}{2}$	Physical Education 114	1
Physical Education 113	1		<hr/> 17
	<hr/> 17½		

Second Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
Economics 241	3	Engineering 306	3
Engineering 207 or 215	2	Physics 203	3
Physics 201	3	Physics 204	2
Physics 202	2	Mathematics 326	4
Mathematics 325	4	Restricted Electives	6
Restricted Electives	4		
	18		18

Third Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
Engineering 321	2	Engineering 322	2
Physics 300	3	Physics 303	2
Engineering 307	4	Engineering 350	1½
Physics 301	2	Physics 302	3
Restricted Electives	6	Engineering 401	3
	17	Restricted Electives	7
			17½

Fourth Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
Engineering 402	2	Engineering 403	4
Engineering 351	½	Engineering 352	½
Business Administration 307	3	Engineering 404	4
Electives	3	Electives	2
Restricted Electives	9	Restricted Electives	7
	17½		17½

ENGINEERING**COURSES OF INSTRUCTION**

- 100. Engineering Lectures.** One-half hour. (First semester.)
Required of all freshmen in engineering. A series of weekly lectures designed to acquaint the engineering student with the engineering profession.
- 110. Mechanical Drawing.** Three hours. (First and second semesters.)
Three 3-hour laboratory periods each week. Care and use of drawing instruments, lettering, mechanical drawing, tracing, and practical problems using working drawings.
- 200. Machine Work.** Three hours. (Summer only.) Meets eight hours a day for a period of three weeks at the close of school.
Includes the use of metal lathe, drill press, shaper, fundamentals of foundry, and welding.
- 201. Plane Surveying.** Two hours. (Second semester.)
One hour recitation and three hours laboratory each week. Methods of using the tape, level and transit in making plane surveys.
Prerequisites: Engineering 110 and Mathematics 122.

207. **Structural Drawing.** Two hours. (First semester.)
For civil engineers. Steel details and structures, wooden framed structures and reinforced concrete.
Prerequisite: Engineering 110.
208. **Descriptive Geometry.** Three hours. (First and second semesters.)
Prerequisite: Solid geometry and Engineering 110.
209. **Mechanism.** Two or four hours. (Second semester.)
Two lectures and two 3-hour laboratory periods each week. Theory of Mechanism.
Four-hour course for Mechanical Engineering and two-hour course for all others.
Prerequisite: Engineering 215 and enrollment in Math. 326.
210. **Gas Welding.** One hour.
A study of the methods and practice of welding. One 3-hour laboratory.
211. **Electric Welding.** One hour.
215. **Advanced Machine Drawing.** Two hours. (First semester.)
Advanced work in mechanical drawing for mechanical and electrical engineers.
Prerequisite: Engineering 110.
306. **Analytical Mechanics. (Statics.)** Three hours. (First and second semesters.)
Three lectures each week. Statics of material point and rigid bodies by graphic and algebraic methods of analytical chains and cords; centers of gravity; moments of inertia of plane figures.
Prerequisite: Registration in Mathematics 326.
307. **Mechanics of Materials.** Four hours. (First semester.)
Strength of materials, shear and moment diagrams, stresses in shafts, beams and columns, combined stresses, deflection, reinforced concrete beams.
Prerequisite: Engineering 306.
320. **Advanced Surveying.** Four hours. (First semester.)
Three hours recitation and three hours laboratory each week. City and topographic surveys. Field and office work. Field astronomy.
Prerequisite: Engineering 201.
321. **Engineering Problems.** Two hours. (First semester.)
An elementary course in the analysis of simple engineering problems and the application to their solution. To train the student in recording engineering computations.
Prerequisites: Mathematics 122 and 223 and Engineering 200.
322. **Engineering Problems.** Two hours. (Second semester.)
Prerequisites: Engineering 321, and registration in Mathematics 326.

- 330. Elementary Machine Design.** Three hours. (Second semester.)
This course involves the study of machine elements and their design through the application of rational and empirical methods. Two recitations and one 3-hour drawing period.
Prerequisite: Engineering 307 and 215.
- 350. Engineering Seminar.** One-half hour. (Second semester.)
Special problems in engineering mechanics.
Advanced students only.
- 351. Engineering Seminar.** One-half hour. (First semester.)
Special problems in reinforced concrete.
Advanced students only.
- 352. Engineering Seminar.** One-half hour. (Second semester.)
Special problems in foundations.
Advanced students only.
- 353. Route Surveying.** Three hours. (Second semester.)
A study of simple, compound, and spiral curves, earth work, and highway surveys.
Prerequisite: Engineering 201.
- 400. Kinetics.** Three hours. (Second semester.)
Three lectures each week. Developing of the laws of moving bodies; work and energy; relative motion; principles of rotating masses. An elementary study of dynamics in general.
Prerequisite: Engineering 306.
- 401. Hydraulics.** Three hours. (Second semester.)
Three lectures each week. A study of the mechanics of fluids.
Prerequisite: Engineering 306.
- 402. Materials of Construction.** Two hours. (First semester.)
Two lectures each week. A study of the properties of building materials.
Prerequisite: Engineering 307.
- 403. Engineering Report Writing.** Four hours. (Second semester.)
The writing of technical reports and business letters.
Prerequisite: English 102 and junior standing.
- 404. Statically Determinate Structures.** Four hours. (Second semester.)
Three lectures and one 3-hour laboratory each week.
Design of steel and timber structures. Special emphasis on design and detailing of steel roof truss. Study of engineering theory and practice.
Prerequisite: Engineering 307.
- 410. Advanced Machine Design.** Three hours. (First semester.)
A continuance of course 330 involving more complicated machine elements and the complete design of some small machine.
One recitation and two 3-hour drawing periods.
Prerequisite: Engineering 330.

ENGLISH**(DIVISION OF HUMANITIES)**

Professors Howgate, Wehler, Sechler

Associate Professors Baxter, Flower, White, Pollitt

Assistant Professors Hepburn, Rice, Stender

Instructors Washington, Starkey, Rowley, McCloud, Topping

REQUIREMENT FOR THE ENGLISH MAJOR***32 SEMESTER HOURS**

English Composition, 101-102.

Survey of English Literature, 205-206.

Survey of American Literature.

World Literature.

Advanced English Composition.

Study of Major Author or Authors.

Study of English Language.

Two courses in One Literary Type or Period.

Suggested Courses in Other Departments:

English History.

American History.

Introduction to or History of Philosophy.

Oral Interpretation of Literature.

COURSES OF INSTRUCTION

- 101. Composition.** Three hours. (First and second semesters.)
Review of grammar, spelling, and punctuation. Themes. Readings from modern essays. Required of all freshmen.
- 102. Composition.** Three hours. (First and second semesters.)
Advanced grammar. Themes and term paper.
Collateral Readings.
Prerequisite: English 101.
- 205. English Literature to 1800.** Two hours. (First and second semesters.)
A survey of English literature, prose and poetry, from Beowulf to Robert Burns.
- 206. English Literature from 1800.** Two hours. (First and second semesters.)
A survey of English literature, prose and poetry, from Wordsworth to present-day writers.
Prerequisite: English 205.

*Effective for students entering September 1, 1946, or thereafter.

English 205-206 or their equivalent are prerequisite to all advanced courses in English literature.

210. Biography. Two hours.

A study of biography and autobiography as literary forms, in relation to the intellectual and cultural backgrounds of the periods studied.

213. Survey of English and American Literature. Three hours. (First and second semesters.)

A chronological study of the literary heritage of the English-speaking peoples in relation to their culture and civilization. The interrelations of English and American literature and their relation to the literature of Europe.

May be elected in place of English 205, 206, 341, and 342 in fulfillment of the literature requirements for the A. B. and B. S. degrees. Not open to students who have taken English 205, 206, 341 or 342.

214. Survey of English and American Literature. Three hours. (First and second semesters.)

A continuation of English 213.

English 213 and 214 may be elected in place of English 205, 206, 341, and 342 in fulfillment of the literature requirement for the A. B. and B. S. degrees. Not open to students who have taken English 205, 206, 341, or 342.

302. Elizabethan Drama. Three hours.

A study of the plays of Shakespeare's contemporaries and successors to the close of the theatre in 1642.

Usually offered in alternate years.

Prerequisite: English 206.

307. Modern Drama. Three hours. (Second semester.)

A survey of modern British and American drama.

316. Contemporary Writers, English and American. Two hours.

A study of the temper and trend of the twentieth century through representative writers in various literary forms.

317. The Development of the English Novel. Three hours.

A history of the English novel, with emphasis upon the literary and social trends of the periods represented and the art of the novel as revealed in selected masterpieces.

325. Shakespeare. Three hours.

An appreciative study of the art and achievement of Shakespeare with emphasis upon his interpretation of human character. No credit if English 301 and 304 have been taken.

Primarily for juniors and seniors.

329. **Modern Novel.** Three hours.
A survey of modern British and American novels.
331. **The Short Story.** Three hours.
A study, chiefly of types, of the worlds' greatest short stories, with emphasis on modern American writers.
332. **Tennyson and Browning.** Three hours.
An intensive study of the most important poems of two writers, against the background of the Victorian age.
No credit if English 305 or 318 has been taken.
335. **Literature of the Renaissance and Reformation.** Two hours.
A survey of English literature from early Renaissance writers to the period of the Restoration.
No credit if English 315 has been taken.
341. **American Literature to 1870.** Three hours.
A survey of American literature from the beginnings to Poe.
Prerequisite: English 102 or 104. Not open to freshmen.
342. **American Literature from 1870.** Three hours.
Continuation of English 341, from Whitman to present-day writers.
Prerequisite: English 102 or 104. Not open to freshmen.
351. **Development of the English and American Drama.** Three hours.
A study of the drama from the Elizabethan age to the present, with emphasis upon the drama as a literary form and as a reflection of national cultures.
377. **Creative Composition.** Three hours.
An advanced course in composition designed primarily for those having some interest and ability in writing.
Prerequisite: Consent of the instructor.
402. **World Literature.** Three hours.
Selections from the literature of great nations, ancient and modern, excluding American and British.
403. **Lyric Poetry, English, and American.** Two hours.
The background and the varying forms of the lyric, with extensive reading of poetry.
405. **Study of the English Language.** Three hours.
A study of the growth of the English language and of its present structure and use.
407. **Anglo-Saxon.** Three hours.
The elements of Old English, with selected readings.
Primarily for seniors who intend to do graduate work. Seniors and graduates only.

- 409. Milton and His Contemporaries.** Three hours.
An intensive study of a selected group of seventeenth century writers, such as Milton, Donne, and Browne, in reference to the intellectual backgrounds of Renaissance and Reformation.
Offered in alternate years.
- 410. Intellectual backgrounds of the Eighteenth Century.** Three hours.
An intensive study of a selected group of writers against the philosophic and artistic backgrounds of the century.
Offered in alternate years.
- 411. Chaucer.** Three hours.
An intensive study of the major works, with some reading in the original language.
Seniors and graduates only.
- 436. Early and Medieval Literature.** Two hours.
A survey of the first ten centuries of English literature to the Renaissance.
No credit if English 378 has been taken.
- 444. Emerson, Poe, and Whitman.** Three hours.
An intensive study of these three American authors.
Seniors and graduates only.
- 445. Poetry of Robinson and Frost.** Three hours.
A study of two masters of modern American poetry.
Seniors and graduates only.
- 446. Drama of the Restoration and Eighteenth Century.** Three hours.
A survey of British drama from 1660 to 1800 in relation to the changing social patterns of the age.
Seniors and graduates only.
Given in alternate years.
- 447. Studies in the Romantic Poets.** Three hours.
An intensive study of Wordsworth, Keats, and Shelley.
Seniors and graduates only.
Offered in alternate years.
No credit if English 321 or 344 has been taken.
- 455. Literary Criticism.** Three hours.
The principles and history of literary criticism, with some practice in the application of critical judgments.
Seniors and graduates only.
Offered in alternate years.

495H. Readings for Honors in English. Four hours. (First semester.)

Open only to English majors who have a general average of 2.3 or above and 2.5 or better in English.

Readings, conferences and monthly written examinations. The student may select his field in English or American literature, and may choose the English professor with whom he wishes to work.

Consult page 139 for rules and general information.

496H. Readings for Honors in English. Four hours. (Second semester.)

A continuation of 495H. Both courses must be taken in order to receive Honors credit.

FRENCH**(DIVISION OF HUMANITIES)**

Associate Professors Noble and Walker

Assistant Professor Parrish

The Department of French is organized to serve the interests of those students who are studying the French language as a means to a liberal education and of those also who desire a more intensive training in this modern foreign tongue. The student is thus enabled to broaden his intellectual horizon and human sympathy through the development of an intelligent interest in the genius of the French people. With mastery of the French language comes the ability to use it as a tool in various fields of activity, as well as a deeper appreciation of its beauty and of the enjoyment to be found in the history, literature, and art of an old-world civilization which has made such a great contribution to our own.

REQUIREMENTS FOR THE FRENCH MAJOR

(Effective for students entering September, 1947)

26 semester hours

A student with no previous training in French must have completed the following requirements:

- | | |
|--|---------------|
| 1. Beginning French, 121-122 | 6 hours |
| 2. Intermediate French, 223-224 | 6 hours |
| 3. Oral French and Composition | |
| Choose a or b | |
| a. One semester of Oral French | 2 hours |
| b. One semester of Composition | 3 hours |
| 4. Literature and Civilization | |
| Choose a or b | |
| a. Literature | 6 hours |
| b. Literature and Civilization | 6 hours |
| 5. Electives from groups 3 and 4 above | 5 or 6 hours. |

In the case of students with previous training in French, prerequi-

sites may be affected by results of placement tests. See page 75 of this catalogue.

In general, however, students entering with one unit of high school French should take French 122 and thus should have time for three more hours of electives from groups 3 or 4 above. Those entering with two units of high school French should register for Intermediate French 223 and thus should have time for 11 or 12 hours of electives from groups 3 and 4 above. Students who enter with more than two units of high school French should have in proportion more time for the advanced courses.

COURSES OF INSTRUCTION

- 121. First Year French.** Three hours. (First semester.)
A study of pronunciation, grammar, verbs, vocabulary, and French civilization with emphasis on the oral approach. From the beginning, the ability to comprehend is developed, and self expression in language is encouraged.
- 122. First Year French.** Three hours. (Second semester.)
A continuation of French 121.
Prerequisite: French 121 or one unit of high school French.
- 223. Intermediate French.** Three hours. (First semester.)
Composition, grammar review, irregular verbs, dictées, and conversation. Modern novels, short stories, and plays are selected for intensive reading and afford suggestive materials for discussions, conversations in the language.
Prerequisite: French 122 or two units of high school French.
- 224. Intermediate French.** Three hours. (Second semester.)
A continuation of French 223.
Prerequisite: French 223 or three units of high school French.
- 241. Intermediate Oral French.** Two hours. (First semester.)
A study of the principles of French pronunciation and practice in their application, reading and writing of phonetic transcriptions, work with French phonograph records, vocabulary building and conversational practice. French majors are encouraged to elect this course simultaneously with French 223.
Prerequisite: French 122 or two units of high school French.
- 242. Intermediate Oral French.** Two hours. (Second semester.)
A continuation of French 241 with emphasis on vocabulary building and conversational practice. French majors are encouraged to elect this course simultaneously with French 224.
Prerequisite: French 241 or consent of instructor.
- 315. Advanced Composition and Reading.** Three hours. (First semester.)
A study of vocabulary, idioms, and difficult constructions. An analysis is made of the style of various modern authors, and trans-

lation and free composition form a major part of the assigned work. This course is recommended for French majors and should be elected by all those who wish to increase their power of expression in writing.

Prerequisite: French 224.

316. Advanced Composition and Reading. Three hours. (Second semester.)

A continuation of French 315.

Prerequisite: French 315.

***327. Seventeenth Century Literature.** Three hours. (First semester.)

A course designed to show the development, spirit, and characteristics of French classicism through a study of the great comedies of Moliere and the theatre of Corneille.

Prerequisite: French 224.

***328. Seventeenth Century Literature.** Three hours. (Second semester.)

A continuation of French 327.

A study of the theatre of Racine and a presentation of selected works of Descartes, Pascal, and other earlier prose classicists, together with those of LaFontaine, Boileau, and others of the Golden Age of French literature.

Prerequisite: French 224.

355. French Civilization and Culture. Three hours. (First semester.)

A survey of the origins and main aspects of French culture from prehistoric to modern times. As far as possible this course will be conducted in French and full language credit will be given.

Prerequisite: At least one semester of Oral French.

361. Advanced Oral French. Two hours. (First semester.)

A course in advanced problems of French pronunciation and in advanced conversation on selected topics. Recommended for French majors.

Prerequisite: French 224 or consent of instructor.

362. Advanced Oral French. Two hours. (Second semester.)

A continuation of French 361. Recommended for French majors.

Prerequisite: French 361 or consent of instructor.

435. Nineteenth Century Literature. Three hours. (First semester.)

A presentation of the French romantic movement as exemplified in the poetry, drama, and the novel of the period. Representative works of Chateaubriand, Lamartine, de Vigny, Victor Hugo, de Musset, and others are assigned for intensive and extensive reading and interpretation.

Prerequisites: French 224 and consent of instructor.

*Will not be given in 1948-1949.

- 436. Nineteenth Century Literature.** Three hours. (Second semester.)
A continuation of French 435.

A presentation of realistic fiction from Balzac to Flaubert, Maupassant, and Zola, and of realism in the theatre. Selected poems of Baudelaire, the Parnassians, and the Symbolists are also studied intensively.

Prerequisite: French 224 and consent of instructor.

- 455. Special Topics.** Two to four hours. (First semester.)

A course designed only for advanced students who have sufficient preparation in French to make investigation and to do constructive work in phases of the language or literature which have an especial interest for them.

Prerequisite: Consent of instructor.

- 456. Special Topics.** Two to four hours. (Second semester.)

Prerequisite: Consent of instructor.

- 495H. Readings for Honors in French.** Four hours. (First semester.)
Staff.

Open only to French majors who have a general average of 2.3 or above and 2.5 or better in French.

Readings, conferences and monthly written examinations. The student may select his field in consultation with members of the department.

Consult page 139 for rules and general information.

- 496H. Readings for Honors in French.** Four hours. (Second semester.)
Staff.

A continuation of 495H. Both courses must be taken in order to receive Honors credit.

GEOLOGY

(DIVISION OF SCIENCES)

Associate Professor Janssen

Courses in geology are designed to acquaint the student with the nature of the earth and the physical forces which are constantly altering its surface, including an appreciation of the age-long development of life on earth and an understanding of the rocks and minerals upon which man's modern way of life depends.

Students desiring to major in geology must complete at least 26 semester hours within the department, attaining a grade of C or better in each of the courses taken.

Specialization in geology may lead to either the A. B. or B. S. degree, but specific requirements differ according to which degree is to be obtained. It is usually more desirable, however, that geology majors obtain the B. S. degree because the curriculum includes wider study in the related fields of science than does that for the A. B. degree. It is

essential, therefore, that beginning students consult at once with the department head so that their individual curriculum leading to one degree or the other can be planned with the greatest facility. The following courses should be taken by all geology majors irrespective of which degree is to be obtained, in addition to other courses listed under the "General and Specific" requirements for the respective degrees as outlined on foregoing pages of this catalogue.

Curriculum for Geology Majors

Geology 200, 300, and 310	10 hours
Geology, additional 300-499 courses	16 "
Chemistry	8 "
Botany 203 or 209 and Zoology 211	8 "
Economics 109 or 241	2-3 "
French or German	12 "
Geography 320	3 "
Political Science 101 or 102	2 "

In addition to the requirements listed above, the following are recommended as electives for geology majors, particularly if a future graduate degree in geology is anticipated:

Botany 404	5 hours
Engineering 110 and 201	2-4 "
English 377	3 "
French or German (one not taken under specific requirements)	12 "
Geography 203 and 205	3-6 "
Journalism 307	3 "
Physics (required for B. S. degree)	8 "
Political Science 201 and 202	3-6 "
Psychology 418	3 "
Sociology 301	3 "
Speech 207, 305 and 306	2-8 "
Statistics 317	3 "
Zoology 212, 302 and 402	3-9 "

GEOLOGY

COURSES OF INSTRUCTION

A \$2.00 science fee is charged for laboratory courses taken. This is payable to the Financial Secretary following registration.

- 200. General Introductory Geology.** Four hours. (First and second semesters.) (Formerly Geology 225.)

A study of the origin and nature of the earth and the common rocks and minerals comprising it; geological processes which make and alter the rocks and land surfaces; agents of erosion,

mountain-building, volcanoes, earthquakes, glaciers, caverns, formation and conservation of soil.

Field trips and laboratory. Science fee \$2.00.

No prerequisites.

- 300. Historical Geology.** Three hours. (Second semester.) (Formerly Geology 312.)

A study of the geological development of the earth; the building and destruction of continents, changing seas, sequence of the rock formations, and evolution of life on earth, leading to an understanding of the immensity of time and change involved in bringing the earth to its present state.

Prerequisite: Geology 200.

- 303. Introductory Meteorology.** Three hours. (First semester.) (Formerly Geology 211.)

A study of weather and climate, the phenomena and physics of the atmosphere. Presents the elementary principles required for an understanding of daily weather changes, the reading of weather maps, and forecasting.

No prerequisite, but courses in physics or chemistry helpful.

- 310. Map Reading and Interpretation.** Three hours. (First semester.)

Study and practice in the use, reading and interpretation of map projections, topographic, contour maps and aerial photographs. Essential to any problem dealing with the use of the land, particularly in respect to geologic field work, engineering projects, land administration, conservation, transportation and military tactics.

- 314. Mineralogy.** Three hours. (First semester.)

The study and determination of minerals by their physical characteristics and chemical properties; their origin, occurrence and economic uses.

Lecture 2 hours; laboratory 2 hours. Science fee \$2.00.

Prerequisite: Geology 200 or consent of instructor.

- 315. Geology of West Virginia.** Three hours. (First semester.)

A study of the surface topography, land features, stream drainage, rock formations, mineral and rock resources, and geologic history of West Virginia.

Prerequisite: Geology 200 or consent of instructor.

- 318. Paleontology.** Three hours. (First semester.)

A study of fossil animal life of the past; its evolution, development and dominance during the geologic ages. From simple, single-celled animals through shellfishes, fishes, amphibians, reptiles, sea serpents, dinosaurs, birds, mammals, to the various races of fossil man.

Prerequisite: Geology 200 or courses in Zoology.

- 321. Petrology.** Three hours. (Second semester.)
A study of the classification and determination of igneous, sedimentary and metamorphic rocks; their origin, occurrence and economic or geologic uses.
Lecture 2 hours; laboratory 2 hours. Science fee \$2.00.
Prerequisite: Geology 200.
- 322. Economic Geology.** Three hours. (Second semester.)
A study of the nature, origin, distribution and uses of the commercially valuable mineral and rock resources of the world.
Prerequisite: Geology 200.
- 350. Geology of the United States.** Three hours. (Second semester.)
A cultural study of the land features and scenery of America leading to an understanding of its varied geographical and physio-graphical areas, with particular attention to national parks and monuments.
No prerequisite.
- 400. Special Topics in Geology.** One to four hours. (First and second semesters.)
Special problems, topics or research in geology. For geology majors and minors only.
Prerequisites: Ten hours of geology.

GERMAN

(DIVISION OF HUMANITIES)

Assistant Professor Lieberman

Associate Professor Weiss

The courses offered by the German Department aim to give the student a thorough knowledge of the German language and its grammar in order that he may be able to speak, read, write, and understand the original text without consulting a dictionary. They also provide the student with an intimate acquaintance and appreciation of German history, literature, philosophy, art, music, and science which are essential to an individual who desires a liberal or professional education.

German majors must have twenty-six hours of the courses listed below.

NOTE: Prerequisites for the new student may be affected by the results of placement tests.

- 101. First Year German.** Three hours. (First and second semesters.)
Grammar, pronunciation, syntax, conversation, and translation of easy texts.
No credit for 101 without 102.
- 102. First Year German.** Three hours. (First and second semesters.)
A continuation of German 101.
Prerequisite: German 101 or one unit high school German.

- 203. Intermediate German.** Three hours. (First and second semesters.)
A brief review of grammar, syntax, conversation, reading, translation of easy texts from Keller and Lessing. A series of lectures covering the important literary and philosophical movements represented by Humanism, Barock, and Enlightenment.
Prerequisite: German 102 or equivalent.
- 204. Intermediate German.** Three hours. (First and second semesters.)
A continuation of German 203.
Prerequisite: German 203.
- *301. Drama of the Eighteenth, Nineteenth and Twentieth Centuries** (First semester.)
A detailed study of the dramas of Lessing, Schiller, Goethe, Kleist, Grillparzer, Hebbel, Hauptmann, and Werfel and their philosophical implication.
- *302. Novels of the Eighteenth, Nineteenth and Twentieth Centuries.** (Second semester.)
A study of the novels and short stories of Goethe, Schiller, Kleist, Grillparzer, Raabe, Stifter, Auerbach, Keller, Meyer, Storm, Hauptmann, and Thomas Mann and Werfel.
Prerequisite: German 301 or equivalent.
- 305. Advanced Grammar.** Two hours. (First semester.)
A thorough review of grammar, syntax, and writing letters.
Prerequisite: German 204 or equivalent.
- 306. Advanced Grammar.** Two hours. (Second semester.)
Writing of themes and papers on contemporary topics; reading modern German newspapers and periodicals.
Prerequisite: German 305 or equivalent.
- 309. Conversation.** Two hours. (First semester.)
Conversation and discussion of simple topics.
Prerequisite: German 204 or equivalent.
- 310. Conversation.** Two hours. (Second semester.)
Discussion of contemporary incidents based on the reading of German newspapers and periodicals.
Prerequisite: German 309 or equivalent.
- 313. Scientific German.** Three hours. (First semester.)
Reading and translation of easy texts in the fields of chemistry, biology, zoology, physics, and medicine.
Prerequisite: German 204 or equivalent.
- 314. Scientific German.** Three hours. (Second semester.)
Reading and translation of difficult and original texts in the fields of chemistry, zoology, physics, and engineering.
Prerequisite: German 313 or equivalent.

*Will not be given in 1948-1949.

***317. Survey of German Literature.** Three hours. (First semester.)

From the beginning to 1750. A study of the important literary documents of the Old High German, Middle High German, and New High German periods up to Klopstock, with stress on the Nibelungen, Gudrun, Walter von der Vogelweide, Wolfram von Eschenbach and Gottfried von Strassburg.

Prerequisite: German 204 or equivalent.

***318. Survey of German Literature.** Three hours. (Second semester.)

From 1750 to the present. An appreciative study of the works of the representatives of the important literary movements such as Herder, Wieland, Lessing, Schiller, Goethe, Kleist, Grillparzer, Hebbel, Heine, Raabe, Stifter, Meyer, Anzengruber, Gerhart Hauptmann, Wassermann, and Thomas Mann.

Prerequisite: German 317 or equivalent.

***407. Goethe's Faust.** Three hours. (First semester.)

Reading of Part I. A consideration of the historical background and Faust legend, a study of Goethe's life and works as related to Faust.

Prerequisite: Three years of German or by special permission.

***408. Goethe's Faust.** Three hours. (Second semester.)

Reading of Part II, supplemented by lectures which will indicate the philosophical views of the poem and its influence on contemporary (and subsequent) authors.

GREEK**(DIVISION OF HUMANITIES)**

Professor Whitsel

The Department of Greek serves those students who wish a knowledge of Greek for purely cultural purposes as well as those who intend to use it as a tool in science or theology.

201. First Year Greek. Three hours. (First semester.)

The Greek language; translation of simple selections; study of Greek derivatives in English.

No credit for 201 without 202.

202. First Year Greek. Three hours. (Second semester.)

A continuation of Greek 201.

Prerequisite: Greek 201 or consent of instructor.

***301. Selections from Homer.** Three hours. (First semester.)

The Greek epic; mythological background of the Iliad.

Prerequisite: Greek 202 or consent of instructor.

***302. Selections from Homer.** Three hours. (Second semester.)

A continuation of Greek 301.

*Will not be given in 1948-1949.

303. **Selections from Greek Tragedy.** Three hours. (First semester.)
Reading of plays of Aeschylus and Sophocles.
304. **Selections from Greek Tragedy.** Three hours. (Second semester.)
A continuation of Greek 303.
335. **Hellenic Civilization.** Three hours. (First semester.)
(Formerly Civilization 335.)
A study of Greek life and thought from earliest times to the Roman conquest. The course offers students an opportunity to understand the achievements of the Greeks and their genius, as well as their contribution to modern civilization. Illustrated lectures on archaeology and selections from Greek literature add to the interest.
No knowledge of Greek required.
Does not count toward completion of foreign language requirement.

HISTORY

(DIVISION OF SOCIAL SCIENCES)

Professors Toole, Klinger, Heath
Associate Professors Moffat, Brown
Assistant Professor Chapman

REQUIREMENT FOR THE HISTORY MAJOR

32 Semester Hours

Modern European History, 221-222.

Survey of American History, 311-312-313.

Suggested courses in Other Departments:

The Social Sciences (psychology, sociology, philosophy, economics, political science.)

American Literature.

COURSES OF INSTRUCTION

105. **English History to 1660.** Three hours. (First and second semesters.)

From Anglo-Saxon times through the period of Civil Wars between Stuarts and Parliament, and the unfortunate years of Republic, or Commonwealth and Protectorate (Oliver Cromwell). England has developed, the hard way, her legal and political institutions and her nationalism.

History 105 and 106 are a necessity for pre-law students, excellent for those interested in English literature, and good for those caring to understand the forces of modern democracy.

106. **English History since 1660.** Three hours. (First and second semesters.)

A survey and explanation of the growth of England, from the Restoration of Charles II (1660), into the democracy-parliamentary, industrial, social, and imperial,—of the twentieth century. Its constant relationship with the history of continental Europe is emphasized.

- 207. History of West Virginia and the Trans-Allegheny Frontier.** Three hours. (First and second semesters.)

A complete survey of the Virginia Background and a study of the origins and development of the state and area.

Open to freshmen.

- 219. Early European History: from Earliest Times to the Fifth Century, A. D.** Three hours. (First semester.)

The history of the ancient Mediterranean World;—or the story of the ancient nations, from the rise of old Egypt, Babylonia, and Greece, to the decline and fall of the Roman Empire in the West in the Fifth Century A. D. Especial emphasis is placed upon the historical forces and factors that created those great classic civilizations.

Open to freshmen.

- 220. European History, 400-1500 A. D.** Three hours.

A study of the life, culture, and institutions of Western Europe during the period before 1500 A. D. Open to freshmen.

- 221. Modern Europe, 1492-1815.** Three hours. (First and second semesters.)

A general survey of the period from the revolutions that usher in modern Europe to the revolutions (the French and the Industrial) that form the background of nineteenth century Europe.

Open to second-semester freshmen.

- 222. Modern Europe since 1815.** Three hours. (First and second semesters.)

A survey of nineteenth and twentieth century Europe, emphasizing the influence of the French and the Industrial Revolutions, the growth of democracy, nationalism and imperialism, the causes and results of World Wars I and II.

Open to second-semester freshmen.

- 301. Hispanic America.** Three hours. (Second semester.)

A survey of the origins and development of social, economic, educational, religious, and political institutions. Emphasis is placed on the National Period, with special attention given to the relations of the Hispanic American countries with the United States.

- 308. Social and Economic History of the South.** Three hours.

A survey of the historical development of ideas and institutions peculiar to the South and their influence on the life of the nation.

- 309. Social and Economic History of the West.** Three hours.

A study of the western movement and the influence of the frontier on the development of American institutions.

- 311. American History, 1492-1789.** Three hours. (First and second semesters.)

A study of the background, settlement, and development of the colonies, including a comparative study of colonial institutions. Emphasis is placed on the revolutionary period and the new state and national constitutions.

- 312. American History, 1789-1865.** Three hours. (First and second semesters.)
A study of the early national period, showing the territorial expansion, the institutional development, and the controversies leading to the Civil War.
- 313. American History since 1865.** Three hours. (First and second semesters.)
A study of the social, economic, and political development of the people of the United States from the Civil War to the present.
- 375. The Far East.** Three hours.
A study of the history of China, Japan, and India, with emphasis on their recent development.
- 402. American Diplomacy.** Three hours. (First semester.)
A survey of the principles and policies guiding American diplomacy in its various stages of development, the methods used, and the activities and influence of American leaders.
- 420. Makers of European History.** Three hours.
A biographical approach to history. A careful study of a number of men and women who have strongly influenced the history of their ages.
- 421. The Era of the Renaissance and the Reformation.** Three hours. (First semester.)
A study of the social, economic, political, religious, and especially cultural changes in Western Europe during the period 1300-1600 A. D.
Seniors and graduates only.
- 422. The French Revolution and the Napoleonic Era.** Three hours. (Second semester.)
A careful study of the causes, progress, and general results of the French Revolution to 1815.
Seniors and graduates only.
- 425. European History, 1814-1914.** Three hours. (First semester.)
A detailed study of selected problems of European History in the nineteenth century.
Seniors and graduates only.
- 426. European History, 1914 to the Present.** Three hours. (Second semester.)
A careful study of selected problems of twentieth century Europe. Emphasis on the causes and results of World Wars I and II.
Seniors and graduates only.
- 427. Russia in the 19th and 20th Centuries.** Three hours. (Formerly History 376.)
A study of the life and institutions in Russia under the Czars that led to the revolution and the present regime, with emphasis on the recent internal developments and their influences on the modern world.

432. American History since 1914. Three hours.

A detailed study of America's recent participation in world affairs, and the internal changes and developments since World War I.

JOURNALISM

(DIVISION OF SOCIAL SCIENCES)

Professor Pitt

Instructors Lee, Ball

The Department of Journalism offers professional training for a major in journalism. A major must have a minimum of 38 hours of journalism according to his field of specialization, approved by the journalism faculty, and a broad background in the arts, sciences and humanities. His complete schedule should be approved by the journalism faculty each semester.

A number of courses are also offered for students who are not majors, but who wish to do supplementary work in journalism.

Each student registered in a journalism course is assessed a laboratory fee of \$3.00 each semester to defray costs of subscriptions to metropolitan daily newspapers which are filed daily and made available to all students in the department.

REQUIREMENTS FOR JOURNALISM MAJORS

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
*Business Administration 103	2	Journalism 210-211	6
Economics	3	Journalism 301-302	8
History 313	3	Journalism 306	3
Political Science 201-202	6	Journalism 304-305 or	
Psychology 201	4	Journalism 308-309	4
Sociology 300	3	Journalism 402	3
Journalism 101	2	Journalism 405	2
Journalism 201-202	8	Journalism 410-411	2

CURRICULUM FOR JOURNALISM MAJORS**First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Foreign Language	3	Foreign Language	3
Mathematics	3	Science (Arts & Science Courses)	4
Speech 101	2	Speech 102	2
Physical Education 113	1	Physical Education 114	1
Journalism 101	2	**Social Science	3
*Business Administration 103	2		
	16		16

*Required of journalism majors who cannot type efficiently.

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 205	2	English 206	2
Foreign Language	3	Foreign Language	3
Science (Arts & Science course)	4	Science (Arts & Science course)	4
Journalism 201	4	Journalism 202	4
**Social Science	3	**Social Science	3
	<hr/> 16		<hr/> 16

Third Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 341 or 342	3	Journalism 211	3
Journalism 210	3	Journalism 302	4
Journalism 301	4	Journalism 405	2
Science (Arts & Science course)	4	**Social Science	8
**Social Science	3		
	<hr/> 17		<hr/> 17

Fourth Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
Journalism 306	3	Journalism 402	3
Journalism 304 or 308	2	Journalism 305 or 309	2
Journalism 410	1	Journalism 411	1
Electives	9	Electives	9
	<hr/> 15		<hr/> 15

*Required of journalism majors who cannot type efficiently.

**The hours in social science should be selected from political science, history, economics, philosophy, psychology and sociology. Consult the Specific Requirements for the bachelor's degree in the bulletin of the College of Arts and Sciences.

The social science courses listed under Requirements also meet all requirements of the College of Arts and Sciences under that group with the exception of two hours in psychology, sociology or philosophy. Social Sciences are so listed under Curriculum to allow the student latitude in scheduling.

101. Survey of Journalism. Two hours. (First and second semesters.)

A study of the elementary principles of journalism as exemplified by leading American newspapers.

For students who have not studied journalism or had newspaper experience.

201-202. Reporting. Four hours each. (First and second semesters.)

Theory and practice in gathering and writing news.

210-211. History of American Journalism. Three hours each. (First and second semesters.)

- 301-302. Copy Reading, Editing.** Three hours each. (First and second semesters.)
Theory and practice in writing headlines, editing copy, and makeup.
Open to students who have had Journalism 201-202 or their equivalent.
- 304-305. Editorial Writing.** Two hours each. (First and second semesters.)
A study of contemporary editorials and practice in writing editorials.
- 306. Advanced Reporting.** Three hours. (First semester.)
The theory of reporting for small city dailies with practice in covering specific assignments and writing for publication.
Prerequisites: Journalism 201-202 or their equivalent.
- 307. Special Articles.** Three hours. (Second semester.)
A study of contemporary magazine and newspaper articles and practice in writing factual articles for publication.
- 308-309. Feature Writing.** Two hours each. (First and second semesters.)
Practice in writing news features for publication in local newspapers.
- 320-321. Book Reviewing.** Two hours. (First and second semesters.)
A study of modern literary criticism and practice in writing reviews.
- 335. House Organ Writing, Editing, and Makeup.** Three hours. (First semester.)
An examination of contemporary house organs covering publication practices, costs, layout, editing, and writing.
- 336. Trade Journal Writing and Editing.** Three hours. (Second semester.)
A detailed study of contemporary trade journals with practice in specialized writing for trade journal publication.
- 341. Psychology of News Interest.** Two hours. (First semester.)
A classification of news with analyses of the effects of various types of news and the reasons for their publication.
- 353. Special Departments.** Two hours. (First semester.)
A detailed study of the specialized work of various departments of American newspapers.
- *355. News Photography.** Two hours. (First semester.)
A study of methods in taking pictures for newspapers with practice of photography, developing, and printing.
Prerequisites: Journalism 201-202 or their equivalent.

*Will not be given in 1948-1949.

- 356. News Photography.** Two hours. (Second semester.)
Continuation of Journalism 355.
Prerequisite: Journalism 355 or consent of instructor.
- 381. Newspaper Advertising Practices.** Four hours. (First semester.)
The fundamentals of advertising as applied to newspapers. A study of advertising campaigns, public appeal, and costs.
All students enrolled in this course are required to make a laboratory tour of Cincinnati or a similar city and to attend luncheons of the Huntington Advertising Club frequently. Total estimated cost will approximate \$14.00.
- 382. Advertising Copy and Layout.** Four hours. (Second semester.)
A study of copy and layouts, especially as applied to newspapers. Practical experience in advertising departments of local firms and newspapers. Emphasis on writing.
All students enrolled in this course are required to make a laboratory tour of Cincinnati or a similar city and to attend luncheons of the Huntington Advertising Club frequently. Total estimated cost will approximate \$14.00.
- 402. Law of the Press.** Three hours. (Second semester.)
A technical case study of laws pertaining to the press.
- 405. Ethics of Journalism.** Two hours. (Second semester.)
An examination and description of newspaper practices from an ethical point of view.
- 410. Journalism Seminar.** One hour. (First semester.)
For journalism majors only.
- 411. Journalism Seminar.** One hour. (Second semester.)
For journalism majors only.
- 420-421. Radio News Editing.** Three hours each. (First and second semesters.)
Theory and practice in compiling and editing news for radio broadcasting.

LATIN

(DIVISION OF HUMANITIES)

Professor Whitsel

The Department of Latin has cultural as well as practical aims. Through a study of the Latin language and its literature, the student is enabled to understand the life, history, government, and art of these people whose civilization has so largely influenced ours. Latin also provides a foundation for the comprehension of English grammar, an opportunity to enlarge the English vocabulary through study of the Latin stems which form our words, and increased facility in expres-

sion through practice and translating into clear and idiomatic English. In addition, Latin is of great assistance as a background for modern Romance languages. There are courses in English for those who wish to know something of this civilization without studying the language.

A major in Latin consists of at least 26 hours, no more than 6 of which may be counted from courses in the 100 group. Courses given in English are advised as valuable, but cannot be counted in fulfilling the minimum major requirement.

In case of new students, prerequisites may be affected by results of placement tests. (See page 138 of this catalogue.)

111. First Year Latin. Three hours. (First semester.)

A course designed for students who begin Latin in college. Essentials of grammar; reading of selections from Latin authors; a study of the relation of Latin to English and the Romance languages; specialized study for those who wish to carry on later courses in medicine and law.

No credit for 111 without 112.

112. First Year Latin. Three hours. (Second semester.)

A continuation of Latin 111.

Prerequisites: Latin 111 or one unit of high school Latin.

115. Caesar: Gallic Wars. Three hours. (First semester.)

A review of Latin grammar in connection with reading of Caesar's Commentaries and the study of the technique of translation.

Prerequisite: Latin 112 or one and one-half units high school Latin.

203. Cicero: Orations. Three hours. (First semester.)

The orations of Cicero and their relation to the problems of the Roman state; the style of the oration.

Prerequisites: Latin 115 or two units of high school Latin.

204. Cicero: de Amicitia; de Senectute. Three hours. (Second semester.)

The philosophical essay in contrast to the oration.

Prerequisites: Two units of high school Latin.

214. Vergil's Aeneid I-VI. Three hours. (First semester.)

An introduction to the study of Latin poetry through one of the world's greatest epics.

Prerequisites: Two units of high school Latin.

***301. Latin Vocabulary Building.** Two hours. (First semester.)

A course directed toward the improvement of the student's ability to translate Latin by attention to vocabulary drill and formation of words.

Prerequisites: Two units of high school Latin or Latin 115.

*Will not be given in 1948-1949.

- *306. Selections from Horace.** Three hours. (First semester.)
The study of the poetical forms used by Horace and his philosophy of life as reflected in his poetry.
Prerequisites: Four units of high school Latin or consent of instructor.
- *307. Cicero: Selections from His Letters.** Three hours. (Second semester.)
The life of the statesman and his times as portrayed in his letters.
Prerequisites: Four units of high school Latin or consent of instructor.
- *309. Livy: Selections from His History.** Three hours. (First semester.)
The history of Rome told by the leading historian of his day.
Prerequisites: Four units of high school Latin or consent of instructor.
- 311. Studies in Elegiac Poetry.** Three hours. (Second semester.)
A phase of the Augustan Age as shown in interesting poetic form.
- 312. Tacitus: Annals.** Three hours. (Second semester.)
The famous historian of the first century A. D. The gradual breakdown of the Senate and the establishing of the Empire.
- 319. Mythology.** Two hours. (Formerly Civilization 318.)
The mythology of the Greeks and Romans with attention to art and literary appreciation.
No knowledge of Latin required. Does not count toward completion of foreign language requirements.
- *322. Latin Literature in Translation.** Two hours. (Formerly Civilization 320.)
A survey of Latin literature in translation with especial attention to ancient literary forms and their relation to modern works.
No knowledge of Latin required. Does not count toward completion of foreign language requirements.
- 327. Advanced Prose Composition.** Three hours. (First semester.)
Review of grammar and syntax; practice in Latin writing; a study of stylistic qualities of Latin writers.
- 336. Roman Civilization.** Three hours. (Second semester.) (Formerly Civilization 336.)
A study of Roman history from earliest times to the medieval period with emphasis on the political, economic and social development of the Roman state and the contribution of Rome to western civilization.
No knowledge of Latin required. Does not count toward completion of foreign language requirements.

*Will not be given in 1948-1949.

- 401. Pliny, Martial, Juvenal.** Three hours. (Second semester.)
A study of social life in the first century and the development of Roman Satire as a literary form.
- 402. Vergil's Aeneid VII-XII.** Three hours. (Second semester.)
The story of the experiences of Aeneas in Italy. The Aeneid as epic poetry; selections from the Eclogues and the Georgics to round out the student's conception of Vergil as an artist.
- *403. The Roman Stage.** Three hours. (Second semester.)
The comedies of Plautus and Terence; study of the dramatic form and its relation to later comedy; the relation of comedy's colloquial Latin to modern Romance languages.
- 410. Selected Readings in Latin Literature.** Three hours.
A course in rapid reading in the field of Latin literature with special attention to authors, both prose and poetry, not met in other specialized courses.
Primarily for juniors and seniors.
- 495H. Readings for Honors in Latin.** Four hours. (Second semester.)
Open only to Latin majors who have a general average of 2.3 or better and 2.5 or better in Latin.
Readings, conferences and monthly written examinations. The student may select his field in consultation with members of the department.
Consult page 139 for rules and general information.
- 496H. Readings for Honors in Latin.** Four hours. (Second semester.)
A continuation of 495H. Both courses must be taken in order to receive Honors credit.

MATHEMATICS

(Division of Sciences)

Professor Barron

Associate Professor Sterrett

Assistant Professors Goins, Bragonier

Instructors Hardman, Land, Lynch, White, Wright, Knifley, Gutzwiller

Mathematics Major—12 hours beyond the Integral Calculus.

Placement Examination—A student who registers for algebra, without previous college training in the subject, is required to take a placement examination. This examination will be given during the third week of the semester after a short review period. The student will simply register for a section of algebra and will later be placed in Math. 50, 120, or 223; according to his attainment on

*Will not be given in 1948-1949.

the examination. Math. 50 will entitle the student to no college credit; Math. 120, Intermediate Algebra, and Math. 223, College Algebra, both carry college credit. For engineering students and some science students Math. 120 will carry college credit but since further mathematics is required the student will need to spend a longer time studying mathematics if it is necessary for him to take the course in Intermediate Algebra. It is obviously to the student's advantage to reach the highest possible level in the placement test.

COURSES OF INSTRUCTION

- 50. Algebra.** No credit. (First and second semesters.)
Meets five days a week.
Complete review of first year high school algebra through simple quadratic equations.
- 120. Algebra.** Three hours. (First and second semesters.)
Exponents and radicals, quadratic equations, ratio, proportion and variation, logarithms, binomial theorem, progressions.
Prerequisite: Math. 50 or the equivalent as shown by the placement examination.
- 121. Solid Geometry.** Three hours. (First and second semesters.)
Planes, polyhedrons, cylinders, cones and spheres. Not open to students offering the subject for entrance.
Prerequisites: Math. 50, or one unit of high school algebra; plane geometry, one unit.
- 122. Trigonometry.** Three hours. (First and second semesters.)
Trigonometric functions, graphs, solution of triangles, inverse trigonometric functions, trigonometric equations.
Prerequisite: Math. 120 or the equivalent as shown by the placement examination.
- 150. Selected Topics in Mathematics.** Three hours. (First and second semesters).
Offered for those who can only devote three hours to the study of mathematics in college. Fundamentals of arithmetic and algebra, with emphasis in the latter, on exponents, logarithms, and progressions, for a study of selected topics in mathematics of investment.
Prerequisite: One unit of high school algebra.
- 223. College Algebra.** Three hours. (First and second semesters.)
Compiles numbers, inequalities, advanced topics in quadratic equations, theory of equations, mathematical induction, determinants, permutations, combinations, and probability.
Prerequisite: Math. 120 or the equivalent as shown by the placement examination.

- 224. Analytic Geometry.** Four hours. (First and second semesters.)
Cartesian coordinates, straight lines, conic sections, higher plane curves, polar coordinates, parametric equations, introduction to solid analytic geometry.
Prerequisites: Math. 122 and 223.
- 230. College Geometry.** Three hours. (First and second semesters.)
Recent geometry of the triangle and circle studied by Euclidean methods; problems in ruler and compass constructions. A problem course in advanced plane geometry which is of special value to those who are training to teach high school mathematics.
Prerequisite: Math. 122.
- 255. Solid Analytic Geometry.** Three hours. (Formerly Math. 421.)
The point, plane, straight line, surfaces and curves referred to coordinate systems in space.
Prerequisites: Math. 223 and 224.
- 325. Differential Calculus.** Four hours. (First and second semesters.)
Variables, functions, limits, differentiation with applications, introduction to integration with applications, indeterminate forms.
Prerequisite: Math. 224.
- 326. Integral Calculus.** Four hours. (First and second semesters.)
Methods of integration, applications of definite integrals, approximate integration, introduction to infinite series, expansion of functions.
Prerequisite: Math. 325.
- 327. Selected Topics in Differential and Integral Calculus.** Three hours.
(Second semester)
This course supplements the usual year course given in Differential and Integral Calculus. It includes such topics as curve tracing, partial differentiation, multiple integrals, hyperbolic functions, and infinite series.
Prerequisites: Math. 326 or concurrent registration.
- 331. Theory of Equations.** Three hours. (First semester.)
(Formerly Math. 431)
Complex numbers, polynomials, solution of cubic and quartic equations, graphing, isolation of real roots of an equation, solution of numerical equations.
Prerequisite: Math. 325 or concurrent registration.
- 332. Theory of Equations.** Three hours. (Second semester.)
A continuation of Math. 331. Determinants, systems of linear equations, symmetric functions, elimination, resultants, discriminants, introduction to the theory of matrices.
Prerequisite: Math. 331.

- 425. History of Mathematics.** Two hours. (First semester.)
Prerequisite: Twelve hours of college mathematics.
- 427. Advanced Calculus.** Three hours. (First semester.)
The number system; theory of limits; infinite sequence; functions of real variables; derivatives, partial differentiation, with applications to differential geometry; maxima and minima of functions of several variables.
Prerequisite: Mathematics 326.
- 428. Advanced Calculus.** Three hours. (Second semester.)
A continuation of 427. Theory of definite integrals, multiple integrals, line and surface integrals, Green's theorem, transformation of multiple integrals, improper integrals, infinite series.
Prerequisite: Mathematics 255 and 427.
- 430. Vector Analysis.** Three hours.
The algebra of vectors, differential and integral calculus of vectors. Application to geometry, physics, and mechanics.
Prerequisite: Mathematics 326.
- 435. Differential Equations.** Three hours.
An exposition of methods used in solving ordinary differential equations, with applications to geometry, physics, and mechanics.
Prerequisite: Mathematics 326.
- 436. Partial Differential Equations.** Three hours.
An exposition of methods used in solving partial differential equations with applications to mathematical physics.
Prerequisite: Mathematics 435.
- 445. Introduction to the Theory of Statistics.** Three hours.
The theory and application of mathematical statistics, treating such topics as averages, measures of dispersion and skewness, frequency distributions, frequency curves, and correlation. Applications to miscellaneous practical problems.
Prerequisites: Math. 325.

PHILOSOPHY

(DIVISION OF SOCIAL SCIENCES)

Professor Beck

NOTE: No courses open to freshmen.

- 201. Introduction to Philosophy.** Three hours. (First and second semesters.)
This course is intended to introduce the student to the meaning of philosophy as a way of answering fundamental questions about the nature of reality and the higher values of life.
- 303. Ethics.** Three hours. (First semester.)
A review of the history of moral ideas and the theories followed by a study of contemporary moral problems and suggestions as to their solutions.

- 304. Logic and Scientific Methods.** Three hours. (First and second semesters.)
A study of the principles of correct reasoning and the fallacies which are to be avoided.
- 306. Esthetics.** Two hours. (First semester.)
An examination of the logical and psychological elements underlying the appreciation of different forms of art and a survey of the more important theories of art as an activity related to other human activities and interests, such as science, morality, and religion.
- *311. Survey of Ancient and Medieval Philosophy.** Three hours. (First semester.)
- 312. Survey of Modern Philosophy.** Three hours. (Second semester.)
Prerequisite: Philosophy 201 or 311.
- 315. The Development of American Philosophy.** Two hours. (First and second semesters.)
Selections from American thinkers from Jonathan Edwards to John Dewey. The analysis of ideas is accompanied by considerations as to the way American institutions have been affected by philosophical thought, and, also, how these institutions have in turn influenced individual thinkers.
- 320. Types of Religious Philosophy (Comparative Religion).** Three hours. (Second semester.)
A comparative study of the world's great religions, past and present, with a view toward a deeper understanding of the religious consciousness and culture belonging to the different civilizations of the world.
- 321. Current Philosophical Trends.** Three hours. (First semester.)
Selected readings in contemporary thought embracing such movements as pragmatism, positivism, realism and idealism.
Prerequisites: Phil. 201, 311 or 312.
- 495H. and 496H. Readings for Honors in Philosophy.** See page 72 for information.

PHYSICS

(DIVISION OF SCIENCES)

Professors Hron and Martin

Curriculum for Physics Majors for the Bachelor of Science Degree.

First Year

First Semester	Hrs.	Second Semester	Hrs.
English 101	3	English 102	3
German 101	3	German 102	3
Chemistry 201	4	Chemistry 202	4
Mathematics 223	3	Mathematics 224	4
Speech 101	2	Speech 102	2
Physical Education 113	1	Physical Education 114	1
	<hr/> 16		<hr/> 17

*Will not be given in 1948-1949.

(Those students who expect to work for the Master's degree in physics should take French 121 and 122 also. Mathematics 122 is a prerequisite for Mathematics 224.)

Second Year

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
German 203		3	German 204		3
English 205		2	English 206		2
Mathematics 325		4	Mathematics 326		4
Physics 201		3	Physics 203		3
Physics 202		2	Physics 204		2
Psychology 100		3			
		17			14

Third Year

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Zoology 211		4	Botany 209		4
Political Science 201		3	Philosophy 304		3
Economics 241		3	Economics 242		3
Physics 306		3	Physics 307		2
Geology 200		4	Sociology 300		3
		17			15

Fourth Year

<i>First Semester</i>		<i>Hrs.</i>	<i>Second Semester</i>		<i>Hrs.</i>
Mathematics 435		3	Physics 302		3
Physics 300		3	Physics 303		2
Physics 301		2	Physics 308		3
Physics 304		3	Physics 305		2
Physics 205		3	Physics 206		2
Physics 311		3	Physics 401		3
		17			15

PHYSICS**COURSES OF INSTRUCTION**

No courses open to freshmen except by permission of the department and the Dean of the College.

NOTE: A \$2.00 science fee is charged for laboratory courses taken. This is payable to the Financial Secretary following registration.

201. General Physics. Two or three hours. (First semester.)

Pre-medics take the 2-hour course only and all others take the 3-hour course.

Either two or three lectures each week. No laboratory.

Prerequisites: One year of geometry and one semester of college algebra for the pre-medics. Mathematics through analytical geometry for students of engineering and majors in Mathematics and physical sciences.

- 202. General Physics Laboratory.** Two hours. (First semester.)
Required of all students taking Physics 201.
Four hours laboratory each week.
- 203. General Physics.** Two or three hours. (Second semester.)
Either two or three lectures each week. A continuation of Physics 201.
Prerequisites: Physics 201 and 202.
- 204. General Physics Laboratory.** Two hours. (Second semester.)
Four hours laboratory each week. Required of all students taking Physics 203. A continuation of Physics 202.
Prerequisites: Physics 201 and 202.
- 205. Electronic Physics.** Three hours.
Three hours lectures and demonstrations each week.
A study of electrical phenomena, such as light, wireless, x-rays, photo-electricity, electron tubes, radio circuits, atomic structure, radio-activity, and transmutation, from the electron-proton point of view.
Prerequisite: Physics 203 and 204.
- 206. Electronics Laboratory.** Two hours.
Following or accompanying Physics 205.
Four hours in laboratory each week.
Prerequisite: Physics 203 and 204.
- 300. Electricity and Magnetism.** Three hours. (First semester.)
Three hours lecture each week. A study of the mathematical theory and practical application of direct current electricity and magnetism.
Prerequisites: Physics 203, 204, and Mathematics 326.
- 301. Electrical Measurements.** Two hours. (First semester.)
Four hours laboratory each week. Accompanies Physics 300.
Prerequisites: Physics 203 and 204, and Mathematics 326.
- 302. Electricity and Magnetism.** Three hours. (Second semester.)
Three hours lecture each week. A study of the mathematical theory and practical application of alternating current electricity and magnetism.
Prerequisites: Physics 300, 301, and Mathematics 326.
- 303. Electrical Measurements.** Two hours. (Second semester.)
Four hours laboratory each week.
Accompanies Physics 302.
Prerequisites: Physics 300, 301, and Mathematics 326.
- 304. Light.** Three hours.
Three hours lecture each week. A study of the theories and applications of light.
Prerequisites: Physics 203, 204, and Mathematics 122, 223.

- 305. Light Laboratory.** Two hours.
Four hours laboratory each week. Accompanies or follows Physics 304.
Prerequisites: Physics 203, 204, and Mathematics 122, 223.
Pre-medics are given this course by special arrangement.
- 306. Elements of Mechanics.** Three hours.
Three hours lecture each week.
A study of the theory and applications of mechanics.
Prerequisites: Physics 203, 204, and Mathematics 326.
- 307. Mechanics Laboratory.** Two hours.
Four hours laboratory each week.
Follows or accompanies Physics 306.
Prerequisites: Physics 203, 204, and Mathematics 122, 223.
- 308. Heat.** Three hours.
Three hours lecture each week. A study of the theory and applications of heat and thermodynamics.
Prerequisites: Physics 203, 204, and Mathematics 326.
- 309. Heat Measurements.** Two hours.
Four hours laboratory each week.
Accompanies or follows Physics 308.
Prerequisites: Physics 203, 204, and Mathematics 326.
Pre-medics are given this course by special arrangement.
- 311. Sound.** Three hours.
Three hours lecture each week.
A study of wave motion; origin, propagation, velocity, interference, and diffraction of sound; vibrations of strings and organ pipes; music and speech; and acoustics of buildings.
Prerequisites: Physics 203, 204, and Mathematics 122, 223.
- 312. Radio.** Three hours.
Three hours lecture each week.
A study of radio waves, radio transmitters and receivers using amplitude modulation, radio propagation and antennas.
Prerequisites: Physics 205 and 206.
- 313. Radio Laboratory.** Two hours.
Four hours laboratory each week. Accompanies or follows Physics 312.
Prerequisites: Physics 205 and 206.
- 401. Modern Physical Theories.** Three hours.
Three hours lecture each week.
A general review of modern physical theories.
Prerequisites: Physics 302, 304, and Mathematics 326.

POLITICAL SCIENCE**(DIVISION OF SOCIAL SCIENCES)**

Professors Dillon, Burnside, Harris

Associate Professor Harper

Instructor Oxley

This curriculum is open to all students who have met the regular college entrance requirements. It is strongly recommended that the 15 units prescribed for entrance include 2 units in Latin and 2 units in social sciences in addition to the required American history, civics, and mathematics.

The political science curriculum has two principal objectives, first to provide a basic understanding of the functioning of government and prepare students for democratic citizenship and second, to give a specialized foundation to those planning to enter law school, government service (foreign service, public administration), teaching, research or politics.

The special curriculum prescribed and advised for the pre-law student has two purposes in view:

The first purpose is to meet the entrance requirements of any of the standard law or graduate schools of political science, public administration and foreign service.

The second purpose is to give the student the most necessary preliminary knowledge of new words and phrases, of old terms with prescribed and limited meaning, and of such new methods of study as will enable him to undertake the technical study of law and advanced political science with a greater degree of intelligence and understanding.

This curriculum also aims to give the student a foundation for a broader cultural background for the study of law and a thorough introduction to current problems as they are related to law as a social institution. To meet this purpose carefully selected courses in accounting, economics, history, political science, philosophy, psychology and sociology are either prescribed or recommended.

In order to give special opportunities for students to familiarize themselves with the practical aspects of the legal profession, guest speakers (usually judges or lawyers) appear before the Pre-Law Fraternity every three weeks to present problems of the profession pertaining to aptitudes, education for the law and different fields of the law.

The department sponsors a chapter of the International Relations Clubs with membership open to all interested students. The club program gives an opportunity for experience in participating in forums, debates, and projects in the field of international relations.

Curriculum Preparatory for Law

First Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
English 101	3	English 102	3
Language	3	Language	3
Political Science 101	2	Political Science 102	2
History 105	3	History 106	3
Speech 101	2	Speech 102	2
Physical Education 113	1	Physical Education 114	1
	14		14

Second Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
English 205	2	English 206	2
Language	3	Language	3
Political Science 201	3	Political Science 202	3
Science	4	Science	4
(See pages 141-142)		(See pages 141-142)	
Economics 241	3	Economics 242	3
Elective	2	English	2
	17		17

Third Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
Political Science	3	Political Science 333	3
Economics 339	3	Economics 346	3
History 311	3	History 312	3
Philosophy 303 or Soc. 300	3	Philosophy 304 or Soc. 320	3
Elective	3	Elective	3
Recommended elective: Bus. Adm. 215		Recommended elective: Bus. Adm. 216	
	15		15

Fourth Year

<i>First Semester</i>		<i>Second Semester</i>	
	<i>Hrs.</i>		<i>Hrs.</i>
Political Science	3	Political Science	6
Geology 200	4	Science	4
English 377	2	Electives	5
Psychology 201	4	Recommended electives:	
Economics 443 or 444	2	Psychology 308 or	
Science	3-4	Psychology 418	
		Economics 403 or 342	
		Mathematics	3
	17-18		18

NOTE: No more than 72 hours in any one group may be counted toward graduation.

POLITICAL SCIENCE**COURSES OF INSTRUCTION**

- 101. Introductory Course.** Two hours. (First and second semesters.)

A general survey of the the basic theories and principles of the state. The chief purpose is to acquaint the student with political terminologies and the elements of governmental institutions.

- 102. Introductory Course.** Two hours. (First and second semesters.)

A continuation of 101. Although 101 is not a prerequisite it is desirable to take it prior to 102. This course is a study of the practical questions arising in connection with government.

- 200. Current Latin American Problems.** Two hours. (First and second semesters.)

Designed to survey political and economic relations between Pan-American states. Following a brief background study of the historical, cultural, geographical and economic relationship, emphasis is placed on current problems growing out of the impact of war conditions. Particular attention is given the Monroe Doctrine, the Good Neighbor Policy and the various political and economic steps taken to effect a greater Pan-American solidarity.

- 201. American National Government.** Three hours. (First and second semesters) Not open to freshmen.

An examination of the American federal system in respect to both theory and practical functioning. A study of the background and development of the Constitution is a fundamental object of this course.

- 202. American State Government.** Three hours. (First and second semesters)

This is an introductory course in state government. In addition to the general study special attention is given to the state government of West Virginia.

- 301. Municipal Government.** Three hours. (Second semester.)

This course is a study of the types of city government, charters, federal and state services to cities, the legislative or ordinance power, departmental organization, municipal courts.

Prerequisites: Political Science 201, 202.

- *303. American Political Parties.** Three hours. (First semester.)

This course is a study of political dynamics, and describes the political process as a living reality, combining structural description with functional analysis.

Parties, pressure groups, bosses, and machines are shown in motion. Party organization, primaries, corrupt practices, voting,

*Will not be given in 1948-1949.

election laws, ballots, conventions, etc., are viewed as they actually function in American society.

Prerequisites: Political Science 201, 202.

***307. Public Opinion.** Three hours. (Second semester.)

An analysis of the effect of various types of propaganda on public opinion with an examination of the technique of the various propaganda agencies.

323. American Constitutional Law. Three hours. (First semester.)

A survey of constitutional law is made by the casebook method supplemented by practical writing of moot cases, the opinions of publicists, and current material. The student has an opportunity to become acquainted with the leading cases significant to the development of American Constitutional Law and the historical background of these cases.

Prerequisites: Political Science 201, 202.

333. Public Administration. Three hours. (Second semester.)

A study of the branch of government whose function it is to put government policies into execution; the location and exercise of the general function of direction, supervision and control; the determining of the structural character or organization of the services by means of which the actual work of administration is to be performed. A further study is made of personnel, supply, and finance.

Prerequisites: Political Science 201, 202.

***405. International Relations.** Three hours. (First semester.)

Open to seniors and graduates only.

An examination of the forces motivating the conduct of nations in their relations with special consideration of the rise and development of international institutions. The approach to this study is economic and historical as well as political.

Prerequisites: Political Science 201, 202.

***406. Contemporary World Politics.** Three hours. (Second semester.)

Open to seniors and graduates only.

A study of present day currents in international affairs, with an examination of the underlying motives of national states. The place of international organizations in the post war world is given special attention. The current opinion of international political observers both American and foreign is considered.

Prerequisites: Political Science 201, 202.

***409. Parliamentary Governments.** Three hours. (First semester.) (Formerly Political Science 304.)

Open to seniors and graduates only.

An analysis of the origin, development, structure and current operation of the English, French, Swiss, and other selected democratic governments.

Prerequisites: Political Science 101, 102, or 201, 202.

*Will not be given in 1948-1949.

- *410. Modern Dictatorships.** Three hours. (Second semester.) (Formerly Political Science 304.)

Open to seniors and graduates only.

A study of the ideology, structure and operations of the totalitarian states with an effort to compare their methods with democratic procedure.

- 420. State Administration.** Three hours. (Second semester.)

Open to seniors and graduates only.

It is the purpose of this course to outline the numerous activities in which each of the forty-eight states may be expected to engage today, and to propose ways and means of organizing suitable agencies for the proper administration of these services. The actual working of these various departments will be discussed and studied from the states' reports.

Prerequisite: Political Science 202.

- *425. Early Political Theory.** Three hours. (First semester.)

Open to seniors and graduates only.

An historical survey and examination of the political theories from time of Plato to Burke with an effort to show their effect on modern political institutions.

Prerequisites: Political Science 201, 202.

- *426. Recent Political Theory.** Three hours. (Second semester.) (Formerly second half of Political Science 425.)

Open to seniors and graduates only.

A study of the ideas of leading recent political philosophers with particular emphasis on the basic ideologies of the modern democratic and totalitarian states.

Prerequisites: Political Science 201, 202.

- 495H. Readings for Honors in Political Science.** Four hours. (First semester.)

Open only to majors in political science who have an average of 2.5 in political science and a general scholastic average of 2.3 for the first three years of their college work.

Consult page 139 for rules and general information.

- 496H. Readings for Honors in Political Science.** Four hours. (Second semester.)

A continuation of 495H. Both courses must be taken in order to receive Honors credit.

*Will not be given in 1948-1949.

PSYCHOLOGY**(DIVISION OF SOCIAL SCIENCES)**

Professor Loemker

Associate Professor Van Bibber

Assistant Professor Lichtenstein

Instructors Feil and Taylor

REQUIREMENTS FOR THE PSYCHOLOGY MAJOR

Twenty-six semester hours are required for a major in psychology. Psychology 201, General Psychology, is prerequisite to all psychology courses with numbers above 201.

The following courses must be included in the major sequence:

201 General Psychology	4	hours
202 Fields of Psychology	2	"
323 Experimental Psychology	4	"
420 Mental Measurements	3	"
421 Psychological Tests	3	"
Statistics 317, Statistical Methods	3	"

COURSES OF INSTRUCTION

- 100. Introduction to Psychology.** Three hours. (First and second semesters.)

A course designed to introduce the student to the scientific study of human behavior and experience so that he will be better able to evaluate the human factor in business, industrial, political, and social life, as well as in the practice of various professions.

- 201. General Psychology.** Four hours. (First and second semesters.)

An intensive study of the general principles and methods of psychology with practice in laboratory procedures. Study of the development of the individual from conception to maturity, learning and memory, motivation and emotion, thinking and imagination, perceptual processes, intelligence and special abilities, personality.

Three lecture-discussion periods and one two-hour laboratory period each week. This course is prerequisite to all advanced courses in psychology.

- 202. Fields of Psychology.** Two hours. (First and second semesters.)

A survey of the applications of psychological methods and principles to education, business and industry, law, medicine, vocational guidance, and mental hygiene.

Prerequisite: Psychology 201.

- 216. Child Growth and Development.** Four hours. (Second semester.)

A study of the mental, emotional, and social growth of the child from birth to age six, with special attention to behavior problems arising in the adjustment of the child to the home, pre-school, and playmates. Opportunity for observation and participation in supervision of child groups.

Required in the Kindergarten-Primary Curriculum, Teachers College.

Prerequisite: Psychology 201.

- 217. Child Growth and Development, continued.** Three hours. (First semester.)

A continuation of Psychology 216, dealing with the child from age six to adolescence.

Required in the Kindergarten-Primary Curriculum, Teachers College.

Prerequisite: Psychology 216.

- 302. Social Psychology.** Three hours. (First semester.)

An introduction to the scientific study of social behavior. Consideration is given to the social nature of the individual, the influence of the culture on personality development, the role of psychological factors in conventions, customs, taboos, morals, and propaganda, and the social interrelationships in group behavior.

Prerequisite: Psychology 201.

- 307. Psychology of Adolescence.** Three hours. (Second semester.)

A study of human development during adolescence. Consideration is given to physical, social, religious, and vocational problems of adjustment characteristic of the adolescent period.

Prerequisite: Psychology 201.

- 308. Abnormal Psychology.** Three hours. (First semester.)

A study of the nature, causes, and prevalence of disorders of sensory and motor activities, memory, emotions, intelligence, and personality. Discussion of psychoses, psychoneuroses, psychopathic states, mental deficiency.

Prerequisite: Psychology 201.

- 406. Intelligence: Theories and Development.** Three hours. (Second semester.)

Open to seniors and graduates only.

A study of the nature of intelligence, individual differences in intelligence, mental levels; significance and methods of measuring intelligence; relation of intelligence to social efficiency.

Prerequisite: Six hours of psychology including Psy. 201.

- 416. Psychology of Learning.** Three hours. (Second semester.)

Open to seniors and graduates only.

A review and critical evaluation of experimental studies and generalizations in the field of learning.

Prerequisite: Six hours of psychology.

- 418. Psychology of Personnel Techniques.** Three hours. (Second semester.)

A course designed to equip the student with a working knowledge of basic techniques in personnel administration, and with an understanding of the psychological principles and methods involved. Deals with problems of employment procedures, training programs, personnel records, and human relations in business and industry.

- 420. Mental Measurements.** Three hours. (First semester.)

Open to seniors and graduates only.

Instruction and practice in the use of the Stanford-Binet Scale and other individual type tests; evaluation of test results.

Prerequisite: Nine hours of psychology or consent of instructor.

- 421. Psychological Tests.** Three hours. (Second semester.)

Open to seniors and graduates only.

Instruction and practice in the use of group tests of intelligence and abilities, and in individual and group tests of interests and personality; evaluation of test results.

Prerequisite: Psychology 420 or consent of instructor.

- 460. History and Systems of Psychology.** Three hours. (First semester.)

Open to seniors and graduates only.

A study of the development of modern psychology and of the schools which have been most prominent in the development of American psychology.

Not open to students who have had Psychology 461.

Prerequisite: Six hours of psychology.

- 490. Problems in Psychology.** One to four hours.

Open to seniors only.

Research problems of interest to the individual student.

Prerequisite: Twelve hours of psychology and consent of adviser in psychology.

- 495H. Readings for Honors in Psychology.** Four hours. (First semester.)

Open only to psychology majors, on recommendation of the head of the psychology department. Application should be filed early in the second semester of the junior year. The course includes reading, conferences, research in a field selected by the student and approved by the departmental adviser.

Consult page 139 for rules and general information.

- 496H. Readings for Honors in Psychology.** Four hours. (Second semester.)

A continuation of 495H. Both courses must be taken in order to receive Honors credit.

SOCIOLOGY**(DIVISION OF SOCIAL SCIENCES)**

Professors Hayes and Hayward

Instructors Behnke and Burdette

Subject to the general requirements of the College of Arts and Sciences, a major sequence in sociology and courses preparatory to social work is offered. Students looking forward to careers in college teaching of sociology or in fields of the constantly expanding public service and social investigation, will select courses in the junior and senior years that give a broad foundation in social theory and some practice in social research. Those who wish to prepare for the work with social agencies, public welfare departments, juvenile courts, recreation centers, youth agencies, etc., will select in the junior and senior years social work courses in the department of sociology and allied courses in the departments of psychology, home economics, and physical education.

The program and sequence of courses here outlined are subject to alteration and change according to the individual needs. In all cases majors should consult with members of the department of sociology concerning their plans and interests not later than the beginning of the sophomore year.

SOCIOLOGY CURRICULUM**First Year**

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 101	3	English 102	3
Geography	3	Math. 120, 122, 223, or 150	3
Sociology 132	2	Sociology 232	2
Speech 101	2	Speech 102	2
Foreign Language	3	Foreign Language	3
Physical Education 113	1	Physical Education 114	1
	<hr/> 14		<hr/> 14

Second Year

<i>First Semester</i>	<i>Hrs.</i>	<i>Second Semester</i>	<i>Hrs.</i>
English 205	2	English 206	2
Sociology 300	3	Sociology 301	3
Political Science 201	3	Political Science 202	3
Foreign Language	3	Foreign Language	3
Science	4	Science	4
(See pages 141-142)		(See pages 141-142)	
Physical Education 316	1	Physical Education 307 or 308	1
	<hr/> 16		<hr/> 16

Third Year

<i>First Semester</i>		<i>Second Semester</i>	
English 203	Hrs. 3	Sociology 320	Hrs. 3
Sociology 311	3	Sociology 308	3
Sociology 315	2	Psychology 201	4
Economics 241	3	History 312 or 309	3
Zoology 307	3	Electives	4
Psychology 307	3		
Physical Education 308-307	1		
	18		17

Fourth Year

<i>First Semester</i>		<i>Second Semester</i>	
English 341	Hrs. 3	Sociology 403	Hrs. 4
Sociology 401	3	Sociology 421 or 408	3
Sociology 412	3	Psychology 308	3
Philosophy 303	3	Science	3-4
Science	4	Mathematics	4-3
	16		17

SOCIOLOGY**COURSES OF INSTRUCTION**

- 132. Rural Sociology.** Two hours. (First and second semesters.)
A study of the structure and development of rural society, town and country relationships, communication and socialization agencies, national and local rural life policies, rural leadership, and rural institutional development.
- 232. Urban Sociology.** Two hours. (Second semester.)
A study of the structure and development of urban society, of urban social types, of the special social pathologies of city life, and a consideration of urban influence upon progress.
- 300. Outlines of Sociology.** Three hours. (First and second semesters.)
A study of group development and group activity that will assist the student to a better understanding of human society and its significance. Important theories and terms of sociology will be applied in studying the processes by which society functions; in considering cultural change, and in the treatment of many social problems. The student will be helped to think clearly and constructively on what a sound social order means to mankind.
Not open to freshmen.
- 301. Cultural Anthropology.** Three hours. (Second semester.)
Analysis of the culture of various primitive groups, the development of family religion, language, law, custom, tradition, science, and other basic forms.
Prerequisite: Sociology 300.

- 305. Community and Welfare Organization.** Three hours. (First semester.) (Formerly Sociology 330.)

The community and its significance in modern social life, and the development and uses of the various community welfare organizations.

Prerequisites: Sociology 132 or 232 and 300.

- 308. Marriage and Family Life.** Three hours. (First and second semesters.)

The structure of early family life and its relation to social organization; forms of marriage and family relationships, changing family conditions, and studies of successful and unsuccessful family life.

Prerequisite: Sociology 300.

- 311. Problems of Poverty.** Three hours. (First semester.)

General social pathology. A treatment of the problems arising out of sickness, old age dependency, poverty, unemployment, the homeless, the destitute, and other handicapped members of society.

Prerequisite: Sociology 300.

- 315. Juvenile Delinquency.** Two hours. (First semester.)

The causes, social backgrounds and general problems of juvenile delinquency, and methods and institutional aid of dealing constructively with delinquents.

Prerequisite: Sociology 300.

- 320. Criminology.** Three hours. (Second semester.)

A study of the individual and social factors in crime; theories concerning crime and criminals, and a consideration of the modern penological methods of dealing with crime. Visits will be made to penal institutions and courts.

Prerequisites: Sociology 300, 311 or 315.

- 401. Population.** Three hours. (First semester.)

The problems of population movements, immigration and assimilation. Studies of population growth and decline, quality and quantity factors, and the concentration and distribution of population.

Prerequisites: Sociology 132 or 232 and 300 and senior or graduate standing.

- 402. Special Topics.** One to three hours. (First and second semesters.) Staff.

Work to consist of special problems in fields in which the student has sufficient preparation to do constructive study and investigation.

Admission by consent of the staff.

- 403. Techniques and Methods of Social Investigation.** Three hours. (Second semester.)

A study of the several methods of investigation and research in the fields of social sciences; sources of data and their evaluation.

tion, organization and presentation.

A special research project will be required of each student.

Prerequisite: At least 8 hours in sociology and senior or graduate standing.

404. Public Welfare. Two hours. (First semester.)

History, underlying principles and basic assumptions of public welfare work. Interpretation of public welfare laws and their application to concrete cases. Public welfare fields and categories of public assistance and general relief. Federal and state programs.

Admission by consent of the instructor.

405. Introduction to Social Case Work. Three hours. (Second semester.)

The aims, methods and purposes of social case work are to be treated through class work and field practice. Assignment of case studies will be made in cooperation with local and state social agencies.

Prerequisite: Sociology 305.

408. The Family. Three hours. (First semester.)

Seniors and graduates only.

The family as institution; the structure of early family life, and its relation to social organization; problems of the modern family.

Prerequisite: Sociology 300.

411. Field Work. Two hours. (Second semester.)

Students will receive instruction in social work through practice in the Family Welfare Society, the Department of Public Assistance, and other agencies and through weekly conferences with the instructor. Enrollment is limited to the number of students who can be placed satisfactorily for field experience.

Admission by consent of instructor.

412. Principles and Techniques of Group Relations. Three hours. (Second semester.)

Seniors and graduates only.

Analysis of the group; participation, relationship within the group; inter-group relations; causes of group tensions; means of reducing group tensions; development of techniques in group control; leadership.

Prerequisite: Sociology 300.

421. History of Social Thought. Three hours. (Second semester.)

The origin and development of social thought and plans about society from the earliest times to the present; origins of the science of sociology and a brief study of the chief modern systems of sociology.

Prerequisites: Sociology 300 and 401 or 418 and senior or graduate standing.

SPANISH

(Division of Humanities)

Associate Professors Fors, Martin

Assistant Professors Parrish, Pino

The Spanish Department prepares students in practical conversation as well as in the cultural aspects of the literature and the people. The majors in this field should be able to speak the language with good intonation and pronunciation, use social and commercial correspondence with reasonable facility, and be well acquainted with the literary works which have been produced in Spain and Latin America.

A Spanish major consists of twenty-six semester hours in the field as language requirements and Spanish 306, Hispanic Civilization.

NOTE: In the case of new students, prerequisites may be affected by results of placement tests. See page 138 of this catalogue.

- 101. Elementary Course.** Three hours. (First and second semesters.)
Pronunciation, intonation, conversation, composition, and reading.
No credit is given for 101 without 102.
- 102. Elementary Course, continued.** Three hours. (First and second semesters.)
Continuation of 101 with added emphasis on self-expression in Spanish. Indicative and subjunctive modes.
- 203. Intermediate Course.** Three hours. (First and second semesters.)
Composition, conversation, and readings. Emphasis on idiomatic expressions and their use.
- 204. Intermediate Course, continued.** Three hours. (First and second semesters.)
Continuation of 203. Designed to prepare the student to use the language for both cultural and practical purposes.
- 306. Hispanic Civilization.** Three hours. (Second semester only.)
Study of the development of Spanish civilization and of the contributions of the Spanish-speaking nations to world culture.
No knowledge of Spanish required.
- 307. Travel and Study.** Three hours. (Summer.)
Three hours or more of study in some particular Spanish speaking country or countries as the tour is scheduled; collateral readings; language laboratory; lectures in the general characteristics, cultural aspects, historical and political background, and the arts.
Comprehensive examination on return. May be used to renew teachers' certificates.

- 310. Advanced Conversation.** Two hours. (First semester.)
Class conducted strictly in Spanish; conversation on current events, literature, industries, commerce, and travel.
Prerequisite: Spanish 204 or aptitude test.
- 311. Advanced Conversation, continued.** Two hours. (Second semester.)
Class conducted strictly in Spanish.
Prerequisite: Spanish 310 or aptitude test.
- 312. Spanish-American Literature.** Two hours. (First semester.)
Readings from representative authors. Reports and class discussions in Spanish.
Prerequisite: Spanish 204 or aptitude test.
- 313. Spanish-American Literature, continued.** (Second semester.)
Class conducted strictly in Spanish.
Prerequisite: Spanish 204 or aptitude test.
- 320. The Regional Novel.** Three hours. (First semester.)
Readings, lectures, discussions, and reports of the works of representative authors.
Prerequisite: Spanish 204.
- 330. Modern Drama.** Three hours. (Second semester.)
Readings, lectures, discussions, and reports on the representative authors from the Romantic Period to the present.
Class conducted strictly in Spanish.
Prerequisite: Spanish 204 or aptitude test.
- *410. Cervantes.** Three hours. (First semester.)
Readings, lectures, discussions and reports of the *Novelas Ejemplares* and *Don Quixote*.
Prerequisite: Spanish 204.
- *420. Drama of the Golden Age.** Three hours. (Second semester.)
Readings, lectures, discussions, and reports of the representative authors of the Golden Period.
Prerequisite: Spanish 204 or aptitude test.
- 495H. Readings for Honors in Spanish.** Four hours. (First semester.)
Open only to Spanish majors who have a general average of 2.3 or above and 2.5 or above in Spanish.
Readings, conferences, and monthly written examinations. The student may select his field in consultation with members of the department.
Consult page 139 for rules and general information.
- 496H. Readings for Honors in Spanish.** Four hours. (Second semester.)
A continuation of 495H. Both courses must be taken in order to receive Honors credit.

*Will not be given in 1948-1949.

SPEECH**(DIVISION OF HUMANITIES)**

Professor Ranson

Associate Professor Page

Instructors Robertson, Prickett, Harbold, Caplan, Hope

The Department of Speech aims to promote intelligent and intelligible talking in various phases of human endeavor. All classwork and extracurricular activities are organized to accomplish this. The courses listed below naturally fall into one of the following divisions: public speaking, acting, radio speech, interpretation, speech correction. The needs of any person should be met by these offerings.

Teachers College students working for certification in Speech will find their requirements listed in the Teachers College section of the catalogue.

Speech majors in the College of Arts and Sciences will take the courses listed below. They may elect courses in addition to these.

Requirements for Speech Majors

	<i>Hrs.</i>		<i>Hrs.</i>
Speech 101	2	Speech 312	2
Speech 102	2	Speech 313	2
Speech 209	2	Speech 320	3
Speech 210	2	Speech 330	2
Speech 205	3	Select one of the following:	
Speech 240	3	Speech 403, 418, 430.	

COURSES OF INSTRUCTION

- 101. Practical Public Speaking.** Two hours. (First and second semesters.)

A beginning course in the practical problems of speaking before an audience. Projects calculated to develop confidence and poise through work on voice and bodily action are used. Required of all entering freshmen.

- 102. Practical Public Speaking.** Two hours. (First and second semesters.)

Continuation of Speech 101 with emphasis on the preparation and presentation of the basic types of public address. Required of all entering freshmen.

Prerequisite: Speech 101.

- 205. Argumentation and Debate.** Three hours. (First semester.)

A study of analysis in argumentation, of evidence, and persuasion. Special attention is given to briefing and to the organization necessary for formal debating.

Prerequisite: Speech 102.

- 207. Business and Professional Speaking.** Three hours. (Second semester.)
A course dealing with the specialized speaking that the business and professional man must do. Both public and conference speaking are studied.
Prerequisite: Speech 102.
- 209. Acting.** Two hours. (First semester.)
The formation of a working theory concerning the playing of a dramatic role in the theatre. Practice in developing technical skills through exercises in body and voice control, including pantomimic sketches, monologues, and short dramatic scenes.
- 210. Acting.** Two hours. (Second semester.)
A continuation of the theory and practice of acting, with emphasis on character development, physical movement, and emotional projection through the medium of the one-act play.
Prerequisite: Speech 209.
- 239. Phonetics.** Two hours. (First semester.)
The study of the alphabet of sounds, and speech and voice improvement, with special emphasis on the refinement of the basic speech skills.
Prerequisite: Speech 102.
- 240. Voice Training.** Three hours. (Second semester.)
The purpose of this course is refinement of basic speech skills. Exercise in breathing, articulation, and phonation; voice and diction training and practice.
Prerequisite: Speech 102.
- 250. Story Telling and Dramatization.** Three hours. (Second semester.)
A study of children's literature from the standpoint of its oral interpretation. Recommended especially for those who plan to work in nursery schools, kindergartens, or grade schools, or to do child welfare and recreational work. There will be opportunity for laboratory work in story telling and dramatization.
- 305. Principles of Public Address.** Two hours. (First and second semesters.)
A combination of Speech 101 and 102 designed for juniors and seniors who have had no formal speech training.
- 306. Extempore Speech.** Three hours. (Second semester.)
A course designed to promote rapid speech preparation and proficiency in presentation under a variety of conditions.
Prerequisite: Speech 102 or 305.
- 312. Play Production.** Two hours. (First semester.)
A course dealing with scene design and construction, scene painting, lighting, make-up, and other technical matters in the production of stage plays. The work is coordinated in so far as possible with the College Theatre plays.

- 313. Play Production.** Two hours. (Second semester.)
A continuation of Speech 312 with considerable practical laboratory work.
Prerequisite: Speech 312.
- 320. Oral Interpretation of Literature.** Three hours. (First semester.)
The fundamentals of reading, analyzing, and interpreting the writings of others. Both prose and poetry are studied.
Prerequisite: Speech 102.
- 321. Dramatic Reading and Platform Art.** Three hours. (Second semester.)
A continuation of Speech 320 with emphasis on the reading recital and abridgment and oral reading of novels and plays.
Prerequisite: Speech 320.
- *322. Choral Reading.** Two hours.
A study of the analysis and the unison presentation of poetry and rhythmic prose. Considerable practice in group speaking.
Prerequisite: Speech 321.
- 330. Radio Speech.** Two hours. (Second semester.)
An introduction to the general aspect of the radio industry, including structure, programming, administration, educational and social influences and general techniques of broadcasting. Various types of continuity will be studied with opportunities for activities that will develop creative ability, voice and diction, and improve poise.
Prerequisite: Speech 102.
- 403. Play Direction.** Three hours. (First semester.)
The problems involved in directing plays, with laboratory practice. Intended primarily for students who expect to produce plays in schools or community groups.
Prerequisite: Speech 210 and 313.
- 404. Advanced Acting.** Two hours. (First semester.)
A study of the various styles of acting to include an interpretation of roles from classical, romantic, and modern dramas.
Prerequisite: Speech 210.
- 405. Advanced Acting.** Two hours. (Second semester.)
Continued development of acting techniques through presentation of full-length plays for experimental and public performance.
Prerequisite: Speech 404.
- 418. Speech Correction.** Three hours. (First semester.)
The study of speech disorders among speech defectives. The theory and proposed therapy for stuttering, delayed speech, and allied speech deficiencies.
Prerequisite: Speech 240.

*Will not be given in 1948-1949.

- 419. Speech Correction.** Two hours. (Second semester.)
This course is designed as a practical outgrowth of Speech 418. It is intended for those who plan to teach speech and desire practical, clinical experience working with speech defectives.
Prerequisite: Speech 418.
- 430. Radio Dramatics.** Three hours. (First semester.)
A practical course in theory and techniques of preparing a dramatic script for production, including use of sound effects and music.
Prerequisite: Speech 330.
- 431. Radio Production.** Three hours. (Second semester.)
Program building and presentation. Broadcasting over local stations whenever possible.
Prerequisite: Speech 430.
- 440. Play Writing.** Three hours. (Second semester.)
The principles of dramatic construction, including finding dramatic materials, building the play, characterization, and dialogue. One-act plays and short sketches for experimental and public production will be written.
Prerequisite: Speech 210.

STATISTICS

(DIVISION OF SOCIAL SCIENCES)

Professor Woods

- 317. Statistical Methods.** Three hours.
An elementary course in statistics designed to meet the needs of students in business administration, economics, political science, psychology and sociology. Tabulation and graphic presentation of statistical data, analysis of frequency distribution, averages and their uses, measures of dispersion, elementary theory of probability and its application to the normal curve, introductory study of index numbers, simple correlation, elementary theory of sampling.

ZOOLOGY

(DIVISION OF SCIENCES)

Associate Professors Green, Edeburn

Assistant Professor Fisher

The courses in zoology are intended to meet the needs of those students who desire to obtain some knowledge of zoology as part of their general education, those who need work in zoology to satisfy the requirements of other departments, and those who propose to specialize in zoology. A major in zoology is valuable to those students who plan

to enter medicine, dentistry, veterinary medicine, game management, forestry, entomology, or other related field. Zoology majors may also prepare themselves to pursue advanced degrees leading to teaching on secondary and college levels or for research in applied zoology.

The following is the recommended curriculum for zoology majors. It is so arranged that the first three years prepare the student for entrance into medical college. Students planning to major in zoology should consult the head of that department not later than their sophomore year for suggestions on planning their course of study.

First Year

First Semester	Hrs.	Second Semester	Hrs.
English 101	3	English 102	3
Speech 101	2	Speech 102	2
Language	3	Language	3
Zoology 211	4	Zoology 212	4
Chemistry 201	4	Chemistry 202	4
Physical Education 113	1	Physical Education 114	1

Second Year

First Semester	Hrs.	Second Semester	Hrs.
English 205	2	English 206	2
Language	3	Language	3
Physics 201	2	Physics 203	2
Physics 202	2	Physics 204	2
Mathematics	3	Mathematics	3
Chemistry 203	4	Chemistry 204	4

Third Year

First Semester	Hrs.	Second Semester	Hrs.
Psychology 201	4	Philosophy 304	3
*Zoology 307	4	Zoology 302	4
Chemistry 301	4	Chemistry 302	4
Electives	5-6	Zoology	3
Recommended:		Electives	2-3
English	3	Recommended:	
History, Economics,		History, Economics,	
Political Science	3	Political Science	

Fourth Year

First Semester	Hrs.	Second Semester	Hrs.
Statistics 317	3	Botany 304	4
Geology 200	4	Geology 318	3
Botany 203	4	Zoology 402	3
Zoology 401	2	Zoology	3
Electives	4	Electives	4
Recommended:		Recommended:	
History, Economics,		Psychology, Sociology,	
Political Science		Philosophy	

*Not required of pre-medical students.

ZOOLOGY**COURSES OF INSTRUCTION**

NOTE: A \$2.00 science fee will be charged for each laboratory course taken except a \$5.00 fee for Zoology 302. This will be payable to the Financial Secretary, following registration.

- 208. Ornithology.** Three hours. (Second semester.) (Formerly Zoology 308.)
Two lectures and one 2-hour laboratory each week.
An introductory course in bird biology that emphasizes identification, bird communities, distribution, breeding cycle, migration and the economic importance of birds.
- 211. General Zoology.** Four hours. (First and second semesters.) (Formerly Zoology 110.)
Two lectures and two 2-hour laboratories each week.
An introductory course that deals with the important biological principles and their application to representative types in the animal kingdom.
- 212. Advanced General Zoology.** Four hours. (First and second semesters.)
Two lectures and two 2-hour laboratories each week.
A study of the classification, structures, relationships to one another and to man of the important groups of animals.
Prerequisites: Zoology 211 or equivalent.
- 300. Histology.** Four hours. (Second semester.)
Two lectures and two 2-hour laboratories each week.
The microscopic study of the various types of animal tissues.
Prerequisite: Zoology 212 or equivalent.
- 301. Vertebrate Embryology.** Four hours. (First semester.)
Two lectures and two 2-hour laboratories each week.
A study of the development of the frog, chick and pig embryos.
Prerequisite: Zoology 212 or equivalent.
- 302. Comparative Vertebrate Anatomy.** Four hours. (Second semester.) (Formerly Zoology 206.)
Two lectures and two 2-hour laboratories each week.
A comparative study of vertebrate animals with particular emphasis on the dogfish and the cat.
Prerequisite: Zoology 212.
- 307. Genetics.** Four hours. (First semester.)
Three lectures and one 2-hour laboratory each week.
An introductory course that deals with the fundamental prin-

ciples and mechanism of inheritance and how they apply to human betterment.

Prerequisite: Biology 108 or one laboratory course in either Zoology or Botany.

315. **Human Anatomy and Physiology.** Four hours. (Second semester.) (Formerly Zoology 205-306.)

Three lectures and one 2-hour laboratory each week.

A study of the structure and functions of the human body and their correlative applications to life. Not open to pre-medical students.

Prerequisites: Zoology 211 or its equivalent.

401. **Laboratory Methods.** Two hours. (Second semester.)

The methods, devices and apparatus of biological science are studied. The basic principles and practices of collecting, culturing, caring for and preservation of laboratory animals are taken up and practice is given in setting up student and demonstration experiments. Open to seniors only.

Prerequisite: Zoology 211 or equivalent.

402. **Vertebrate Natural History.** Three hours. (Second semester.)

Two lectures and one 2-hour laboratory each week.

A study of the various vertebrate groups exclusive of birds, emphasizing their origin, classification, life histories, habits and distribution. Recommended for majors in biological science. Open to seniors only.

Prerequisite: Zoology 212 or equivalent.

403. **Entomology.** Three hours. (First semester.) (Formerly Zoology 303)

Two lectures and one 2-hour laboratory.

A study of the taxonomy, life histories, anatomy and economic importance of insects.

- *404. **Animal Parasitology.** Four hours.

Two lectures and two 2-hour laboratories each week.

A study of morphology, life histories and classification of parasites and their host relationships. Recommended for students who plan to enter wildlife management or veterinary medicine.

Prerequisite: Zoology 212 or equivalent.

- *409. **Animal Ecology.** Three hours. (First semester.)

One lecture and two 2-hour laboratories each week.

A study of animals in relation to their environment, including collection and examination of material from the common types of habitats. Open to seniors only.

Prerequisite: Zoology 211 or equivalent.

411. **Zoology Seminar.** One hour. (First semester.)

Open to Zoology majors only.

412. **Zoology Seminar.** One hour. (Second semester.)

Open to Zoology majors only.

*Will not be given in 1948-1949.

GRADUATE DIVISION

ADMINISTRATION

FACULTY

OBJECTIVES

ADMISSION

DEGREE REQUIREMENTS

COURSES OF INSTRUCTION

THE GRADUATE COUNCIL

ARVIL E. HARRIS, Ph. D., (*Chairman*), *Professor of Political Science.*

HOLLIE CLAYTON DARLINGTON, Ph. D., *Professor of Biology, (to 1951).*

LESLIE M. DAVIS, Ph. D., *Professor of Geography, (to 1949).*

AUGUSTUS HAYES, Ph. D., *Professor of Sociology, (to 1948).*

GEORGE WASHBURN HOWGATE, Ph. D., *Professor of English, (to 1951).*

KENNETH CARL LOEMKER, Ph. D., *Professor of Psychology, (to 1950).*

HORACE GRESHAM TOOLE, Ph. D., *Professor of History, (to 1950).*

ROY CLEO WOODS, Ph. D., *Professor of Education, (to 1949).*

JOHN FRANK BARTLETT, Ph. D., (*ex-officio*), *Dean of the College of Arts and Sciences and Professor of Chemistry.*

STEWART H. SMITH, Ph. D., (*ex-officio*), *President of Marshall College and Professor of Education.*

DANIEL BANKS WILBURN, Ed. D., (*ex-officio*), *Dean of Teachers College and Associate Professor of Education.*

THE GRADUATE FACULTY

- JOHN FRANK BARTLETT, *Professor of Chemistry*.
Ph. D., 1932, West Virginia University; post-doctorate study, 1936-37, University of Zurich, University of Edinburgh, and Technische Hochschule in Munich.
- MAURICE GWINN BURNSIDE, *Professor of Political Science*,
Ph. D., 1938, Duke University.
- LUCILE CHAPMAN, *Assistant Professor of History*,
Ph. D., 1945, University of Kentucky.
- HOLLIE CLAYTON DARLINGTON, *Professor of Biology*,
Ph. D., 1942, University of Chicago.
- LESLIE M. DAVIS, *Professor of Geography*,
Ph. D., 1935, University of Chicago.
- CONLEY HALL DILLON, *Professor of Political Science*,
Ph. D., 1936, Duke University.
- RALPH M. EDEBURN, *Associate Professor of Zoology*,
Ph. D., 1938, Cornell University.
- DOROTHY A. FISHER, *Assistant Professor of Zoology*,
Ph. D., 1939, Cornell University.
- CHARLES OCELUS FITZWATER, *Associate Professor of Education*,
Ph. D., 1947, Cornell University.
- CHARLES P. HARPER, *Associate Professor of Political Science*,
Ph. D., 1937, John Hopkins University.
- ARVIL E. HARRIS, *Professor of Political Science*,
Ph. D., 1936, State University of Iowa.
- AUGUSTUS HAYES, *Professor of Sociology*,
Ph. D., 1920, University of Wisconsin.
- HAROLD M. HAYWARD, *Professor of Sociology*,
Ph. D., 1937, Clark University.
- HERSCHEL HEATH, *Professor of History*,
Ph. D., 1933, Clark University.
- JOHN HOLLAND HOBACK, *Instructor in Chemistry*,
Ph. D., 1947, West Virginia University.
- GEORGE WASHBURN HOWGATE, *Professor of English*,
Ph. D., 1933, University of Pennsylvania.
- ALLEN CONNABLE KLINGER, *Professor of History*,
Ph. D., 1930, University of Wisconsin.

- KENNETH KARL LOEMKER**, *Professor of Psychology*,
Ph. D., 1941, University of Chicago.
- CHARLES HILL MOFFAT**, *Associate Professor of History*,
Ph. D., 1946, Vanderbilt University.
- PAUL N. MUSGRAVE**, *Principal of Laboratory School*,
Ph. D., 1936, West Virginia University.
- E. L. PLYMALE**, *Assistant Professor of Botany*,
Ph. D., 1942, University of Iowa.
- ORA E. RUMPLE**, *Professor of Chemistry*,
Ph. D., 1936, Indiana University.
- ROBERT P. SECHLER**, *Professor of English*,
Ph. D., 1931, University of Pennsylvania.
- STEWART H. SMITH**, *Professor of Education and President*,
Ph. D., 1943, Syracuse University.
- HORACE GRESHAM TOOLE**, *Professor of History*,
Ph. D., 1932, University of Pennsylvania.
- DANIEL BANKS WILBURN**, *Associate Professor of Education*,
Ed. D., 1945, The George Washington University.
- ROY CLEO WOODS**, *Professor of Education*,
Ph. D., 1927, University of Iowa.

Courses and Degrees

In October, 1938, the State Board of Education approved regulations under which Marshall College is authorized to conduct graduate instruction leading to the Master of Arts and the Master of Science degrees. Graduate work was first offered during the summer session of 1939.

Ordinarily the Master of Arts degree will follow the Bachelor of Arts degree, and the Master of Science degree will follow the Bachelor of Science degree; however, in case a Bachelor of Arts degree has been received on qualifications which meet present requirements for Bachelor of Science degree, either the Master of Arts or the Master of Science degree may follow, at the option of the candidate.

For the present, graduate work is restricted to nine departments: biological sciences, chemistry, education, English, geography and geology, history, political science, psychology, and sociology.

Objectives of Graduate Work

1. To meet a regional need for graduate study within the limits of our personnel and equipment.
2. To aid in the development of a corps of Master teachers as described in the objectives of the policy committee. See *Report*

of Policy Committee on Teacher Education Curricula, David Kirby, Chairman, published by the State Board of Education, Charleston, West Virginia.

3. To prepare the candidate to use and evaluate the better known techniques of research and to appreciate its contribution to knowledge.
4. To adjust our policies and procedures as the needs of the candidates arise.

Administration

The Graduate Council directs graduate work, its chairman serving as its executive officer. An adviser from his major department is assigned to each student. The adviser will guide the student in outlining his program of study and in the preparation of his thesis. If the adviser is assured of the eligibility of the student when twelve semester hours of graduate work has been completed, he will recommend him to the Graduate Council for admission to candidacy for the Master of Arts degree.

Admission to Graduate Study

Admission to graduate courses is open to graduates of Marshall College and to graduates of all other accredited colleges and universities provided their undergraduate records are satisfactory. Students who are graduates of non-accredited institutions may be admitted conditionally. Admission to graduate study is based on official transcripts of high school and college credits and on the information contained in the formal application for admission to the Graduate Division of Marshall College. This application form may be secured by writing to the Chairman of the Graduate Council. Applications should be submitted one month prior to the beginning of the semester in which the student plans to register. Two official transcripts of the applicant's undergraduate work should be sent to the office of the Registrar. One of these will remain in the Registrar's office and the other will be delivered to the office of the Graduate Council. All graduates of standard four-year colleges must register in the Graduate Division of the College. Seniors who, in the last term or semester of their undergraduate work, need fewer hours than a full schedule to meet the requirements for the undergraduate degree, may complete their schedules by taking graduate courses for credit to be applied toward the master's degree.

Credit and Courses

A minimum of thirty-two hours of graduate credit shall be earned for the master's degree.

A minimum of eighteen hours must be earned in one subject known as a major. A minimum of six hours must be earned in a subject

known as a minor. Credit may be earned in a third subject if recommended by the adviser.

Not more than fifteen hours of approved 400 courses can be used to fulfill the requirements for the master's degree. Courses of the 400* series approved by the Council may count toward the master's degree, provided no undergraduate students except juniors and seniors are admitted. These courses are indicated in the catalogue and in schedules by a star (400*). The graduate students in such courses will be required to do additional work, some of which may be of a research character. Juniors will be admitted to the 400* series courses only with permission of the instructor.

Residence

A year's work in residence is required for the master's degree. At least thirty-six weeks must elapse between matriculation and graduation. This period may be shortened for those holding the Bachelor's degree from Marshall College upon recommendation of the student's adviser.

All requirements for the master's degree must be met within five years from date of matriculation unless the time limit is extended by the Graduate Council.

Thesis

A thesis or problem report of a research character completed to the satisfaction of the major department may be submitted for credit not to exceed six semester hours. The amount of credit allowed will be determined by the quality and character of the paper submitted. Students who will profit more by doing additional course work in lieu of a thesis or problem report must earn thirty-six course hours. The adviser and student will be guided by the student's needs and interests in determining whether he is to write a thesis.

The thesis must be sufficiently advanced one month before the time of graduation to assure the adviser of its acceptability by the Council. Three copies of the thesis or problem report must be filed with the Chairman of the Council not later than two weeks before the date of graduation. The thesis or problem report must be prepared according to the form adopted by the Council.

Admission to Candidacy

It should be remembered that admission to graduate courses does not imply admission to candidacy for the master's degree. The student may be admitted to candidacy only after he has proved his ability and fitness to do graduate work in a chosen field. Immediately after the completion of twelve semester hours of work with satisfactory grades, the student should apply to the Graduate Council for admission to can-

didacy for the degree. The application must bear the recommendation of the student's adviser and must be made on a form secured from the office of the Chairman of the Graduate Council.

Transfer of Credit and Extension Work

The Graduate Council may, upon the student's petition, grant to a student the privilege of transferring to Marshall College, for application on the master's degree, a maximum of six graduate hours earned in another institution when, in the judgment of the Council and the major department, such credit is to the advantage of the student's graduate program. Occasionally the Council may recommend that a student earn six hours in another institution in work not offered by Marshall College. Work done by extension and work transferred from another institution shall not aggregate more than six semester hours and shall not reduce the requirement of thirty-six weeks of residence except in the case of holders of Marshall College undergraduate degrees. Graduate credits transferred from other institutions must have been earned within the five-year period allowed for completion of the work for the master's degree.

Six hours earned in extension courses taught by instructors who teach these courses regularly on the campus will be accepted toward meeting the requirements for the master's degree.

Grades and Written Examination

The average of grades earned in courses applied on the master's degree may not be lower than "B." Not more than six hours of work with "C" grades may be applied and no course with a grade lower than "C" will be counted toward the degree.

A written examination covering the courses completed for the degree must be taken under the direction of the Council after it appears that the course work in progress will be successfully completed. In case a thesis or problem report is submitted, approval by the Council is necessary before the general written examination may be taken. An oral examination may be required at the option of the student's major department.

DEGREE REQUIREMENTS BY DEPARTMENTS

MAJOR OR MINOR IN BIOLOGICAL SCIENCE

Undergraduate course. For a major—12 hours in biological science; for a minor—6 hours in biological science. This may include courses in biology, botany or zoology.

Graduate course. For a major—a minimum of 18 hours approved by the adviser; for a minor a minimum of 6 hours.

MAJOR OR MINOR IN CHEMISTRY

Undergraduate prerequisites for either a major or a minor

- I. 24 hours of chemistry, or equivalent, including
 - A. General chemistry 2 semesters
 - B. Analytical chemistry (including qualitative and quantitative) 2 semesters
 - C. Organic chemistry 2 semesters
- II. Mathematics through differential and integral calculus.
- III. Two years of German. A reading knowledge of French is recommended.

Before the student is admitted to candidacy for a master's degree with a major in chemistry (after 12 to 15 hours of graduate work have been completed), he must pass a written comprehensive examination in the three fields of undergraduate chemistry; general, analytical, and organic.

Graduate Courses. For a major—a minimum of 18 hours approved by the adviser; for a minor—a minimum of 6 hours.

MAJOR OR MINOR IN EDUCATION

Undergraduate prerequisite for either a major or a minor. 15 hours of education.

Graduate courses. For a major—a minimum of 18 hours approved by the adviser; for a minor—a minimum of 6 hours.

Programs A, B, C, and E cover course requirements leading to county superintendent's certificate, elementary-school principal's certificate, secondary-school principal's certificate, and counseling and guidance certificate, respectively. Program D is intended for students majoring in education who are primarily interested in classroom teaching.

Program A*

COUNTY SUPERINTENDENT'S CERTIFICATE

1. Required courses 18 hours
Ed. 501, 502, 503, 504, 505, 506, 507, 508, 522.
2. Required electives 2 hours
Ed. 435*, 510, 511, 520 or 521, 535 and 536.
3. Permitted electives 6 hours
Any education courses open to graduate students.

Program B***ELEMENTARY PRINCIPAL'S CERTIFICATE**

1. Required courses _____ 10 hours
Ed. 501, 504, 506, 507, 522.
2. Required electives _____ 8 hours
From Ed. 415*, 435*, 510, 515, 520, 521, 531, 535, 542, and 544—4 hours.
Other education courses open to graduate students—4 hours.
3. Permitted electives _____ 8 hours
Any education courses open to graduate students.

Program C***SECONDARY PRINCIPAL'S CERTIFICATE**

1. Required courses _____ 10 hours
Ed. 501, 505, 506, 508, 522.
2. Required electives _____ 8 hours
From Ed. 415*, 435*, 460*, 490*, 511, 513, 514, 515, 520, 521, 532, 536, 543, 545, 546, 547, 548, 549, 550—4 hours.
Other education courses open to graduate students—4 hours.
3. Permitted electives _____ 8 hours
Any education courses open to graduate students.

Program D**SUGGESTED FOR CLASSROOM TEACHERS**

1. Required courses _____ 2 hours
Education 522.
2. Recommended courses:
Ed. 415*, 460*, 510 or 511, 515, 520, 521, 531 or 532, 540, 541.

Program E***COUNSELING AND GUIDANCE CERTIFICATE**

1. Required courses _____ 22 hours
Education 490*, 514, 535, 536, 546, 547, 548, 549 and/or 550.
2. Recommended Electives. To give not less than 25 hours in Guidance.
Education 513 and 520.
3. Not less than 6 hours on 500 level in teaching field to form a minor.
4. Education 522 which is required of all Education majors.
5. Education 435* may be substituted for Education 535 and 536, if not taken as an undergraduate course.

MAJOR OR MINOR IN ENGLISH

Undergraduate prerequisite. For a major—12 hours of English literature or combination of English and American literature; for a minor—6 hours of English literature.

Graduate courses. For a major—a minimum of 18 hours approved by the adviser; for a minor—a minimum of 6 hours. English 530 is required of all candidates for the M. A. in English, beginning September, 1947.

MINOR IN GEOGRAPHY

(At present no major program is offered in this field)

Undergraduate prerequisite. For a minor—6 hours in Geography.

Graduate courses. For a minor—a minimum of 6 hours.

MAJOR OR MINOR IN HISTORY

Undergraduate prerequisite. For a major—6 hours of American history, 6 hours of European history; for a minor—6 hours of history.

Graduate courses. For a major—a minimum of 18 hours approved by the adviser; for a minor—a minimum of 6 hours.

MAJOR OR MINOR IN POLITICAL SCIENCE

Undergraduate prerequisite. For a major—12 hours of political science; for a minor—6 hours.

Graduate courses. For a major—a minimum of 18 hours approved by the adviser; for a minor—a minimum of 6 hours.

MAJOR OR MINOR IN PSYCHOLOGY

Undergraduate prerequisite. For a major—12 hours of psychology. It is also recommended that the student have courses in allied fields, such as sociology, neurology, history of (or contemporary schools in) philosophy. A knowledge of chemistry, physics, and mathematics will prove advantageous. For a minor—6 hours of psychology, or departmental approval.

Graduate courses. For a major—a minimum of 18 hours approved by the adviser; for a minor—a minimum of 6 hours.

*It is the responsibility of Marshall College to offer the courses required for these certificates. Teaching experience and any additional requirements are the responsibility of the student.

MAJOR OR MINOR IN SOCIOLOGY

Undergraduate prerequisite. For a major—12 hours in sociology. It is recommended that the undergraduate courses include a basic principles course, a course in social origins, one in social institutions, and a course in one of the fields of social disorganization. In addition, the student must present 12 hours of credit in two or more of the following subjects: history, political science, economics, and psychology. For a minor—at least 6 hours in sociology, which must include a basic principles course of two or three hours.

Graduate courses. For a major—a minimum of 18 hours approved by the adviser, Sociology 403*, 418*, 501 are required courses. For a minor—a minimum of 6 hours.

COURSES OF INSTRUCTION BY DEPARTMENTS**BIOLOGICAL SCIENCE****Courses Open to Juniors, Seniors, and Graduate Students****401.* Laboratory Technique. Two hours.**

The methods, devices and apparatus of biological research are studied in some detail. The basic principles and practices of culturing, collecting, caring for, and preservation of laboratory animals are taken up and practice is given in setting up student and demonstration experiments.

Prerequisites: Zoology 211 or equivalent course.

402.* Vertebrate Natural History. Zoology. Three hours.

A study of the various vertebrate groups exclusive of birds, with emphasis on their origin, classification, life history, habitats, and distribution. Two lectures and one two-hour laboratory period each week.

Prerequisites: Zoology 212 or equivalent course.

404.* Plant Taxonomy. Botany. Five hours.

The identification and classification of the flowering plants and ferns of eastern United States. Each student will prepare a small herbarium. Field trips will be planned to introduce the student to methods of field work.

406.* Advanced Field Biology. Three hours.

An ecological field study dealing chiefly with plant life in southern West Virginia, and including some interrelations with animal life. Several field trips will be made.

Prerequisites: Biology 306 or ten hours of Biological Science or consent of instructor.

409.* Animal Ecology. Zoology. Four hours.

A study of animals in relation to their environment, including collection and examination of material from the common types of habitats. Two lecture and two two-hour laboratory periods each week.

Prerequisites: Zoology 211 or equivalent course.

411.* Biology Seminar I. One hour.**412.* Biology Seminar II. One hour.****482.* Biology**

Each summer Marshall College cooperates with the workshop on conservation of natural resources conducted at Jackson's Mill

*Undergraduate Courses Open to Graduate Student.

by the West Virginia University and colleges. For satisfactory completion of this course one can earn either graduate or undergraduate credit and register at the institution for whichever credit is desired. Not open to students who have had Conservation 101. For further particulars write the Registrar, Marshall College.

Courses Open To Graduate Students Only

503. **Advanced Entomology. Zoology.** Four hours.
Taxinomic and economic studies of the insects as a major group of animals. A collection of insects with identification will be required.
504. **Problems in Plant Physiology. Botany.** Four hours.
A study of the principles of plant physiology as applied to problems of the laboratory, greenhouse, and field culture.
505. **Advanced Economic Botany.** Four hours. (In summer, three hours.)
A study of the origin and development of economic plants with special emphasis upon problems of distribution in relation to possible future use of many plants not widely known.
506. **Problems in Ecology. Biology.** Three hours.
Problems dealing with environmental factors and their control of the development and distribution of animal and plant communities.
Prerequisite: 10 hours Biological Science or Consent of Instructor.
507. **Problems in Genetics. Biology.** Three hours.
A study of the principles of genetics as applied to plants and animals, and the application of these principles in the field of modern methods of plant and animal breeding, including human applications.
Prerequisite: Four hours. Botany, Zoology or Biology.
508. **Problems in Ornithology. Zoology.** Three hours.
A study of birds which emphasizes field identification, habitat distribution, breeding habits, migration, and their economic and cultural values.
515. **Advanced Plant Morphology.** Four hours.
A study of the characteristics of the great plant groups. Discussion of the important steps in the development of plants.
Two lectures and two 2-hour laboratory periods each week.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

CHEMISTRY

Courses Open to Juniors, Seniors, and Graduate Students

- 403.* **Advanced Inorganic Chemistry.** Two hours.
Complex metallic compounds, Werner theory, newer theory of valence, and the compounds of the lesser known metals.
Prerequisites: Physics; analytical and organic chemistry.
- 404.* **Colloid Chemistry.** Two hours.
A study of colloidal solutions, inorganic and organic, from a chemical viewpoint.
Prerequisite: Chemistry 307.
- 411.* **Physical Chemistry.** Three hours.
A general course in physical chemistry. First semester.
Prerequisites: Analytical and organic chemistry; physics, mathematics through calculus.
- 412.* **Physical Chemistry.** Three hours.
A continuation of Chemistry 411.
Prerequisite: Chemistry 411.
- 413.* **Experimental Physical Chemistry.** Two hours.
Experiments in viscosity, molecular weight determination, vapor density, etc.
Prerequisite or parallel: Chemistry 411.
- 414.* **Experimental Physical Chemistry.** Two hours.
Experiments in rates of reaction, electromotive force, gas cells, salt effect, etc.
Prerequisite: Chemistry 413. Chemistry majors may not receive graduate credit for Chemistry 411, 412, 413 or 414.

Courses Open to Graduate Students Only

501. **Advanced Organic Chemistry.** Four hours.
A more comprehensive survey of the aliphatic and aromatic series with attention to the application to the theories of organic chemistry.
Prerequisite: Chemistry 302.
502. **Quantitative Organic Chemistry.** Two hours.
Ultimate analysis of organic compounds.
Prerequisite: Chemistry 302.
504. **Qualitative Organic Chemistry.** Three hours.
A study of the identification of organic compounds including the separation and identification of these compounds in mixtures.
Prerequisite: Chemistry 302.

*Undergraduate Courses Open to Graduate Student.

516. **Chemical Kinetics.** Three hours.
A study of the rates and reactions in simple, gaseous, and liquid phases.
Prerequisite: Chemistry 412.
531. **Seminar.** One hour.
Required of all graduate students.
532. **Seminar.** One hour.
Required of all graduate students.
Prerequisite: Chemistry 531.
533. **Research for Master's Degree.** Two hours.
A special problem, the completion of which furnishes the basis of the master's thesis.
534. **Research for Master's Degree.** Four hours.
Continuation of Chemistry 533.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

EDUCATION

Courses Open to Juniors, Seniors, and Graduate Students

- 415.* **History of Modern Education.** Three hours.
Historical backgrounds of our public school system since the Renaissance. The course follows two main lines: development of educational practice and development of theory of education. Formerly Ed. 315.
- 435.* **Tests and Measurements.** Three hours.
This is an introductory course in which the history, basic philosophy and elementary statistical devices necessary for evaluating pupil progress are studied. New type tests will be constructed and a study made of standard tests on both elementary and secondary levels. Attention will be given to the use of technique of evaluation for purposes of pupil guidance. Considerable practice will be given in giving, scoring, and interpreting the results of tests on both elementary and secondary levels.
- 460.* **Philosophy of Education.** Three hours.
Contemporary educational thinking and practice in relation to the principal types of philosophy now current—realism, idealism, and pragmatism. Educational literature is examined for evidences of the influences of philosophical points of view. Seniors may take the course for either two or three hours of credit.

*Undergraduate Courses Open to Graduate Student.

- 516. Chemical Kinetics.** Three hours.
A study of the rates and reactions in simple, gaseous, and liquid phases.
Prerequisite: Chemistry 412.
- 531. Seminar.** One hour.
Required of all graduate students.
- 532. Seminar.** One hour.
Required of all graduate students.
Prerequisite: Chemistry 531.
- 533. Research for Master's Degree.** Two hours.
A special problem, the completion of which furnishes the basis of the master's thesis.
- 534. Research for Master's Degree.** Four hours.
Continuation of Chemistry 533.
- 580. Thesis or Problem Report I.** One to three hours.
- 581. Thesis or Problem Report II.** One to three hours.

EDUCATION

Courses Open to Juniors, Seniors, and Graduate Students

- 415.* History of Modern Education.** Three hours.
Historical backgrounds of our public school system since the Renaissance. The course follows two main lines: development of educational practice and development of theory of education. Formerly Ed. 315.
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- 460.* Philosophy of Education.** Three hours.
Contemporary educational thinking and practice in relation to the principal types of philosophy now current—realism, idealism, and pragmatism. Educational literature is examined for evidences of the influences of philosophical points of view. Seniors may take the course for either two or three hours of credit.

*Undergraduate Courses Open to Graduate Student.

465.* Audio-Visual Aids in Learning. Two or three hours.

This course strives to develop an attitude toward and a skill in the preparation and use of audio-visual aids to learning. A study of the use of blackboards, bulletin boards, flash cards, charts, graphs, field trips, models, specimens, maps, film strips, motion pictures, slide film and the operation of the major type of projectors form the major portion of this course. In order to insure a large percentage of practical experience this course will be conducted on the laboratory or workshop basis. Each student will prepare a set of audio-visual aids and references for use in his teaching position.

490.* Basic Course in Principles and Practices of Guidance. Three hours.

A study of the principles, objectives and practices of guidance which will give the beginning counselor or teacher an over-all picture of the guidance program and the part the counselor and teacher play in its development, and how such a program will aid the teacher in teaching boys and girls.

491.* Workshop in Supervision. One to three hours.

Designed for majors in Education and principals and supervisors of schools. A study of practical problems and principles involved.

492.* Workshop. The Teaching of Reading (summer only). One to three hours.

A practical course designed to give the teacher an opportunity to discuss and work on her own reading problems. Time spent in the course will be approximately evenly divided as to lecture, demonstration and individual work. The teacher may choose to work in the primary, intermediate or high school field under the leadership of a qualified instructor.

495.* Clinical Practice in Reading Instruction. Two hours.

One hour daily. Conference daily to be arranged. Admission by approval of instructor.

Diagnosis of difficulties, plans for corrective treatment, and actual work with pupils who have difficulties with reading.

Courses Open to Graduate Students Only**501. General School Administration: Basic Course.** Two hours.

In this course such topics as the following will be studied: Educational policy; state and national participation in school administration; state, county, and local boards of education; relation of schools to other social agencies; community relations; organization of staff; such staff problems as training, selection, assignment, tenure, promotion, salaries, absence, retirement, and professional ethics; sources of school statistics; school census; pupil attendance; provision for pre-school and adult education.

*Undergraduate Courses Open to Graduate Student.

- 502. General School Administration: Financial Aspects.** Two hours.
A continuation of Ed. 501, which is prerequisite. A study of business administration of schools will be made in this course, using such topics as the following: Basic principles of school finance; taxation for school support; ability of the community to pay; school bonds; budgeting; accounting and auditing; economy procedure; payroll management; insurance.
- 503. General School Administration: Plant and Equipment.** Two hours.
A continuation of Ed. 501, 502; Ed. 501 is prerequisite. In this course an intensive study will be made of the school plant, equipment and supplies. Topics to be studied will include: Planning school buildings; architectural service; maintenance and upkeep; custodial care; transportation equipment and its use.
- 504. Elementary School Administration.** Two hours.
A careful study of the elementary school principalship, and the duties and responsibilities attaching to it. Relations between superintendent, principal, teachers. Study of the elementary school itself.
Taken with or following Ed. 501.
- 505. Secondary School Administration.** Two hours.
A careful study of the secondary school principalship, and the duties and responsibilities attaching to it. Relations between the superintendent, principal, teachers. Study of the secondary school itself.
Taken with or following Ed. 501.
- 506. Supervision of Instruction: Basic Course.** Two hours.
A study of principles of supervision and techniques used in supervising the instructional work of the public schools.
- 507. Supervision of Elementary School Instruction.** Two hours.
This course is an application to elementary school subjects of the principles and techniques studied in Ed. 506.
Taken with or following Ed. 506.
- 508. Supervision of Secondary School Instruction.** Two hours.
This course is an application to secondary school subjects of the principles and techniques studied in Ed. 506.
Taken with or following Ed. 506.
- 510. Curriculum-making Laboratory: Elementary Schools.** Two hours.
Operating on the workshop idea this course avoids systematic lecture, readings, and discussions. Members of the class will be expected to acquaint themselves with the best current books on curriculum-making, and with typical curricula. They will do a good deal of work cooperatively and individually, in curriculum construction. Informal conferences and actual work on projects

are essentials of the course, each member of the class undertaking and completing a piece of curricular selection and organization.

511. Curriculum-making Laboratory: Secondary Schools. Two hours.

Follows the plan of Education 510, but is concerned with the secondary school instead of the elementary school.

513. Organization, Administration and Development of Guidance Programs. Three hours.

This is a study of problems met in planning for and the inauguration of a guidance program in elementary and secondary schools.

514. Counseling Techniques. Three hours.

An intensive study of the techniques used by the counselor in counseling, especially the mechanics of the interview with emphasis upon scheduling the interview, initial interview, and follow-up interviews with the counselee and parents.

515. History of Education in the American States. Two hours.

The development of the school systems of selected states will be studied in some detail. Factual accounts will be sought; no attention given to educational theory.

517. Field Course in Current School Problems. Three hours.

This is a field course which carries residence credit. It is concerned with the investigation of current problems confronting local schools or school systems. The content of the course will be determined by the needs of the students and the demands of the local situation. Areas of concentration may include one of the following: Curriculum revision projects, development of a community-school program, school or community surveys, or the investigation of any area of the school program having sufficient scope to warrant study by a class group. Since the laboratory approach will be used, it will be necessary to hold a portion of the class meetings in the local school or school system being studied.

518. Field Course in Current School Problems. Three hours.

This course is a continuation of Education 517 which is prerequisite to it. The content may include the continued study of some area of concentration studied in Education 517 or it may include a new field of concentration for which the content of Education 517 is prerequisite.

520. Statistical Methods in Education. Two hours.

Techniques of computing statistical summaries of extended data: averages, dispersions, correlations; graphic methods; interpretation of published statistical tables.

*Undergraduate Courses Open to Graduate Student.

- 522. Research Methods and Problems.** Two hours.
Approximately half of this course is devoted to a study of investigative methods and techniques; for the remainder of the course the student applies these methods and techniques to individual problems in seminar manner. Each student pursues a problem appropriate to the program he is pursuing, which may be submitted for problem or thesis.
Required of all graduate students majoring in education.
- 531. Psychology of Elementary Subjects.** Two or three hours.
Formerly Ed. 302. Analysis of the mental processes involved in the study of the several elementary school subjects.
- 532. Psychology of Secondary School Subjects.** Two or three hours.
Formerly Ed. 402. Analysis of the mental processes involved in the study of the several secondary school subjects.
- 535. Techniques of Evaluation in the Elementary School.** Two hours.
This is a graduate course following a course such as Education 435*. A deeper study and more practice will be required.
- 536. Technique of Evaluation in the Secondary School.** Two hours.
This does for the secondary teachers what Education 535 does for those in elementary education. See note following that course.
- 540. Current Literature of Education.** Two hours.
An extensive, rather than intensive, reading course. Each student reads and reports upon a group of the outstanding recent books on education. The intention of the course is to provide a supplement to intensive courses so that the student will have given some attention to nearly all phases of the educational situation. From a provided list the student selects his reading material, avoiding such books as relate to topics of which his other courses treat.
- 541. Supplementary Educational Agencies.** Two hours.
A survey of such agencies is undertaken for the purpose of assessing the scope of educative activities not directly a part of public school systems. Such agencies as the following are illustrative: adult education programs, corporation schools, CCC, church schools, boys' and girls' clubs, proprietary schools, women's clubs.
- 542. Seminar on Problems of Administration of Elementary Schools.**
Prerequisite: Education 501 and 504.
- 543. Seminar on Problems of Administration of Secondary Schools.**
Prerequisite: Education 501 and 505.
- 544. Seminar on Problems of Supervision of Elementary Schools.**
Prerequisite: Education 506 and 507.

*Undergraduate Courses Open to Graduate Student.

545. **Seminar on Problems of Supervision of Secondary Schools.**
Prerequisite: 506 and 508.
546. **Individual Inventory Techniques.** Three hours.
An intensive study of the techniques used in the collection of data, including test results, for the counselee's cumulative record; the recording of data; and the interpretation and use of tests and other data by the counselor and teacher.
547. **Occupational Information Techniques.** Three hours.
An intensive study of the techniques used in the selection, filing, and use of printed, bound and unbound materials, and other information about the various occupations and professions and the qualifications they require. This is to be at the level at which counseling is to be done.
548. **Advanced Studies of Human Adjustment.** Three hours.
A study of the psychological foundations of personality development and the principles of mental hygiene as they are related to adjustment to the problems of everyday life. Current publications are investigated in these fields and laboratory or clinical practice will supplement these studies.
549. **Seminar in Counseling. Individual Inventory.**
550. **Occupational Information, Training Opportunities, Follow-up Studies, and Placement Procedures with Practice in the Field.** Three hours each.
An advanced study of counseling tools and techniques with emphasis upon problem categories and patterns as they are related to the psychology of individual differences (differential psychology). Prepared case studies, based upon laboratory work in counseling, will furnish the basis of critical evaluation of tools and techniques. Laboratory practice will be done at the educational level at which each student expects to serve as a counselor.
555. **Teaching of Reading.** Three hours.
It is the purpose of this course to make the student familiar with present techniques and practices in the teaching of reading and current material in the field. Topics to be covered will include the development of fundamental reading habits and attitudes, oral and silent reading instruction, discussion of diagnostic and remedial instructional material and evaluation of the results of the reading program.
556. **Teaching of Language Arts.** Two hours.
This course deals with the literature in the field and a comparison of current methods and materials in the teaching of handwriting, spelling, and oral and written composition. Consideration is given to analysis and correction of basic difficulties and correlation of language arts with other activities.

557. Teaching of Arithmetic. Three hours.

The course is intended to make the student acquainted with the materials of instruction which are available and to give a knowledge of the best literature on the teaching of arithmetic. Topics will include: the history of numbers, number experiences of children, the fundamental operations and their presentation, denominate numbers, fractions, percentage, drill, problem solving, diagnostic procedures and remedial instruction, and arithmetic testing.

580. Thesis or Problem Report I. One to three hours.**581. Thesis or Problem Report II.** One to three hours.

560, 561, 562, Distributive Education. For information see page 263.

ENGLISH

Courses Open to Juniors, Seniors, and Graduate Students**407.* Anglo-Saxon.** Three hours.

A study of Old English syntax and phonetics, with reading of selections from Anglo-Saxon poetry and prose.

411.* Chaucer. Three hours.

A study of Chaucer's England. Readings will be in the original language, with emphasis on *Troilus and Criseyde* and the *Canterbury Tales*.

444.* Emerson-Poe-Whitman. Three hours.

An intensive study of Emerson as philosopher, Poe as journalist, and Whitman as poet.

445.* Robinson and Frost. Three hours.

An intensive study of two masters of Modern American poetry.

446.* Drama of the Restoration and 18th Century. Three hours.

A survey of the drama from 1660 to Sheridan, in relation to the social life of the period.

447.* Romantic Poets. Three hours.

A study of Wordsworth, Coleridge, Keats, Shelley and Byron. The background of the romantic movement will be given. Extensive readings in the major poets, papers and oral reports will be required.

455.* Literary Criticism. Three hours.

The principles and history of literary criticism, with emphasis upon the major literary forms.

*Undergraduate Courses Open to Graduate Student.

Courses Open To Graduate Students Only

500. **Shakespeare.** Three hours.
An intensive reading of most of Shakespeare's plays. Problems of scholarship relating to Shakespearean text, biography, theatrical conventions.
512. **Study of Poetry.** Three hours.
The development of the principal forms, types, themes, and prosody, in world poetry, with special attention to English and American poetry.
513. **Milton.** Three hours.
A study of the English poetry and prose of John Milton.
514. **The Victorian Novel.** Three hours.
A study of the English novel during the nineteenth century, covering the Brontes, Dickens, Thackeray, Eliot and others.
515. **Studies in the Victorian Poets.** Three hours.
Tennyson, Browning, and Hardy are the major figures studied in the course.
520. **Contemporary Drama.** Three hours.
An intensive study of major English and American dramatists from Shaw to O'Neill.
530. **Materials and Methods of Research.** Three hours.
Training in scholarly research, bibliography, preparation of reports and theses in the field of English. Completion of a practical problem in research. Required of all candidates for the M. A. in English, beginning Sept. 1948.
531. **Historical English Grammar.** Three hours.
The construction of the English language today in the light of the historical development of grammatical forms and usages.
544. **The American Novel.** Three hours.
A survey from the 18th century to modern times, with special emphasis upon Hawthorne, Melville, and Henry James.
580. **Thesis Writing.** One to three hours.
581. **Thesis Writing.** One to three hours.

GEOGRAPHY**Courses Open to Juniors, Seniors, and Graduate Students**

- 405.* **World Political Geography.** Three hours.
Selected countries of the Americas, Europe, and Asia, are studied with reference to the influence of geographic factors on

international relations. Present-day empires are contrasted to show the importance of location, mineral wealth, physical barriers, and population grouping. The place of the United States in world affairs is given leading consideration.

410.* Urban Geography. Three hours.

A study of the geography of cities with special attention given to larger urban centers of the United States. Cultural points relating to city grouping, residential and commercial planning within the individual city, transportation network layout, and industrial center planning are studied in checking the natural-cultural relationships observed in each urban setting. Theory and practice are recognized in a test study made in or near Huntington.

420.* Field Geography of West Virginia. Three hours.

Type areas are studied intensively for the purpose of understanding how activities such as lumbering, mining, agriculture, and transportation have made adaptations to these areas.

Students registering in this course will spend at least two weeks in the field under the direction of the instructor.

Courses Open to Graduate Students Only

501. Problems in the Geography of the Far East. Three hours.

A study of the agriculture, industry, transportation, and trade of Java, the Philippines, and selected regions in China, Japan, and Siberia. Each member of the class is given a problem to study, following an introductory period in which a sample regional survey is made. Readings are made from a selected list and reports are made to the group.

502. Problems in the Geography of Europe. Three hours.

Studies are made in the agriculture, mining, industry, transportation, and trade of selected regions of Europe. Class members may study the geography of a region within the continent or survey the scope of an economic activity over a large area of the continent. In any case human activity and environmental relationships are stressed. A report is given to the class by each student.

505. Geography in World Political Affairs. Three hours.

Class members check international relations of the United States, the British Empire, Russia, and China, so that they will appreciate the significance of geographic items and their effect on the creation of national policies. Later individual students will select countries or geographic regions for intensive study. The prepared paper will be presented in class.

*Undergraduate Courses Open to Graduate Student.

506. **Field Problems in the Geography of the Tri-State Area.** Three hours.

A study will be made of a small geographical region within the tri-state area of West Virginia-Kentucky-Ohio within a few miles of Huntington. Students will study conditions within the field, check available documentary material, and prepare a paper on their findings. Mapping and Photography will be used and personal interviews will be conducted when advisable.

HISTORY

Courses Open to Juniors, Seniors, and Graduate Students

- 402.* **American Diplomacy.** Three hours.

The principles and policies guiding American diplomacy in its various stages of development and methods commonly employed and the personalities of leading American diplomats. Formerly History 350.

- 421.* **The Era of the Renaissance and the Reformation.** Three hours.

A study of the changes, especially cultural, in Western Europe during the three centuries, 1300-1600.

- 422.* **The French Revolution and the Napoleonic Era.** Three hours.

A study of the causes (1715-1789), sequences (1789-1799), and consequences (1799-1815) of the French Revolution.

- 425.* **European History, 1814-1914.** Three hours.

A seminar on 19th century Europe.

- 426.* **European History, 1914 to the Present.** Three hours.

A continuation of History 425*. Lectures, reading and reports.

- 427.* **Russia in the 19th and 20th Centuries.** Three hours.

A study of the life and institutions in Russia under the Czars that led to the revolution and the present regime with emphasis on the recent internal developments and their influence on the modern world.

Courses Open to Graduate Students Only

501. **Historical Research.** Three hours.

The first part of this course is a study of the method and technique of historical research. The second part puts into practice the problems involved in the preparation of a master's thesis.

502. **Constitutional History of the United States.** Three hours.

A study of the origins and development of American constitutional principles and practices. (503 and 504 discontinued.)

*Undergraduate Courses Open to Graduate Student.

505. **Social and Economic Problems of the American Colonies.** Three hours.
506. **Social and Economic Problems of the Early National Period in America.** Three hours.
507. **The Old Northwest.** Three hours.
The study of the problems in connection with the settlement, distribution of land, organization of government, fur trade, conflict with the Indians, and the early social and economic adjustments.
508. **The Civil War and Reconstruction, 1850-1877.** Three hours.
The abolition movement, king cotton supremacy, secession, social and economic life during the Civil War, and the problems connected with the reconstruction and the transition from agricultural to industrial economy.
509. **Problems of Recent American History, 1877 to Present.** Three hours.
512. **American Leaders.** Three hours.
A study of the contributions of representative American leaders to American development to 1865.
513. **History. Hispanic American History.** Three hours.
A survey course, a sketch of the colonial period, a study of the movement for independence and the establishment of new governments, a survey of each of the countries during recent years, emphasis upon recent commercial and diplomatic relations with the rest of the world, especially the United States.
514. **History. The American Revolutionary Period.** Three hours.
A detailed study of the immediate causes, the conduct and results of the Revolution, followed by a study of the establishment of the new state governments, the government under the Articles of Confederation, and adoption of the Constitution.
515. **American Leaders.** Three hours.
A study of the contributions of representative American leaders to American development since 1865.
517. **History. Trans-Allegheny Frontier.** Three hours.
521. **Nineteenth Century England.** Three hours.
Policies of outstanding leaders such as Canning, Peel, Palmerston, Disraeli, Gladstone, and Salisbury; growth of democracy; reform movements; the Irish problem. Discussion, reports, and term papers.

527. **Problems in Early Modern European History.** Three hours.
A course for research into certain phases of the history of Europe during the century and a half from 1500 to 1650.
528. **Problems in Recent European History.** Three hours.
Special investigation into certain historical events in European history from 1871 to 1914 that appear to have aided in causing the World War.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

POLITICAL SCIENCE

Courses Open to Juniors, Seniors, and Graduate Students

- 405.* **International Relations.** Three hours.
Formerly Pol. Sci. 401. An examination of the forces motivating the conduct of nations in their relations, with special consideration of the rise and development of international institutions. The approach to this study is economic and historical as well as political.
Prerequisites: Pol. Sci. 201, 202.
- 406.* **Contemporary World Politics.** Three hours.
Formerly Pol. Sci. 402. A study of present day currents in international affairs, with an examination of the underlying motives of national states. The place of international organizations in the post-war world is given special attention. The current opinion of international observers, both American and foreign, is considered.
Prerequisites: Pol. Sci. 201, 202.
- 407.* **Oriental Civilization and Politics.** Three hours.
The semester is spent on contemporary political, social, and economic conditions in Japan, China, and India.
- 409.* **Parliamentary Governments.** Three hours.
An analysis of the origin, development, structure, and current operation of the English, French, Swiss, and other selected democratic governments.
- 410.* **Modern Dictatorships.** Three hours.
A study of the ideology, structure, and operation of the totalitarian states, with an effort to compare their methods with democratic procedure.
- 420.* **State Administration.** Three hours.
It is the purpose of this course to outline the numerous activities in which each of the forty-eight states may be expected to

*Undergraduate Courses Open to Graduate Student.

engage today, and to propose ways of organizing suitable agencies for the proper administration of these services. The actual working of these various departments will be discussed and studied from the states' reports.

425.* Early Political Theory. Three hours.

A historical survey and examination of the political theories from the time of Plato to Burke, with an effort to show their effect on modern political institutions.

426.* Recent Political Theory. Three hours.

A study of the ideas of leading recent political philosophers with particular emphasis on the basic ideologies of the modern democratic and totalitarian states.

Courses Open to Graduate Students Only

500. Trends in American Civilization. One to three hours.

The readings and lectures in this course aim to assist the student in understanding the political, economic, social, educational, and spiritual trends in American civilization.

This course is intended for teachers who are not interested in specialized courses in political science.

501. Readings in Political Science. One to three hours.

Special lines of reading will be outlined in this course to meet the needs and interests of individual students. Regular conferences will be held.

The course is intended for teachers who are not interested in specialized courses, but will profit by wide reading on topics closely related to their needs.

504. American Political Ideas. Three hours.

A study of the political ideas of representative American thinkers such as Roger Williams, William Penn, Samuel Adams, Thomas Paine, James Madison, Benjamin Franklin, Alexander Hamilton, Thomas Jefferson, John C. Calhoun, Daniel Webster, Abraham Lincoln, Theodore Roosevelt, Woodrow Wilson, Herbert Hoover, Max Lerner, Franklin D. Roosevelt.

505. International Law. Three hours.

A case study of the laws of war and peace as related to their historical development, principles and the evolution of international organization.

506. American Constitutional Law. Three hours.

A case study of constitutional law as related to the structure of American government, giving some attention to the historical background and the conflict of political, social, and economic forces.

*Undergraduate Courses Open to Graduate Student.

511. **The Legislative Process and Legislative Procedure.** Three hours.
Principles, procedures, and problems of statute law-making in the United States, followed by a critical study of current acts and pending problems before Congress and the state legislature.
515. **Labor Legislation.** Three hours.
A course devoted to an examination of the theory, organizations, procedure, content, and effect of labor legislation in the state, national, and international sphere.
517. **National Administration.** Three hours.
Principles of administrative law of the United States are reviewed, followed by a study of the organization and function of administrative departments, boards and commissions in their relation to other branches of the government.
521. **Municipal Administration.** Three hours.
A study of principles and methods of municipal administration in the United States, including such topics as city planning, zoning, engineering, health, housing, finance, police administration, crime, transportation, playgrounds, poor relief.
523. **Administrative Law.**
Respective functional provocative procedures in theory in administration are studied and followed by a case study of administrative legal determinants.
524. **Administration of Justice.** Three hours.
Organization of courts in the United States, trends in the reorganization of judicial machinery, improvement of judicial procedure, socialization of the law, and professional ideals of the bar.
548. **Problems in West Virginia Government.** Three hours.
A critical study of problems of government in the State of West Virginia conducted through readings, lectures, and reports.
550. **Seminar. Credit to be arranged.** To be offered in connection with courses listed above.
551. **Seminar.** A continuation of 550, in order to give students a better opportunity to perfect research techniques. Credit to be arranged.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

PSYCHOLOGY

Courses Open to Juniors, Seniors, and Graduate Students

- 406.* Intelligence: Theories and Development.** Three hours.
A study of the nature of intelligence, individual differences in intelligence, mental levels; significance and methods of measuring intelligence; relation of intelligence to social efficiency.
Prerequisite: Six hours of psychology.

- 416.* Psychology of Learning.** Three hours.
A review and critical evaluation of experimental studies and generalizations in the field of learning.
Prerequisite: Six hours of psychology.

- 418.* Psychology of Personnel Techniques.** Three hours.
A course designed to equip the student with a working knowledge of basic techniques in personnel administration, and with an understanding of the psychological principles and methods involved. Deals with problems of employment procedures, training programs, personnel records, and human relations in business and industry.
Prerequisite: Psychology 101 or 305.

- 420.* Mental Measurements.** Three hours.
Instruction and practice in the use of the Stanford-Binet Scale and other tests; evaluation of test results; classification of individuals according to mental level.
Prerequisite: Nine hours of psychology or consent of instructor.

- 421.* Psychological Tests.** Three hours.
Instruction and practice in the use of group tests of intelligence and abilities, and in individual and group tests of interests and personality; evaluation of test results.
Prerequisite: Psychology 420* or consent of instructor.

- 460.* History and Systems of Psychology.** Three hours.
A study of the development of modern psychology and of the schools which have been most prominent in the development of American psychology.
Not open to students who have had Psychology 461*.

Courses Open to Graduate Students Only

- 503. Psychology of Exceptional Children.** Three hours.
A study of child nature, innate tendencies, causes of maladjustment, behavior problems in home, school, and society in general. Consideration will be given to individual differences, motivation, speech disorders, delinquency, lefthandedness, psychopathy, and other deviations. Remedial measures emphasized.
Prerequisite: Six hours of psychology or consent of instructor.

*Undergraduate Courses Open to Graduate Student.

506. **Psychology of Mental Deficiency.** Three hours.
A study of classes and levels of mental deficiency; causes, prevention, training, adjustment, and institutional care. Clinics at institutions.
Prerequisite: Six hours of psychology.
508. **Psychopathology.** Three hours.
A study of mental abnormalities and related phenomena, including hysteria, amnesia, phobias, neurasthenia, hypnosis, dreams, multiple personality, and others. Causes and prevention of development of abnormalities will be given special attention. Clinics at institutions.
Prerequisite: Six hours of psychology.
514. **The Psychology of Personality.** Three hours.
A course dealing with the factors involved in the development of the mature personality, with an analysis of the structure of personality. Also a critical review of the methods used in measuring personality traits, with practice in the use of certain of those methods.
Prerequisite: Six hours of psychology.
520. **Clinical Psychology. Case Techniques.** Three hours.
A practical laboratory study of mental and behavior cases, including personal and family history and the results of clinical tests. Intensive study of testing, and training in diagnosis and clinical reports.
Prerequisite: Psychology 420* and 421*.
523. **Advanced Experimental Psychology.** Two to three hours.
Laboratory research on special problems. Reading and discussion of literature in experimental psychology.
Prerequisite: Three hours of Experimental Psychology or consent of instructor.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.
590. **Seminar.** One to three hours.
Research and reports on topics in one or more of the following fields: experimental, clinical, systematic, abnormal, applied, and others.
591. **Seminar.** One to three hours.
Continuation of Psychology 590. Not more than four hours of credit may be earned in seminars.

*Undergraduate Courses Open to Graduate Student.

SOCIOLOGY

Courses Open to Juniors, Seniors, and Graduate Students**401.* Population.** Three hours.

The problems of population movements, immigration, and assimilation. Studies of population growth and decline, of quality and quantity factors, and of concentration and distribution.

Prerequisites: Soc. 132 or 232, 300.

403.* Techniques and Methods of Social Investigation. Four hours.

A study of the several methods of investigation and research in the fields of social science; sources of data and their evaluation.

408.* The Family. Three hours. (First semester.)

The family as institution; the structure of early family life, and its relation to social organization; problems of the modern family.

Prerequisites: Sociology 300 and senior or graduate standing.

412.* Principles and Techniques of Group Relations. Three hours. (Second semester.)

Analysis of the group; participation, relationship within the group; inter-group relations; causes of group tensions; means of reducing group tensions; development of techniques in group control; leadership.

Prerequisites: Sociology 300 and senior or graduate standing.

421.* History of Social Thought. Three hours.

The origin and development of social thought and plans about society from the earliest times to the present; origins of science of sociology and a brief study of the chief modern systems of sociology.

Prerequisites: Soc. 300, and 401 or 418.

Courses Open to Graduate Students Only**501. Sociological Theory.** Three hours.

A course in systematic sociology in which the student will be expected to become acquainted with the cardinal principles of the chief works of outstanding thinkers in the field.

502. Contemporary Social Change. Three hours.

A study of the dynamic factors of social change and disturbance. The development of social movements; the effect of discovery, invention, disaster, and rapid shifts in social interests.

511. Seminar in Social Pathology. Three hours.

Special problems dealing with the unadjusted, dependent, and neglected classes. Students electing this course should have had Soc. 311.

*Undergraduate Courses Open to Graduate Student.

520. **Seminar in Delinquency and Criminology.** Three hours.
A research course dealing with some of the basic factors productive of delinquency and crime and measures for meeting them. Students electing this course should have had Soc. 315 and 320.
525. **Social Control.** Three hours.
A study of the formal and informal means of social control such as legal processes, institutional control, punishments and rewards. Analyses of types of control and of the causes of increasing control.
Prerequisite: Sociology 421.
532. **Rural Social Organization.** Three hours.
An advanced study of the different forms of human association in rural life, and of their relatedness and organization in the achievement of high values and culture advancement. It presupposes a basic course in rural sociology.
- 570-571. **Research.** Two hours each semester.
Special problems selected by the students with the approval of the instructor.
580. **Thesis or Problem Report I.** One to three hours.
581. **Thesis or Problem Report II.** One to three hours.

Distributive Education—Graduate Division

560. **Co-ordination and Supervision of Distributive Education.** Two hours.
This course deals with the methods and techniques of coordinating a cooperative program in Distributive Education. Procedures in the selection of training agencies, in conferences with store managers to secure well-rounded work experience for students, in placement of students, in supervision of student-workers, in evaluation of store work, and in essential record keeping will be thoroughly explored.
561. **Organization and Administration of Distributive Education.** Two hours.
A basic course in the purpose, objectives and philosophy of Distributive Education with special emphasis on the West Virginia Plan. Methods used in initiating, organizing and promoting classes for persons engaged in distributive occupations will be stressed.
562. **Development of Instructional Materials for Distributive Education.** Two hours.
A workshop course having as principal objectives the gathering and organizing of instructional materials for use in Distributive Education cooperative classes, with emphasis on the selection of material that will supplement the work experience of the student worker. The course will include the actual construction of a complete course of study and teaching outlines.

SUMMER SESSION

CALENDAR

FEES AND EXPENSES

LIVING ACCOMMODATIONS

PLAN OF ORGANIZATION

SPECIAL FEATURES

SUMMER SESSION

CALENDAR

1922 AND 1923

BY THE BOARD OF REGENTS

OF THE UNIVERSITY OF CALIFORNIA

BERKELEY, CALIF.

CALENDAR

Registration.....	Tuesday, June 8
Classes begin.....	Wednesday, June 9
First six weeks term closes.....	Friday, July 16
Second six weeks term begins.....	Monday, July 19
Second six weeks term closes.....	Friday, August 27
Commencement.....	Friday, August 27

FEES AND EXPENSES**Payable on Day of Registration**

Enrollment Fee (each term).....	\$15.00
Enrollment Fee (less than three hours) per credit hour.....	\$ 5.00
Graduation Fees (Associate and Baccalaureate Degrees).....	\$ 5.00
Graduation Fee (Graduate Degree).....	\$10.00
Fee for Change of Schedule.....	\$ 1.00
Fee for Special Examination (per semester hour).....	\$ 3.00
Hospitalization.....	\$.45
Fee for Parthenon	\$.25

NOTE: Penalty of \$1.50 will be charged if enrollment fees are not paid on the day of Registration, and for students who register late.

LABORATORY FEES

Laboratory fees are stated in the description of the courses and are payable at the time of registration. (See Courses of Instruction.)

LIVING ACCOMMODATIONS

Women students will find attractive accommodations at reasonable rates in College and Laidley Halls, and men students in Hodges Hall. Students furnish their own bedding, towels, and dresser scarves. Excellent food is provided at very reasonable rates in the dining hall under the supervision of a trained dietitian. Rates for board and room are listed below.

Room reservations for women may be made through the office of the Dean of Women, and for men through the office of the Dean of Men. A check for \$2.00 which will be credited later to the total cost of the room must be sent with application for reservation.

All students rooming in the dormitories must take their meals in the college Dining Hall.

The college Dining Hall is located between Laidley and Hodges Halls. It has good food, well cooked and properly served at reasonable prices. It is the cheapest and best restaurant for faculty and college students. This service is available to faculty and students who do not live in dormitories.

LIVING EXPENSES

Rooms in College and Laidley Halls:	Per Term
Double Room (two students) each.....	\$15
Single Room (one student).....	20
Rooms in Hodges Hall.....	\$15
Rooms in Allen Court Dormitory.....	12

Residents of College, Laidley and Hodges Halls are required to take their meals in the College Dining Hall.

Board for College, Laidley and Hodges Halls:	Per Term
Payable upon entrance.....	\$42

NOTE: To above charges add 2 per cent consumers' sales tax. Board rates subject to change if food prices continue to increase.

REFUNDING OF FEES

When it becomes necessary for a student to withdraw from summer school, fees will be refunded in accordance with the following schedule:

Amount of refund (First six weeks):

During the first week (counting registration day) or to and including June 15.....	Full amount paid, less \$2
During the second week (June 15 to and including June 22.....)	50 per cent of amount paid
After second week (counting registration day).....	No refund

Refunds allowed for second term are on same principle as for the first term.

NOTE: No refund will be made except in cases where a student is regularly withdrawn. To withdraw regularly a student must make proper application to the dean of his college and present a withdrawal slip approved by the academic dean, the social director and the librarian, to the Registrar.

Board and Room Charges

No deposit on rooms will be refunded either before registration or after.

The balance remaining in the board payments will be refunded from the date of withdrawal.

ADMISSION

Summer School courses are open to:

1. High School graduates with fifteen (15) acceptable high school units. Freshmen desiring to enroll for the first time should write to the Registrar of Marshall College for an application for admission at least three weeks before the opening of the summer term, and request their high school principal to forward to the same office a record of their high school credits immediately upon graduation.

2. Students transferring from other colleges. Students who wish to transfer to Marshall College to secure a degree or a teacher's certificate should file with the Registrar a transcript of their college work together with their high school units prior to enrolling. Students coming to Marshall College for summer work only should present a statement of standing from the college last attended. Freshmen and transfer students may apply for admission at the beginning of each term.
3. Veterans who have not completed high school and are within the college age range may be admitted to college on the basis of the results of General Educational Development Tests. Arrangements for taking this battery of tests should be made with the Office of the Registrar well in advance of the opening of the term in which the student wishes to enter.
4. Auditors. Any adult is permitted to attend the regular classes of the summer session upon payment of the regular tuition fee and registering for such classes. An auditor does not participate in recitations, does not take examinations and therefore does not receive credit. In general, an auditor will not be permitted to laboratory sections of any course, nor engage in any activity courses in physical education.

Classroom Designations

Building designations are as follows, a number following the building designation indicating the room for class meetings:

M—Main Building; S—Science Hall; G—Gymnasium; LB—Library Basement; Mus—Music Building; L—Library; LS—Laboratory School. At G women use west entrance and men use east entrance. E—Engineering Hall.

Numbering of Courses

Courses 1-99 are sub-college courses and do not carry college credit. Courses 100-199 are primarily for freshmen, open to sophomores unless otherwise specified. Courses 200-299 are primarily for sophomores, open to freshmen and juniors unless otherwise specified. Courses 300-399 are for juniors and seniors, open to sophomores only upon special permission. Courses 400-499 are for seniors, open to other students only upon special permission. Courses 400 marked with * are open to seniors and graduates. Courses 500-599 are for graduate students only.

Candidates for Graduation

All candidates for graduation at the end of the summer should report to their respective deans not later than May 1, in order to permit careful checking of records before registration.

Morrow Library is an attractive place in which to work. Large fans have been purchased for the purpose of air-cooling the reading room. The beneficial effects of the new fans are evident. This new equipment will delight the students of the Summer Session.

Recreation

Marshall continues its splendid program of physical recreation during the summer session. While there are no major athletic sports during the summer session, there are excellent facilities for the less strenuous games.

The summer school of 1948 will offer generous opportunities for wholesome recreation to its students. One faculty member will be the director of the social and recreational program. This will include using tennis courts, swimming pools, volley ball courts, and the campus playing field. It will also include social entertainment, such as teas, parties, picnics, and the like.

Open Swimming Pools for students will be available under the supervision of competent instructors. This privilege is offered with reference to physical education courses.

The Student Union

The Student Union continues to be the most popular place on campus. Scores of students gather there between and after classes, and night, for conferences, social conversations, light refreshments, and even for study. One may always meet a friend at the Student Union.

Location Advantages

Marshall, located in Huntington, has distinct advantages for the student attending college in West Virginia's largest city.

A city of this size affords opportunities for social and cultural development. There are many attractive churches, with able ministers, not far distant from the college community. There are academic and purely social clubs. The Y. M. C. A. and Y. W. C. A. offer facilities for recreational and cultural. There are a half dozen or more theatres and many excellent attractions. Huntington is accessible by rail, bus, or plane from distant sections of this and other states.

Student Hospital Service

Each full-time student in the summer school of Marshall College shall have added to his regular summer school fee a hospitalization fee of forty-five cents (\$.45), for which he shall be furnished hospital care when ordered or authorized by the college physician or by his attending physicians, as elsewhere provided, in the following Huntington hospitals: St. Mary's, Huntington Memorial or Huntington Orthopedic.

NOTE: a full-time student is one who carries in the summer school a minimum of three hours and a maximum of six hours for a period of six weeks.

SPECIAL FEATURES—SUMMER 1948

Conference on Professional Relations will be held during the summer term. Date and program to be announced.

Off Campus Rural School is designed to provide a practical situation for prospective rural school teachers. Its organization and its schedule will be in line with the best practice for rural teachers.

The Nursery School will be in session for the benefit of students who register for the course in Child Care.

Sound Movie Films to supplement and to implement education courses and school practices will be provided liberally.

COUNSELLOR GUIDANCE CERTIFICATE: During the past years workshops in guidance have been conducted with marked success. So strong has been the demand that courses will be listed this year designed to count toward the guidance counselor's certificate which was recently approved by the State Board of Education.

Conference on Arithmetic will be held. Dates and program will be announced later.

A Reading Workshop will be held from June 14 to June 30. It may be taken for two or three hours credit on the graduate or undergraduate level.

A Workshop in Supervision will be held from July 1 to July 16. It may be taken for two or three hours credit on the graduate or undergraduate level.

TEACHERS COLLEGE**PLAN OF ORGANIZATION**

One term of six weeks beginning June 8, 1948, and ending July 16, 1948, classes meeting five days each week; maximum credit, six hours.

A second term of six weeks beginning July 19, 1948, and ending August 27, 1948, classes meeting five days each week; maximum credit, six hours.

Schedules of courses for these two terms appear elsewhere in this bulletin. Other courses will be added to the schedule provided there is sufficient demand for them. Courses listed may be cancelled provided the demand for them is too limited to justify their continuance.

PROFESSIONAL ADVANCEMENT

The Teachers College is responsible for the guidance and instruction of students who intend to enter, or are already working, in the field of professional education. Every effort has been made to provide course offerings that will make it possible for prospective teachers and those now teaching to make advancement toward certificates and college degrees. Teachers who have returned to the classroom after serving in industry or in the armed forces will find attendance at summer sessions not only stimulating but also essential to their professional growth.

SUMMER WORKSHOPS

The summer sessions will include workshops designed to meet the needs of special interest groups. Plans for these workshops were made in consultation with State Education Department officials and with teachers, supervisors, and administrators in the field. Students may participate in a workshop and carry one course in addition as long as the course does not conflict with the workshop hours.

HIGH SCHOOL GRADUATES AS TEACHERS

Graduates of high schools who wish to teach next year on emergency certificates will have an opportunity to be inducted into teaching through contacts with an off-campus rural school. The prospective teacher will in this way have first-hand experience under supervision of learning how to organize a school, how to schedule classes, where to locate teaching materials, how to deal with problems of discipline, and the like. If high school graduates have immediate teaching positions in mind, they will profit immeasurably by coming to the first term and taking this training, which will carry six hours college credit, gained in very practical situations.

STUDENT TEACHING

The courses in student teaching for elementary teachers will be planned for two different groups, teachers with experience and students who are preparing to teach. The teacher with experience will be given an opportunity to earn credit through observation and conferences, whereas the prospective teacher will teach pupils under the direction of a supervisor. During the years that this plan has been in operation it has become increasingly evident that the needs of these two groups are widely different. Teachers of experience are anxious to see teaching by experts and to learn to evaluate various procedures and techniques. On the other hand, the inexperienced teacher needs the contact with children in actual class situations.

High school teachers who register for student teaching will teach in the Marshall High School under the direction of competent supervisors.

A student must file in the office of the Dean of Teachers College an application for permission to register for each course in student teaching at least nine week prior to the time when the work in teaching is to be taken. The scholarship averages required before a student is permitted to register for student teaching are the same as those required for graduation.

SCHOLASTIC REQUIREMENTS FOR GRADUATION

All students must attain a certain scholastic standing as partial requirements for graduation. Students completing the course requirements for the single curriculum and the various curricula for high school teachers are required to have at least an average grade of "C" in courses in each of the two teaching fields, for the courses in education, and for the other academic work. Students completing the course requirements for the various curricula leading to the elementary certificates must have at least an average grade of "C" for courses in education and for all other academic courses.

THE OFF-CAMPUS RURAL SCHOOL

The one-teacher school of several grades will be in operation for the purpose of affording rural elementary teachers an opportunity to study class organization, scheduling, and problems of rural education. Inexperienced teachers will use this rural school as the laboratory for observation and study. The courses in the West Virginia School System as well as in Methods will draw their problems from this one-teacher school.

SUMMARY OF REGISTRATION

Summer, 1947	2,659
Enrollment for 1947-1948	
First Semester	3,438
Second Semester	3,237
Extension for 1947-1948	117
Graduates for 1947	353

Forty-eight counties of West Virginia were represented in the enrollment, 21 different states and 2 foreign countries.

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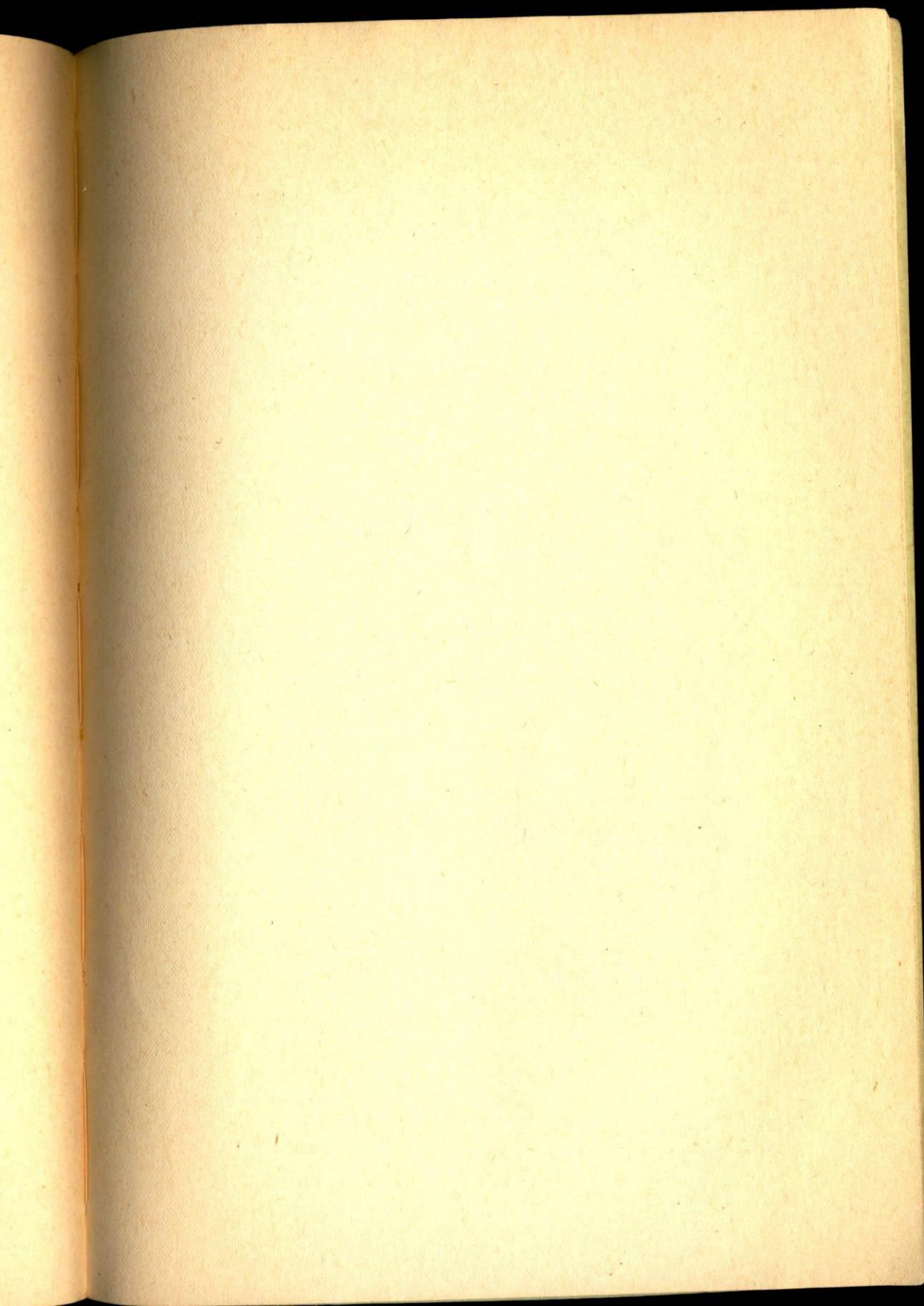
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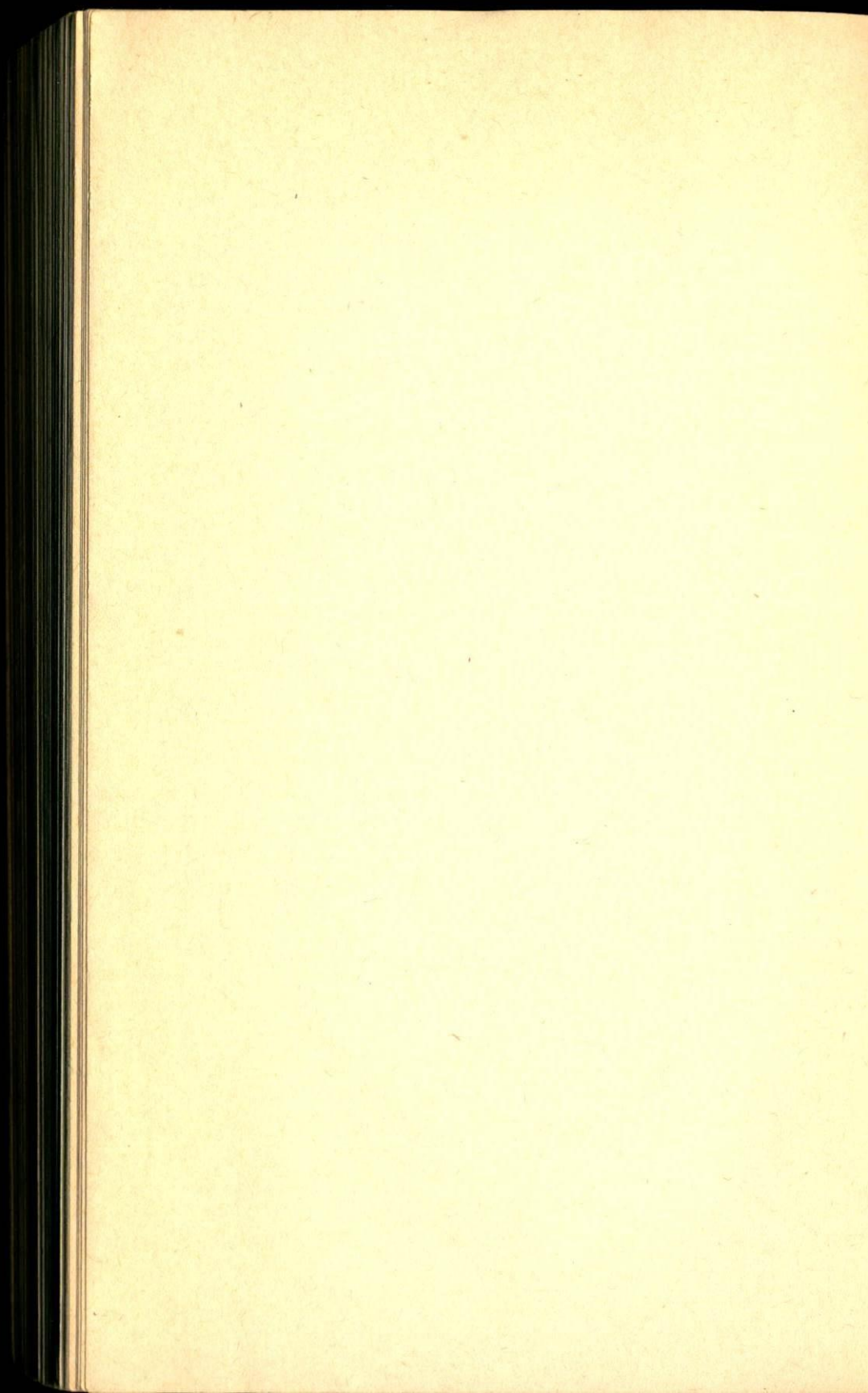
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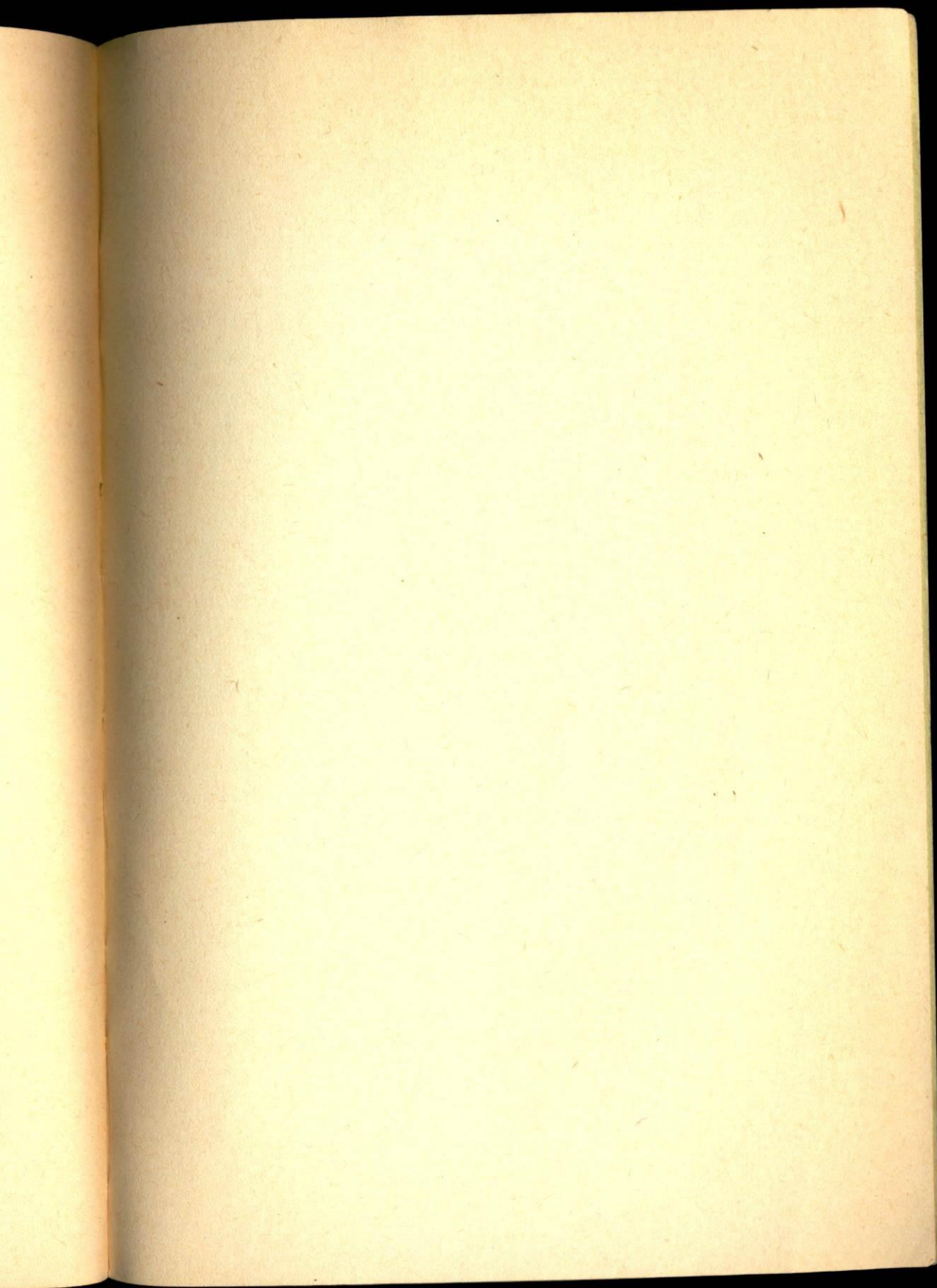
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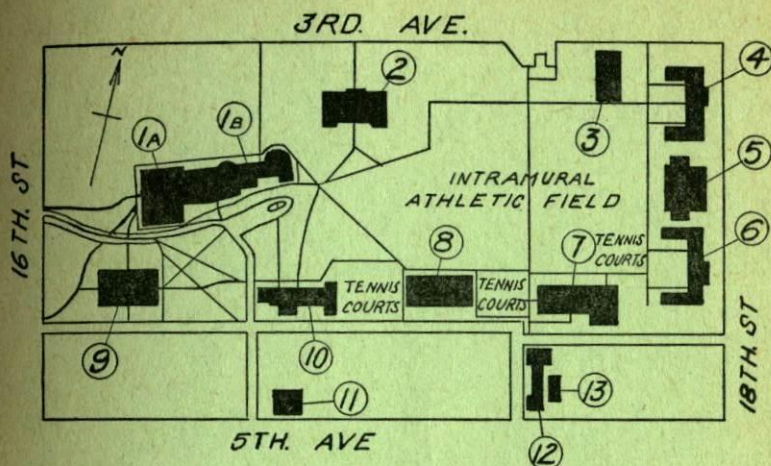
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MARSHALL COLLEGE CAMPUS



LEGEND

1. Main Building, (A) Administration and Class Rooms,
(B) Women's Dormitory.
2. Morrow Library.
3. Music Hall.
4. Laidley Hall (Women's Dormitory).
5. Dining Hall.
6. Hodges Hall (Men's Dormitory).
7. Jenkins Teachers Training School.
8. Physical Education Building.
9. Northcott Science Hall.
10. Shawkey Student Union.
11. Everette Hall.
12. Training School Annex.
13. Marshall Clinic.

**PLEASE BRING THIS BULLETIN
WITH YOU WHEN YOU ENROLL
IN MARSHALL COLLEGE**