

4-1-1934

1934-35 Catalog

Eastern Kentucky State Teachers College

Follow this and additional works at: http://encompass.eku.edu/ug_cat

Recommended Citation

Eastern Kentucky State Teachers College, "1934-35 Catalog" (1934). *Undergraduate Catalog*. Book 21.
http://encompass.eku.edu/ug_cat/21

This Article is brought to you for free and open access by the University Publications at Encompass. It has been accepted for inclusion in Undergraduate Catalog by an authorized administrator of Encompass. For more information, please contact Linda.Sizemore@eku.edu.

Eastern Kentucky State Teachers College

RICHMOND, KENTUCKY

Member

Association of Kentucky Colleges and Universities
American Association of Teachers Colleges
Southern Association of Colleges and Secondary Schools

CATALOG

1934-35



E A S T E R N K E N T U C K Y R E V I E W

VOLUME XXVII

APRIL, 1934

NUMBER 1

Published bi-monthly by the Eastern Kentucky State Teachers College and entered at the postoffice at Richmond, Kentucky, as second-class matter November 20, 1906.

1934

CALENDAR

1934

JANUARY

| S | M | T | W | T | F | S |
|-----|----|----|----|-----|-----|-----|
| --- | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | --- | --- | --- |

FEBRUARY

| S | M | T | W | T | F | S |
|-----|-----|-----|-----|-----|-----|-----|
| --- | --- | --- | --- | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | --- | --- | --- |

MARCH

| S | M | T | W | T | F | S |
|-----|-----|-----|-----|----|----|----|
| --- | --- | --- | --- | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

APRIL

| | | | | | | |
|----|----|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | --- | --- | --- | --- | --- |

MAY

| | | | | | | |
|-----|-----|----|----|----|-----|-----|
| --- | --- | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | --- | --- |

JUNE

| | | | | | | |
|-----|-----|-----|-----|-----|----|----|
| --- | --- | --- | --- | --- | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

JULY

| | | | | | | |
|----|----|----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | --- | --- | --- | --- |

AUGUST

| | | | | | | |
|-----|-----|----|----|----|----|-----|
| --- | --- | 1 | 2 | 3 | 4 | --- |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | --- |

SEPTEMBER

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| --- | --- | --- | --- | --- | --- | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | --- | --- | --- | --- | --- | --- |

OCTOBER

| | | | | | | |
|-----|----|----|----|-----|-----|-----|
| --- | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | --- | --- | --- |

NOVEMBER

| | | | | | | |
|-----|-----|----|----|----|-----|-----|
| --- | --- | 1 | 2 | 3 | --- | --- |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | --- |

DECEMBER

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| --- | --- | --- | --- | --- | --- | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | --- | --- | --- | --- | --- |

1935

CALENDAR

1935

JANUARY

| S | M | T | W | T | F | S |
|-----|-----|----|----|----|-----|-----|
| --- | --- | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | --- | --- |

FEBRUARY

| S | M | T | W | T | F | S |
|-----|-----|-----|-----|----|-----|-----|
| --- | --- | --- | --- | 1 | 2 | --- |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | --- | --- |

MARCH

| S | M | T | W | T | F | S |
|-----|-----|-----|-----|-----|-----|-----|
| --- | --- | --- | --- | 1 | 2 | --- |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | --- | --- | --- | --- | --- | --- |

APRIL

| | | | | | | |
|-----|----|----|-----|-----|-----|-----|
| --- | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | --- | --- | --- | --- |

MAY

| | | | | | | |
|-----|-----|----|----|----|----|-----|
| --- | --- | 1 | 2 | 3 | 4 | --- |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | --- |

JUNE

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| --- | --- | --- | --- | --- | --- | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | --- | --- | --- | --- | --- | --- |

JULY

| | | | | | | |
|-----|----|----|----|-----|-----|-----|
| --- | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | --- | --- | --- |

AUGUST

| | | | | | | |
|-----|-----|-----|-----|----|----|----|
| --- | --- | --- | --- | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

SEPTEMBER

| | | | | | | |
|----|----|-----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | --- | --- | --- | --- | --- |

OCTOBER

| | | | | | | |
|-----|----|----|----|----|-----|-----|
| --- | 1 | 2 | 3 | 4 | 5 | --- |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | --- | --- |

NOVEMBER

| | | | | | | |
|-----|-----|-----|-----|----|----|-----|
| --- | --- | --- | --- | 1 | 2 | --- |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

DECEMBER

| | | | | | | |
|----|----|----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | --- | --- | --- | --- |

TABLE OF CONTENTS

| | Page |
|--|------|
| Calendar, The College | 5 |
| Division of Instruction: | |
| Applied Arts and Sciences: | |
| Agriculture | 50 |
| Commerce | 53 |
| Home Economics | 59 |
| Industrial Arts | 63 |
| Library Science | 66 |
| Fine Arts: | |
| Art | 67 |
| Music | 70 |
| Biological and Physical Sciences: | |
| Biology | 77 |
| Chemistry | 80 |
| General Science | 77 |
| Geology | 82 |
| Physics | 83 |
| Education | 85 |
| Health and Physical Education: | |
| Health | 94 |
| Physical Education | 96 |
| Languages: | |
| English | 99 |
| French | 106 |
| Latin | 108 |
| Mathematics | 111 |
| Social Sciences: | |
| Economics | 114 |
| Geography | 116 |
| Government | 120 |
| History | 121 |
| Sociology | 124 |
| Experimental Curricula: | |
| Application for a Degree | 128 |
| Certificates, Requirements for: | |
| College Elementary Certificate | 128 |
| Renewal and Extension | 129 |
| Standard Certificate | 129 |
| Course Requirements at the Different Levels of Instruction | 127 |
| Curriculum for Major: | |
| Art | 130 |
| Commerce | 132 |
| Elementary Education | 134 |
| English | 136 |
| Foreign Language | 138 |
| Geography and Geology | 140 |
| Health and Physical Education | 142 |
| History | 144 |
| Home Economics (Vocational) | 146 |
| Industrial Arts | 148 |
| Liberal Arts | 150 |
| Mathematics | 152 |
| Music | 154 |
| Science | 156 |
| Major and Minor Requirements | 128 |
| Requirements for Degrees | 126 |
| Selection of Major and Minor Subjects | 127 |
| General Information: | |
| Admission Requirements | 38 |
| Alumni Association | 42 |
| Buildings and Grounds | 23 |

| | Page |
|--|------|
| Chapel Programs | 35 |
| Christian Associations | 43 |
| College Book Store and Post Office | 35 |
| Commencement | 42 |
| Concert Series | 36 |
| Course Numbers | 39 |
| Courses, How to Drop | 42 |
| Credits, Explanation of | 40 |
| Discipline | 35 |
| Entrance Units | 38 |
| Expenses: | |
| Board | 31 |
| Fees | 32 |
| Room Rent | 29 |
| Extension Division | 45 |
| Function | 21 |
| Grading System | 40 |
| Health Service | 36 |
| History | 22 |
| Loans and Scholarships | 34 |
| Location | 23 |
| Physical Education | 37 |
| Publications | 36 |
| Student Employment | 33 |
| Student Load | 41 |
| Student Organizations | 43 |
| Training Schools | 46 |
| Withdrawals | 42 |
| Work Standard of | 41 |
| Organization: | |
| Administrative Staff | 17 |
| Board of Regents | 6 |
| Executive Committee | 6 |
| Faculty | 8 |
| Faculty Committees | 18 |
| Faculty Organization | 18 |
| Library Staff | 16 |
| Officers of the Board | 6 |

1934—The College Calendar—1935

FIRST SEMESTER

| | | |
|------------------|-----------------------|------------------------------------|
| September 14, 15 | Friday, Saturday..... | Registration of Freshmen |
| September 17 | Monday..... | Registration of Upper Classmen |
| September 17 | Monday..... | Entrance examinations |
| September 18 | Tuesday..... | Classes begin |
| September 24 | Monday..... | Last day to register for full load |
| October 9 | Tuesday..... | Last day to register for credit |
| November 29 | Thursday..... | Thanksgiving (Holiday) |
| December 18 | Tuesday, 4:00 P. M. | Christmas vacation begins |
| January 2 | Wednesday..... | Class work resumes |
| January 25 | Friday..... | Semester closes |

SECOND SEMESTER

| | | |
|-------------|----------------|------------------------------------|
| January 28 | Monday..... | Registration |
| January 28 | Monday..... | Entrance examinations |
| January 29 | Tuesday..... | Classes begin |
| February 4 | Monday..... | Last day to register for full load |
| February 19 | Tuesday..... | Last day to register for credit |
| April 1 | Monday..... | Registration for Spring Term |
| April 1 | Monday..... | Entrance examinations |
| April 2 | Tuesday..... | Classes begin |
| April 3 | Wednesday..... | Last day to register for full load |
| April 8 | Monday..... | Last day to register for credit |

(Commencement Season)

| | | |
|--------|----------------|-----------------------|
| May 26 | Sunday..... | Baccalaureate Address |
| May 29 | Wednesday..... | Commencement |
| May 31 | Friday..... | Semester closes. |

ORGANIZATION

BOARD OF REGENTS

JAMES H. RICHMOND

State Superintendent of Public Instruction, Ex-Officio Chairman

J. W. CAMMACK, Owenton, Kentucky

Term Expires 1936

H. D. FITZPATRICK, Prestonsburg, Kentucky

Term Expires 1936

JOHN NOLAND, Richmond, Kentucky

Term Expires 1938

H. M. BROCK, Harlan, Kentucky

Term Expires 1938

OFFICERS OF THE BOARD

JAMES H. RICHMOND, Chairman

H. M. BROCK, Vice-Chairman

J. W. CAMMACK, Secretary

KATHERINE MORGAN, Assistant Secretary

SPEARS TURLEY, Treasurer

EXECUTIVE COMMITTEE

Board of Regents, President, and Treasurer

COUNCIL ON PUBLIC HIGHER EDUCATION

The Council on Public Higher Education is composed of "the presidents and a member of the board of regents other than the Superintendent of Public Instruction of each of the following institutions of higher learning for white persons: University of Kentucky, Eastern Kentucky State Teachers College, Western Kentucky State Teachers College, Murray State Teachers College, and Morehead State Teachers College; three appointive members of the board of trustees of the University of Kentucky; two lay members of the State Board of Education; the dean of the College of Education of the University of Kentucky; and the Superintendent of Public Instruction."

Faculty

H. L. DONOVAN, A. B., M. A., Ph. D., LL. D. President

Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Teachers College, Columbia University; graduate student, University of Chicago; Ph. D., George Peabody College for Teachers; LL. D., University of Kentucky.

WILLIAM C. JONES, B. S., A. M., Ph. D. Dean of the Faculty; Director of Research; Professor of Education
B. S., East Texas State Teachers College; A. M., Colorado State Teachers College; Ph. D., George Peabody College for Teachers.

KERNEY M. ADAMS, A. B., A. M. Associate Professor of History
Diploma, Eastern Kentucky State Normal School; A. B., University of Kentucky; A. M., Cornell University; two years additional graduate work, Cornell University and Harvard University.

MARY L. ADAMS, B. S., M. A. Assistant Professor of Home Economics; Supervising Teacher, Model High School
B. S., University of Kentucky; M. A., Teachers College, Columbia University; one quarter additional graduate work, Teachers College, Columbia University.

ANNIE ALVIS, A. B., M. A. Assistant Professor of Elementary Education; Supervising Teacher, Elementary Training School
A. B., State Teachers College, Farmville, Virginia; M. A., Teachers College, Columbia University.

MRS. MARY EDMUNDS BARNHILL, A. B., M. A., LL. B. Associate Professor of English
Diploma, Western Kentucky State Normal School; A. B., University of Kentucky; M. A., Ohio State University; LL. B., University of Louisville; graduate student, Ohio State University.

G. O. BRYANT, A. B., A. M. Assistant Professor of Mathematics; Supervising Teacher, Model High School
Diploma, Western Kentucky State Normal School; A. B., A. M., University of Kentucky.

PEARL L. BUCHANAN, A. B., M. A. Associate Professor of English
A. B., Southwestern University; graduate student, University of Oklahoma and Northwestern University; M. A., George Peabody College for Teachers.

VIRGIL BURNS, A. B., M. A. Assistant Professor of History
and Government

Diploma, Western Kentucky State Normal School; student, Bowling Green Business University; A. B., University of Kentucky; M. A., Teachers College, Columbia University; one year additional graduate work, Columbia University.

MARY KING BURRIER, B. S., M. S. Assistant Professor of
Home Economics

Diploma, Hamilton College; B. S., M. S., University of Kentucky; graduate student, Columbia University.

C. E. CALDWELL, A. B., B. S., A. M. Associate Professor of
Mathematics

A. B., Marietta College; B. S., National Normal University; A. M., Ohio State University; two years additional graduate work, Ohio State University.

JANE CAMPBELL, B. Mus., A. B., A. M. Assistant Professor of Music

B. Mus., Taylor University; A. B., Eastern Indiana State Normal School; graduate work, Eastern Indiana State Normal School; A. M., Columbia University; student, University of Paris.

KATIE CARPENTER, A. B., A. M. Assistant Professor of Elementary
Education; Supervising Teacher,
Rural Demonstration School

A. B., Eastern Kentucky State Teachers College; A. M., University of Kentucky.

ASHBY B. CARTER, B. S., M. A. Associate Professor of Agriculture

Student, University of Richmond, University of Virginia and Virginia Mechanics Institute; B. S., M. A., George Peabody College for Teachers; graduate student, Columbia University and University of Kentucky.

MRS. EMMA YOUNG CASE, A. B., M. A. Associate Professor of
Education; Dean of Women

Student, University of Kentucky; A. B., Eastern Kentucky State Teachers College; M. A., George Peabody College for Teachers.

ROY B. CLARK, A. B., A. M., Ph. D. Professor of English

Diploma, Nebraska State Normal School; A. B., University of Nebraska; A. M., Ph. D., Columbia University.

J. DORLAND COATES, B. S., M. A. Assistant Professor of Industrial
Arts and Science; Supervising
Teacher, Model High School

B. S., Eastern Kentucky State Teachers College; M. A., George Peabody College for Teachers.

MEREDITH J. COX, B. S., M. A. Professor of Chemistry

Diploma, Warren Academy; B. S., M. A., George Peabody College for Teachers; two years additional graduate work, Columbia University, University of Wisconsin, and Duke University.

10 EASTERN KENTUCKY STATE TEACHERS COLLEGE

- NOEL B. CUFF, B. S., A. M., Ph. D. Professor of Educational Psychology
B. S., A. M., Ph. D., George Peabody College for Teachers.
- N. G. DENISTON, B. M. T., B. S., M. S. Associate Professor of Industrial Arts
B. M. T., Valparaiso University; student, Stout Institute, Massachusetts Institute of Technology; B. S., Bradley Polytechnic Institute; graduate student, University of Chicago; M. S., Kansas State Teachers College of Pittsburg.
- LUCILE DERRICK, B. S. Assistant Professor of Mathematics; Assistant to Director of Research
B. S., Eastern Kentucky State Teachers College; graduate work, George Peabody College for Teachers.
- RUTH DIX, B. S., M. A. Associate Professor of Home Economics
Student, Bradley Polytechnic Institute and University of Illinois; B. S., Bradley Polytechnic Institute; M. A., Teachers College, Columbia University.
- J. T. DORRIS, A. B., A. M., Ph. D. Professor of History and Government
A. B., Illinois College; A. M., University of Wisconsin; Ph. D., University of Illinois.
- RICHARD A. EDWARDS, A. B., A. M. Professor of Education; Director of Training School
A. B., University of Kentucky; A. M., Columbia University.
- FRED A. ENGLE, A. B., A. M. Assistant Professor of Mathematics
Student, Cumberland College, University of Chicago; A. B., A. M., University of Kentucky; two years additional graduate work, University of Kentucky.
- JACOB D. FARRIS, A. M., M. D. Professor of Health Education; College Physician
Diploma, Western Kentucky State Normal School and Teachers College; student, University of Chicago; A. M., George Peabody College for Teachers; M. D., Vanderbilt University.
- D. THOMAS FERRELL, A. B., M. A. Associate Professor of Education
A. B., A. M., Duke University; M. A., Teachers College, Columbia University; two years additional graduate work, George Peabody College for Teachers; one quarter, Trinity College, Dublin, Ireland.
- MARY FLOYD, A. B., M. A., B. S. in Library Service Associate Professor of History; Librarian
A. B., Eastern Kentucky State Teachers College; M. A., Teachers College, Columbia University; graduate student, University of Chicago; B. S. in Library Service, Columbia University.

- EDITH G. FORD, B. C. S., A. B., A. M.** Assistant Professor
of Commerce
Diploma, Louisiana State Normal College; B. C. S., Bowling Green
Business University; A. B., George Washington University; A. M.,
University of Kentucky; student, University of Paris.
- ALLIE FOWLER, B. S., M. A.** Assistant Professor of Art
B. S., M. A., George Peabody College for Teachers.
- MAUDE GIBSON** Assistant Professor of Art
Graduate, Lebanon Normal; two years' course in public school
art, Teachers College, Miami University; student, New York School
of Applied Design and Teachers College, Columbia University.
- ANNA D. GILL, B. C. S., A. B., M. A.** Assistant Professor
of Commerce
B. C. S., Bowling Green Business University; student, Chicago
Gregg School and Western Kentucky State Teachers College; A. B.,
M. A., University of Kentucky; one year additional graduate work,
Columbia University.
- P. M. GRISE, A. B., M. A.** Assistant Professor of English;
Supervising Teacher, Model High School
A. B., Western Kentucky State Teachers College; M. A., George
Peabody College for Teachers.
- G. M. GUMBERT, B. S., M. S.** Assistant Professor of Agriculture
B. S., M. S., University of Kentucky.
- MAY C. HANSEN, B. S., M. A.** Associate Professor of Education
Diploma, Oshkosh State Teachers College; student, University
of Chicago and Columbia University; B. S., George Peabody College
for Teachers; M. A., Teachers College, Columbia University.
- ELIZA M. HANSON, A. B., M. A.** Assistant Professor of History;
Supervising Teacher, Model High School
Diploma, Eastern Kentucky State Teachers College; A. B., Uni-
versity of Kentucky; M. A., George Peabody College; graduate stu-
dent, University of Colorado, University of Kentucky, and University
of Chicago.
- GEORGE N. HEMBREE, B. C. S., A. B.** Assistant Professor of Health
and Physical Education
Student, Eastern Kentucky State Teachers College, University of
Illinois, and George Peabody College for Teachers; B. C. S., Bowling
Green Business University; A. B., University of Kentucky; graduate
student, University of Kentucky.
- THOMAS C. HERNDON, B. S., M. A., Ph. D.** Professor of Chemistry
B. S., University of Kentucky; graduate student, University of
Chicago; M. A., Ph. D., George Peabody College for Teachers.

- GERTRUDE M. HOOD, A. B., A. M. Assistant Professor of Health
and Physical Education
A. B., Ohio Wesleyan University; A. M., Columbia University.
- CHARLES T. HUGHES, A. B. Assistant Professor of Physical
Education; Athletic Coach
Diploma, Morton-Elliott Junior College; A. B., University of Ken-
tucky; graduate student, University of Michigan.
- ELIZA HUGHES, B. S., A. M. Assistant Professor of Health
and Physical Education
Diploma, New Haven Normal School of Gymnastics; student, Uni-
versity of Kentucky; B. S., Eastern Kentucky State Teachers Col-
lege; A. M., Columbia University.
- ARNIM DEAN HUMMELL, B. S., M. S., Ph. D. Professor of Physics
B. S., Knox College; M. S., Ph. D., University of Illinois.
- WILLIAM L. KEENE, B. S., M. A. Associate Professor of English
Diploma, Middle Tennessee State Normal School; B. S., M. A.,
George Peabody College for Teachers; two years additional graduate
work, George Peabody College for Teachers.
- CHARLES A. KEITH, B. A., M. A., Ped. D. Professor of History and
Government; Dean of Men
Student, University of Arkansas and University of Texas; B. A.,
M. A., Oxford University; Honorary Doctor of Pedagogy, Ohio North-
ern University; one year and two summer terms' additional graduate
work, Indiana University.
- L. G. KENNAMER, A. B., B. S., M. A., Ph. D. Professor of Geography
and Geology
A. B., Simmons University; student, University of Wisconsin;
B. S., M. A., Ph. D., George Peabody College for Teachers.
- LILLY ELNORA KOHL, B. S., M. S. Assistant Professor of Home
Economics; Cafeteria Manager
B. S., Tri State College; M. S., University of Chicago.
- HARRIETTE V. KRICK, A. B., Ph. D. Associate Professor of Biology
A. B., Hiram College; Ph. D., University of Chicago.
- CORA LEE, B. S., M. A. Assistant Professor of English;
Supervising Teacher, Model High School
B. S., George Peabody College for Teachers; M. A., Teachers Col-
lege, Columbia University.
- MARGARET LINGENFELSER, A. B., M. A. Assistant Professor of
Elementary Education; Supervising
Teacher, Elementary Training School
A. B., Eastern Kentucky State Teachers College; M. A., Teachers
College, Columbia University.

- MRS. HELEN HULL LUTES, B. Mus. Assistant Professor of Music;
Teacher of Violin
Diploma in Music, Ohio State Teachers College; B. Mus., University of Michigan.
- THOMAS E. McDONOUGH, B. S., M. A. Associate Professor of Health
and Physical Education
Diploma, La Crosse Teachers College; student, Columbia University; B. S., M. A., George Peabody College for Teachers.
- MARY FRANCES McKINNEY, B. S., M. A. Associate Professor
of Geography
Diploma, Eastern Kentucky State Teachers College; B. S., M. A., George Peabody College for Teachers.
- MELVIN E. MATTOX, B. S., M. A. Professor of Education; Registrar
Diploma, Mississippi State Normal School; B. S., M. A., George Peabody College for Teachers; one year additional graduate work, George Peabody College for Teachers.
- ELEANOR MEBANE, A. B., M. A. Assistant Professor of Art
A. B., University of Indiana; M. A., George Peabody College for Teachers; student, Art Institute of Chicago, one year; student, Chicago Academy of Fine Arts, two years; student, Art Students' League, New York, one year; student, New York School of Fine and Applied Arts, four months; student, Pennsylvania Academy of Fine Arts, one year; Summer School of Modern Art, Chatham, Massachusetts, one month.
- WILLIAM J. MOORE, A. B., A. M., Ph. D. Professor of Economics
Diploma, Eastern Kentucky State Normal School; student, College of Law, University of Kentucky; A. B., A. M., Ph. D., University of Kentucky.
- MRS. JANET MURBACH, A. B., A. M. Associate Professor of French
A. B., Oberlin College; student, University of Paris and University of California; A. M., University of Kentucky; one year graduate study, University of Toulouse, France.
- SMITH PARK, B. S., M. S., Ph. D. Professor of Mathematics
B. S., M. S., Ph. D., University of Kentucky.
- ALFRED S. PORTWOOD, A. B. Assistant Professor of Physical
Education; Coach of Freshman Athletics
A. B., University of Kentucky; graduate student, University of Michigan and University of Kentucky.
- ELLEN PUGH, A. B., A. M. Assistant Professor of Elementary
Education; Supervising Teacher,
Elementary Training School
A. B., Ohio Wesleyan University; A. M., Ohio State University; two quarters additional graduate work, Ohio State University.

- SAMUEL WALKER, A. B., A. M.** Assistant Professor of History;
Principal, Model High School
A. B., Maryville College; A. M., University of Kentucky.
- ELIZABETH WILSON, B. S., M. A.** Assistant Professor of Elementary
Education; Supervising Teacher,
Elementary Training School
Diploma, Martin College; B. S., M. A., George Peabody College
for Teachers.
- GERMANIA J. WINGO, B. S., M. A.** Assistant Professor of Elementary
Education; Supervising Teacher,
Elementary Training School
Diploma, Virginia State Normal School; B. S., M. A., Teachers
College, Columbia University.

ADMINISTRATIVE STAFF

G. M. BROCK, Business Agent

W. A. AULT, Superintendent Buildings and Grounds

FRED BALLOU, Book Store Clerk

LOIS COLLEY, Secretary to Business Agent

MAYME COOPER, Secretary, Director of Extension

AUGUSTA DAUGHERTY, Cashier and Stenographer

LUCILE DERRICK, B. S., Assistant to Director of Research

BESSIE H. GRIGGS, Information Clerk

LILLY ELNORA KOHL, B. S., M. S., Supervisor of Cafeteria

R. H. MATHERLY, Assistant in Cafeteria

E. P. McCONNELL, Bookkeeper

INEZ McKINLEY, Assistant Bookkeeper and Stenographer

KATHERINE MORGAN, Secretary to the President

MRS. HELEN W. PERRY, Stenographer, Registrar's Office

MARIE L. ROBERTS, Housekeeper, Sullivan Hall

MAYE M. WALTZ, Secretary to Dean

EDNA WHITE, Registered Nurse

EUNICE WINGO, Secretary to Dean of Women.

Faculty Organization

DIVISIONS OF INSTRUCTION

1. APPLIED ARTS AND SCIENCES.....William J. Moore, Chairman
2. FINE ARTS.....James E. Van Peurseem, Chairman
3. BIOLOGICAL AND PHYSICAL SCIENCES.....Meredith J. Cox,
Chairman
4. EDUCATION.....William C. Jones, Chairman
5. HEALTH AND PHYSICAL EDUCATION.....Dr. Jacob D. Farris,
Chairman
6. LANGUAGES.....Roy B. Clark, Chairman
7. MATHEMATICS.....Smith Park, Chairman
8. SOCIAL SCIENCE.....Charles A. Keith, Chairman

COMMITTEES

Alumni and Senior Class

Moore, Adams, Carpenter, Case, Coates, Derrick, Floyd, Hughes,
Lingenfelter, McKinney, Park, Richards Story, Tyng
Meets first Tuesday of each month at 4:10 P. M.

Certification and Graduation

Kennamer, Caldwell, Case, Farris, Hummell, Jones, Mattox
Meets on call of the chairman

Student Schedules

Keith and others as assigned

Credits and Credentials

Mattox, Carter, Clark, Cuff, Herndon, Jones, Park, Gumbert
Meets on first Monday each semester, mid-semester, and each summer
term, at 4:10 P. M.

Entrance Examinations

Moore, Barnhill, Burns, Gill, Jones, McKinney, Mattox, Walker
Meets on call of chairman

Fine Arts and Entertainment

Farris, Buchanan, Caldwell, Campbell, Lutes, Kennamer, Mebane,
Murbach, Telford, Tyng, Van Peurseem
Meets on the first Wednesday of each month at 4:10 P. M.

Library

Floyd, Park, Carter, Clark, Cox, Edwards, Jones, Keith, Kennamer,
McDonough, Ford, Rumbold

Meets on the first Tuesday of each month at 4:10 P. M.

The Training School

Edwards, the critic teachers, and the teachers of education

Meets on call of the chairman

Athletics

McDonough, Farris, Hughes, C. T., Richards, Hummell
Meets on the second Friday of each month at 4:10 P. M.

Societies, Clubs, and Forensics

Clark, Barnhill, Burns, Dix, Dorris, Ferrell, Ford
Meets on second Tuesday of each month at 4:10 P. M.

Student Publications

Rumbold, Cuff, Deniston, Gibson, Hood, Keene, Richards
Meets on second Wednesday of each month at 4:10 P. M.

Eastern Kentucky Review—Catalog

Dorris, Clark, Edwards, Keene, Krick, Mattox, Schnieb
Meets on second Thursday of each month at 4:10 P. M.

Curriculum

Jones, Clark, Cox, Dix, Dorris, Edwards, Hansen, Park,
Mattox, Moore, Tyng

Meets on third Friday of each month at 4:10 P. M.

Student Welfare, Discipline, and Grievances

Donovan, Case, Farris, Jones, Keith, Barnhill
Meets on call of the chairman

Rules and Regulations

Park, Caldwell, Carter, Edwards, Jones, Keith, Mattox, Fowler
Meets on call of the chairman

Socials and Receptions

Hughes, Burrier, Farris, Fowler, Krick, McKinney, Richards;
ex-officio, Case, Keith
Meets on call of chairman

Extension

Carter, Adams, Dorris, Engle, Hembree, Jones, Mattox
Meets on the fourth Tuesday of each month at 4:10 P. M.

Student Loans, Scholarships and Fellowships

Cox, Brock, Case, Cuff, Keith, McDonough, Portwood, Schnieb
Meets on call of the chairman

Student Labor

Farris, Case, Carter, Floyd, Kohl, McDonough, Brock, Jones

GENERAL INFORMATION

FUNCTION

The primary function of the Eastern Kentucky State Teachers College is that of educating teachers, supervisors, and administrators for the public rural and urban elementary and secondary schools of the state. The college has as its aim the development of both culture and skill in the technique of teaching. These two phases—the attainment of scholarship and a mastery of the art of teaching—constitute the companionate purposes of the institution.

There are other subsidiary functions of the college. These are the operation of the training school, field service, research, the development of ethical professional standards or ideals, and supplementary service.

Training School—The training school is an integral part of the college and is as indispensable to the program of teacher training as a hospital is to the medical school.

Field Service—It is the function of the college to render to the state different field services in the promotion of a system of public education.

Research—It is the function of the institution to discover better ways of teaching through the use of research and experimentation.

The Development of Ethical Professional Standards or Ideals—The institution assumes the responsibility for developing ethical professional standards or ideals.

Supplementary Service—The college courses necessary for entering the professional schools of many of the learned professions are offered. These courses are given as a part of the regular program of the College and do not involve additional cost to the State. An increasing number of students who expect to enter the professions of law, medicine, engineering,

and others, are taking their pre-professional college work at Eastern. This work is fully recognized by the leading professional schools of the country.

HISTORY

On January 6, 1906, the bill creating the State Normal Schools was introduced by Hon. R. W. Miller, of Madison County, in the lower house of the General Assembly of Kentucky. The measure was put on its final passage in the House on March 2, and in the Senate on March 9, and received the unanimous support of both Houses. It was signed by Governor Beekham on March 21, and as the bill carried an "emergency clause," it became a law at once.

On April 5, 1906, the Governor appointed the commissioners to locate the two Normal Schools. Messrs. B. M. Arnett of Nicholasville, John Morris of Covington, George Payne of Paducah, George B. Edwards of Russellville, Basil Richardson of Glasgow, E. H. Mark of Louisville, and M. G. Watson of Louisa, constituted the commission.

On May 1, 1906, the commission visited Richmond to inspect the site offered by that city and on May 7 it met in Louisville and named Richmond and Bowling Green as the homes of the new schools. On May 9, 1906, the first Board of Regents was named: Hon. James H. Fuqua, Sr., State Superintendent of Public Instruction, ex-officio Chairman; Hon. J. A. Sullivan, Richmond, Ky.; Mr. P. W. Grinstead, Cold Springs, Ky.; Hon. Fred A. Vaughan, Paintsville, Ky.; Senator J. W. Cammack, Owenton, Ky.

The Regents met on June 2 and elected Rurie Nevel Roark, at the time an honorary fellow in Clark University, as President of the Eastern School. The Model School opened September 7, 1906; the Normal School opened for students on January 15, 1907. Dr. Roark died April 14, 1909, and Mrs. Roark was elected acting president on April 16. She served in this capacity until March 18, 1910, when John Grant Crabbe, then Superintendent of Public Instruction, was elected president. Dr. Crabbe served as president until September 1, 1916. On June 16, 1916, he resigned to take effect September

1, to accept the presidency of Teachers College, Greeley, Colorado. On September 5, 1916, the Board of Regents met at Lexington, Kentucky, and elected T. J. Coates, State Supervisor of Rural Schools, to the presidency of the institution. Mr. Coates entered upon his term of office September 7 and continued in office until his death, March 17, 1928. Dr. Homer E. Cooper, Dean, was elected acting president March 19 and served in this capacity until June 1. The Board of Regents met in Louisville on March 26, 1928, and elected H. L. Donovan, Professor of Education of Peabody College, president of the institution. Mr. Donovan was formerly dean of the faculty of Eastern.

LOCATION

The home of the Eastern Kentucky State Teachers College is a city of about 8,000 population, situated on the L. & N. Railway trunk line from Cincinnati to Knoxville, and the L. & N. running east and west.

Richmond is on the border line between the blue grass and the mountains, and the surrounding scenery shows the beauty of both regions. From the campus can be seen the blues and purples of the mountain range, and from the top of University Hall there is a splendid view of the rich grass lands and farms rolling to the west.

BUILDINGS AND GROUNDS

Richmond gave to the State for the home of Eastern Kentucky State Teachers College the buildings and campus of old Central University, the famous Presbyterian institution which was removed to Danville and united with Centre College in 1901. The campus lying between South Lancaster Avenue and South Second Street is one of the most beautiful in the south. It has a splendid sweep of blue-grass turf, thickly set with fine maple and other trees. Our present buildings include:

University Building—This building was erected by Old Central University in 1874. The model senior high school now occupies this building, which was recently remodeled. Extensive improvements were made to modernize the interior of the building.

Industrial Arts Building—This building houses the Department of Industrial Arts, including the woodworking and industrial arts shops and drafting rooms. Complete woodworking equipment, including lathes, band saws, circular saws, planers and jointers, is installed in this building. The building was formerly occupied by the preparatory school of Old Central University.

The President's Home—This building is situated on the northwest corner of the campus, facing Lancaster Avenue, just north of the Administration Building. It is a large two-story brick building.

Ruric Nevel Roark Building—This building is named in honor of the first president. It was erected in 1909. The laboratories for physics, chemistry, and biology are located in this building. These laboratories are well equipped for special and individual study. The building also contains several lecture and class rooms.

James W. Cammack Building—It was constructed in 1918 and was recently remodeled and refurnished. The building was designed and is used entirely for the elementary grades. It contains laboratories, classrooms, practice rooms, offices and assembly rooms.

John Grant Crabbe Library—This building was constructed in 1923 and is named in honor of the second president of the institution. It is a two-story fireproof structure and is used exclusively for library purposes. The building contains approximately 33,000 volumes, a large picture collection, and several thousand pamphlets. A room is set apart and is used to house the John Wilson Townsend collection of Kentucky books. Many valuable additions have been made to this collection recently.

A unique feature of the library is the juvenile library. This contains the best available literature for children. It is used by the children of the training school and also serves as a laboratory for college students who are enrolled for courses in Library Science.

Memorial Hall—Memorial Hall is the dormitory for men. It is modern, well equipped, and completely furnished. It accommodates approximately 150 students.

Sullivan Hall—This building is modern in every respect. It accommodates approximately 175 women students.

Burnam Hall—This building is a beautiful dormitory for women, recently constructed. It is a fireproof structure and accommodates 316 students. The rooms are arranged in suites of two with private bath. A spacious lobby, beautifully furnished, occupies the entire front central section of the first floor of this building. In this building is located the cafeteria, which has a seating capacity for 620. In addition to the cafeteria, there are small private dining rooms and kitchens which are to be used for entertainments of clubs and societies. There is also a large recreation room for women students. A well equipped laundry is provided for the use of students.

The Thomas Jackson Coates Administration Building—This building erected in 1928 is located between Roark Building and the President's home on Lancaster Avenue. It contains the administrative offices, departmental offices, fourteen classrooms, the college bookstore and college postoffice. This magnificent building was recently named in honor of Eastern's third president, Thomas Jackson Coates.

Hiram Brock Auditorium—The Auditorium was erected in 1930 and adjoins the Coates Administration Building. It has a seating capacity of 2,000. The stage is 40 x 30 feet and is fully equipped with the most modern devices for handling stage scenery and settings. The stage curtains and draperies are of handsome silk plush. A fully equipped projection room for the exhibition of motion pictures is provided. The Department of Music is accommodated in the Auditorium building and occupies ten studios and classrooms.

Weaver Health Building—The new Weaver Health Building named in honor of the late Hon. Charles F. Weaver of Ashland, Kentucky, a former member of the Board of Regents, was opened for class work at the beginning of the spring term, 1931. It is one of the largest and best equipped buildings on the campus. It is a three-story structure of brick, steel, and concrete and is 100 feet by 220 feet. It contains complete gymnasium facilities, including a large gymnasium 110 feet by 90 feet with a seating capacity of 2,000 and a small gymnasium 74 by 40 feet. All necessary apparatus for physical education has

been installed in the building. The locker rooms located on the ground floor contain 1,065 steel lockers for the use of students. A feature of the building is an official-size, tile swimming pool which is equipped with all necessary machinery for heating, filtering, and purifying the water. The building contains classrooms and laboratories for the departments of physical education and health, the office of the college physician, and offices for the physical education staff.

The Central Heating Plant—The Central Heating Plant erected in 1909 contains all the necessary equipment, including boilers and pumps, for heating all the buildings on the campus. Recently a new 300-horsepower boiler with necessary mechanical stoker and forced draft was installed at the plant. A new smoke stack was also erected.

New Stateland Hall—This is a large and beautiful brick dwelling situated on the farm. It is used for Home Management work in connection with the Smith-Hughes course in Home Economics. It has been furnished and equipped for this work. It is modern in every respect.

New Stateland Farm—Eastern owns an excellent farm of 180 acres. This farm was purchased in January, 1923. It bounds the original campus on the east and south. In many respects the acquisition of the farm represents one of the finest assets the school has acquired in the history of the institution. The fact that it is contiguous to the campus makes it possible for the classes in agriculture to use the farm as a laboratory without loss of time in moving from the classroom to the farm. The activities of the farm are those which are usually found in this part of the State. There is a dairy herd composed of purebred Holsteins. These cows furnish milk for the cafeteria.

Dairy Barn—A model dairy barn with a capacity of thirty dairy cows has recently been erected on New Stateland Farm.

This farm is owned and operated for the following purposes:

1. To be used by the Department of Agriculture for laboratory and demonstration purposes.

2. To give a limited number of students attending the institution work to help pay expenses.

3. To furnish the dormitories with milk, eggs, meat, and vegetables in season, thus lowering the cost of living to students in the school.

While New Stateland is in no sense a commercial enterprise, it is expected to do all the things mentioned above, to pay its expenses, and to pay gradually for needed improvements.

EXPENSES

ROOM, BOARD AND FEES

THE DORMITORIES

Students living in Eastern's dormitories are provided with all the comforts and conveniences of the modern home. Burnam Hall and Sullivan Hall are the women's dormitories and Memorial Hall is the men's dormitory.

Spacious recreation and club rooms are provided in Burnam Hall. Women students receive their visitors in the recreation room and many social functions are held there.

Both men and women students are required to occupy dormitory rooms while rooms are available on the campus. After the dormitories are filled students may take rooms in private homes in Richmond, but should not engage rooms without first consulting the Dean of Women or the Dean of Men. Students are required to room in homes listed by the college when living off the campus.

All students not living in their own homes, whether rooming in the dormitories or in private homes or rooming houses, are alike subject to the regulations, control and supervision of the college.

Rooms for Women Students—Practically all rooms in the women's dormitories are two-student rooms, but there are a few corner rooms to which three students are assigned. The dormitories will accommodate 435 women students. Rooms in Burnam Hall and Sullivan Hall are completely furnished, steam heated, and lighted by electricity. Hot and cold water is furnished in all rooms in these buildings. Each suite of two rooms in New Burnam Hall has a private bath.

Rooms for Men Students—The men's dormitory will accommodate approximately 150 men, is completely furnished, lighted by electricity, heated by steam, equipped with baths and showers and is comfortable and convenient at all seasons of the year. All rooms are equipped with lavatories supplying hot and cold water. Most rooms accommodate two students, a few three students.

Rate of Room Rent in Dormitories—The rate of room rent for rooms in the dormitories varies according to the location, furnishings, equipment and the number of students occupying a room. Rooms in New Burnham Hall arranged in suites of two with private bath, rent at a higher rate than rooms in Sullivan and Memorial Halls, where central bath-rooms are located on each floor. All rooms not having bath adjoining are equipped with lavatories supplying hot and cold water.

ROOM RENT RATES

BURNHAM HALL:

| | | |
|-------------------------------------|--------|----------------------|
| Front rooms | \$2.25 | per week per student |
| Outside rooms—South section | 2.00 | “ “ “ “ |
| Inside rooms—on court | 1.80 | “ “ “ “ |
| Front rooms—North section | 1.50 | “ “ “ “ |
| All other rooms—North section | 1.35 | “ “ “ “ |

All rooms have single beds except those renting at \$1.35.

SULLIVAN HALL:

| | | |
|---|------------------|----------------------|
| Front rooms | \$1.35 to \$1.50 | per week per student |
| All other rooms except fourth floor | 1.35 | per week per student |
| Rooms on fourth floor..... | 1.00 | per week per student |

All rooms have single beds except those renting at \$1.00.

MEMORIAL HALL:

| | | |
|-----------------------|------------------|----------------------|
| Front rooms | \$1.35 to \$1.80 | per week per student |
| Annex rooms | 1.50 to 1.80 | per week per student |
| All other rooms | 1.35 to 1.50 | per week per student |

Dormitory Room Reservations—The Room Deposit Fee—Students desiring to have rooms reserved in the dormitories should write the Business Agent for application card, which will be forwarded immediately. When applying for dormitory reservations, students should mention the price of room preferred.

Applications for room reservations are filed in the order in which they are received and in that order rooms are reserved. Rooms for the fall semester can generally be assigned promptly upon receipt of applications. Room reservations

for the second semester and summer school cannot be made until the number of students vacating the dormitories at the close of the preceding term is determined. Frequently it is necessary to defer issuing assignments for the second semester and summer school until a short time before the beginning of these terms.

When the room assignment is received by the student, a room deposit fee of \$5.00 must be paid within ten days to make the reservation permanent. This fee is retained by the college, as a guarantee of the proper care of room and furnishings, until the termination of the student's stay in the dormitory, at which time the whole, or such part of it as may be due after deduction for damage is made, will be refunded to the student.

Room Reservations are void unless claimed by 6:30 P. M. Monday, the opening day of the Semester or Term, and the Fee is forfeited—Room reservations are not transferable.

Do not send a reservation fee until you have received a dormitory assignment.

To receive refund of the reservation fee, the holder of a reservation must give notice of cancellation of the room reservation not later than ten days before the opening of the term for which the reservation is made and surrender receipt issued for payment of this fee.

Care of Rooms in Dormitories—Students living in the dormitories are expected to care for their rooms and to keep them clean and orderly. The college attempts to make it possible for students to live in a refined atmosphere and under good living conditions; therefore, it expects those who occupy rooms in the dormitories to keep them in good condition. Students are expected to be economical in the use of water, lights, and heat. Lights should always be turned off when leaving rooms. A committee of the faculty will visit dormitory rooms at regular intervals and if lights are found on when students are absent from their rooms, a charge of 25c will be made for each offense.

Articles To Be Furnished by Students—Whether rooming on the campus or in private homes, students are required to take care of their rooms and to furnish two pairs of pillow

cases, three sheets, spreads and comforts or blankets, towels, soap, and runners for table and dresser.

Rooms for Married Couples and Families—Among the Richmond homes offering rooms to students many have facilities for light housekeeping and frequently small homes may be rented furnished and unfurnished. Prospective students desiring such rooming places are advised to communicate with the institution in advance of their entrance that they may receive a list of the homes offering such accommodations.

BOARD

Board is provided in the cafeteria in Burnam Hall. This cafeteria is equipped to serve about a thousand students. Cafeteria coupon books, good for \$5.00 in board, are on sale at the Business Office and may be purchased as needed. The average cost of board is \$3.75 a week.

Men and women students occupying rooms on the campus are expected to take their meals at the college cafeteria. They are required to pay for five cafeteria coupon books in advance at the beginning of each semester and the mid-semester, and for three coupon books in advance at the beginning of each five-week summer term.

These ticket books contain coupons good for \$5.00 in board. The amount of board required to be paid in advance at the opening of each semester and mid-semester is \$23.00 for which the student will receive five coupon books good for \$25.00 in board. A payment of \$14.25 will be required in advance at the opening of each five-week summer term for which the student will receive three coupon books good for \$15.00 in board.

Students rooming off the campus will receive the benefit of the special discount when purchasing coupon books in the same quantities as required of occupants of the dormitories. **When coupon books are purchased singly, they will be paid for at the rate of \$5.00 each, no discount being allowed.**

Positively no cooking, storage or serving of food will be permitted in dormitory rooms. Any student violating this rule may be asked to release his or her room and in the case of such release of room, no room rent will be refunded.

FEES

Important Notice to Students

All payments of College Expenses made by Students must be by Certified Check, Postal or Express Money Order, Cashier's Check, or Cash—No Personal Checks will be accepted.—This policy has been made necessary through conditions over which the institution has no control and to enable the institution to carry out the provisions of certain laws enacted by the Legislature which require the college to deposit monthly with the State Treasurer all funds received from fees, board, tuition, and other items of income.

Incidental Fee—Each student pays an incidental fee of \$10.00 each semester and \$5.00 for each summer term and spring term. This fee is paid by all students at the time of registration and is not refunded. It entitles the student to—

1. Admission to the regular numbers of the Lectures and Fine Arts Course
2. Subscription to the Eastern Progress
3. Library service
4. Health service, physical education, and athletics.

Tuition—No Tuition is charged residents of Kentucky—Non-residents of Kentucky are charged the following rate:

For one semester \$27.00

Necessary Expenses at Eastern for One Semester—18 Weeks

| | |
|------------------------------------|---------------------|
| Incidental Fee | \$ 10.00 |
| Room Rent in Dormitories | \$18.00 to 40.50 |
| Board in College Cafeteria..... | 46.00 to 72.00 |
| College Post Office Box Rent | .50 |
| | ————— |
| Total Expenses | \$74.50 to \$123.00 |

The following expenses are payable in advance for the semester:

| | |
|---|--------------------|
| Incidental Fee | \$ 10.00 |
| Room Rent in Dormitories..... | \$18.00 to 40.50 |
| Board in College Cafeteria..... | 23.00 |
| College Post Office Box Rent | .50 |
| | ————— |
| Total to be paid in advance on entrance.. | \$51.50 to \$74.00 |

Room rent has been reduced at Eastern. The above rates are 10% lower than formerly.

Cost of Books—The cost of books and supplies for the semester may be estimated at from \$10.00 to \$15.00.

Summer School Expenses are in proportion to expenses for the semester.

Laboratory Fees—The fees to be paid for laboratory courses are indicated in connection with descriptions of these courses in another part of this catalog. All laboratory fees are intended to cover the cost of materials and laboratory service furnished. No excessive laboratory fees are charged. Laboratory fees are paid at the time of registration with other items of expense.

Locker, Lock, and Towel Rental—Students who use lockers in the Weaver Health Building are required to pay a rental of \$1.75 per semester, and \$1.25 per term (spring term and each term of summer school) for use of locker, combination lock for locker, and towel. Students who take advantage of this rental plan receive laundry service for towels and bathing suits for the entire semester or term. When lock and towel are returned at the close of the semester or term 75c of the rental will be refunded.

Fee for Late Registration—Students who register after the first two days of a semester or term are required to pay an additional fee of \$1.00.

Fee for Change of Schedule—A fee of 50c will be charged for each voluntary change which a student makes in his schedule after it has been prepared and approved at the time of registration. Therefore, students are advised to give careful study to the program of classes and the requirements to be met before having class schedule approved. If the change in schedule is requested by the Registrar, the student will not be required to pay the fee.

OPPORTUNITY FOR STUDENT EMPLOYMENT

A limited number of students may earn a part of their expenses by doing various kinds of jobs for the college cafeteria, book store, post office, dormitories, information offices,

farm, etc. Some students may also secure part-time employment in Richmond stores, restaurants, and other business establishments.

Students are advised not to enter expecting employment of this kind unless they have arranged for it in advance. Students are cautioned against attempting to do such outside work unless they are doing a very high grade of work in their classes and have a physical vigor that makes additional duties possible without endangering their health.

As a general rule students should enter prepared to pay all their expenses for at least one semester.

LOANS AND SCHOLARSHIPS

Loans—The student loan fund of the Eastern Kentucky State Teachers College is designed to help worthy students complete their education. The fund has been augmented from time to time by gifts from different individuals and organizations and is being increased annually. Upper-class students and those having high scholarship records will be given preference in granting loans. This fund makes it possible for a worthy student to borrow a small sum at a legal rate of interest on a personal note. Students who desire further information concerning this fund should see the Chairman of the Student Loan Committee.

William Davis Scholarships—Under the provisions of the will of the late William Davis of Newport, Kentucky, a sum of money was left for the benefit of students living in the Lona Estella Davis school district of Rowan county, to be used as scholarships at the Eastern Kentucky State Teachers College. These scholarships are awarded by the superintendent of Rowan county and the president of the Eastern Kentucky State Teachers College. Inquiries concerning these scholarships should be addressed to the superintendent of Rowan county.

Music Scholarships—The college awards annually three scholarships to those students who make the most satisfactory progress in piano, voice, and violin. The value of these scholarships is \$54.00 each.

COLLEGE BOOK STORE AND POST OFFICE

The college book store and post office are located on the ground floor of the Administration Building convenient to all students. Individual lock boxes are furnished in the post office for all students occupying dormitory rooms.

All necessary books and class supplies are carried in the book store for the convenience of students.

CHAPEL PROGRAMS

The College provides chapel programs on Monday, Wednesday, and Friday of each week and the third period is assigned to these programs. These programs constitute an integral part of the work of the Institution. They have been given the unqualified support and endorsement of the Board of Regents, the President, faculty, and students. Students are required to attend these programs. At a meeting of the Board of Regents on March 14, 1931, the following resolution concerning chapel programs was passed:

BE IT RESOLVED, That it is the opinion of the Board of Regents that the chapel programs are a vital part of the instruction offered by a Teachers College. Through such programs as are given at chapel, ideals are created, information disseminated, professional attitudes established, culture of many types brought to students, and school spirit developed. Because of its fundamental value we expect both students and faculty members to attend these programs. In the event a student refuses to attend chapel without being excused, we authorize the President to use such disciplinary measures as he may in his judgment deem expedient to secure cooperation and attendance from such student.

DISCIPLINE

Eastern is responsible to the State for the character and scholarship of its graduates—those who are to teach in the public schools. The institution will, therefore, ask students to withdraw from the school if they are found not to be adapted to the work of teaching, or if they are found unfit or in any way unworthy to become teachers.

But few rules and regulations are necessary. Students are to be ladies and gentlemen under all circumstances. This is the chief requirement. Parents may send their boys and girls here with the assurance that their safety, their general culture and their education will be carefully guarded.

CONCERT SERIES

It is the purpose of Eastern to surround her students with every cultural advantage. To this end much time and effort as well as large sums of money are expended to provide the finest concerts and programs. The foremost talent is employed in order that the students of Eastern may know and enjoy good music as interpreted by finished artists. Each student is able to attend these concerts without additional expense.

PUBLICATIONS

The Milestone—It is the college annual published each year by representatives of the Senior class. This publication contains photographic and statistical records of all organizations and events of the college year. The staff consists of an editor-in-chief, associate editor, business manager, and various department editors, such as art, literary, photographic, advertising, society, and joke.

The Eastern Progress—The Eastern Progress is published by the students and is the newspaper of the college. It is published twice each month during the entire year and is distributed to each student of the institution.

Eastern Kentucky Review—This publication is the official bi-monthly review published by the College. It is edited by the faculty.

HEALTH SERVICE

Eastern maintains a department of health in charge of Dr. Farris, College Physician, and students have the privilege of consulting Dr. Farris for medical advice and attention at all times. Students are given immunizations for various contagious diseases. Hospital rooms are maintained in both the men's and women's dormitories where cases of contagious diseases and other ailments are cared for. Complete physical

examinations are given to freshmen students when they enter the institution for the first time. All students whether living in the dormitories or off the campus are entitled to free advice and service of the health department. A full-time registered nurse resides in one of the women's dormitories and gives her entire attention to the health of the student body. The physician's office is located in the Weaver Health Building and is fully equipped for medical service. Regular office hours are maintained and students are urged to take advantage of the health service.

PHYSICAL EDUCATION

Athletics—Intercollegiate athletic contests are under the supervision of the Faculty Committee on Athletics. The committee is appointed by the President. Eastern is a member of the Southern Intercollegiate Athletic Association and all athletic contests are governed by the eligibility rules of that body. Representative teams are developed in football, baseball, basketball, and tennis. These teams play a complete schedule of games with other colleges. The new gymnasium in the Weaver Health Building has recently been constructed. It provides complete facilities for all types of indoor athletics, including swimming.

Play and Recreation—Eastern affords its students opportunities for play and recreation. Recreational activities, giving credit, is required of all freshmen and sophomores. These activities offered during school hours are varied and seasonal. The aims are to develop regular habits of play, constitutional soundness, and sportsmanship. The utilitarian values of participation in such activities are stressed. Sports, such as playground baseball, volley ball, soccer, speedball, hockey, lacrosse, track and field archery, handball, lower organized games and their modifications, are offered.

Every student has an opportunity to participate in the leisure-time activities which are afforded by seasonal tournaments. These tournaments are organized through the medium of classes, societies, and recreational sections. All have an opportunity to belong to a team. These intramural programs are the vogue throughout the school year.

Eastern is well equipped with gymnasiums, tennis courts, and athletic fields to take care of the recreational and physical needs of its students.

The Swimming Pool—The swimming pool in the Weaver Health Building serves both the College and the Training School. **Only those officially connected with the Institution are permitted to use the pool.** A complete physical examination and a health certificate are required for admission. If you expect to use the pool, see the COLLEGE PHYSICIAN and arrange to take a complete physical examination. Regulation cotton bathing suits are required and admission is strictly according to schedule.

ADMISSION REQUIREMENTS

Graduation from an accredited high school with a minimum of fifteen units so chosen as to include the basic units is required for admission to the freshman class. Credit must be certified by the superintendent or principal of the high school and show graduation. Applicants, who have not graduated, may validate work by taking an examination.

Applicants for admission who have completed high school work in non-accredited institutions may validate their work by taking an examination before the committee in this institution. All applicants who successfully complete these examinations to validate work so distributed as to meet the requirements stated above are regularly admitted to the college department. The examination must include English, plane geometry, algebra, and two other subjects of one unit each.

Experienced teachers over twenty-one years of age who are unable to meet the requirements stated above are admitted to such work as they are qualified to take, but no certificate or degree will be issued until the full entrance requirements have been met. Deficiencies in entrance credit may be satisfied by transmuting college credits to secondary units.

ENTRANCE UNITS

High school credits which are acceptable for meeting the college entrance requirements are outlined below. The figures indicate the maximum and minimum number of units that may be offered in each subject.

1. **Basis Units**—English 3 units, Algebra 1 unit, Plane Geometry 1 unit.

2. **Elective**—In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from Groups A and B, except that not more than four units may be offered from Group B.

GROUP A

| | | | | |
|--------------------------|---------|----|------------------------|-----------|
| English | 1/2 | -4 | Education (including | |
| Foreign Languages | | | Psychology) | 1/2-1 |
| French | 1 | -3 | Sciences | |
| German | 1 | -3 | Biology | 1/2-1 |
| Latin | 1 | -4 | Botany | 1/2-1 |
| Spanish | 1 | -3 | Chemistry | 1/2-1 |
| Mathematics | | | General Science | 1/2-1 |
| Advanced Arithmetic..... | 1/2 | -1 | Geology | 1/2-1 |
| Algebra | 1-1 1/2 | | Physics | 1/2-1 |
| Solid Geometry | 1/2 | | Physical Geography.... | 1/2-1 |
| Trigonometry | 1/2 | | Physiol. and Hygiene | 1/2-1 1/2 |
| History and Civics | | | Sociology | 1/2 |
| History | 1 | -4 | Zoology | 1/2-1 |
| Civics | 1/2 | -1 | | |
| Political Economy | 1/2 | | | |

GROUP B

(Only four units may be offered in this group.)

| | | | |
|--------------------------|-------|----------------------|-------|
| Agriculture | 1/2-4 | Home Economics | 1/2-4 |
| Bookkeeping | 1/2-1 | Shop Work | 1/2-2 |
| Commercial Law | 1/2 | Music | 1/2-1 |
| Commercial Geography.... | 1/2 | Stenography | 1/2-1 |
| Drawing—Freehand | 1/2-2 | Surveying | 1/2 |
| Drawing—Mechanical | 1/2-2 | Salesmanship | 1/2 |

The minimum amount of credit allowed in any subject will be one-half unit.

NUMBERING OF COURSES

Courses are numbered according to the following scheme:

- Courses numbered 100 to 199 inclusive are primarily for freshmen.
- Courses numbered 200 to 299 inclusive are primarily for sophomores.
- Courses numbered 300 to 399 inclusive are primarily for juniors.
- Courses numbered 400 to 499 inclusive are primarily for seniors.

GRADING SYSTEM

Grades are indicated by letters, to each of which is given a certain value in "grade points." The following is the interpretation placed upon the grading system :

| Grade | Meaning | Grade Points |
|-------|-------------|----------------------|
| | | per Semester Hour |
| A | Excellent | 3 |
| B | Good | 2 |
| C | Average | 1 |
| D | Poor | 0 |
| F | Failure | 0 |
| I | Incomplete | |
| Z | Conditioned | |

The grades A, B, C, D, and F, cannot be changed by the instructor. A grade of "D" gives credit toward a certificate or a degree if with such credits the student's standing is 1 or more. A grade of "I" shall be assigned only upon condition the student has been unable to complete the course on time because of unavoidable conditions. A grade of "I" must be made complete within one month after the student re-enters the institution. All grades of "I" automatically become "F" if not completed at the end of a year. The grade of "Z" shall represent a degree of attainment inferior to that of a "D" and shall not entitle the student to any credit but shall promote him to a sequent course in the same department specified by the instructor or head of the department. On completion of this sequent course with a grade of "D" or higher, the mark of "Z" shall be changed automatically to a grade of "D."

The standing of a student is defined as the ratio of his total number of "grade points" to his total number of semester hours credit. In order for a student to fulfill the requirements for a certificate or a degree he must offer a number of "grade points" at least as great as the number of semester hours.

EXPLANATION OF CREDITS

All work in the college is measured in semester hours, a semester hour being eighteen fifty-minute recitations. College subjects have different values determined by the number of hours of recitations per week. The semester hour value of each course is stated in the catalog.

STUDENT LOAD

The normal load is seventeen hours for those registered as Freshmen and Sophomores and sixteen hours for those registered as Juniors and Seniors. The minimum load to be classed as a full-time student is twelve semester hours. Students with an established record of superior quality may take a maximum of nineteen hours upon the approval of the Registrar.

STANDARD OF WORK

The minimum standard of achievement to enable a student to remain in the college without question shall continue to be for a semester: eight semester hours credit and ten grade points.

(a) Failure to meet these minimum standards shall automatically exclude the student from subsequent registration except in the case of a beginning freshman. Such freshman may be registered for such load as the Registrar may assign provided the load shall not be less than 9 semester hours nor more than 19 semester hours in a semester. In each such case of re-registration a specific authorization of load shall be entered on record by the Registrar. Students admitted under this provision are automatically placed on probation for the semester.

(b) The foregoing rule setting forth automatic exclusion because of failure to meet the minimum standards may be waived by a permanent committee appointed by the President, authorized to exercise such waiver. The committee at its discretion may waive the rule and authorize the re-registration of persons with credit sufficient to classify them above the freshman year in case of failure to meet the minimum standards in one semester.

(c) The committee at its discretion may permit by waiver the re-registration of a person in the freshman year after that person has been readmitted once and had a load assigned by the Registrar as provided in (a) above and has failed the second time to meet the minimum standard.

WITHDRAWALS

Occasionally home conditions or some other factor make it necessary for students to withdraw. In such cases the student must see the President and arrange for the withdrawal. Any student who quits school or withdraws without securing the approval of the President may not register again unless the President sees fit to reinstate him.

DROPPING COURSES

Students who for any reason find it necessary to drop a course must report to the Registrar and arrange for an official drop.

Students who drop courses officially after one-fifth of the semester or term has passed will be assigned a grade of "F" on the courses dropped. An exception may be made in this regulation upon the recommendation of the College Physician that the load be reduced because of poor health. In such cases the students will be assigned the standings which they have at the time the courses are dropped.

ALUMNI ASSOCIATION

The purpose of this organization is to promote fellowship among the ever-increasing number of graduates and to stimulate a mutual interest between the institution and her former students.

All members of the Alumni Association are to remain members regardless of the work completed at the time they were accepted into membership. The completion of the requirements for a degree is a prerequisite to membership for all new members.

COMMENCEMENT

Commencements are held at the close of the academic year and at the end of the summer school. Students who are candidates for degrees are required to participate in the Commencement exercises unless excused by the President. A student who satisfies the requirements for a degree at times other than at the end of the second semester or the close of the sum-

mer school will receive his degree immediately following the completion of the work and will be regarded as a member of the graduating class immediately succeeding the completion of the work.

CHRISTIAN ASSOCIATIONS

The institution is not denominational in any sense. Its positive influence, however, is religious and Christian. Students are urged to select a church home in Richmond and to attend the Sunday Schools in the City. The Young Men's Christian Association and the Young Women's Christian Association have a large membership. The Young Women's Christian Association meets every Sunday evening in a devotional meeting. These organizations are doing a great work in the school and new students should join them and become active workers.

STUDENT ORGANIZATIONS

The student organizations, societies, and clubs at Eastern are varied enough in their activities to include the interests of all the students. While the membership in them is voluntary, all students find it to their advantage to identify themselves with at least one of these activities. Students receive in these extra-curricula activities a type of training which is impossible for them to get in the classroom. These organizations make it possible for students to enjoy a measure of social life along with their professional and intellectual activities.

| Name of Organization | Qualifications for Membership |
|----------------------------|---|
| Departmental Clubs: | |
| Biology Club | Open to students who are taking a major or minor in the Biology Department. Membership is by election. |
| Canterbury Club | Open to students who are English majors and first minors and who have a scholastic standing in English of "B" or higher. Membership is by election. |
| Elementary Council | Open to students who are majoring in Elementary Education and to students who are enrolled for Education 261 or 263. |

| | |
|--------------------------------|---|
| Home Economics Club | Open to students who are taking a major or a minor in Home Economics. Membership is by election. |
| Physical Education Club | Open to students who are taking a major or a minor in Physical Education. Membership is by election. |
| Sigma Tau Pi | Open to students who are enrolled in one or more courses in the Department of Commerce. Membership is by invitation. There is a probation period of nine weeks for all new members. |
| Social Science Club | All majors and minors of Social Science and all Social Science service instructors shall be active members of the organization. |
| World Affairs Club | Membership in this club shall be of two classes—(1) active, and (2) associate. Active membership shall be invitational and limited to the majors and minors in the Department of Geography and Geology. Eligibility is based upon a general average of 1.5 and a departmental average of 2.0. Associate membership shall be invitational and is open to all faculty members and students of the college. Associate members shall be non-voting members. |
| Literary and Dramatics: | |
| Alpha Zeta Kappa | Open to all students who are interested in the intelligent discussion of public questions. Membership is by election. |
| Horace Mann Society | Open to all students in the College who are interested in public speaking and debating. Membership is voluntary. |
| Little Theatre Club | Open to all students. Membership is by election. Each applicant is required to appear in a "try-out" play before the Club members. |
| Rural Life Club | Open to all students who are interested in problems of rural life. Membership is voluntary. |

Musical Organizations:

| | |
|----------------------|---|
| College Band | Open to any student who has the ability to play any one of the instruments usually found in a college band. Some of the instruments are furnished by the College. |
| Madrigal Club | Open to all women students of the Institution. The ability of the student is the basis of selection. Membership is limited to thirty students. |
| Men's Glee Club | Open to all men students in the Institution. The ability of the student is the basis of selection. Membership is limited to twenty-five students. |
| Orchestra | Open to all students; however, new members are admitted only as vacancies occur. |
| Professional: | |
| Caduceus Club | Open to students who are doing pre-professional work in medicine, dentistry, and nursing. Membership is by election. |

EXTENSION DIVISION

Through the Extension Division Eastern provides a Bureau of Appointments, correspondence courses, extension-class instruction, lectures, and various other types of public school service.

Bureau of Appointments—Through the Bureau of Appointments the institution aims to assist both teachers and employers in securing better positions and better trained teachers. Special consideration is given to the graduates of Eastern. All the services of the Bureau of Appointments are free.

Correspondence Courses—Correspondence courses are prepared and conducted by regular members of the faculty and are, in so far as possible, identical with residence courses.

Extension Classes—Regular members of the faculty conduct extension classes in cities and communities where teachers desire to pursue work in class groups in practically the same way as they would in residence. The cost of extension class

instruction is reasonable. For further details see Extension Division bulletin or write Director of Extension Division for additional information.

Restrictions on Extension Work—The candidate for a degree must do at least three-fourths of the work in his major and in each of his minor fields in residence in this institution or in some other, provided that one-fourth of his major and each minor must be done in Eastern in residence. This rule shall not invalidate credit earned before September 1, 1929.

The candidate for a degree or a standard certificate must do in residence at least one course in each department in which as many as two courses are offered toward that degree or certificate. This rule shall not operate to invalidate credit earned before September 1, 1929.

Residence, or study in residence, shall be construed to mean study and recitations, laboratory exercises, etc., on the ground of Eastern Kentucky State Teachers College or under similar conditions at some other standard institution, with satisfactory access to library and other facilities appropriate to the courses taken.

Not more than 12 semester hours of credit may be earned by extension within a calendar year. Not more than 12 semester hours of credit earned after the student has acquired 96 hours credit may be offered towards a degree if earned in extension. In other words the candidate for a degree is supposed to do 20 semester hours of work of his senior year in residence.

The Extension Division Bulletin—The Extension Division Bulletin gives full information concerning correspondence and extension class instruction and all the facilities of service of this Division. This bulletin may be had upon request.

THE TRAINING SCHOOL

Function—The function of the Training School is two-fold; first, it trains college students in the theory and art of teaching; second, it maintains as nearly as possible an ideal elementary and secondary organization. The Training School is the center of the professional work of the college. It pro-

vides opportunities for directed observation by college classes in theory and in professionalized subject-matter courses. It is also the laboratory where student teaching is done. The first consideration in the management of the school is to make of it a good school for the children who attend it. The value of the Training School to the state in the training of teachers is in proportion to the quality of classroom instruction the children receive.

Organization—The organization of the Training School embraces three divisions; the elementary school of six grades, the high school of six grades—both located on the campus—and a one-teacher rural school of eight grades, located on the college farm near the campus. The length of the school year is nine months.

Enrollment Fees—Fees for the privilege of attending the Training School are to be paid by the semester in advance. They are as follows:

| | |
|---|--------------------|
| Elementary School, grades 1 to 6 inclusive..... | \$ 4.00 a semester |
| Junior High School, grades 7, 8, and 9..... | 6.00 a semester |
| Senior High School, grades 10, 11, and 12..... | 10.00 a semester |

Elementary School—This division of the Training School is composed of grades one to six, inclusive. This school is located in Cammack Building which was constructed for training school use. It draws its pupils principally from the local community to which it offers special advantages. The enrollment of each grade is limited to thirty pupils.

The Model High School—The Model High School, first organized in 1906 under the management of Eastern Kentucky State Normal School and as a continuation of Walters Collegiate Institute, was reorganized in the fall of 1930, after a lapse of eight years. This school is located in the University Building which has recently been completely remodeled and especially equipped for high school use. The new organization includes the junior high school, which has been a part of the Training School since 1925, and in addition the senior high school. The same high standards of scholarship, personal honesty, and courteous conduct are characteristics which per-

meate the spirit of the school. The school is fully accredited, and its graduates are prepared for college entrance.

Pupils who may wish to enter the high school should make application for entrance to the Principal of the Model High School, or to the Director of the Training School, before the opening of the school term. Before new students are accepted, a transcript of their school record, signed by their principal or superintendent should be placed on file in the office of the principal. Also they should send a statement telling how far they live from an accredited high school and why they wish to enter this institution. The Principal of the Model High School can then notify them whether they can be accepted.

Rural School—This school is located on the college farm near the campus. The building in which this school is located is modern and complete in every respect. Children attending this school are rural children representing all the eight grades.

Student Teaching—The prospective teacher is inducted into the art of his profession by a gradual approach and after he has shown evidence of preparation for the work. For the first week or ten days the children are studied, classroom activities are carefully observed, and organization of subject matter goes forward. When actual teaching begins with a group of children, the training teacher supervises the work so that the student teacher may develop the skills, techniques, and controls considered essential to good classroom procedure.

Student teachers reserve the eighth period daily in their schedules for conference with the training teacher.

Before college students are assigned to a place in the Training School for student teaching, it is expected that they shall have sufficient preparation to insure their own progress in the work. The welfare of the children to be taught must also be safeguarded from the ill effects of an inadequately prepared teacher. For these reasons certain prerequisites are adhered to. Before students are permitted to do supervised student teaching they must satisfy the following requirements:

1. **Adequate Preparation**—Sufficient work, including all prerequisite courses, must be completed to insure adequate preparation for student teaching.

2. **Command of Written and Spoken English**—The ability to use written and spoken English effectively. Any college student coming into the Training School with a noticeable deficiency in the use of English will be dropped from student teaching until evidence is shown that this defect has been overcome.

3. **Health**—A certificate showing evidence of good health and a normal physical condition must be secured from the college physician.

4. **Academic Standing**—An average grade of "C" on all courses taken is required for registration in student teaching.

5. **Credits on File**—The applicant for student teaching must be a regularly classified student with all college credits on file in the Registrar's office.

Due to the limited facilities of the Training School, it is necessary to place some limitations upon those who ask for student teaching during the crowded terms.

It is offered during the fall semester to all who are prepared to take it. During the second semester, it is offered to those who are completing the work in this school for a certificate or a degree to be received at the end of that year. During the first summer term, it is offered only to those who have formerly been students in this institution, who have been unable to attend during either of the preceding semesters, and who must have it in order to complete the requirements for a certificate or a degree which they expect to receive at the end of that summer school.

Those who expect to take student teaching during the spring or summer terms should reserve a place by writing to the Director of the Training School.

DIVISION OF APPLIED ARTS AND SCIENCES

| | | |
|--------------|--------------|--------------|
| Mr. Moore | Mr. Deniston | Mr. Gumbert |
| Miss Burrier | Miss Dix | Miss Kohl |
| Mr. Carter | Miss Ford | Mr. Richards |
| | Miss Gill | |

Agriculture

Mr. Carter

Mr. Gumbert

Agriculture 100. General Agriculture. (2 hours.)

Purpose: A course primarily intended for those students who expect to teach agriculture in the seventh and eighth grades.

Topics: This course consists of a broad general study of soils, cereal and forage crops, live stock, poultry and vegetables. Much emphasis is placed on correlation, lesson plans, method and procedure of teaching seventh and eighth grade agriculture. Use is made of some elementary texts, bulletins, and assigned reading.

Agriculture 126. Farm Poultry. (3 hours.) Laboratory fee, \$1.00.

Purpose: This course is planned to give the teacher that desire and knowledge necessary to initiate the best methods in the establishment, improvement, care, feed and management of poultry in his community.

Topics: Breeds, poultry house construction, feeds, balanced rations, poultry diseases, egg production, meat production, culling of flock pests, grading and marketing poultry products.

Agriculture 131. General Horticulture. (3 hours.) Laboratory fee, 50 cents.

Purpose: The purpose of this course is to acquaint the student with the best methods and practices in the care and management of the farm orchard and vegetable garden.

Topics: Equal time is devoted to a study of fruit and vegetable production. The farm orchard is taken as a basis and laboratory for the study of selection of type of soil, site, grafting and budding, planting, fertilizing, cultivation and general management of the orchard with special work in pruning and spraying. Small fruits also receive some attention. Assigned library references and practical work with hotbeds and cold frames in the production of early vegetables result in a working knowledge of gardening.

Agriculture 151. (Formerly Agriculture 251.) Farm Engineering. (2 hours.) Laboratory fee, 50c.

Purpose: This is a laboratory course, the purpose of which is to acquaint the student with the problems of engineering on the farm.

Topics: Farm machines, operation and care of farm machinery, farm structure, use of concrete on the farm, and the principles of drainage.

Agriculture 211. (Formerly Agriculture 111.) Farm crops. (3 hours.) Laboratory fee, 50c.

Purpose: This course is designed to give the student a practical knowledge of the best methods in the selection, production and disposition of the cereal and forage crops of the region.

Topics: Cereal and forage crops, crop improvement, storage and marketing, crop rotation, judging grain, testing seeds.

Agriculture 224. Dairy Cattle Management. (3 hours.) Laboratory fee, 50c.

Purpose: To bring the student into close contact with the dairying business.

Topics: Dairy breeds, judging, breeding, feeding, calf raising, pedigrees, advanced registry, dairymens association, dairy barn construction, equipment, etc.

Agriculture 228. Swine and Pork Production. (3 hours.)

Purpose: To teach the best practices and principles involved in the economical production of pork on the farm.

Topics: Feeding and handling the herd in the breeding season; the management and feeding of the breeding herd in the winter; care, feed and management of the sow and litter; feeding and care of growing and fattening pigs; choosing a forage crop and methods of feeding on forage; grains and corn substitutes for growing and fattening pigs. Considerable time is spent in a study of breeds, principles of breeding, judging, markets, and the prevention of hog diseases. Frequent trips are made to study the practices of successful hog raisers.

Agriculture 243. Rural Sociology. (3 hours.)

Purpose: To study conditions and influences that affect the welfare of rural people.

Topics: Rural life, movement of population, isolation of rural people, agricultural production, farm tenancy, rural health, rural homes, rural churches, etc.

Agriculture 315. (Formerly Agriculture 115 and 215.) Soils. (3 hours.) Laboratory fee, \$1.00.

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of soil physics and soil management, and to summarize the best principles and methods of soil improvement and fertility.

Topics: A study of the properties and management of soils; harrowing and cultivation; organic matter, bacterial action and optimum conditions for growth of plants; the origin, the weathering and types of soils; plant foods; crop requirements and fertilizers; rotation of crops as means of soil preservation.

Agriculture 321. (Formerly Agriculture 121 and 221.) Feed and Feeding. (3 hours.) Laboratory fee, 50c.

Prerequisite: Chemistry 111.

Purpose: To give the student a thorough knowledge of the cost, composition and comparative feeding values of feeds; to point out the uses of the food nutrients and the parts they play in growth, maintenance and production of the product; to study the feed requirements of the various farm animals and how to balance rations to suit their needs.

Topics: Digestive systems of farm animals; digestion; composition and digestibility of various feeds; origin and history of scientific feeding; methods and principles of calculating and balancing rations; home grown feeds such as corn, oats, wheat, rye, barley and their by-products, also roughages such as silage, straw, corn fodder, grass hays and the important legumes with the object to balance rations at least cost.

Agriculture 345. Farm Management and Farm Accounts. (3 hours.)

Purpose: To give the student practice in applying the fundamental principles and knowledge of good business methods in farm enterprises; to enable the student to recognize symptoms, diagnose the ailments of unsuccessful farms, and prescribe remedies.

Topics: Personal characteristics desirable in farmers, profits, cost of living, types of farming, maintaining soil fertility, live stock problems, farm labor, farm rents, farm equipment, farm layout, farm inventories, cost accounts, etc.

Agriculture 441. (Formerly Agriculture 241 and 341.) Agricultural Economics. (3 hours.)

Purpose: The purpose of this course is to give the student an idea of the economics which may be introduced into the agricultural industry and of the different elements composing the resources of the farmer.

Topics: Farm operation, farm equipment, the size of the farms, farm labor and wages, farm credit, insurance needs of the farmer, tenant farming, rent and profit, marketing, farm products, crop estimates and forecasts, price fixing and the cost of farm products, the social side of farm life, the future of the farmer, etc.

Practicums: Practicums will be available to a limited number of students who have the necessary prerequisites. In order to enroll for a practicum the student must first have the sanction of the instructor in charge of the work. As a general rule, a practicum carries a credit of one hour. Students who already have a standard load will not be allowed to carry practicums for credit without approval of the Registrar.

Commerce

Mr. Moore Miss Ford Miss Gill Mr. Richards

Commerce 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of the development of agriculture, commerce, transportation, industry, labor legislation, socialism, social insurance, population and population trends, and finance by the principal European nations.

Commerce 126. (Formerly Commerce 121.) Business Arithmetic. (2 hours.)

Purpose: To prepare the student for Commerce 219, and to provide the student with sufficient information to enable him to teach business arithmetic.

Topics: Rapid calculation in the fundamental processes; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory; interest; discounting notes and other commercial papers; wages and pay rolls; postage, freight, and express rates; property insurance; taxation.

Commerce 131. Penmanship. (No credit.) All students majoring in Commerce are required to take this course unless excused by the Head of the Department.

Purpose: To teach the principles of good handwriting, to afford practice in executing these principles, and to develop an appreciation of good handwriting.

Commerce 151. Beginning Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To develop proper technique at the typewriter, to attain a minimum speed of twenty words per minute on the typewriter, and to learn to arrange simple material in attractive form.

Topics: Mechanics of the typewriter, the keyboard, word drills, sentence drills, paragraph drills, styles of letters, the general make-up of a letter, attractive arrangement of material, special characters not on the keyboard, and foundations of speed.

Commerce 152. Advanced Typewriting. (3 hours.) Fee, \$2.00.

Purpose: To attain a speed of at least forty words per minute and to develop accuracy in typewriting, to gain an understanding of the theory of typewriting which will enable the student to teach it.

Topics: Drill on material which will develop speed and accuracy; practice in the preparation and writing of business letters, manuscripts, tabulations, legal and other business forms.

Commerce 215. (Formerly 115.) Beginning Shorthand. (5 hours.)

Purpose: To master the principles of Gregg shorthand and to develop a fluent and legible style of writing.

Topics: The principles of Gregg shorthand as outlined in the Gregg Manual; shorthand penmanship drills; supplementary reading; daily dictation including words of high frequency, sentences, and letters; vocabulary tests; transcription.

Commerce 216. (Formerly Commerce 116.) Advanced Shorthand. (3 hours.)

Prerequisite: Commerce 215.

Purpose: To develop speed in taking dictation and in transcribing.

Topics: A review of the Gregg shorthand principles; supplementary reading; dictation and transcription of literary articles and various types of letters; vocabulary and transcription tests.

Commerce 219. (Formerly Commerce 221.) Principles of Accountancy. (4 hours.)

Prerequisite: Commerce 126.

Purpose: To prepare the student to teach the subject or to do practical accounting and bookkeeping work; to furnish a background for work in business administration.

Topics: The balance sheet, the profit and loss statement, the philosophy of debit and credit, mixed accounts, periodic work on the ledger, journals, business forms and vouchers, the trial balance and methods of locating errors, control accounts, the work sheet, balance sheet valuation. A laboratory set of books is kept for the sole proprietorship. Vouchers are provided to make the laboratory work as practicable as possible.

Commerce 220. Principles of Accountancy. (2 hours.)

Prerequisite: Commerce 219.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish a broader background for work in business administration.

Topics: A more thorough consideration of control accounts and practice in handling them in a laboratory set, the characteristics of a partnership, relation of partnership to accounting, formation of a partnership, division of profits, admission of a new partner, retirement of a partner, dissolution of a partnership.

Commerce 230. (Formerly Commerce 125.) Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory and to give him an understanding of some of the outstanding industries of the United States.

Topics: The nature and function of industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, value, and important industries of the United States.

Commerce 231. Principles of Economics. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the principles of economic theory, to introduce the student to some of the elementary problems of applied economics, and to familiarize him with some of the outstanding industries of the United States.

Topics: Economic science and its application, consumption and the guidance of industry, wastes in production, unemployment and other forms of idle power, the integration of industry, efficiency in management, industrial unrest and conflict, industrial peace, profit-sharing and joint control in industry, problems of population, efficiency in marketing, the price system and its control, regulation of public utility rates, control of banking in the United States, stabilizing our monetary system, business cycles and their control, free trade and protection, international debts and economic imperialism, the relation between government and industry, government regulation and ownership, financing the government, the revenue system of the United States, the problem of inequality, agricultural problems, types of economic organization, and important industries of the United States.

Commerce 301. (Formerly Commerce 201.) Business English. (3 hours.)

Prerequisites: English 101 and English 102.

Purpose: To develop skill in the use of clear, concise, and forceful English in the writing of business letters.

Topics: The essential qualities of business writing; the sales letter; appeals to special classes; follow-up letters; inquiries, orders, and responses; credit letters; collection letters; adjustment letters; letters of application; business reports; style studies.

Commerce 303. (Formerly Commerce 203.) Secretarial Practice. (3 hours.)

Prerequisites: Commerce 151, 152, 215, 216.

Purpose: To develop speed in transcribing, and to familiarize the student with office procedure.

Topics: Advanced dictation and transcription including a study of vocabularies of leading lines of business; effective office arrangement and display of typewriting; duties of a secretary; dress, deportment, and ethics; use and care of office machines; selection of office supplies; filing; use of office reference books; reporting speeches and meetings; actual stenographic experience.

Commerce 309. (Formerly 209.) Business Organization. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the different types of business organization.

Topics: Classes of business organization, their evolution, and the tests of efficiency; individual entrepreneur organization; partnership; corporation; joint-stock company; business trusts; simple agreements

and price combinations; pools; combination trusts; community-of-interest organization; holding company, amalgamations; mergers; promotion; underwriting; stock exchanges; reorganizations and receiverships; legislation.

Commerce 310. (Formerly Commerce 210 and 321.) American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: The history from the beginning to the present of the development in the United States of commerce, industry, transportation, banking, labor problems, business organization, monetary problems, and agriculture.

Commerce 322. (Formerly Commerce 221.) Principles of Accountancy. (3 hours.)

Prerequisites: Commerce 219 and 220.

Purpose: To further prepare the student to teach the subject or to do practical accounting and bookkeeping work, and to furnish the student a more comprehensive background for work in business administration.

Topics: Analysis and interpretation of financial statements; nature and characteristics of a corporation; proprietorship in the corporation; the formation and operation of a corporation; accounts and records peculiar to a corporation; fixed and intangible assets; long-term liabilities; manufacturing accounts.

Commerce 324. (Formerly Commerce 224.) Money and Banking. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To acquaint the student with the elementary principles and theory of money, and with the theories and practices of banking.

Topics: Nature and functions of money, kinds of money, monetary systems, history of banking, functions of the bank, bank administration, the national banking system, deposits and depositors, the clearing house, domestic and foreign exchange, loans and discounts, bank supervision, savings banks, trust companies, foreign banking systems, and the federal reserve system.

Commerce 325. (Formerly Commerce 225.) Accounting Problems. (2 hours.)

Prerequisites: Commerce 219, 220, 322.

Purpose: To acquaint the student with some of the problems met in various fields of accounting and to introduce the student to some C. P. A. problems.

Topics: Financial statements prepared from incomplete records, special types of statements, revision and correction of financial statements, corporate bonds and sinking funds, amalgamations and mergers

of corporations, holding companies and consolidated balance sheets, adjustments and analysis of surplus, consignments and joint ventures, branch houses and selling agencies, fire loss and insurance adjustments, installment sales, and miscellaneous partnership problems.

Commerce 341. (Formerly Commerce 241.) Salesmanship. (3 hours.)

Purpose: To give information essential to those students who desire to teach the subject and to those who expect to do actual selling.

Topics: The art of selling, the motives behind all buying, the customer's mental journey, attitudes of buyer and salesman, preparation of the selling talk, the pre-approach, the interview, arousing interest, creating desire, answering objections, meeting excuses, diplomacy of the close, types of customers.

Commerce 342. (Formerly Commerce 242.) Advertising. (3 hours.)

Purpose: To acquaint the student with some of the principles of advertising and to present certain very essential phases of procedure to be followed in advertising work.

Topics: The specific purpose of advertising, developing the copy, slogans, trade-marks, layouts, engraving, scheduling of advertisements in newspapers and magazines, direct mail advertising, outdoor advertising, dealer display advertising, packages, radio advertising, determining the value and results of advertising.

Commerce 405. (Formerly Commerce 305.) Business Law. (3 hours.)

Purpose: The purpose of this course is to familiarize the student with the principles of law which affect his everyday business relationships, and to enable him to teach the subject.

Topics: Law in general, kinds of law, persons, torts, contracts, agency, personal property, real property.

Commerce 406. (Formerly Commerce 306.) Business Law. (3 hours.)

Purpose: The purpose of this course is to familiarize the student with further principles of law which affect his everyday business relationships, and to enable him to teach the subject.

Topics: Market transactions; bailments; sales and contracts to sell; practices prejudicial to a competitor; practices prejudicial to the public; legislative regulation of market practice; bills, notes, and checks; stocks and bonds; liens; mortgages; bills of lading and warehouse receipts; contracts of guaranty and suretyship; powers of creditors; privileges of debtors.

Commerce 430. (Formerly Commerce 330.) Public Finance. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, and economic effects; public credit, its nature and uses, its forms; financial administration and legislation; the forms of public revenue, the public domain, the industrial domain, administrative revenues, and taxation—its meaning and development, some of the requisites of a sound system, the distribution of the tax burden, means of escape from taxation, the general property tax, modified property tax, taxes on corporations, consumption and other excise taxes, taxes on incomes, and estate and inheritance taxes.

Commerce 440. (Formerly Commerce 340.) Investments. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To give the student information concerning the fundamental principles of sound investments, to help the average person to work out a plan for his investments, and to teach the importance of thrift and saving.

Topics: The importance of capital in present day economic society, classification of securities, analyses of securities, possibilities of investment in different classes of securities, financial institutions, the mechanics of investments, the effect of taxation on investment policies, investment and the business cycle, business forecasting, and the determination of an investment policy.

Commerce 443. (Formerly Commerce 343.) Marketing. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To provide the student with information concerning the economics of distribution, distributive agencies and their functions.

Topics: Consumers' buying motives, marketing functions and institutions, selling direct to consumer, earlier and simpler types of retail institutions, department stores, mail order houses, chain stores, agricultural wholesale markets, middlemen of the city agricultural markets, classes and types of wholesalers, raw materials, cooperative marketing, speculation, prices and some price policies, brands and brand policies, ethical aspects of marketing.

Commerce 463. (Formerly Commerce 263.) Practice Teaching in Commerce. (2½ hours.)

Purpose: To provide experience for the prospective commercial teacher.

Topics: Practice under supervision, grading papers, administering and checking tests, preparation of papers on topics related to the student's major interest, and outlines of the subject taught.

Commerce 470. Seminar. (2 hours.)

Commerce 471. Seminar. (2 hours.)

Home Economics

Miss Dix

Miss Burrier

Miss Kohl

Home Economics 101. (Formerly Home Economics 110.) Textiles. (2 hours.) Laboratory fee, \$1.00.

Purpose: To acquaint the student with standard fabrics on the market suitable for clothing and house furnishing, to give the student a knowledge of the proper treatments in the laundering of the various classes of textile fibers, and to develop in the student an appreciation of good textile fabrics and to develop an understanding of the student's responsibility as a consumer and a teacher.

Topics: Microscopic study of fibers; simple household tests for the determination of fiber content; reaction of acids and alkalies on the various fibers; study of the manufacture of fibers and fabrics, identifying materials by commercial names; economical and social aspects of textile purchase; removal of stains; laundering.

Home Economics 102. (Formerly Home Economics 103.) Source, Selection, and Cost of Foods. (2 hours.) Laboratory fee, \$1.00.

Purpose: To familiarize the student with marketing problems, and to teach the kinds and grades of foods.

Topics: The processes that foods undergo from the producer to the consumer; how to purchase; where to purchase; food budgets; variety, source, selection, and comparative cost of foods used in the home.

Home Economics 203. (Formerly Home Economics 111.) Garment making. (3 hours.) Laboratory fee, \$1.00.

Purpose: This course is designed to acquaint the student with the fundamentals of garment construction. Emphasis is placed on both hand and machine sewing. It also aims to develop an appreciation for artistic clothing so the individual may more wisely select ready made garments.

Topics: Study of the sewing machine and attachments; making of simple patterns; selection of materials suitable for simple wash dress, kimona or gown; study of materials, colors and designs suitable for various undergarments; care and repair of clothing; clothing budgets.

Home Economics 204. (Formerly Home Economics 101.) Nutrition and Food Preparation. (3 hours.) Laboratory fee, \$4.00. (If more than 20 students enroll for this class a refund of \$1.00 will be made.)

Purpose: To familiarize the student with the general composition and the place in the diet of foods; to teach the fundamental principles of preparation of foods.

Topics: Choice, preparation and serving of foods suitable for breakfasts, luncheons, dinners, suppers, and teas. Each series of units of work is completed with the planning, preparing and serving of the meal of that unit.

Home Economics 205. (Formerly Home Economics 201.) Meal Planning, preparation and Serving. (3 hours.) Laboratory fee, \$6.00. (During a semester each student enrolled for this class receives 25 meals from this fee.)

Prerequisite: Home Economics 204 or its equivalent.

Purpose: To enable the student to plan, prepare and serve well-balanced home meals at varying costs; to familiarize students with different types of table service; and to teach table etiquette.

Topics: Principles of well-balanced meals; preparation and serving of well-planned meals with different types of services; study of the respective duties of host, hostess, guests, members of the family, and waitresses; computation of costs of various types of meals; table decorations and accessories for various occasions; and care of dining room equipment.

Home Economics 206. (Formerly Home Economics 112 and 212.) Dressmaking. (2 hours.) Fee, \$2.00.

Prerequisite: Home Economics 203 or its equivalent.

Purpose: The purpose of this course is to let the student acquire knowledge of appropriate and becoming clothing; to aid the student in interpreting commercial patterns; to create in her a confidence in cutting, fitting, and altering commercial patterns to suit an individual; and to teach the economic values of renovation and remodeling through a practical problem.

Topics: Study of line, color and design in materials suitable to different types of figures; alteration of commercial patterns; special treatments in cutting, fitting, construction and finishing of dresses of cotton, linens, and silks; and remodeling of wool dresses.

Home Economics 207. (Formerly Home Economics 113 and 213.) Care and Selection of the Wardrobe. (2 hours.) Not open to Home Economics majors.

Purpose: This course is planned for students who wish to make an intelligent study of their wardrobes and know more about the selection of ready-made clothing, but do not wish to sew.

Topics: The clothing budget; planning the wardrobe with special emphasis on kinds, numbers, suitability of garments and accessories; purchasing habits; a study of cost and method of caring for clothing.

Home Economics 208. (Formerly Home Economics 223.) Home and Social Problems for men. (2 hours.)

Purpose: To create a desire for higher home and social standards, and to train for the job of home making and more efficient citizenship.

Topics: Nutrition, meal planning and home cookery; standards of social conduct and home relationships; choice and care of clothing; economic aspects of home making; camp cookery; first aid.

Home Economics 209. Home and Social Problems for Women. (2 hours.)

Purpose: To create a desire for higher home and social standards, thereby preparing women for efficient home-making.

Topics: Nutrition, meal planning and home cookery; marketing; furniture selection and arrangement; clothing selection; family relations; home nursing; child care; social etiquette.

Home Economics 222. Interior Decoration. (2 hours.) See Art 222.

Home Economics 231. Home Nursing. (2 hours.) See Health 231.

Home Economics 355. Costume Design. (2 hours.) See Art 355.

Home Economics 301. (Formerly Home Economics 224.) Household Equipment. (2 hours.)

Purpose: To familiarize girls with various types of modern household furnishings; to appreciate the importance of standardization; to enable them to purchase equipment of various types; to help them realize the value of labor saving devices in the home.

Topics: Laundry and kitchen furnishings, including electric and non-electric, cleaning equipment, bedding, linens, china, glassware, silver, floor coverings, wall coverings, furniture.

Home Economics 302. (Formerly Home Economics 102 and 202.) Advanced Cookery. (3 hours.) Laboratory fee, \$4.00.

Prerequisite: Home Economics 204.

Purpose: To teach the scientific principles of cookery; to develop skill in cookery.

Topics: Sugar cookery, fruits and vegetables, jelly, gelatin, meat, emulsions, milk, egg cookery, wheat flour and bread, batters and doughs, fats and oils.

Home Economics 303 (Formerly Home Economics 225.) The Family. (2 hours.)

Purpose: To study the family as an organization considering it from an economic and social standpoint.

Topics: Psychological factors which go to make happy family life, place of children in the family, economic independence of women, homemaking as a profession, distribution of the family income.

Home Economics 304. (Formerly Home Economics 361.) Materials and Methods for Teaching Vocational Home Economics. (3 hours).

Prerequisites: Eighteen hours of Home Economics, Education 111, Education 313 or Education 314, and Education 364.

Purpose: To give the student experience in the evaluation of teaching Home Economics subjects; experience in the organization of materials for the teaching of these subjects; experience in the coordination of school work with life's activities.

Topics: Underlying principles of teaching, methods of presentation of various subjects and topics, observations of teaching, laboratory equipment, types of laboratories, books and periodicals.

Home Economics 305. (Formerly Home Economics 316.) Tailoring. (2 hours.) Laboratory fee, \$1.00.

Prerequisite: Home Economics 201 or its equivalent.

Purpose: The ultimate aim of this course is to give prospective teachers experience in the handling of woolen materials and to acquaint them with principles of tailoring.

Topics: Cutting, fitting, constructing and finishing a tailored dress for an adult and a coat for either an adult or a child.

Home Economics 306. Unit Course in Foods and Nutrition. (3 hours.) Not open to students who have credit for Home Economics 202 (formerly Home Economics 101) and Home Economics 203 (formerly Home Economics 201). Laboratory fee, \$4.00.

Purpose: To familiarize the student with the fundamental principles of nutrition; to arouse interest in the application of nutritional principles to daily living; to gain the ability to prepare and serve meals correctly; to acquire the art of becoming a gracious hostess and guest.

Topics: Nutrition, marketing, preparation of foods, serving meals, preservation of foods.

Home Economics 307. Unit course in Clothing. (3 hours.) Not open to students who have credit for Home Economics 203 (formerly Home Economics 111) and Home Economics 206 (formerly Home Economics 112 and 212). Laboratory fee, \$1.00.

Purpose: To familiarize students with fabrics suitable to different types of garments; to develop skill in construction technique and to develop the student's ability to wisely select ready made garments.

Topics: Line and color suitable to different figures; commercial patterns; the adaptation of a plain foundation commercial pattern to different styles of dresses; the construction of any undergarment, a cotton or linen dress, a plain tailored silk dress, a tailored wool problem and either a dinner dress or an evening dress.

Home Economics 401. (Formerly Home Economics 301.) Dietetics. (3 hours.) Laboratory fee, \$2.00.

Prerequisites: Home Economics 204, 205, Chemistry 313 and Biology 481 or registration in Biology 481.

Purpose: To give students an opportunity to know the essentials of an adequate diet and the nutritive value of common foods; to apply the fundamental principles of human nutrition to the feeding of individuals under various physiological, economic and social conditions.

Topics: Composition of common foods, requirements of the body under different living conditions, dietary problems, prevention of diseases through the diet.

Home Economics 402. (Formerly Home Economics 331.) Child Development. (3 hours.)

Prerequisites: Education 111 and Education 313 or Education 314.

Purpose: To teach the care necessary for the physical, mental, emotional, and social development of the child from infancy through adolescence.

Topics: Prenatal care of the infant; physical care of the child; standards of mental development, and factors affecting these; standards of emotional stability; training for social normality.

Home Economics 403. (Formerly Home Economics 321.) Home Management. (4 hours.)

Prerequisites: Home Economics 102, 204, 205 and junior or senior standing with a minimum of sixteen hours in Home Economics.

Students must see the head of the Home Economics department for appointment to live in the Home Management House. Reservations should be made several weeks prior to the beginning of the semester.

Industrial Arts

Mr. Deniston

Industrial Arts 141. Elementary Cabinet Making. (3 hours.) Laboratory fee, \$6.00.

Purpose: To study furniture making as it may be taught to high school and vocational classes; to consider the organization and teaching of such work in the schools.

Content: A study of the common hand tools, various kinds of woods, and simple machine operation. While the work is largely individual, there will be an opportunity for the class as a whole to receive instruction on details of construction, glueing, scraping, sanding, finishing, upholstering, and costs of materials.

Industrial Arts 191. Elementary Mechanical Drawing. (3 hours.) Laboratory fee \$6.00.

Purpose: Given as the foundation course for machine and architectural drawing.

Topics: This course is for students who have never studied any phase of mechanical drawing. A time limit is set upon each drawing suitable for the average student. The work covers the study of lettering, drafting room conventions, inking, tracing and blue printing. Free hand sketches of problems are given to the student from which working drawings are made.

Industrial Arts 222. Primary Handicraft. (2 hours.) Laboratory fee \$4.00.

Purpose: A course dealing with the typical forms of industrial arts applicable to the conditions in the primary grades.

Topics: A study of subject matter, methods, and the use of materials involving lectures, readings, reports, discussions, observations and laboratory work.

Industrial Arts 233. Industrial Arts Design. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191 or Art 161.

Purpose: To give the student a working knowledge of applied industrial design; to enable the student to select and enjoy good commercial design.

Topics: The fundamental principles of constructive, decorative and pictorial art are studied. The problems given involve the practical application of these principles to the various articles made in other shop courses. Actual classroom work is done in designing and rendering with pencil, pen, ink and color.

Industrial Arts 242. Intermediate Cabinet Making and Wood Turning. (2 hours.) Laboratory fee, \$4.00.

Prerequisites: Industrial Art 141 and Industrial Arts 191.

Purpose: To give the student additional cabinet making practice using turned work.

Topics: Selection of problems, practice work on wood lathe, making of turned elements, and assembling of projects. Attention will be given to the sharpening of tools, their care, and the finishing of projects.

Industrial Arts 249. Wood Finishing and Decoration. (2 hours.) By appointment. Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 141.

Purpose: To familiarize the student with the different methods of finishing and decorating.

Topics: The work offered in this course covers the making of a series of panels showing the methods and value of the different types of finishes. In addition students are given practical work in painting, interior finishing, and the refinishing of furniture. Lectures will be given upon the different materials used.

Industrial Arts 281. General Metal Working. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To acquaint the student with the various processes of working with some of the common metals.

Topics: A study of the different kinds of metals, their uses, tempering and finishing. Work in bending, twisting, chipping, filing, drilling, riveting, soldering, and forging will be attempted.

Industrial Arts 299. Lettering. (1 hour.) Laboratory fee, \$2.00.

Purpose: Given to acquaint students with simple methods of lettering suitable for school use.

Topics: The work begins with thin line, single stroke letters, followed by various alphabets of wide line, filled in, and ornamental types. Initial letters and monograms are designed. The lettering of school posters and signs receives special attention.

Industrial Arts 343. (Formerly Industrial Arts 242.) Advanced Cabinet Making and Mill Work. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 242.

Purpose: This course is provided for the purpose of instruction and practice in the care and use of woodworking mill tools and machinery and in methods of preventing accidents in operation.

Content: Practical work consists of: Making mill bill; figuring lumber bill; selection of material; cutting stock; face marking; laying out stock; machining stock and necessary bench work. Related information will be given concerning drying and care of lumber, finishing of products, proportioning of joints, different ways of doing work, trade terms, and order in which to give dimensions.

Industrial Arts 361. Organization, Administration and Supervision of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: Junior standing.

Purpose: To provide the teachers and administrators with a background and information concerning the organization, administration, and supervision of industrial arts.

Topics: Analysis of the administrative officer, organization, instructional material, tests and measurements, professional reading, and the supervision of instruction.

Industrial Arts 392. (Formerly Industrial Arts 292.) Elementary Machine Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To teach technique, speed, and accuracy in the making of detailed drawings, assembly drawings in accordance with standard drafting room conventions.

Topics: A study is made of the principal forms of bolts, screw threads, nuts and conventions. The student secures his problem from

perspective with dimensions, tabular data, and from sketches made from actual machine parts. Detail drawings in sections, assembly drawings from details, and detail from assembly drawing will constitute the main body of this course.

Industrial Arts 394. (Formerly Industrial Arts 294.) Elementary Architectural Drawing. (2 hours.) Laboratory fee, \$4.00.

Prerequisite: Industrial Arts 191.

Purpose: To give fundamental work in architectural drawing.

Topics: Lettering; elements of architecture; mouldings; shades and shadows; wash rendering, drawing from cast; sketching; lectures.

Industrial Arts 401. (Formerly Industrial Arts 201 and 301.) Problems in Industrial Arts. (1 or 2 hours.) By appointment. Laboratory fee, \$2.00 or \$4.00.

Prerequisite: To be decided by the instructor.

Purpose: Offered to teachers wishing to make a special study of some phase of the work or to make projects of an original design.

Topics: The nature of the work will be decided upon by the student and instructor.

Industrial Arts 466. (Formerly Industrial Arts 366.) Teaching of Industrial Arts. (2 hours.) Offered on demand.

Prerequisite: Same as Industrial Arts 364.

Purpose: Given as an informational course to students wishing to teach manual training.

Topics: The problem of teaching from the standpoint of industrial arts organization of subject matter; methods of presentation; organization and class management; types of lessons; lesson plans; demonstrations, testing and system of grading.

Library Science

Miss Floyd

Miss Bennett

Mrs. Whitehead

Miss Mason

Library Science 166. Library Methods. (1 hour.)

Purpose: To give the student a working knowledge of the library in order to be able to use it most intelligently and effectively.

Topics: The course includes discussions of the card catalog, library plans, principles of classification, mechanical make-up of the books, reference books, indexes, bibliography, and printed aids in book selections.

DIVISION OF FINE ARTS

| | | | |
|----------------|-------------|-------------|--------------|
| Mr. Van Peurse | Miss Fowler | Mrs. Lutes | |
| Miss Campbell | Miss Gibson | Miss Mebane | Miss Telford |

Art

| | | |
|-------------|-------------|-------------|
| Miss Fowler | Miss Gibson | Miss Mebane |
|-------------|-------------|-------------|

Art 117. (Formerly Art 115 and 116.) Elementary Drawing and Design. (4 hours.) Laboratory fee, \$3.00.

Purpose: Development of technical skill and creative ability through fundamental training in the use of line, form, tone and color. A beginning course of general appeal, also an essential foundation course for the special art student and the home economics major.

Topics: Representation of simple objects, plants, birds, animals, the human head and figure. Elementary study of perspective, light and shade composition, color, design, pencil and pen drawing. Mediums employed include pencil, charcoal, crayon, water-color, clay, pen and ink.

Art 161. Public School Art. (2 hours.) Fee, \$2.00.

Purpose: A course for the grade teacher who wishes to become more efficient in the teaching of lettering, design, color, representation, construction and appreciation in the elementary school. Units of work are based on the minimum content essentials, integrating art with the subject matter of the curriculum.

Topics: Problems are presented to develop skill in representation—drawing of the human figure, animals, birds, plants and constructed objects; color; design; lettering; book-making; appreciation.

Art 200. (Formerly Art 190). Appreciation of Art. (2 hours.) Fee, 50c.

Purpose: Establishment of a basis for judgment and good taste through a survey of the development of architecture, sculpture, painting, design, and the applied arts, with emphasis placed upon the analysis of selected examples.

Topics: Architecture, sculpture, painting, the graphic arts, printing and advertising art, industrial arts, color, design, dress, the theatre, community art, art in the home.

Art 215. Color Theory. (1 hour.) Fee, \$1.00.

Purpose: Development of ability to use color scientifically and to experience intelligent enjoyment of its effects. A course of general interest, especially valuable to the special art student and the student of dramatic arts.

Topics: The hues of the spectrum, their external causes, their appearance under different conditions of illumination, the different

qualities of each which results from the use of various materials and methods of treatment. The use of typical color combinations; study of so-called systems of color.

Art 217. (Formerly Art 216 and 225.) Lettering and Poster Design. (2 hours.) Fee, \$2.00.

Purpose: Development of appreciation of good typography, and good design in lettering and posters. Development of the ability to apply art principles in the production of hand lettering and effective posters.

Topics: The fundamental styles of lettering, their origin and development, their possibilities for use and adaptation. Problems in spacing and page arrangement, including the making of monograms, notices, show cards. Application of advertising principles to the making of simple posters.

Art 222. Interior Decoration. (2 hours.) Fee, 75c.

Purpose: A general survey course for the student who desires a knowledge of the principles of design in relation to interiors. Special emphasis is placed on the house and its interior.

Topics: Architecture; the house and its setting, types of houses; exterior and interior architecture; ornament. Study of period furniture, characteristic period backgrounds, antiques, reproductions. Treatment of interiors—color, form, line, texture in furniture and furnishings in relation to backgrounds; stage settings.

Art 315. Drawing, Painting, and Composition. (3 hours.) Fee, \$1.25. (Students supply water colors and materials for all painting.)

Prerequisite: Art 117 or equivalent.

Purpose: Development of technical skill and creative ability.

Topics: Drawing and painting in charcoal, crayon, chalk, oil and water color. Study of still life, out door sketching, perspective, composition.

Art 316. Drawing and Modeling. (2 hours.) Fee, \$1.25.

Prerequisite: Art 117 or equivalent.

Purpose: Development of graphic ability.

Topics: Drawing and modeling from the cast of head and figure; figure sketching and composition.

Art 355. (Formerly Art 255.) Costume Design. (2 hours.) Fee, \$1.00.

Purpose: The course is planned to give a general knowledge of the principles of design as they relate to the costume. This course is for the special art student and the home economics major.

Topics: Color, form, line, texture, history of costume, projects for the secondary school, costuming plays; technical problems of the

representation of costumes in water color, pen and ink, crayon and tempers; appreciation of the work of costume designers.

Art 361. (Formerly Art 261.) Art Education in the Elementary and Secondary School. (3 hours.) Fee, \$1.00.

Purpose: A course for teachers who wish a general knowledge of present day theories and practices of art education in the elementary and secondary school.

Topics: The course of study, minimum content essentials, methods, standards of attainment, tests and measurements and equipment.

Art 372. Applied Design. (3 hours.) Fee, \$3.00.

Prerequisite: Art 117 or equivalent.

Purpose: To develop through the use of materials and processes and through a study of fine examples of crafts an appreciation of good craftsmanship.

Topics: Application of design made to stenciling, linoleum block printing, batik, leather tooling, tie-dyeing, soap carving, book making.

Art 390. (Formerly Art 290.) The History of Art. (3 hours).

Purpose: To provide the student with a basic understanding of the development of the plastic arts.

Topics: An introduction to the study of the history of architecture, sculpture, painting, and minor arts of all nations; prints and slides are used for illustrative purposes.

Art 475. (Formerly Art 375.) Commercial Art and Illustrations. (3 hours.) Fee, \$2.00.

Prerequisites: Art 117, 217, 316 or equivalent.

Purpose: Development of creative ability and technical skill in the field of commercial art.

Topics: Lettering, layout, design, illustration in black and white and in color; methods of reproduction.

Art 476. Advanced Painting. (3 hours.)

Materials to be supplied by student.

Prerequisites: Art 117, 315, 316, and preferably 215 or equivalent.

Purpose: Development of technical skill and appreciation for those desiring special training in painting mediums.

Topics: Painting in water color and oil from still life and the figure. The course will be adapted to the requirements of the particular group.

Music

Mr. Van Peurseem

Miss Campbell
Mrs. Lutes

Miss Telford

MUSIC FEES

Individual Instruction ((Piano, voice, violin, cello):

| | |
|---|---------|
| Two half-hour lessons per week, one semester | \$27.00 |
| One half-hour lesson per week, one semester | 18.00 |
| Music 18a, 18b, 28a, and 28b, one semester | 5.00 |
| Music 238b, one semester | 5.00 |
| Practice room with piano one hour daily, one semester | 5.00 |
| Use of school owned violin, one semester..... | 2.50 |

MUSIC SCHOLARSHIPS

The college awards annually three scholarships to those students who make the most satisfactory progress in piano, voice, and violin. The value of these scholarships is \$54.00 each.

Music 11a and 11b. Piano. Individual Instruction. (No credit.)
See music fees.

This work may be completed in one year, or it may require more time, according to the ability and application of the students.

Topics: Major scales and tonic chords.

Kohler, Op. 190; Streabbog, Op. 63; Bilbro, Progressive Early Grade Studies; Loeschorn, Op. 65 Bk. I.

Music 18a and 18b. Piano. Class Instruction. (No credit.)
See music fees.

Purpose: To give group instruction, to provide a foundation for correct piano playing and to prepare the student for more advanced private study.

Topics: Hand position, notation, simple melodies, and folk songs.

Music 21a and 21b. Voice. Individual Instruction. (No credit.)
See music fees.

Music 28a and 28b. Voice. Class Instruction. (No credit.)
See music fees.

Music 31a and 31b. Violin. Individual Instruction. (No credit.)
See music fees.

This work may be completed in one year, or it may require more time, depending upon the ability and application of the student.

Topics: Such studies, scales, and exercises as will prepare the student to enter Music 231a.

Music 36a and 36b. Violin cello. Individual Instruction. (No credit.)

See music fees.

Music 120. Chorus. (1 hour.)

Purpose: To encourage and foster a knowledge of and a desire to participate in choral singing, to teach part singing, to familiarize students with standard community and folk songs with the more familiar choral works of the masters and with some of the simpler modern works for mixed chorus.

Topics: Familiar sacred and secular songs, and the simpler works for mixed chorus.

Music 150. Elements of Music. (2 hours.)

Prerequisite: Music 160, or equivalent music experience.

Purpose: To provide, for those of some music experience, a thorough foundation in the elements of music notation and terminology, and the fundamental principles of reading by syllable, and to equip the student with such theoretical knowledge as is needed in order to profitably begin the study of Harmony.

Topics: Staff notation, notes, rests, clefs, scales (various modes), keys, meter, chromatic tones, intervals, chords, cadences, abbreviations and other symbols, music terms, elements of form, solmization, music writing and simple dictation.

Music 160. Public School Music. (2 hours.)

Purpose: To consider the subject matter of music in the rural and in the graded school, together with the educational principles applied to its presentation, and to acquire some of the skills necessary to the teaching of grade school music.

Topics: The aim of music in the grades, child voice, tone quality, unmusical singers, rhythmic development, staff notation, beginning music reading, use of the phonograph in singing and in rhythm and appreciation work, materials, and appreciation.

Music 201. Music Appreciation. (3 hours.)

Prerequisite: Music 150.

Purpose: To foster a love for, and understanding of, good music.

Content: The best music of all times, reproduced on the phonograph; folk music, art songs, instrumental forms; instruments and instrumental music; the human voice.

Music 211a and 211b. Piano. Individual Instruction. (2 hours.)

See music fees.

Topics: Schmitt Preparatory Exercises; all major and minor scales in parallel motion; tonic chords and inversions.

Burgmuller, Op. 100; Loeschorn, Op. 65, Bk. II; Bach-Carroll, Book for Beginners; Clementi, Easy Sonatas, Op. 36.

Music 212a and 212b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Schmitt Preparatory Exercises; major and minor scales in parallel and contra motion; tonic chords, and broken chords with inversions.

Heller, Op. 47; Duvernoy. Op. 120; Bach. Little Preludes; Clementi and Kuhlau Sonatinas.

Music 213a and 213b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Wolff. The Little Pischna; major and minor scales in parallel and contra motion; tonic broken chords and inversions; tonic and diminished seventh arpeggi.

Czerny. Op. 299. Heller, Op. 45; Bach, Two Part Inventions; Mozart, easiest Sonatas.

Music 214a and 214b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Philipp, Exercises Pratiques; or Pischna; major and minor scales in thirds, sixths, and tenths; tonics, dominant, and diminished seventh arpeggi, and inversions.

Cramer (Bulow), Sixty Selected Studies; Bach, three part inventions; and Sonatas by Mozart and Haydn.

Music 215a and 215b. Piano. Individual Instruction. (2 hours.)
See music fees.

Topics: Philipp; Pischna, Exercises Journaliers; scales and arpeggi in faster tempi.

Bach, French Studies; Czerny, Op. 740; or Clementi, Gradu ad Parnassum; Beethoven, Sonatas.

Music 221a and 221b. Voice. Individual Instruction. (2 hours.)
See music fees.

Topics: Breathing exercises inductive to correct breathing; diction, with emphasis placed on vowel formation; technical exercises to fit the individual need of the student.

Sieber studies; simple sacred and secular songs.

Music 222a and 222b. Voice. Individual Instruction. (2 hours.)
See music fees.

A continuation of the fundamentals introduced in the first year's work.

Topics: Scales, with emphasis on evenness of scale; Vaccai and Marchesi studies; songs from the English, Italian and German schools.

Music 223a and 223b. Voice. Individual Instruction. (2 hours.)
See music fees.

Topics: Continuation of scales, supplemented by other exercises leading to more rapid vocalization; Ponofka studies; art songs, with attention to interpretation and artistic performance.

Music 224a and 224b. Voice. Individual Instruction. (2 hours.)

See music fees.

Topics: Advanced technical exercises; selections from the standard operas and oratorios; songs in French, Italian and Classical Leader.

Music 231a and 231b. Violin. Individual Instruction. (2 hours.)

See music fees.

Purpose: To develop technique and solo ability; to train the student to participate in the varied chamber music combinations; to acquaint the student with the orchestral literature.

Topics: Technical proficiency through the third position; two finger scales in these positions; two octave scales in all major keys; development of the technique of the left hand and of the bow arm; sight reading.

Studies and exercises by Kayser and Wohlfart Danca, Variations. Simple classical selections.

Orchestra attendance required.

Music 232a and 232b. Violin. Individual Instruction. (2 hours.)

See music fees.

Topics: Study of the positions; scales and arpeggi in all major and minor keys, in all positions; chord study, double, triple and quadruple; finger, shifting and bowing exercises; one and two finger scales preparatory to octaves; broken octaves; sight reading.

Mazas, Opus 36; Kreutzer, Selected Studies; Fiorillo and Parre; Miscellaneous pieces; One or more of the simpler concertos and sonatas.

Orchestra attendance required.

Music 233a and 233b. Violin. Individual Instruction. (2 hours.)

See music fees.

Topics: Three octave scales; left and right hand pizzicato; varied bowings of the diminished seventh chord; all scales, ascending and descending on one string, with any one, two or three fingers; thirds; fingered harmonics.

Sevcik, Opus 8; Fiorillo; Rode; Wilhelmj, School of Thirds; Handel, Six Sonatas; Tartini, Sonata in G Minor.

Orchestra attendance required.

Music 234a and 234b. Violin. Individual Instruction. (2 hours.)

See music fees.

Topics: Scales in thirds and octaves; fingered octaves and tenths; cultivation and development of style and an understanding of the composition being played; sonatas and concertos of preceding years continued for public performance; extensive violin solo and chamber-music literature.

The student is required to do ensemble work in string quartette, and must be able to play first violin in the college orchestra.

Music 236a and 236b. Violin cello. Individual Instruction. (2 hours.)

See music fees.

Music 238a. Violin. Class Instruction. (1 hour.)

Purpose: To give sufficient playing and technical ability to teach violin in class and to train the string section of a school orchestra.

Topics: Correct violin position for playing, resting and tuning; major scales and arpeggi in first position; bowing exercises; introduction to third position; study, discussion, and practice teaching in the class; and instrumental class procedure and methods.

Books I and II of various beginners methods, three and four part ensemble material, and simple sight reading.

Music 238b. Violin. Class Instruction. (1 hour.)

See music fees.

Topics: Third position; bowing and finger exercises continued; fingering in half position explained and practiced; open harmonics; and string and orchestral music introduced with careful attention given to correct position, tone production, and uniform bowing.

Book III of various beginners methods, and supplementary practice and sight reading material.

Music 243a and 243b. Wind Instruments. Individual Instruction. (2 hours.)

See music fees.

Topics: Embouchre; principles of tone production; breathing; tonguing; phrasing; and theory, including major and minor scales, arpeggi, and easy transpositions.

Universal Teacher, Maddy and Giddings, and Foundation Method, Vereecken.

Music 248a. Wind Instrument Class. (1 hour.)

Purpose: To prepare teachers of instrumental music in the schools.

Music 251. (Formerly Music 151. Harmony I. (2 hours.)

Prerequisite: Music 150.

Purpose: To provide an elementary knowledge of the construction, classification, and progression of chords.

Topics: Major and Minor scales, intervals; triads; dominant seventh with its resolutions; inversions; and harmony at the keyboard.

Music 252. (Formerly Music 152.) Sight Singing and Ear Training I. (1 hour.)

Prerequisite: Music 150.

Purpose: To begin development of aural perception of music symbols, to teach association of the symbol with the tone it represents, and to teach reading and listening.

Topics: Sight singing of melodic exercises in major and minor keys, in various rhythms; tone groups, and verbal and tonal dictation, interval drill.

Music 253. (Formerly Music 153.) Harmony II. (2 hours.)

Prerequisites: Music 150 and 251.

Topics: Modulation by dominant seventh, cadence in new key, common chord modulation, dominant ninth, chords of the seventh, and harmony at the keyboard.

Music 254. (Formerly Music 154.) Sight Singing and Ear Training II. (1 hour.)

Prerequisite: Music 252.

Topics: More difficult sight singing and tonal dictation, simple harmonic recognition, and more complex rhythms.

Music 302. (Formerly Music 202.) Music History. (2 hours.)

Purpose: To study the history of music for its cultural and appreciative value.

Content: The development of ancient and medieval music, the lives of musicians up to and including the time of Beethoven, illustrated with phonograph records.

Music 303. (Formerly Music 203.) Music History II. (2 hours.)

Purpose: A continuation of Music History I.

Content: The music and lives of composers since Beethoven.

Music 351. (Formerly Music 251.) Harmony III. (2 hours.)

A continuation of Music 253.

Music 352. (Formerly Music 252.) Sight Singing and Ear Training III. (1 hour.)

A continuation of Music 254.

Music 353. (Formerly Music 253.) Harmony IV. (2 hours.)

A continuation of Music 351.

Music 354. (Formerly Music 254.) Sight Singing and Ear Training IV. (1 hour.)

Music 361. (Formerly Music 261.) Grade Methods and Materials. (2 hours.)

Prerequisites: Music 150 and 160, or the equivalent.

Purpose: To prepare the advanced student for the teaching and supervision of music in the grades, and to acquaint him with methods and materials.

Topics: Same as Music 160, but a more advanced consideration. The course includes observation, and library reading.

Music 362. (Formerly Music 262.) Conducting. (2 hours.)

Prerequisites: Music 150 and 160, or the equivalent.

Purpose: To train students to conduct chorus and orchestra efficiently, and to lead community singing.

Topics: Technique of the baton, tempo, attach, release, phrasing, dynamics, seating of the chorus and orchestra, discipline of rehearsals, and community music.

Music 363a and 363b. Teaching of Piano in Classes. (2 hours.)

Prerequisite: Music 213, or the equivalent.

Purpose: To prepare the advanced student for the teaching of class piano in the graded school.

Topics: Methods of teaching piano in classes, observation, and practice teaching.

DIVISION OF BIOLOGICAL AND PHYSICAL SCIENCES

Mr. Cox
Mr. Herndon

Mr. Hummell
Mr. Kennamer

Miss Krick
Mr. Rumbold

General Science

Mr. Cox
Mr. Herndon

Mr. Hummell

Miss Krick
Mr. Rumbold

The two courses in general science are designed for elementary teachers and supervisors. They are primarily content courses dealing with the general fields of the biological and physical sciences. The subject matter of these courses include also aims in teaching elementary science, methods of presentation, and ways of collecting, using, and preserving materials for the teaching of science.

Science 110. Introduction to Science. (3 hours.) Laboratory fee, \$1.50.

Purpose: The purpose of this course is to present the field of the physical sciences, their nature and interpretation.

Topics: This course deals with the important topics in physics, chemistry, geology and related subjects.

Science 111. Introduction to Science. (3 hours.) Laboratory fee, \$1.50.

Purpose: This course is a continuation of Science 110 and presents in broad outline the field of the biological sciences.

Topics: This course deals with the important topics in biology, botany, zoology, and related subjects.

Biology

Mr. Rumbold

Miss Krick

Biology 121. General Biology. (4 hours.) Laboratory fee, \$4.00.

Purpose: An elementary course intending to give the student a survey of the plant and animal kingdoms; to introduce the student briefly to genetics; to study man's structure, development, and relationship to other animals; to acquaint the student with the more complex phenomena of life.

Topics: Fields of biology; history of biology; algae; fungi; mosses, ferns, higher seed plants; intermediate forms; protozoa; porifera; coelenterata; segmented worms; insecta; vertebrates. The frog—digestive system, blood system, nervous system, excretory sys-

tem, reproductive system, respiratory system, embryology, homology, and analogy; protective coloration; adaptation, and genetics.

Biology 231. Botany I. General Botany. (4 hours.) Laboratory fee, \$4.00.

Purpose: An introductory course in botany whose purpose is to give the student fundamental principles regarding the structure, function and reproduction of representative seed plants. Occasional field trips are provided in order to study plants growing in the field and greenhouse.

Topics: History of botany; cell structure and growth; detailed study of structure of root, stem, leaf, flower, fruit and seed; plant response to environment and plant heredity.

Biology 232. Botany II. General Botany. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121.

Purpose: To give the student a wider knowledge of the field of botany from the lowest algae to seed plants; to give an organized view of the structure, reproduction, and interrelationship of the four great plant groups.

Topics: Representatives of the four divisions of plants are studied as to their structure, reproduction, and economic importance. Three lines of development are followed: (1) development of plant body from simple to complex, (2) development of the concept of alternations of generations, (3) development of sex in plants.

Biology 241. Invertebrate Zoology. (4 hours.) Laboratory fee, \$4.00.

Purpose: This course is intended for students who desire to major in the biological sciences. It includes a detailed survey of the lower forms of the animal kingdom.

Topics: Protozoa, porifera, coelenterata, ctenophora, platyhelminthes, nemathelminthes, annelida, echinodermata, mollusca, and arthropoda in more detail than offered in Biology 121. Examples, characteristics, life histories, structures, and ecology with a discussion of their evolution.

Biology 242. Comparative Anatomy. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: Intended for pre-medics and majors in biology and physical education. An intensive study of the comparative anatomy of the various systems of vertebrates, including dissection work.

Topics: The comparative anatomy of the skin, digestive, circulatory, respiratory, excretory, reproductive glands of internal secretion, skeletal, muscle, nervous and sense organs in vertebrates.

Biology 325. (Formerly Biology 225.) Genetics. (2 hours.)

Prerequisite: Biology 121, or 231, or 241.

Purpose: Introduction to the laws of inheritance and their application to man, including a consideration of the factors underlying race deterioration and race betterment.

Topics: Mendel and Mendel's laws, recent workers including T. H. Morgan, Chromosome theory of heredity, linkage, crossing over, interference, biometrics, race betterment, and race deterioration.

Biology 335. (Formerly Biology 235.) Local Flora. (2 hours.)

Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 231.

Purpose: To familiarize the student with the local flora, to instruct in the use of various systematic keys to flora, and to enable the student to recognize and classify the flowering plants.

Topics: Various systems of classifications; the basis for scientific names. The most frequent and most important families of plants are studied from the standpoint of their flower and fruit characteristics as a basis of classification into families, genera and species. Identification of flowers is given a prominent place.

Biology 343. (Formerly Biology 243.) Economic Entomology.

(4 hours.) Laboratory fee, \$4.00.

Purpose: To introduce to the student the most important insects economically on the farm, in the home, and in other habitats. Field work with the making of a collection of important economic insects.

Topics: Taxonomy of insects, anatomy and physiology of insects, life histories, economic importance, methods of control.

Biology 433. (Formerly Biology 233 and 333.) Plant Diseases.

(3 hours.) Laboratory fee, \$4.00.

Prerequisites: Biology 231, or 121 and permission of the instructor.

Purpose: To give definite information regarding the most important plant diseases of this region of the United States, and to acquaint the student with the general problems in the field of plant pathology.

Topics: Typical plant diseases are studied with regard to their symptoms, causes and means of spread; life history of the casual organisms; and economic importance of the disease and methods of control.

Biology 444. (Formerly Biology 244 and 344.) Animal Parasites.

(4 hours.) Laboratory fee, \$4.00.

Prerequisites: Biology 121 or 241.

Purpose: Course is intended for students preparing for medicine or public health work. A consideration of the animal parasites with particular emphasis upon those infesting man and their treatment.

Topics: Protozoa-Sarcodina (amoebic dysentery); Mastigophora (Trypanosomes); Spirocheataceae; Infusoria; Sporozoa, including various types of malaria; Platyhelminthes (flukes and tapes); Nematelminthes (ascaris, hook worm, trinchina, whip worm, elephantiasis, guinea worm, etc.); prevalence of parasitic worms and remedial measures; animal parasites among Mollusca, Aneldia, and Arthropoda; Archnida (mites and ticks); Arthoropods (lice, bed bugs, fleas, flies, mosquitoes); poisonous animals.

Biology 445. (Formerly Biology 245 and 345.) Embryology. (4 hours.) Laboratory fee, \$4.00.

Prerequisites: Biology 121 and 242.

Purpose: This course is designed primarily for majors and minors in the department and pre-medical students acquainting them with the fundamental principles of embryology as found in the animal kingdom.

Topics: Complete study of the embryology of the starfish, frog, and chicken, with considerable work on mammalian embryology.

Biology 481. (Formerly Biology 381.) Animal Physiology. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Biology 121 or 241.

Purpose: This course is intended for majors in home economics, physical education, and biology. It is a course in functional zoology with a detailed study of the physiological processes in the human body.

Topics: Physiology of respiration, muscles, reproduction, excretion, nervous system, circulation, and digestion.

Chemistry

Mr. Cox

Mr. Herndon

The chief function of this department is the training of chemistry and science teachers. However, courses are offered to meet all requirements for medicine, dentistry, engineering and graduate work.

Majors in chemistry are required to take the following courses: Chemistry 111, 112, 213, 215, and 411 or 415.

Chemistry 111. (Formerly Chemistry 211.) General Chemistry. (4 hours.) Laboratory fee, \$4.00.

Purpose: The purpose of this course is to give the student the fundamental principles of Chemistry.

Topics: A brief history of the development of the science of chemistry; the chemical nature of matter; preparation and properties of oxygen, hydrogen, nitrogen, chlorine, carbon and sodium; the gas laws; the chemistry and purification of water; the theory of solutions; acids, bases, salts and neutralization; the theory of ionization and its applications; microcosmic chemistry.

Chemistry 112. (Formerly Chemistry 212.) Inorganic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111.

Purpose: Continuation of the year's work in the first year of college chemistry.

Topics: Nitrogen and compounds; sulfur and compounds; phosphorus and compounds; ceramics; law of mass action and equilibrium; colloids; metallurgy, radioactivity; periodic numbers and their significance.

Chemistry 213. Qualitative Analysis. (4 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 112.

Purpose: A continuation of Inorganic Chemistry with special reference to the separation and identification of the metals and non-metals and the theory of solutions.

Topics: Simple equilibrium; complex equilibrium; solubility product law; law of precipitation; law of solution; law of the common-ion; introduction to the use of the spectroscope and microscope in analysis; identification of minerals.

Chemistry 215. Organic Chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 111 and 112. (112 not required as prerequisite for Home Economics majors.)

Purpose: To give a general survey of the principal compounds of Aliphatic organic chemistry.

Topics: Methane series and derivatives; ethylene series and derivatives; acetylene series and derivatives; polycyclic compounds; glucids, lipids, protids and related compounds.

Chemistry 216. Quantitative Analysis. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 213.

Purpose: To give fundamental experience in the technique of quantitative determination.

Topics: The principles and use of the analytical balances; calibration of weights; the laws of partition; principles of stoichiometry; quantitative determinations of ordinary metals and non-metals; gravimetric; volumetric and electrolytic determinations.

Chemistry 312. Advanced Organic Chemistry. (4 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 215.

Purpose: To give a general survey of the aromatic organic compounds and to acquaint the student with some of the theories of modern organic chemistry.

Topics: Aromatic hydrocarbons, aldehydes, phenols, amines, diazonium compounds, dyes, drugs, etc.; theory of color, molecular rearrangements, tautomerism, etc.

Chemistry 313. Bio-chemistry. (5 hours.) Laboratory fee, \$4.00.

Prerequisites: Chemistry 111 and 215.

Purpose: To acquaint the student with the chemical reactions of digestion and metabolism.

Topics: Qualitative tests for digested substances in vivo and in vitro; chemical nature of muscle, blood and bone; enzyme action; urine analysis.

Chemistry 411. (Formerly Chemistry 311.) Advanced Quantitative Analysis. (3 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To familiarize the student with the different methods and instruments used in quantitative analysis.

Topics: Analysis of ores; potentiometric determinations; the principle and use of the colorimeter and nephelometer; polariscope; refractometer; gas analysis; combustion train.

Chemistry 415. (Formerly Chemistry 315.) Physical Chemistry (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Chemistry 216.

Purpose: To broaden the student's conception of chemical laws and to illustrate interrelationships of chemistry and physics.

Topics: Quantitative determination of the kinetic theory; gas laws and molecular weights; Debye's theory of the dielectric constants; phase rule; laws of thermodynamics.

Geology

Mr. Kennamer

Geology 301. (Formerly Geology 201.) Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin; major physiographic features, their origin and influence on man.

Physics

Mr. Hummell

Physics 102. Household Physics. (3 hours.) Open to students majoring or minoring in Home Economics.

Purpose: To study the principles of physics and their applications in the home.

Topics: Lectures with experimental demonstrations.

Physics 201. Mechanics, Heat, and Sound. (5 hours.) Laboratory fee, \$2.00.

Prerequisites: Mathematics 107, Mathematics 113 or registration in Mathematics 113.

Purpose: A general course treating mechanics and heat, and given not only for those students who intend to teach physics in high school, but also for those students who expect to enter the field of engineering.

Topics: Falling bodies; Newtons laws of motion and applications to practical problems; curvilinear motion; composition and resolution of forces; the laws of equilibrium and their application to various problems; work and energy; machines; momentum; elasticity; simple harmonic motion; hydrodynamics; heat and molecular physics including thermometry, pressure, expansion of solids, liquids, and gases, and modern radiation theory.

Physics 202. Electricity, Magnetism, Wave Motion and Sound, and Light. (5 hours.) Laboratory fee, \$2.00.

Prerequisite: Physics 201.

Purpose: This course is a continuation of Physics 201, and should be taken by the student who expects to teach physics or general science in high school, or to enter the engineering field.

Topics: Electrostatics, the nature of electricity, properties of a moving electric charge (chemical, heating, and magnetic effects), magnetism, Ohm's law, measurement of electrical quantities, sources of electrical energy, Lenz's law, inductance and capacity, alternating current, and electric waves and radio.

Physics 300. Modern Physics. (4 hours.)

Prerequisites: Physics 201, Physics 202, Mathematics 351 or registration in Mathematics 351.

Purpose: To acquaint the student with the general field of modern physics before he studies the special subjects in more detail.

Topics: Historical introduction, some useful mathematics, alternating current, electromagnetic theory of radiation, properties of moving charged bodies, the electron, kinetic theory of gases, thermionics, the photoelectric effect, X-rays and their applications, Bohr theory of spectra, periodic law and atomic structure, critical potentials, radio

and television, radioactivity and isotopes, geophysics, astrophysics, relativity, specific heats, electrical resistance, high frequency sound waves, and recent developments in physics.

Physics 302. Introduction to Physical Optics. (3 hours.)

Prerequisites: Physics 201 and 202.

Purpose: To study the nature of light and its related phenomena.

Topics: Wave motion, reflection and refraction, further study of lenses, the telescope, dispersion, facts concerning the spectrum, interference, diffraction, plane polarized light, the electromagnetic theory of light, the quantum theory and origin of spectra, the dilemma.

Physics 304. Advanced Electricity and Magnetism. (3 hours.)

Prerequisites: Physics 201, 202, and Mathematics 351.

Purpose: To study the theory of electricity and magnetism.

Topics: Magnetism, the electric current, electrostatics, electrolysis, thermo-electricity, electromagnetics, alternating currents, electromagnetic radiation, conduction in gases, and electrons and atoms.

Physics 401. (Formerly Physics 301.) An Advanced Course in Mechanics. (5 hours.)

Prerequisites: Mathematics 352 and Physics 201 and 202.

Purpose: To give the student a firm grasp of the physical principles of theoretical mechanics, leaving aside at first all mathematical developments and all practical applications, except in so far as these contribute to the elucidation of the fundamental physical principles.

Topics: Rest and motion, force and the laws of motion, forces acting on a single particle, statics of systems of particles, statics of rigid bodies, center of gravity, work, motion of a particle under constant forces, motion of systems of particles, motion of a particle under a variable force, motion of rigid bodies, generalized coordinates.

DIVISION OF EDUCATION

Mr. Jones
Mrs. Case
Mr. Cuff
Mr. Edwards

Mr. Ferrell
Miss Hansen

Mr. Mattox
Miss Schnieb
Mrs. Tyng

Training School Staff

Miss Adams
Miss Alvis
Mr. Bryant
Miss Carpenter
Mr. Coates

Mr. Grise
Miss Hanson
Miss Lee
Miss Lingenfelter
Miss Pugh

Miss Rush
Miss Story
Mr. Walker
Miss Wilson
Miss Wingo

Education 111. Educational Psychology. (3 hours.)

Purpose: (a) To introduce the future teacher to the fundamental principles of educational psychology, (b) to teach the student to apply the psychology of learning to classroom practice, and (c) to provide some acquaintance with the field of measurement.

Topics: Introduction, nature and nurture, growth, motivation, emotion, mental hygiene, intelligence, individual differences, the learning process, the control of the learning process, the hygiene of work, psychology of learning in school subjects, psychology in school relationships, transfer of training, the higher intellectual responses, measurement of achievement, and character and personality.

Education 160. Classroom Management. (3 hours.)

Purpose: To acquaint the student with the problems of school management; to see how to handle these problems with the minimum amount of energy and time; to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two; to acquaint the student with a well-organized, well-managed school through directed observation in demonstration school.

Topics: Organizing the school, the first day of school, the daily program, the graduation and classification of pupils, discipline, management of the library, attendance, records and reports, schoolroom equipment; classroom routine, school house keeping, sanitation and health, and management of extra-curricular activities.

About one-fifth of the time will be spent in observation in a regularly organized training school meeting the standards of the American Association of Teachers Colleges.

Education 162. Teaching the Common School Branches. (3 hours.)

Purpose: (a) To familiarize the student with the state course of study, (b) to give practice in organizing materials for class work,

and (c) to acquaint the student with modern methods of teaching through directed observation in a demonstration school.

Topics: Subjects as outlined in the state course of study with special emphasis on reading, language, spelling and arithmetic; educational seat activities; measuring instruction by the use of examinations, standardized and new type tests.

This course meets four hours per week, at least one of which is spent in observation in a regularly organized training school, a school organized especially for training school purposes and meeting the standards of the American Association of Teachers Colleges.

Education 261. Fundamentals in Early Elementary Education. (3 hours.)

Purpose: (a) To provide graduated approach to student teaching in the primary grades, (b) organize units of work, both group and individual, (c) introduce methods in teaching grades one, two, and three, (d) learn to make lesson plans, (e) give practice in organizing materials for the between-recitation period, (f) evaluate theories of teaching in the light of classroom procedure, by direct observation in the Training School, by assigned readings, and by classroom discussion, (g) acquaint the student with the common school problems and activities which arise in the experience of teachers as daily program, school sanitation, economy of time, discipline, class and individual instruction, and (h) to help the student sense the relation of the school to the community and cultivate a constructive and harmonious contact between the two.

Topics: Standards for observing class work; lesson planning; daily program; teaching pre-primer reading, reading in the primary grades, oral and written expression, spelling, number work, social studies, nature study, health and seat work; measuring progress of instruction; the meaning and the function of the school; school organization and equipment; class organization; function of the course of study, curricular activities, classroom routine and equipment; school sanitation; economy of time; discipline and community cooperation.

Education 263. Fundamentals in Intermediate Education. (3 hours.)

Purpose (a) To acquaint the student with the common school problems and activities which arise in the experiences of teachers, (b) to help the student see the relation of the school to the community and sense the importance of bringing the schools into the homes, (c) to give practice in organizing units of work for use in the intermediate grades, (d) to give practice in making lesson plans, (e) to introduce some of the devices and methods used in modern teaching, and (f) to evaluate theories of teaching in the light of classroom procedure by directed observation in the intermediate grades of the Training School and by assigned readings and class discussion.

Topics: The meaning and the function of the school, school organization and equipment, class organization, function of the course of study, curricular activities and materials, classroom routine and equipment, community cooperation, standards for observing class work, lesson planning, teaching the elementary school subjects in the later grades, and measuring progress of instruction.

Education 265. Supervised Student Teaching. (5 hours.)

Prerequisite: Education 261 or Education 263.

Purpose: It is the purpose of this course (1) to develop by practice the skills, techniques and controls essential to successful classroom procedure in the elementary school and (2) to acquaint the student teacher with modern devices and materials of elementary education.

Topics: Observation of the activities of the classroom and materials of instruction. Under the training teachers supervision activities are planned, and help is given in the performance of routine. Actual class teaching begins with a small group of children, but near the end of the term the student teacher is expected to take charge of the entire room. All student teachers meet the training teacher under whom they work for a one-hour conference period daily.

Education 301. (Formerly Education 201.) The Junior High School. (2 hours.)

Purpose: (a) To familiarize prospective high school principals and teachers with the underlying movements which account for the origin and development of the junior high school, (b) to give an understanding of the purposes of the junior high school, its organization, and administration, (c) to determine the peculiar objectives and functions of the junior high school education, and (d) to present a background necessary for an understanding and interpretation of this type of educational reorganization.

Topics: Origin, development, and present status of the junior high school movement; relation of the junior high school to elementary education, to secondary education, and to the school system in general; objectives, functions, and essential features of the junior high school; the program of studies; types of programs; evaluation of the different type programs; factors determining curriculum organization; objectives, content, organization and place of the various subjects of study in the program of studies; directing learning activities; planning instruction; measuring and recording progress; plans and standards of promotion; guidance; the place of extra-curricular activities in the junior high school; the junior high school plant, buildings and grounds, library, apparatus, and equipment, accounting practices; training, qualifications, and success traits of junior high school principals and teachers.

▲

Education 305. Educational Sociology. (2 hours.)

Purposes: (a) To investigate the several factors and laws upon which educational theory and practice must rest, (b) to give a concrete picture of the actual conditions and the distinctive characteristics of group life, (c) to furnish teachers and prospective teachers with a fundamental background necessary for a sympathetic understanding of the relation of the school to the upbuilding of the other institutions of the community, and (d) to study the social forces which determine the selection of school subjects, their content, method of presentation, and social values.

Topics: The relation of sociology to education; the problems with which educational sociology deals; the individual in relation to the group; the nature of society; social groups, their classification, and functions; problems of the modern home; social analysis of play; neighborhood and community; isolation, contact, and social interaction; social forces and their significance in modern society; problems of the church in changing civilization; the state, democracy, and education; evolution of the modern school; social and educational surveys; the sociological determination of educational objectives; the selection of school subjects; social elements and values in the curriculum; vocational education sociologically analyzed; educational and vocational guidance; social phases of school discipline; socialized methods of teaching; the essential elements of a socialized school.

Education 313. (Formerly Education 114 and 213.) Child Psychology. (3 hours).

Purpose: (a) To acquaint the student with the most important facts and principles relative to childhood, (b) to describe the behavior and activities which may be expected of a child in any stage of development, (c) to teach the student how to observe and to interpret the behavior of children, and (d) to cultivate a sympathetic and understanding attitude toward child life.

Topics: Introduction, biological foundations, early childhood, motivation, emotion, language, manipulation, play, physical development, mental life, learning, intelligence, character and personality, adolescence, individual differences, and guidance of children.

Education 314. (Formerly Education 214.) Psychology of Adolescence. (3 hours.)

Purpose: (a) To acquaint students with the most important facts and principles relative to adolescence, (b) to describe adolescent nature, growth, and development so as to facilitate both reliable prediction and suitable guidance of behavior during the teens, (c) to teach students how to solve problems of adolescent behavior, and (d) to cultivate a sympathetic and an understanding attitude toward adolescence.

Topics: Introduction, physical development, mental development, growth of intelligence, adolescent instincts and interests, emotional life, learning and forgetting, moral and religious development, adolescent personality, disturbances of personality, hygiene of adolescence, prediction of adolescent behavior, and guidance of adolescent behavior.

Education 321. Educational Measurement. (2 hours.) Fee, \$1.25.

Purpose: To ascertain the need for accuracy in measurement in education; to evaluate the ordinary examination; to find ways to improve the traditional examination; to acquaint the student with the most prominent of the standardized tests now in use and to study their merits and deficiencies; to develop some degree of skill in the construction of tests; to familiarize the student with the elementary statistical procedures applicable to tests and to indicate the social, educational and vocational significance of tests.

Topics: A historical survey of the development of mental and educational tests; the nature and classification of standardized tests; the construction of tests; the importance of accuracy in measurement; reliability; validity; extent to which standardized measures should replace traditional types of measurement; methods of improving the ordinary examination; the criteria for the selection of standardized tests; statistical analyses of the test data; use of the results for comparison, classification, promotion, guidance, prognosis, diagnosis, measuring the efficiency of methods of instruction, of teachers, and of schools, and the like.

Education 341. The Elementary School Curriculum. (3 hours.)

Purpose: (a) To acquaint the student with the literature on curriculum construction, and (b) to develop fundamental principles which underlie the construction and interpretation of the curriculum and to apply these principles to the organization of specific units of subject matter.

Topics: Objectives of education, function of the school, function of the curriculum, the curriculum as related to the objectives of education, criteria for evaluating curricula, and need and procedure for curriculum construction and revision.

Education 351. (Formerly Education 251.) Rural School Supervision. (3 hours.)

Purposes: (a) To emphasize the need for the supervision of instruction in rural schools, (b) to assist the student in planning and administering a desirable supervisory program, (c) to give instruction in the use of the various agencies of supervision, and (d) to study the proper function of the supervisor and to show how supervision can best serve country teachers.

Topics: Distinction between supervision and administration; nature and problems of supervision; status of rural school supervision

in a few representative states; handicaps and possibilities of the rural school; purposes and principles of supervision; preparation of a constructive supervisory program; organization of the school; relation of the school to the community; gradation and classification of pupils; studying the teacher at work; improvement of teaching through better selection and organization of subject matter; evaluating the efficiency of teachers and supervisors; training and personality of supervisors; ways of measuring supervision; use of circular letters, bulletins, school publicity, demonstration teaching, teachers' meetings, school and classroom visitation, personal conferences, constructive criticism, summer school attendance, extension and correspondence work; tests and measurements, research and experimentation, school exhibits and clubs, intervisitation, and professional reading as agencies of supervision. Throughout the course the improvement of teachers in service is emphasized. Each member of the class is expected to plan a careful program of supervision for a county in Kentucky as a project in connection with the course.

Education 352. (Formerly Education 252.) County School Administration. (3 hours.)

Purposes: (a) To acquaint the student with some of the fundamental problems connected with the administration of county schools, (b) to present a desirable philosophy of rural education, and (c) to familiarize the student with the growing importance of the county superintendency.

Topics: The relation between the state and the county in the administration of schools; powers, duties, and qualifications of the county superintendent; powers, duties and qualifications of the members of the county board of education; school organization and control; the county unit system; the school plant, location, equipment, and care of buildings; consolidation of schools; standardization of rural schools; health program for rural schools; curriculum problems; playgrounds and playground equipment; problems of small schools, especially of one-, two- and three-teacher schools; the junior high school in rural areas; the county high school; community and county organization; the county superintendent's office, needed space and proper equipment; duties of the county superintendent as secretary of the county board; relations between the superintendent and the board; bookkeeping of the county superintendent; budget-making; making the salary schedule; selection placement, and promotion of teachers; child accounting and attendance problems; records and reports; filing records and reports; the proper recording of the minutes and orders of the board; the distribution of funds; school costs and financial accounting; business management; correspondence, office hours, and miscellaneous office routine; office assistants and duties assigned each.

Education 354. (Formerly Education 164 and 254.) Reading in the Elementary School. (2 hours.)

Purpose: To familiarize the elementary school teacher with the best modern principles, methods, and devices; to enable him to see these theories carried out in actual practice; to acquaint him with the best literature of the teaching of reading, together with the best basal and supplementary texts available for this purpose.

Topics: Objectives of reading in the elementary school; reading in the primary and intermediate grades; the place of oral reading in the grades; individual differences; word difficulties; phonics; measuring reading instruction; motivation; materials of instruction.

Education 364. (Formerly Education 264.) Methods of Teaching in the Secondary School. (4 hours.)

Purposes: (a) To provide a graduated approach to student teaching in the high school grades, (b) to give practice in selecting and organizing materials for teaching purposes, (c) to develop a technique of planning instruction, (d) to familiarize prospective high school teachers with the newer forms of teaching technique, (e) to emphasize the desirable outcomes of high school teaching, and (f) to analyze and evaluate by directed observation in the Model High School, by assigned and collateral readings, and by class discussion.

Topics: Meaning and problem of method; outcomes of teaching and their development; factors involved in successful learning and teaching situations; planning instruction; selection, organization, and presentation of subject matter; selecting desirable lesson types; questioning as a teaching procedure; lesson assignment procedures; problem method; teaching pupils to think; project work; socialized class procedures; recitation method; appreciation and enjoyment lesson; expression lesson; laboratory method; lecture method; habit-formation, drill and distributed practice; review procedures; standards and measurements in instruction, informal tests, quizzes, examinations, and marking; teaching pupils how to study and supervising pupil study; visual instruction; technique of using visual aids; adjustment of instruction to individual needs; individual instruction; developing interests; motivation; relation of discipline to instruction; use of textbooks and collateral reading; use of concrete materials in instruction; some illustrative teaching procedures; economy of time and effort; technique of class management; providing opportunity for pupil's activities; exhibiting useful teaching traits.

Education 403. (Formerly Education 203.) Principles of Teaching. (3 hours.)

Prerequisite: Education 111.

Purpose: (a) To develop an understanding of the principles basic to effective teaching, and (b) to acquaint the student with the fundamental problems of teaching and to apply the teaching principles to the possible solutions of these problems.

Topics: Meaning of education, meaning and function of the the school, meaning and evidences of learning, purposeful activities, selection and organization of subject matter, various types of class procedure, making assignments, and standards for judging teaching.

Education 415. (Formerly Education 315.) Advanced Educational Psychology. (3 hours.)

Purposes: (a) To enable the student to study intensively and extensively about the motivation, intelligence, and learning of children, (b) to improve the students ability to teach by increased knowledge of how learning occurs, (c) to discuss conditions for effective school work, and (d) to apply the principles of psychology to the solution of additional school problems.

Topics: Introduction, nature and nurture, growth, motivation, emotion, mental hygiene, intelligence, individual differences, the learning process, the control of the learning process, the hygiene of work, psychology of learning in school subjects, psychology in school relationships, transfer of training, the higher intellectual responses, measurement of achievement, and character and personality.

Education 423. (Formerly Education 223.) Principalship. (3 hours.)

Purpose: The purpose of this course is (a) to give the student a knowledge of the problems of the principal, (b) to study and evaluate the activities and responsibilities of the principal, (c) to acquaint the student with the relation of the principal to teaching, supervision, community activities, and the teaching profession, and (d) to present some of the outstanding problems in the administration and supervision of the elementary and secondary schools.

Topics: History and philosophy of the twelve-grade common school, training of the principal, leadership functions of the principal, office organization for business administration, classification of pupils, pupil progress and promotion, administration of buildings and grounds, adaptation of courses of study to individual needs, purchase of supplies and equipment, establishment and administration of libraries, supervision of teaching-learning, measuring the work of the twelve-grade school, problems of transportation, importance of maintaining friendly public relations, problems of articulation, and integration and unification, problems of athletics, extra curricular activities, and guidance.

Education 431. (Formerly Education 331.) History and Philosophy of Education. (3 hours.)

Purpose: (a) To enable the student to understand and appreciate the place education holds in the development of modern civilization, (b) to analyze and interpret modern educational theories and practice in the light of our educational heritage, and (c) to familiarize the student with the rise and development of public education in the United States.

Topics: Brief survey of the history of education in ancient and medieval times with special reference to the contribution of Greece and Rome and Christianity to modern education; educational influences of the Renaissance and the Protestant Reformation; the role of the doctrine of formal discipline educational influences of Comenius, Rousseau, Pestalozzi, Froebel, and Herbart; rise and development of public education in the United States with emphasis upon the work of Horace Mann, Henry Barnard, and James G. Carter; sociological, psychological, and scientific movements in education; desirable educational reorganizations; brief study of the history and development of public education in Kentucky.

Education 463. (Formerly Education 363.) Student Teaching. (5 or 3 hours.)

Prerequisites: Education 261, 263, or 364.

Purpose: The purpose of this course is (1) to develop the skills, techniques, and controls necessary to successful classroom teaching, and (2) to acquaint the student teacher with modern devices, materials, and methods of teaching.

Topics: The student teacher observes the activities of the classroom, studies the children and the subject matter he intends to teach. Lesson plans are made under the direction of the critic teacher and directions are given by the critic teacher for the performance of routine duties. Student teachers meet the training teacher under whom they work for one hour of conference period daily.

DIVISION OF HEALTH AND PHYSICAL EDUCATION

Dr. Farris
Mr. Carter
Mr. Hembree

Miss Hood
Miss Hughes
Mr. Hughes
Miss White

Mr. McDonough
Mr. Portwood
Mr. Samuels

Health

Dr. Farris
Mr. Carter

Mr. Hembree
Miss Hood
Miss Hughes

Mr. McDonough
Miss White

Health 100. Personal Hygiene. (2 hours.) Women, first semester; men, second semester.

Purpose: This course is designed to teach the student the value of correct living habits.

Topics: Structure and care of the human body; desirable health practices; value of health examinations; the place of health in modern civilization; unscientific and irrational health proposals; disease prevention by immunization; disease control by isolation and quarantine, etc.

Health 101. Public Hygiene. (3 hours.)

Purpose: To study the fundamental principles of public hygiene and disease prevention and applications of these principles in solving problems of Home Sanitation and Public Health.

Topics: Micro-organisms in relation to sanitation, personal and public hygiene, food protection and preservation, the protection of the water and milk supply, immunization and control of communicable diseases, home and school sanitation; social and economic aspects of health problems, health administration, function and authority of health officers, etc.

Health 202. First Aid to the Injured. (1 hour.) Fee, 50c.

Purpose: To prepare the prospective teacher, by demonstration and practice, to treat the emergencies which present themselves in the schoolroom, on the playground, and on the athletic field.

Topics: Bandaging, transportation of injured, artificial respiration, splinting, treatment of shock, injuries in home, wounds, and accident prevention.

Health 231. Home Nursing. (Formerly Home Economics 231.) (2 hours.)

Prerequisite: Health 100 or 101.

Purpose: To enable girls to administer first aid and to teach the home care of the sick.

Topics: Duties of a home nurse; preparation and care of the room for a patient; study of pulse, respiration, etc.; bathing patients in bed; making of beds; simple home-made appliance for the comfort of a patient; special treatment for particular peculiar illnesses; serving of meals to patients; first aid treatments.

Health 303. Applied Bacteriology. (5 hours.) Laboratory fee, \$4.00.

Purpose: This is an introductory course in Bacteriology in which the student is taught the relationship between bacteria and human welfare.

Topics: Stains and staining technique, sterilization, preparation of culture media, isolation and identification of bacteria, efficiency of disinfectants and control of communicable diseases, and determination of the sanitary quality of milk and water. Some pathogens will be introduced for purposes of laboratory study, etc.

Health 304. Microbiology of Foods. (5 hours.) Laboratory fee, \$4.00.

Prerequisite: Health 303.

Purpose: To study control measures for micro-organisms responsible in food spoilage and food poisoning.

Topics: Fermentation, food poisoning, food preservation, canning, pickling, and use of chemicals in food preservation.

Health 362. Individual Gymnastics. (2 hours.) Fee, 50c.

Purpose: Adaptation of exercises to the individual needs of the student.

Topics: Diagnosis and prescription of exercise for deformities of the human body; examination records and equipment; corrective exercises for individuals and groups.

Health 365. Materials and Methods for Teaching Health Education. (2 hours.)

Purpose: A presentation of the general principles which should govern the selection and organization of health materials. Methods for the teaching of health are discussed and observed.

Topics: General objectives of the health program, health setups and practices, and materials suitable for primary and intermediate grades.

Health 460. Health Protection and Instruction in the Secondary School. (2 hours.)

Purpose: A course designed to acquaint the student with existing practices in Health Education.

Topics: Principles, organization and administration of the school health program, and the presentation of materials suitable for use in the junior and senior high schools.

Physical Education

Mr. McDonough
Mr. Hembree

Miss Hood
Miss Hughes

Mr. Hughes
Mr. Portwood
Mr. Samuels

Physical Education 110. Fundamental Physical Education Activities. (1 hour.) Fee, 50c.

Purpose: To cultivate in the individual a desirable attitude toward play in relation to the proper use of leisure time, and to teach activities which will be of value to the teacher in the primary and intermediate grades.

Activities: Section A. Plays, games and story plays.
Section B. (Women) Folk games and rhythms.
(Men) Team games—fundamental skills and tests.

Physical Education 200. Fundamental Physical Education Activities. (1 hour.) Fee, 50c.

Purpose: To cultivate in the student a desirable attitude toward play in relation to the proper use of leisure time.

Activities: Section C. Swimming.
Section D. (Women) Team games—fundamental sport and self-testing activities.
(Men) Self-testing activities—combative activities or rhythms.

Physical Education 250. Scouting and Clubcraft. (3 hours.) (Men.) Fee, 50c.

Purpose: This course is intended for those interested in becoming scoutmasters. Club work is also taken into consideration.

Topics: Study of specific community and recreational programs; history and principles of scouting. Practical scoutcraft and clubcraft is emphasized; scoutmasters' certificate is awarded to all completing the course.

Physical Education 251. Clubcraft. (3 hours.) (Women.) Fee, 50c.

Purpose: This course is offered so as to acquaint the teacher with a background of the theory and practice of club work and recreation in general.

Topics: Girl scouts, girl reserves, camping, fire and woodcraft organizations.

Physical Education 260. Coaching Football and Basketball. (2 hours.) (Men.) Fee, 50c. (Football, first nine weeks; basketball, second nine weeks.)

Purpose: A course offered to give players and prospective coaches a practical and theoretical background.

Topics and Activities: General principles, systems, rules, and officiating equipment and schedules.

Physical Education 265. Coaching Spring Sports. (2 hours.) (Men.) Fee, 50c. (Track and Field, first nine weeks; baseball, second nine weeks.)

Purpose: A course designed to give players and prospective coaches, a practical and theoretical background.

Topics and Activities: General principles, coaching hints, training methods, organization of field days, equipment, and schedules.

Physical Education 275. Clog and Character Dancing. (1 hour.) Fee, 50c.

Purpose: Teaching dances and rhythmic steps of a vigorous nature.

Activities: Stunts, athletic dancing; folk, character and clog steps.

Physical Education 276. (New.) Advanced Clogging. (1 hour.) Fee, 50c.

Prerequisite: Physical Education 275.

Purpose: Teaching dances and rhythmic steps of a vigorous nature.

Activities: Advanced clogs and athletic dances.

Physical Education 300. Folk and National Dancing. (1 hour.) Fee, 50c.

Purpose: To acquaint the student with representative folk and national dances.

Topics: American and English country dances, Morris and sword dances, and other national dances.

Physical Education 366. (Formerly Physical Education 266.) Materials and Methods for Teaching Physical Education. (2 hours.)

Purpose: A course designed for the classroom teacher and for playground leaders.

Topics: Theories of play, study of existing play programs, correlation with other subjects, achievement standards and tests, games skills, lesson planning and observation, and a review of materials and activities suitable for the primary and intermediate grades.

Physical Education 367. (Formerly Physical Education 267.) Physical Training Activities. (2 hours.) Fee, 50c.

Purpose: It is designed for those contemplating leadership in physical education.

Topics: Tactics, dancing, free exercise, hand apparatus, mime-tics and games, and stunts.

Physical Education 368. (Formerly Physical Education 268.) Advanced Physical Training Activities. (2 hours.) Fee, 50c.

Prerequisite: Physical Education 367.

Purpose: Continuation of Physical Education 367.

Topics: Advanced tactics, drills for demonstration, natural exercises, pyramid building, games, opportunity for leadership and observation.

Physical Education 463. (Formerly Physical Education 363.) History and Principles of Physical Education. (3 hours.)

Purpose: This course seeks to establish the place of physical education and to indicate its indispensable character in modern life.

Topics: History of Physical Education, sources and data of principles, aims and objectives, psychology of Physical Education, and standards and tests.

Physical Education 468. (Formerly Physical Education 368.) Administration and Organization of Physical Education. (2 hours.)

Prerequisites: Physical Education 366, 367, 368.

Purpose: This course is designed for minors and majors in health and physical education, and deals with mediums through which activity may be organized in junior and senior high schools.

Topics: Intramurals, sport days, festivals, and community play days; incentives; point systems; grading, awards, standards, etc.; tests and measurements; care of gymnasium and equipment; activities suitable for junior and senior high school pupils.

DIVISION OF LANGUAGES

Mr. Clark
Mrs. Barnhill

Miss Buchanan
Mr. Keene

Mrs. Murbach
Miss Rush

English

Mr. Clark

Miss Buchanan
Mrs. Barnhill

Mr. Keene

English 101. Oral and Written Composition. (3 hours.)

Purpose: To insure the learning and habitual practice of mechanical correctness of language in all ordinary speech and writing situations, and to develop student ability of self-criticism in matters of such correctness.

Topics: Recognition drills on parts of speech, inflected forms, phrases, clauses, the whole sentence; construction and syntax of chief inflected forms; sentence analysis; sentence construction; sentence variety; subordination; punctuation; dictionary study of accent and diacritical marks; spelling drills in most commonly misspelled words; paragraph writing; laboratory theme writing exercises; additional drills on all common types of mechanical language errors; brief narrative and expository talks on subjects within personal observation and experiences.

English 102. Oral and Written Composition. (3 hours.)

Prerequisite: English 101.

Purpose: To help the student in the matter of clear thinking and effective use of language.

Topics: The evaluation of what we see and hear; accuracy of observation and statement; the clarifying of our thoughts and impressions; the selection and use of materials; the planning and construction of many oral and written themes.

English 163. Fundamentals of Speech. (3 hours.)

Prerequisite: English 101.

Purpose: To enable teachers to acquire for themselves attractive voices and pleasing speech habits for reading and speaking, and to equip them for developing these qualities in their pupils.

Topics: Corrective drill work for posture and movement; the applied science of voice production; characteristics of a pleasing voice; individual diagnosis of voice qualities; tone-placing; enunciation; pronunciation; pitch, stress, and volume. The course affords much practice in individual speaking and reading under careful, constructive criticism.

English 201. Journalism. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach the student how to read and judge a newspaper; to familiarize him with the best current newspapers, their policies, and their methods; to give instruction in the kinds and methods of journalistic writing and practice in writing; to show him how to make up a paper, write headlines, and prepare manuscript; to give some training in managing and advising school publications; to edit a paper.

Topics: Comparison of many newspapers as to amount and kind of news, make-up, size, type, headlines, advertising, tone, etc.; kinds and methods of journalistic writing and practice in each; headlines; make-up; copy, proof reading; organization of staff.

English 211. English Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To bring within student experience the content of selected English literature from Beowulf to Robert Burns, considered against the background of English life, tradition, and history; and to give some guidance in the selecting of suitable material from this field for the upper grades and high school.

Topics: Historical summary of the origins of the English people and traditions; pagan and Christian Anglo-Saxon writings and folklore; Celtic elements; French influence and literature of chivalry; Chaucers England; the Renaissance; the spirit of Elizabethan England; Puritan influences; eighteenth century formalism; development of prose; beginnings of journalism; the rise of the novel; Johnson and his contemporaries; the dawn of Romanticism; the nature of literature; values in literature; English poetics.

English 212. English Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To familiarize the student with the England of the nineteenth and twentieth centuries, and with the movements influences, leading forms, writers, and contents of the best literature of these centuries; to set up some criteria for judging literature; to instill an appreciation for the best; to give some guidance in selecting from this field appropriate material for study in the upper grades and high school.

Topics: The Romantic period, characteristics, influences, writers, literature as to form, method, and content; mid and post-Victorian period—characteristics, influences, writers, literature as to form, method, and content; modern tendencies in English literature as to leading forms, methods, and content; values in literature; English poetics.

English 213. American Literature. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To acquaint student with American life and thought as reflected in the best representative American writers, considered in relation to environmental influences and prevailing literary tendencies from pioneer to recent times; to develop some degree of literary discrimination; to help students select suitable material from this field for the upper grades and high school.

Topics: The pioneer spirit in religious, historical and journalistic writings; literature of the Revolution; statesmanship of the new nation; nineteenth century Romanticism; Transcendentalism; disunion and reunion; growth of a realistic spirit; literature of local color; contemporary literature of realism and revolt; such readings in literary history and biography as may be helpful in an understanding of the literature studied; values and elements of appeal for the upper grades and high school.

English 231. Public Speaking. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To train students for effective participation in the normal speaking situations.

Topics: Physiological basis of voice and corrective voice drills; source and organization of speech materials; objectives and audience considerations; practice in preparation and delivery of speeches for various occasions, purposes and audiences; speech criticism; parliamentary procedure with participation drills.

English 261. Literature for Primary Grades. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To pursue a somewhat systematic study of children's literature in order that the primary teacher may know and appreciate the best in this particular field.

To give the student a rich background from a rather wide reading of children's books in order that she may be capable of guiding children's reading.

Topics: The course includes a brief survey of the history of children's literature and a study of the literature itself under the following topics: Mother Goose, Fairy Tales, Folklore and Fables, Realistic and Fanciful stories, and children's poetry. Picture books and modern illustrators of children's books will also be studied. Methods of teaching literature in the primary grades are incidentally touched upon.

English 264. Story Telling. (2 hours.)

Prerequisite: English 261.

Purpose: To acquaint the teacher with the materials for story telling, and with the techniques to be used in different grades and with different audiences.

Topics: History of story telling; purpose and aim of story telling; the story interests of childhood; preparing the story; telling the

story; condensing and expanding the story; dramatizing the story; uses of the story in school room subjects; technique suitable to various ages and types of children; technique required for adults. A considerable stock of stories of a wide range of appeal is mastered. Much practice is given the actual telling of stories to children. Constructive analysis of each student's performance is afforded.

English 265. (Formerly English 165.) Grammar for Teachers. (2 hours.)

Prerequisites: English 101 and 102.

Purpose: To review the principles of English grammar and acquaint the teacher with some of the problems connected with the teaching of grammar.

Topics: In the course are studied the parts of speech, syntax, and sentence analysis. The history of the teaching of grammar, and methods of testing and measuring progress are also touched upon.

English 266. Literature for the Intermediate Grades. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To offer the students opportunity for making a wide acquaintance with books for children of the intermediate grades so that they may share more fully with the children the pleasures of good reading.

Topics: This course includes extensive reading of the following types of children's literature: myths, epics and sagas, the romance cycles, poetry, fiction, biography, historical and geographical literature. The study will be sufficiently detailed to give a good basis for the appreciation, selection, and presentation of the best and most suitable material for the intermediate grades.

English 301. Advanced Composition. (3 hours.) Required of juniors and seniors who have less than six hours of freshman English, and of English majors and first minors.

Purpose: To give the teacher practice in collecting, organizing, and presenting material in an effective written form; to encourage creative writing.

Topics: Practice is given in writing reports, recommendations, research papers, familiar essays, short stories, feature articles, or other forms of journalistic writing. Students are urged to write with a view to submitting their articles to suitable periodicals for publication. Some attention is given to the materials for high school composition.

English 305. (Formerly English 205.) Argumentation. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To teach how to recognize, build, and present sound argument; to show the relation of persuasion to argument.

Topics: This course takes up analysis, evidence and proof, kinds of argument; fallacies, brief-drawing, platform technique, reports on lectures, political speeches, etc., and the writing of a forensic.

English 311. Shakespeare. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To give the student a knowledge of the technique and content of Shakespeare's dramas, and a knowledge of Shakespeare's English and of his contemporaries, to consider certain of his dramas with reference to their place in high school English.

Topics: The course includes an extensive reading of Shakespeare's dramas and an intensive study of the technique, sources, and content of a few; a discussion of the Elizabethan theater, the Elizabethan people, Elizabethan dramatics, movements, and events which influenced Elizabethan thought; the development of drama to the death of Shakespeare; elements of appeal to high school pupils.

English 314. The Novel. (3 hours.) Alternates with English 316.

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with some of the choicest fiction of England and America, to interest him in that of other countries, and to raise the level of his taste in novels.

Topics: The development of the novel in England and America; the distinction between the romance and the psychological novel, and the place of each in our reading; some characteristics of harmful and worthless fiction; some tendencies of present-day novelists.

English 315. (Formerly English 215.) Nineteenth Century Essayists. (2 hours.) Alternates with English 412.

Prerequisites: Freshman English and one survey course.

Purpose: To familiarize the teacher with the work of the great essayists of the nineteenth century, and to show how varied was the thought for which the essay was the vehicle of expression.

Topics: This course includes a study of representative essays of the leading English and American essayists of the nineteenth century, with attention on the types of essays, and the literary, social, political, and religious or moral ideals set forth in the essays; and analysis of the prose style of some of the essayists; oral and written reports.

English 316. (Formerly English 216.) The Short Story. (2 hours.) Alternates with English 314.

Prerequisites: Freshman English and one survey course.

Purpose: To study and compare many types of stories and methods of construction; to study the development of the American short story from Irving to the present day; to acquaint the student with the best writers of stories and the best stories; to set up some criteria for judging a short story.

Topics: The technique of the short story; the development of the American short story; comparison of types and methods of the short story; romanticism and realism in stories; extensive reading of stories both foreign and American; the writing of a story or of a paper; short stories for high school.

English 317. (Formerly English 217.) Contemporary Literature. (2 hours.)

Prerequisites: Freshman English and at least one survey course.

Purpose: The purpose of this course is to acquaint the student with the literary tendencies of the last decade and to foster a discriminating attitude toward current literature.

Topics: New names, new influences, and new trends, and the relation of these to former periods in the development of literature; the relative importance of old and new books; the proper emphasis upon literature of escape and that of self-realization; the evaluation of current literature; advantages and limitations of book-reviews and commercial organizations designed to assist in the selection of new books; the place of newspapers and magazines in our reading during leisure hours. The reading for this course is extensive rather than intensive and is not confined to the literature of any one type nor of any one nation.

English 321. Romantic and Victorian Poets. (3 hours.)

Prerequisites: Freshman English and one survey course.

Purpose: To trace the development and culmination of the Romantic Movement and present the various elements that compose it; to familiarize the student with the main characteristics of Victorianism as revealed in its leading poets; to help the student interpret the spirit of these periods through their poetry.

Topics: The rise of Romanticism; Wordsworth and Coleridge; Scott and Southey and Byron; Shelley and Keats; social, religious, industrial and intellectual unrest; the Oxford Movement; the Pre-Raphaelite Brotherhood; Tennyson; the Brownings; Arnold and religious unrest; Swineburne, Morris, and the Rossettis.

English 362. (Formerly English 262.) Play Production. (3 hours.)

Prerequisites: English 101 and 102.

Purpose: To prepare the student to produce plays in school and community organizations.

Topics: Organization and duties of the producing staff; costuming and make-up; theory of scenery construction; use of color on stage; lighting equipment; choosing plays and casts; rehearsing; collateral reading in the theory of play coaching and in plays suitable for amateur production. Wherever possible, practical work in public presentations will be afforded.

English 412. (Formerly 312.) Contemporary Drama. (3 hours.)

Alternates with English 315.

Prerequisites: Freshman English and one survey course.

Purpose: To acquaint the student with modern tendencies in drama; to give him a knowledge of movements and influences which have combined to make our drama what it is today; to familiarize him with the best modern drama and dramatists of all countries; to help him establish some criteria for judging drama.

Topics: This course includes an extensive reading of modern dramas of all nations; a discussion of the development of drama from Ibsen to the present day; a modern technique in drama; of realism, naturalism, and romanticism in drama; of the problems treated in modern dramas; of the Irish movement and the Little Theater; and of the national and individual characteristics of dramatists; suitable plays for study in the high school.

English 413. (Formerly English 313.) World Literature. (3 hours.)

Prerequisites: Freshman English and two courses in literature.

Purpose: To give the student some conception of the continuity of literature from ancient to modern times and to acquaint him with some of the masterpieces of literature of different nations.

Topics: Ideals and view of life in ancient Hebrew sacred literature, Greek epic and tragedy, Roman comedy, Teutonic mythology and sage, romance, Dante to Renaissance, Voltaire, Rousseau, Goethe's Faust; modern European criticism.

English 423. (Formerly English 323.) Milton. (2 hours.)

Alternates with English 424.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the poetic genius, philosophy, and ideals of Milton, and to present the whole body of his poetry.

Topics: The course includes a study of the life of Milton as it affected his writing; his earlier poetry; the development of his genius; the great epic Paradise Lost and its interpretation; Paradise Regained and Samson Agonistes.

English 424. (Formerly English 324.) Medieval Story. (2 hours.)

Alternates with English 423.

Prerequisites: Freshman English and two courses in literature.

Purpose: To acquaint the student with the rich field of narrative literature of the Middle Ages, and to show how much of this literature is illustrated in the poetry of Chaucer.

Topics: The course consists chiefly of a study of the various types of medieval story—the folk-epic, the beast tale, the metrical romance, the fabliau, the saint's legend, and the ballad; social and moral ideals which they reveal.

English 435. (Formerly English 335.) Interpretative Reading. (3 hours.)

Prerequisites: Nine hours of English, including English 163 or its equivalent.

Purpose: To enable teachers to interpret literature in classroom and platform reading, and to prepare them to train their pupils in interpretative reading.

Topics: Types of interpretation; gesture; pantomime; resonance; flexibility range; study of enunciation and pronunciation continued; sources of materials; criteria for selecting readings, for preparing contestants and readers, and for judging contests. Much individual work under careful direction is afforded.

English 441. (Formerly English 341). History of the English Language. (2 hours.)

Prerequisites: Two years of work in English toward a major or first minor in English.

Purpose: To acquaint the student with the way the English language developed.

Topics: The family of languages; the Old English period; the Middle English period; modern English; the foreign and native elements in English; history of English vowel sounds; mutation and gradation; the consonants; English inflections; English accent; collateral readings in the less technical works on the English language.

English 461. (Formerly English 361.) Kentucky Literature (2 hours.)

Prerequisites: English 101, 102, one survey course.

Purpose: To acquaint the student with the literature produced by Kentucky writers; to relate this literature to American literature in general.

Topics: The economic, political, social, and religious background of the early Kentuckians as expressed in their writings; antebellum literature, the influence of the War between the States; the rise of the local color fiction group; the revival of poetry; present day writers and tendencies; ballads; seventeenth century survivals in the native idiom.

An opportunity will be offered to familiarize the student with the John Wilson Townsend Collection.

French

Mrs. Murbach

French 101. (Formerly French 151.) Elementary French. (3 hours.)

Purposes: To begin the study of the structure of one of the great living languages and to arouse interest in French literature by the early reading of excerpts from the French classics.

Topics: Phonetics, pronunciation, vocabulary, parts of speech, sentence structure, conversation in French on material studied in a reader.

French 102. (Formerly French 152.) Elementary French. (3 hours.)

Prerequisite: French 101 or one unit of high school French.

Purpose: To continue the study begun in French 101.

Topics: Continuation of the study of grammar begun in French 101, two hundred pages of reading material serving as basis for oral work.

French 201. (Formerly French 251.) Intermediate French. (3 hours.)

Prerequisites: French 101 and 102 or two units of high school French.

Purpose: To increase skill in translating and writing French and in comprehending and using the spoken French.

Topics: Grammar review, short history of French literature, and translation of news items in a French newspaper.

French 202. (Formerly French 252.) Intermediate French. (3 hours.)

Prerequisite: French 201 or three units of high school French.

Purpose: To continue the study begun in French 201.

Topics: Grammar review, French newspaper, and three French classics.

French 203. (Formerly Foreign Language 253.) French Civilization. (2 hours.)

Purpose: This course is designed to give the student an insight into French thought by review of the social conditions from which it has evolved. It is conducted entirely in English.

Topics: Lectures and assigned readings on French history, politics, art, literature and music.

French 301. (Formerly French 254.) French Prose Classics. (3 hours.)

Prerequisite: Two years of college French or the equivalent.

Purposes: To develop power to read French rapidly, to increase facility in the use of spoken French, and to add to the student's knowledge of French literature.

Topics: "Intensive" reading of a number of French prose classics with emphasis on the language structure, and "extensive" reading of works by representative prose writers from the Middle Ages to the nineteenth century.

French 302. (Formerly French 255.) French Prose Classics. (3 hours.)

Prerequisite: French 301 or its equivalent.

Purpose: To continue the study begun in French 301.

Topics: Study of selected prose works of the nineteenth and twentieth centuries.

French 401. French Drama and Poetry. (3 hours.)

(Not offered in 1934-35.)

Prerequisite: Two years of college French or its equivalent.

Purposes: To follow the rich stream of French drama and poetry from the Middle Ages to the nineteenth century, and to develop the student's capacity to express his opinions in French on the works which he is studying.

Topics: The medieval period, the Renaissance, the Golden Age, the critical eighteenth century.

French 402. French Drama and Poetry. (3 hours.)

Not offered in 1934-35.)

Prerequisite: French 401, or its equivalent.

Purpose: To continue the study begun in French 401.

Topics: Romanticism, realism, the Parnassus school, symbolism, and contemporary tendencies in poetry and drama.

Latin

Miss Rush

Latin 115. Elementary Latin. (3 hours).

Not open to students who presented Latin for college entrance.

Purpose: This course is organized to meet the need of those students who have had no Latin in high school and wish to begin the study of it in college that they may acquaint themselves with the mechanics of Latin to: (a) satisfy the language requirement for (1) a degree, (2) a major in English, (3) a major in Foreign Language; (b) satisfy pre-medical or other pre-professional requirements; (c) begin a study of the language for its general cultural value.

Topics: (a) Pronunciation; declension of nouns, adjectives and pronouns; indicative and infinitives of all conjugations with the simple uses of the subjunctive; (b) acquisition of the fundamental principles of the language and the ability to read simple Latin prose dealing with Roman home life, mythology and Roman history.

Latin 116. Elementary Latin. (3 hours.)

Purpose: This course is a continuation of Latin 101.

Prerequisite: One unit of high school Latin or Latin 101.

Topics: (a) Selections read in Latin are from Caesar and a wide range of authors of equal difficulties, with a continued emphasis

on mastery of vocabulary, inflection, syntax, and their application to English; (b) collateral reading on Roman history and society; (c) training in the understanding of Latin in the Latin order.

Latin 205. Elementary Latin. (The Aeneid of Vergil.) (3 hours.)

Prerequisites: Open to students presenting two or three units of Latin for entrance or to those who have completed Latin 101 and 102.

Purposes: (a) To introduce the student to Latin poetry; (b) to give continued practice in the reading and translation of Latin; (c) to develop an appreciation for Vergil's place in Latin literature; the Aeneid, its story, its dramatic setting and background; its influence on later, and especially, English literature; its historical and mythological references.

Topics: (a) Selections from the twelve books of the Aeneid of Vergil; (b) selections from other works of Vergil for comparative study; (c) study of Augustan age; (d) study of metrical form and structure of the poem, scansion and reading of dactylic hexameter; (d) study of some of allusions in English literature to Vergil's Aeneid; along with this work, there is a thorough grounding of the student in the inflections and constructions of Latin.

Latin 301. (Formerly Latin 104.) Selections from Livy. (3 hours.)

Prerequisite: Three units of high school Latin or the equivalent.

Purposes: (a) To develop the power of rapid translation for information; (b) to gain first hand acquaintance with the source books of Roman history; (c) to acquire correct pronunciation and habit of reading the original Latin text.

Topics: (a) Survey of Roman history from foundation of Rome to close of second Punic War as related to Livy's History Books, I, XXI, and XXII; (b) assigned readings from such historians as Mommson, Heitland and others; (c) cursory examination of Livy's source material; (d) comparative study of Rome and Carthage; (e) critical study of Livy's style.

Latin 302. (Formerly Latin 108.) Selections from Horace. (3 hours.)

Prerequisite: Three units of high school Latin, or the equivalent.

Purposes: (a) To afford the student a comparative view of the Augustan Age, the most brilliant period of Latin literature; (b) to develop appreciation for the metrical perfection of Horace and his contemporaries; (c) to emphasize as in Latin 301 the value of reading from the Latin text, both for metrical values and pronunciation habits.

Topics: (a) Selected Odes, Epodes and Satires of Horace; (b) selections from Catullus for comparative study; (c) study of Augustan Age, both from a literary point of view and political; (d) study of Horace's personality, point of view and philosophy of life; (e) comparison between the Rome of Horace and the city of today; (f) study

of various metres employed by Horace, with special attention to the Greek examples; (g) study of translation for poetic appreciation, with study of English translations of Horace's poems.

Latin 401. (Formerly Latin 201.) Latin Prose of the Silver Age. (3 hours.)

Prerequisite: Latin 304, or the equivalent.

Purposes: (a) A continuation of study of Latin literature; (b) translation for information; (c) to supply the student first hand information of this age of Roman life and letters.

Topics: (a) Letters of Pliny the Younger; (b) Tacitus' *Agricola*; (c) selected readings from other representative writers.

Latin 402. (Formerly Latin 202.) Satire and Epigram. (3 hours.)

Prerequisite: Latin 304 or the equivalent.

Purposes: (a) To develop power to read Latin for content; (b) to develop literary appreciation; (c) to show the student Roman society of the first century, A. D., through contemporary eyes.

Topics: (a) Selected Satires of Juvenal; (b) selected epigrams of Martial; (c) study of development of satire in Latin literature with assignments from Horace; (d) study of satire in English; (e) study of epigram as a literary expression.

Latin 403. (Formerly Latin 203.) Latin Literature of the Early Empire. (3 hours.)

Prerequisite: Latin 304, or the equivalent.

Purposes: To introduce student into the literature of this, the most brilliant period of Latin literature.

Topics: The Oxford University Press text—selections compiled by A. C. B. Brown. The selections form a connected and contemporaneous discussion of the following subjects: politics, education, literature, philosophy, social types, and town and country life.

DIVISION OF MATHEMATICS

Mr. Park

Mr. Caldwell
Miss Derrick

Mr. Engle

Mathematics 107. College Algebra. (3 hours.)

Purpose: To give thorough and comprehensive instruction in the principles of college algebra.

Topics: Review of high school algebra, radicals, quadratics, functions and their graphs, advanced topics in quadratic equations, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

Mathematics 113. (Formerly Mathematics 213.) Trigonometry. (3 hours.)

Purpose: To give instruction in the fundamentals of plane trigonometry.

Topics: Functions of acute angles, natural functions, logarithms, solutions of right and oblique triangles, development of formulas, functions in the unit circle.

Mathematics 160. 'Teachers' Arithmetic. (3 hours.)

Purpose: The aim of this course is to give the student a wide knowledge of the objectives, problems, and methods of teaching arithmetic in the elementary school.

Topics: Aims and objectives of arithmetic, value of problems, assignments, examinations, importance of accuracy and speed, value of drill, games, solution of problems and methods of teaching arithmetic.

Mathematics 207. (Formerly Mathematics 108.) College Algebra. (2 hours.)

Prerequisite: Mathematics 107.

Purpose: To give instruction in the advanced topics of college algebra.

Topics: This course includes a study of complex numbers, theory of equations, permutations and combinations, probability, determinants and partial fractions.

Mathematics 232. Analytic Geometry. (5 hours.)

Prerequisites: Mathematics 107 and 113.

Purpose: To give instruction in the principles and applications of analytic geometry.

Topics: This course deals with problems, formulas and exercises relating to straight line, circle, parabola, ellipse, and hyperbola. Attention is also given to polar co-ordinates.

Mathematics 321. (Formerly Mathematics 221.) General Astronomy. (3 hours.)

Purpose: To give the student a knowledge and appreciation of the history, principles, importance, and content of astronomy.

Topics: This course includes a study of the development of astronomy as a science, the development of the solar system, astronomical instruments, and the better known facts of astronomy.

Mathematics 341. (Formerly Mathematics 241.) Elementary Statistical Methods. (2 hours.)

Purposes: (a) To acquaint the student with the theory and application of statistical methods to actual problems. (b) To familiarize the student with the use of the graphical methods.

Topics: This course includes a study of the methods of collecting data, methods of tabulation of data, uses and purposes of statistical methods, central tendencies, deviations, correlations, theory of probability, and graphic methods.

Mathematics 351. (Formerly Mathematics 251.) Differential Calculus. (5 hours.)

Prerequisites: Mathematics 107, 113 and 232.

Purpose: To teach the fundamental principles, problems and practical applications of differential calculus.

Topics: Theory of limits, differentiation, simple application of the derivative, maxima and minima, differentials, partial differentiation and series.

Mathematics 352. Integral Calculus. (3 hours.)

Prerequisite: Mathematics 351.

Purpose: To teach the foundation principles, problems and applications of integral calculus.

Content: This course includes a study of integrations, definite integrals, integration of rational fractions, reduction formulas and successive integration.

Mathematics 407. (Formerly Mathematics 307.) Theory of Equations. (3 hours.)

Prerequisites: Mathematics 107, 113, 207.

Purpose: To acquaint the student with theory of algebraic equations.

Topics: This course includes a study of graphs, complex numbers, cubic equations, quartic equations, determinants, and symmetric functions.

Mathematics 453. (Formerly Mathematics 353.) Differential Equations. (3 hours.)

Prerequisite: Mathematics 352.

Purpose: To acquaint the student with the methods of solving the most common types of differential equations.

Topics: The types studied are those of the first and second order, systems of simultaneous equations, and partial differential equations.

Mathematics 467. (Formerly Mathematics 367.) Teaching of High School Mathematics. (3 hours.)

Prerequisite: Ten hours of college mathematics or consent of Head of the Department.

Purposes: (a) To give instruction in the aims and importance of high school mathematics; (b) to give the student a knowledge of the development of mathematics and its place in the secondary school; (c) to give instruction in the best methods of teaching high school mathematics.

Topics: Aims of high school mathematics; importance of high school mathematics; brief history of mathematics; problems of teaching applied to mathematics; methods of teaching algebra, geometry, trigonometry, and high school arithmetic; selection of problems; types of examinations and their importance; class instruction as applied to mathematics; importance of assignment and methods of study.

DIVISION OF SOCIAL SCIENCES

Mr. Keith
Mr. Adams
Mr. Burns

Mr. Dorris
Miss Floyd
Mr. Kennamer

Miss McKinney
Mr. Moore

Economics

Mr. Moore

Economics 124. Economic History of Europe. (3 hours.)

Purpose: To familiarize the student with the evolution of the economic activities of the leading nations of Europe. Emphasis is placed upon modern times, but the medieval period is not neglected.

Topics: The history of the development of agriculture, commerce, transportation, industry, labor legislation, socialism, social insurance, population and population trends, and finance by the principal European nations.

Economics 230. (Formerly Economics 125.) Principles of Economics. (3 hours.)

Purpose: To acquaint the student with the principles of economic theory and to give him an understanding of some of the outstanding industries of the United States.

Topics: The nature and function of industry, the science of economics, wealth, capital, income, specialization, exchange, agents of production, risk, price levels, business cycles, international trade, value, and important industries of the United States.

Economics 231. Principles of Economics. (3 hours.)

Prerequisite: Economics 230.

Purpose: To acquaint the student with the principles of economic theory, to introduce the student to some of the elementary problems of applied economics, and to familiarize him with some of the outstanding industries of the United States.

Topics: Economic science and its application, consumption and the guidance of industry, wastes in production, unemployment and other forms of idle power, the integration of industry, efficiency in management, industrial unrest and conflict, industrial peace, profit-sharing and joint control in industry, problems of population, efficiency in marketing, the price system and its control, regulation of public utility rates, control of banking in the United States, stabilizing our monetary system, business cycles and their control, free trade and protection, international debts and economic imperialism, the relation between government and industry, government regulation

and ownership, financing the government, the revenue system of the United States, the problem of inequality, agricultural problems, types of economic organization, and important industries of the United States.

Economics 310. (Formerly Economics 210 and 321.) American Economic History. (3 hours.)

Purpose: To give the student an understanding of the economic development of the United States.

Topics: The history from the beginning to the present of the development in the United States of commerce, industry, transportation, banking, labor problems, business organization, monetary problems and agriculture.

Economics 324. (Formerly Economics 224.) Money and Banking. (3 hours.)

Prerequisite: Economics 230.

Purpose: To acquaint the student with the elementary principles and theory of money, and with the theories and practices of banking.

Topics: Nature and functions of money, kinds of money, monetary systems, history of banking, functions of the bank, bank administration, the national banking system, deposits and depositors, the clearing house, domestic and foreign exchange, loans and discounts, bank supervision, savings banks, trust companies, foreign banking systems, and the federal reserve system.

Economics 430. (Formerly Economics 330.) Public Finance. (3 hours.)

Prerequisite: Commerce 230.

Purpose: To give the student an understanding and appreciation of the scope and importance of public finance in the operation of modern governments.

Topics: The meaning and scope of public finance; development of public finance; public expenditures, their classification, growth, and economic effects; public credit, its nature and uses, its forms; financial administration and legislation; the forms of public revenue, the public domain, the industrial domain, administrative revenues, and taxation—its meaning and development, some of the requisites of a sound system, the distribution of the tax burden, means of escape from taxation, the general property tax, modified property tax, taxes on corporations, consumption and other excise taxes, taxes on incomes, and estate and inheritance taxes.

Geography

Mr. Kennamer

Miss McKinney

Geography 101. Principles of Geography. (3 hours.) Fee, \$1.00.

Purposes: (a) To acquaint the student with the tools necessary in geography work, (b) to help the student acquire a geographic vocabulary, (c) to give the student a working knowledge of the basic principles underlying the science of geography.

Topics: The use of maps, globes, tellurians and atlases; the use and interpretation of charts, diagrams and statistics; a brief history of the changing aspects of geography; the nature of human geography; the earth's form and movements, their results and influences upon man; the continents and their influences upon man; human activities in mountains and plains; the influence of the oceans on man; the use of inland waters, man's relation to soil and minerals; man and vegetation in different types of climatic regions; the effects of population density upon standards of living; distribution of the population of the earth.

Geography 202. Climatology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to provide an interpretation of weather conditions and processes, (b) to interpret climatic data and charts, (c) to note the various climatic elements—their distribution and their variations, (d) to study the common climatic types of the world on a regional basis, and (e) to emphasize the human responses to weather and climate.

Topics: Weather and weather observation; elements of climate; climatic regions of the world; a study of climate as affected by the physical factors of sun, mountains, land and water; changes in temperature, pressure, winds—direction and force; humidity; cloud phenomena, precipitation, and the major types of storms; forecastings; the climatic regions of the world; weather conditions and their relation to human activities.

Geography 221. (Formerly Geography 121.) Economic Geography of the Industries. (3 hours.)

Purpose: (a) To give the student a view of the business field, (b) to acquaint the student with the major industries of the world and the principal factors influencing domestic and international trade, (c) to give the student a background for study in international relations and world problems.

Topics: The more important agricultural products, cereals, starch foods, forage crops, vegetable crops, fruit crops, wine industries, sugar, vegetable oils, condiments and tobacco, vegetable fibers, non-food vegetables; the animal food stuffs, animal fibers, furs, skins; the mining industries; manufactures; aluminum, automobile, copper, chemicals, textiles, leather, iron and steel, paint, petroleum, rubber,

etc.; trade routes, inland in North America and international trade routes; world trade centers.

Geography 271. Geography of North America. (3 hours.)

Prerequisite: Geography 101.

Purpose: An intensive study of English America, designed (a) to give the students a knowledge of the regional geography of the English speaking countries of North America; (b) to acquaint the student with the place geography of the continent necessary to intelligent reading of newspapers and magazines; (c) to give the student an appreciation of the geographic resources, possibilities and handicaps of the three countries studied.

Topics: The United States as a national unit; the geographic regions of the United States as the Upper Lake Region; the Driftless Area, the Atlantic Coastal Plain, the Piedmont, the Interior Highlands, the Puget Sound Trough; the geographic regions of Canada, as the Great Lakes-St. Lawrence Region, the Prairie Plains and Arctic Meadows, the Pacific Mountain Region; Alaska.

Geography 301. (Formerly Geography 201.) Physical Geography and Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is designed (a) to give the student a knowledge of the land forms, their origin and history, their changes, and their influence on man, (b) to teach the use of geologic and topographic maps, and (c) to teach the student to interpret present-day environment.

Topics: Materials of the earth; weathering; work of wind; work of ground water; work of streams; work of glaciers; the ocean and its work; the structure of the earth; earthquakes; volcanoes and igneous intrusions; metamorphism; mountains and plateaus; ore deposits; soils, their classification and origin major physiographic features, their origin and influence on man.

Geography 305. (Formerly Geography 205.) Economic and Historical Geology. (3 hours.) Laboratory fee, \$3.00.

Purpose: This course is planned (a) to familiarize the student with the earth's history as revealed in its rocks; (b) to teach him to correlate the lessons of maps and the rocks.

Topics: The origin of the earth; genesis of ore deposits; evolution of plants and animals; origin of mountains; history and growth of continents; the earth's interior; formation and recognition of common rocks and minerals; architecture of the earth; geologic time table; the geologic eras; the growth of knowledge of the earth; man's place in nature; geology in the service of man applied to industry, and to the larger affairs of men; economic and geologic features of minerals.

Geography 372. (Formerly Geography 272.) Geography of Europe. (3 hours.)

Prerequisite: Geography 101.

Purpose: (a) To make the student thoroughly familiar with the map and political geography of the present European countries; (b) to give the student an appreciation of the geographic handicaps and advantages of the various European countries; (c) to make the student familiar with the important place geography of Europe.

Topics: (a) The general geographic setting of Europe as a whole; (b) the physiographic climate, economic, and political geography of each of the major countries; (c) European trade and commerce; (d) the geographic advantages and handicaps of the various European countries that have resulted from the changes in boundaries that followed the World War.

Geography 373. (Formerly Geography 273.) Geography of Latin America. (3 hours.)

Prerequisite: Geography 101.

Purpose: The purpose of this course is to give the student an acquaintance with the geography of Mexico, Central America, West Indies and South America that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: International importance of Latin America; growing interest of the United States in Latin America; historical geography of discovery, settlement and development; Caribbean resources; the Panama Canal; South America in world trade; population distribution; transportation facilities; climatic and physiographic regions; economic geography of the Pampas, the Amazon Basin, Central Mexican Plateau; the Llanos, Andean Highlands.

Geography 374. (Formerly Geography 274.) Geography of Asia. (3 hours.)

Prerequisite: Geography 101.

Purpose: This course is designed to give the student an acquaintance with the geography of all the countries and regions of Asia that will enable him to understand the economic development of each and to follow intelligently the trend of political events within them.

Topics: The structure of Asia; the geography of Asia; the climates of Asia; the vegetation of Asia; the population of Asia; the exploration and exploitation of Asiatic countries by European nations; Asia's position in the world; the agricultural resources of Asia; summary of the economic resources of Asia; Turkey—the threshold of Asia; Arab Asia; the Iranian Plateau; the Indian Empire; Ceylon; Southeastern Asia; the East Indies; China; the Dead Heart of Asia; Japanese Empire; Asiatic Russia; growing interest of the United States in Asia; the geographic advantages and disadvantages.

Geography 448. (Formerly Geography 348.) Historical Geography. (3 hours.)

Prerequisites: Six hours of history and six hours of geography.

Purpose: To show the underlying geographic factors in ancient and modern civilization.

Topics: (1) Geographic influences in ancient Egyptian, Mesopotamian, Greek and Roman civilizations, (2) the geography of Europe in the development of the nations of medieval and modern Europe, (3) the geographic background of the culture of the Aztecs, Incas, and North American Indians, (4) the historical geography of the United States, the expansion of the American people, American expansion in the Pacific, the Gulf and Caribbean regions, immigration, growth of cities, geography and the future of the United States.

Geography 461. (Formerly Geography 261 and 361.) Materials and Problems in the Teaching of Geography. (2 hours.)

Prerequisite: Six hours of geography.

Purpose: (a) To acquaint the student with the objectives of geography teaching; (b) to acquaint the student with the best materials for this type of work; (c) to give instruction in the best methods of teaching geography in the elementary and junior high schools.

Topics: Objectives in the teaching of geography, evolution and technique of visual aids; standard equipment for geography teaching; presentation of textual materials; the purpose and conduct of local field studies; comparative study of recent courses and texts in geography.

Geography 471. (Formerly Geography 371.) Geography of World Problems. (3 hours.)

Prerequisite: Six hours of geography.

Purpose: The purpose of this course is to study the geographic, economic and historic factors affecting current international problems and to gain thereby the cultural values of world citizenship through an interest in, and knowledge of, world affairs.

Topics: Geography and the evolution of nations; the expansion of Europe; European influence in world affairs; economic resources; the British Empire and its many problems—India, Egypt, Ireland, South Africa; Geography and problems of major nations of the Orient; Islamism; Russia, past and present; Europe in Africa; the problems of the Far East.

Geography 474. (Formerly Geography 374.) Geography and Geology of Kentucky. (2 hours.) Fee, \$1.00.

Purpose: The purpose of this course is (a) to familiarize the student with the geologic history and structure of Kentucky; (b) the various regional, physical and cultural landscapes of the state; (c) the wide range of physical influences which make up the geographic

environment, and (d) the many responses man has made or could make in making a living in the State.

Topics: The Kentucky country; geology; surface and drainage; weather and climate; native vegetation; native animals; native people; the coming of the white man; the soil and its conservation; agriculture; animal industries; mineral resources; manufacturing; transportation; location and growth of cities; Louisville and the cities of the Ohio Basin; other cities; the counties of Kentucky cultural features of Kentucky—government, education; Kentucky of the future.

Geography 477. (Formerly Geography 377.) Conservation of Natural Resources. (3 hours.)

Purpose: A course of practical value to all citizens and particularly to teachers of future citizens in that it emphasizes thrift and the wise use of all natural resources, and condemns waste.

Topics: History of the conservation movement; the forest resources; soil depletion and restoration; the land resources; the fertilizer resources; water origin and supply; water power; irrigation and reclamation; navigation; the mineral resources; the mineral fuel, coal, petroleum, natural gas; the metallic resources, iron, copper, lead, gold, zinc, aluminum, silver, uranium and radium; the human resources; agricultural losses.

Government

Mr. Keith

Mr. Burns

Mr. Dorris

Government 111. American Government and Citizenship. (3 hours.)

Purpose: The purpose of this course is to give a general introductory survey of the entire field of American Government and its workings. Teaching of good citizenship is one of the main objects of the course.

Topics: Local, state and national government; organization of the various departments of government with their functions and operation; political organizations and the influence of political parties; ideals of correct organization of government and its just function.

Government 311. Problems of American Government. (3 hours.)
Prerequisite: Government 111.

Purpose: To teach problems of government; to give the student some idea of the evils consequent to government, with ideals of correct government.

Topics: Problems connected with municipal, state, and national government; newer modes in organization and operation of government; problems connected with the franchise; various franchises in municipalities and contracts of state and nation; problems of incidence, levy and collection of taxes and appropriation of moneys.

Government 351. English Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with the government of England and Switzerland and some of the political literature of these nations.

Topics: The rise of governmental institutions of England, and her influence among the nations, kingship, parliament, cabinet, ministry, privy council, and the Swiss system of government and her democracy.

Government 452. (Formerly Government 352.) Foreign Government. (3 hours.)

Prerequisite: Government 111.

Purpose: To acquaint the student with the political systems and political writings concerning, France, Italy, Germany and Russia, and possibly with some of the newer governments, where time permits.

Topics: Such topics as naturally arise in the study of these governments.

History

Mr. Keith
Mr. Adams

Mr. Burns

Mr. Dorris
Miss Floyd

History 102. American History. (3 hours.)

Purpose: This is a survey course in American history, designed to familiarize the student with the general content from the discovery to the time of Andrew Jackson. Stress is placed on the bibliography and sources of materials for the study of American History.

Topics: Discovery, exploration, and conquest by nations; colonization; alienation of the colonies from England and eventual revolution; establishment of government and the rise of a powerful nation: the War of 1812; the beginning of the slavery controversy leading to final disruption.

History 103. American History. (3 hours.)

Purpose: This is a survey course designed to acquaint the student with the general content of American history from the time of Andrew Jackson to the present. Some effort is made to present the subject matter with the best methods of teaching and the literature of the course in mind.

Topics: The slavery contest to the climax in the Civil War, then the story of the negro to the present; the tariff question and its bearing on sectionalism; mechanical inventions; foreign wars; banking and currency; industrialism, and the rise of "Big Business."

History 240. (Formerly History 141.) History of Medieval Europe. (3 hours.)

Purpose: To familiarize the student with the general content of Medieval History, give him a notion of the continuity of history and acquaint him with the historical literature of the period covered.

Topics: The migration of the tribes, the rise of nationalities, the medieval church, Crusades, the feudal system, and the Hundred Years' War.

History 241. European History from 1500 to 1715. (3 hours.)

Purpose: This course continues the survey of European History. The general content of history and literature of the period is studied.

Topics: The Reformation and the religious wars; international rivalries and dynastic wars for aggrandizement; the rise of other nations; social, economic and industrial history; beginnings of liberalism; the development of political, educational and economic institutions.

History 242. English History to the Stuarts. (3 hours.)

Purpose: To give the student a general view of the first half of English History with extensive work in the literature concerning it.

Topics: The coming of the Anglo-Saxon, advance toward nationality, the Norman invasion, English feudalism, the Hundred Years' War, legal and political development, the Wars of the Roses and the fall of Feudalism, and the Tudor monarchy.

History 300. Recent and Current World History. (3 hours.)

Purpose: The purpose of this course will be to consider the recent and current history of the leading nations of the world. An attempt will be made to read the newest books and periodicals on the subject.

Topics: Economic, industrial, political, religious affairs of the nations considered.

History 301. American History. (2 hours.)

Prerequisite: History 102 or History 103.

Purpose: This course is designed to bring the study of America up through the World War.

Topics: Reconstruction after the Civil War, organized "Big Business," commerce, expansion, imperialism, tariff, foreign relations, current politics.

History 305. History of the American West, 1763 to 1890. (3 hours.)

Prerequisite: History 102 or History 103.

Purpose: To show the relation of the development of the West to American History.

Topics: Advancement of the American frontier, Indian Wars, Irrigation, political relations of the West to the nation, development of democracy, education, territorial acquisitions.

History 306. History of the American South. (3 hours.)

Prerequisite: History 102 or History 103.

Purpose: This course attempts to acquaint the student with the historical literature and the history of the South in its relation to the Union.

Topics: Settlement, peoples, religion, government, education, social and economic conditions, relations to the North and to foreign nations consequent to slavery, the Civil War, reconstruction, resumption and progress in all lines.

History 341. English History from 1603 to 1714. (2 hours.)

Prerequisite: History 242.

Purpose: To study the Puritan and the English revolutions and to give the English background of American History, together with some attention to historical literature of the period covered.

Topics: The Divine Right of James I and Charles I, religious and financial struggles of the time, parliamentary resistance to the first two Stuarts, the "Roundhead" Rebellion, and Charles II and James II and the English Revolution.

History 442. (Formerly History 342.) English History from 1714 to the present. (3 hours.)

Prerequisite: History 242.

Purpose: This course is sequential to History 242 and 341 and is intended to acquaint the student with the history and historical literature of the period indicated.

Topics: The Hanoverian dynasty, the struggle for empire, development of British Imperialism, parliamentary reforms of the nineteenth century, influence of political parties, England's place in the "Parliament of Men."

History 444. (Formerly History 344.) European History from 1715 to 1815. (2 hours.)

Prerequisite: History 241.

Purpose: The purpose of this course will be to make an intensive study of this century of European History and its sources.

Topics: The Industrial Revolution among the nations, wars partly consequent upon that revolution, rising imperialism among the nations, the French Revolution, and reconstruction of the continent of Europe.

History 445. (Formerly History 345.) European History from 1815 to the present. (3 hours.)

Prerequisite: History 240 or 241.

Purpose: The purpose of this course is an intensive study of this period of European History and its literature.

Topics: Social, economic, and industrial conditions after Waterloo; liberal uprisings and reactionary repressions—Metternich; the rise of Socialism—Karl Marx; wars of the century; the merging of the Germanic body into the German Empire; the rise of modern Italy; the struggle for naval, industrial, and economic mastery and the deluge of the World War; the aftermath of the war.

History 446. (Formerly History 346.) Latin-American History. (2 hours.)

Purpose: The purpose of this course is to acquaint the student with the history and government of the Mexican, Central and South American nations and their relations with the United States.

Topics: History and government of the nations involved.

History 461. (Formerly History 361.) Kentucky History. (2 hours.)

Purpose: To make a general study of Kentucky history, and to attempt to show the student the wealth of material for the study of the Commonwealth's history.

Topics: General, social, economic, political history of Kentucky; her influence in the development of American Democracy; her periods of leadership in the nation; her educational system; Kentucky's great men and women; historical sources of Kentucky; occasional excursions to places of historic interest will probably be taken.

Sociology

Mr. Keith

Mr. Burus

Sociology 231. Introduction to Sociology. (3 hours.)

Purpose: This course is a general survey of introductory sociology.

Topics: Field of sociology and its relation to other social science courses; relation of living conditions to life; the problem of finding and using leaders; social achievements; man's relation to his institutions and his responsibility for them; the family, religion and morals.

EXPERIMENTAL CURRICULA

The teachers college has a dual function. Its curriculum must provide for the development of both scholarship and professional training. Both of these objectives are to be kept constantly before the faculty and students. The curriculum of the teachers college is somewhat akin to that of the liberal arts college in that it should provide for a rich culture. It is similar to the curriculum of the vocational school since professional skills are to be developed. These purposes are not antagonistic but they are concomitant.

We have assumed in planning these curricula that specific preparation should be made for each of the teaching fields. An effort has been made to avoid a too narrow specialization. It is believed that a much better product will result from this arrangement than can be secured from curricula based on group requirements, or from the free elective system.

It is hoped that these experimental curricula will supplement our program in student guidance. A student should be able to consult this bulletin and plan his teaching career more intelligently than he would under a system that would permit him to offer four years of indiscriminate credit for a degree without very definite preparation for any teaching position.

These curricula are in no sense final. They are what the title signifies—experimental. They have been used during the past three years, during which time they have been tested and revised. It is recognized that they possess many shortcomings as they stand, but they do represent a beginning. They will be altered and amended as experience furnishes evidence of needed changes.

The following guiding principles have controlled our thinking in their preparation:

- (1) Each curriculum includes courses to give adequate instruction in and preparation for a specific teaching position.
- (2) Each curriculum includes a group of professional courses designed to develop adequate professional skill.
- (3) Each curriculum includes a group of informational and cultural courses representing the fields of English, Mathematics, Science, and Social Science.
- (4) Ample provision is made in each curriculum to take care of the individual choices of students in order that their work may be planned to suit their own interests and preferences.
- (5) Each curriculum includes a group of physical education courses designed to promote the health and recreational needs of the students.

REQUIREMENTS FOR DEGREES

The Bachelor's degree is issued upon a minimum of one hundred and twenty-eight semester hours of college credit. A maximum of thirty-two hours of the work required for a degree may be earned by extension and correspondence. A candidate for a degree must have been in residence in this institution a minimum of thirty-six weeks, at least eighteen of which must have been in the senior year, and must have earned a minimum of thirty-two hours while in residence.

MINIMUM DEPARTMENTAL REQUIREMENTS FOR PROFESSIONAL DEGREES

| | |
|--------------------------------------|----------|
| Education | 18 hours |
| English | 12 hours |
| History, Government, Sociology | 12 hours |
| Science | 12 hours |
| Mathematics | 7 hours |

MINIMUM DEPARTMENTAL REQUIREMENTS FOR THE NON-PROFESSIONAL DEGREES

Bachelor of Arts

| | |
|---|---------------|
| English | 18 hours |
| History, Government, Sociology | 18 hours |
| Science | 12 hours |
| Mathematics (Not including teachers' arithmetic)..... | 7 hours |
| *Foreign Language | 6 to 18 hours |

Bachelor of Science Degree

| | |
|---|---------------|
| English | 18 hours |
| History, Government, Sociology | 12 hours |
| Science | 60 hours |
| Mathematics (Not including teachers' arithmetic)..... | 12 hours |
| *Foreign Language | 6 to 18 hours |

*In meeting the Foreign Language requirement for this degree only credit in translation courses will be counted. The minimum amount of a Foreign Language which may be offered to meet this requirement shall be as follows:

Six semester hours provided three units of the same language are presented for college entrance.

Twelve semester hours provided two units of the same language are presented for college entrance.

Eighteen semester hours if less than two units of the same language are presented for college entrance.

In case a student offers for entrance more than three units of high school credit in a Foreign Language, the minimum amount of credit of college level which must be done in the same Foreign Language for meeting the requirements for the Bachelor of Arts degree and the Bachelor of Science degree shall be six semester hours.

In addition to fulfilling the minimum departmental requirements for the non-professional degree of Bachelor of Arts or Bachelor of Science, the candidate must offer a major of at least 24 semester hours, a first minor of at least 18 semester hours, and a second minor of at least 12 semester hours plus elective work to make a minimum of 128 semester hours.

COURSE REQUIREMENTS AT THE DIFFERENT LEVELS OF INSTRUCTION

Courses are numbered according to the following scheme:

Courses numbered 100 to 199 are primarily for freshmen.

Courses numbered 200 to 299 inclusive are primarily for sophomores.

Courses numbered 300 to 399 inclusive are primarily for juniors.

Courses numbered 400 to 499 inclusive are primarily for seniors.

A minimum of forty per cent of the semester hours of credit offered in fulfillment of the requirements for the bachelor's degree must be of senior college level.

SELECTION OF MAJOR AND MINOR SUBJECTS

Students are advised to give careful thought and consideration to the problem of electing Major and Minor subjects. These subjects should be chosen in accordance with the student's interest and the demand for service after graduation. Adequate preparation must be made in a subject in order to qualify one to teach the subject in the public schools. Nearly all high school teachers must teach two or more subjects.

The following is a list of suggested minors for each major subject. Minors are listed as far as possible in the order of frequency of demand.

| Major | Suggested Minors |
|----------------------|---|
| Art | Music, Elementary Education, English |
| Commerce | History, Geography, Mathematics |
| Elementary Education | Music, Art, Geography, English, History |
| English | French, Latin, History, Geography |
| Foreign Language | English, History |

| Major | Suggested Minors |
|-------------------------------|---|
| Geography and Geology | History, Science, Commerce, Agriculture |
| Health and Physical Education | Mathematics, Chemistry, Biology |
| History | English, Economics, Geography, Latin, French |
| Home Economics | Art, English, Social Science, Health, Science |
| Industrial Arts | Mathematics, Physical Education, Physics, Chemistry |
| Mathematics | Physics, Chemistry, Physical Education |
| Music | Art, English, History |
| Science | Mathematics, Physical Education |

MAJOR AND MINOR REQUIREMENTS

PRESCRIBED BY THE NORMAL EXECUTIVE COUNCIL

Major: Minimum 24 semester hours.

First Minor: Minimum 18 semester hours.

Second Minor: Minimum 12 semester hours.

APPLICATION FOR DEGREE

Candidates for degrees must make official application at least thirty days before commencement day. This application is made by going to the Business Office, paying the regular fee, presenting receipt for this fee at the Registrar's Office, and filling out the official application form.

REQUIREMENTS FOR CERTIFICATES

The new school code provides that certificates shall be issued by the State Department of Education. The requirements for the certificates will not be changed until September 1, 1935. Until that time the requirements for the various certificates will be as follows:

COLLEGE ELEMENTARY CERTIFICATE

| | |
|--|--------------|
| Freshman English | 6 hours |
| Classroom Management | 3 hours |
| Teaching the Common School Branches | 3 hours |
| Teachers' Arithmetic | 3 hours |
| American History | 3 hours |
| Principles of Geography | 3 hours |
| Public School Art or Public School Music | 2 hours |
| Health, Agriculture or Science | 2 to 5 hours |
| Elective | 7 to 4 hours |

All of the above work must be earned in residence.

STANDARD CERTIFICATE

The following is a statement of the minimum requirements for the Standard Certificate:

| | |
|---|----------|
| Public School Art | 2 hours |
| Educational Psychology | 3 hours |
| Classroom Management | 3 hours |
| Teaching the Common School Branches | 3 hours |
| Student Teaching | 3 hours |
| Freshman English | 6 hours |
| English or American Literature | 3 hours |
| Children's Literature | 3 hours |
| Principles of Geography | 3 hours |
| Health | 2 hours |
| American History | 3 hours |
| American Government and Citizenship | 3 hours |
| Teachers' Arithmetic | 3 hours |
| Public School Music | 2 hours |
| Science | 5 hours |
| Elective | 17 hours |

A maximum of sixteen hours of the above work may be earned by correspondence.

RENEWAL AND EXTENSION OF CERTIFICATES

The college elementary certificate issued on thirty-two hours may be renewed upon the completion of sixteen additional hours, at least eight of which must be earned in residence. The remaining eight hours may be earned by correspondence, extension or in residence. The work for the renewal shall be selected from the required courses for the standard certificate.

The standard certificate may be renewed upon the completion of sixteen additional hours, at least twelve of which must be earned in residence. The standard certificate issued by the teachers colleges may be extended for life within eight years from the date of issuance, provided the holder submits the certificate together with evidence showing that she has taught successfully three years during the life of the certificate. A maximum of two years of college attendance may be offered in lieu of the teaching experience. The holders of the college certificate, issued by the teachers college, may have the certificates extended for life by presenting the certificate and evidence of having taught successfully three years during the life of the certificate.

CURRICULUM FOR MAJOR IN ART**FIRST YEAR****First Semester**

| | |
|--|---------|
| Art 117—Elementary Drawing and Design..... | 4 hrs. |
| English 101—Oral and Written Composition..... | 3 hrs. |
| History 102—American History..... | 3 hrs. |
| Library Science 166—Library Methods | 1 hr. |
| Science 110—Introduction to Science..... | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 15 hrs. |

Second Seemster

| | |
|--|---------|
| Art 161—Public School Art..... | 2 hrs. |
| English 102—Oral and Written Composition..... | 3 hrs. |
| History 103—American History | 3 hrs. |
| Mathematics 107—College Algebra..... | 3 hrs. |
| Science 111—Introduction to Science..... | 3 hrs. |
| Elective | 2 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 17 hrs. |

SECOND YEAR**First Semester**

| | |
|--|---------|
| Art 215—Color Theory | 1 hr. |
| Art 200—Appreciation of Art..... | 2 hrs. |
| Biology 121—General Biology..... | 4 hrs. |
| Education 111—Educational Psychology..... | 3 hrs. |
| English 211 or English 212—English Literature..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| Art 217—Lettering and Poster Design..... | 2 hrs. |
| Art 222—Interior Decoration..... | 2 hrs. |
| English 213—American Literature..... | 3 hrs. |
| History 240—History of Medieval Europe..... | 3 hrs. |
| Mathematics (Elective)..... | 3 hrs. |
| Elective | 2 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 16 hrs. |

THIRD YEAR

First Semester

| | |
|---|---------|
| Art 315—Drawing, Painting, and Composition..... | 3 hrs. |
| Art 355—Costume Design..... | 2 hrs. |
| Art 372—Applied Design..... | 3 hrs. |
| Education 313—Child Psychology..... | 3 hrs. |
| History 241—European History from 1500 to 1715..... | 3 hrs. |
| Elective | 2 hrs. |
| | 16 hrs. |

Second Semester

| | |
|---|---------|
| Art 316—Drawing and Modeling | 2 hrs. |
| Art 361—Art Education in the Elementary and Secondary School | 3 hrs. |
| Art 390—The History of Art..... | 3 hrs. |
| Education 341—The Elementary School Curriculum..... | 3 hrs. |
| Mathematics (Elective) | 2 hrs. |
| Elective | 3 hrs. |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|---|---------|
| Art 475—Commercial Art and Illustrations..... | 3 hrs. |
| Education 261—Fundamentals in Early Elementary Education or Education 263—Fundamentals in Intermediate Education | 4 hrs. |
| Science (Elective)..... | 3 hrs. |
| Elective | 6 hrs. |
| | 16 hrs. |

Second Semester

| | |
|-------------------------------------|---------|
| Art 476—Advanced Painting..... | 3 hrs. |
| Education 463—Student Teaching..... | 5 hrs. |
| Elective | 8 hrs. |
| | 16 hrs. |

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Elementary Education, English.

CURRICULUM FOR MAJOR IN COMMERCE**FIRST YEAR****First Semester**

| | |
|--|---------|
| Commerce 124—Economic History of Europe..... | 3 hrs. |
| Commerce 151—Beginning Typewriting..... | 3 hrs. |
| English 101—Oral and Written Composition..... | 3 hrs. |
| History 102 or History 103—American History..... | 3 hrs. |
| Library Science 166—Library Methods | 1 hr. |
| Science (Elective)..... | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| Commerce 126—Business Arithmetic..... | 2 hrs. |
| Commerce 152—Advanced Typewriting..... | 3 hrs. |
| Education 111—Educational Psychology..... | 3 hrs. |
| English 102—Oral and Written Composition..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| Mathematics 107—College Algebra..... | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 18 hrs. |

SECOND YEAR**First Semester**

| | |
|--|---------|
| Commerce 215—Beginning Shorthand..... | 5 hrs. |
| Commerce 219—Principles of Accountancy..... | 4 hrs. |
| Commerce 230—Principles of Economics..... | 3 hrs. |
| English 211 or English 212—English Literature..... | 3 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| Commerce 216—Advanced Shorthand..... | 3 hrs. |
| Commerce 220—Principles of Accountancy..... | 2 hrs. |
| Commerce 231—Principles of Economics..... | 3 hrs. |
| English 213—American Literature..... | 3 hrs. |
| Science (Elective)..... | 4 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 16 hrs. |

THIRD YEAR

First Semester

| | |
|---|---------------|
| Commerce 301—Business English..... | 3 hrs. |
| Commerce 303—Secretarial Practice..... | 3 hrs. |
| Commerce 322—Principles of Accountancy..... | 3 hrs. |
| History 240—History of Medieval Europe..... | 3 hrs. |
| Mathematics (Elective) | 2 hrs. |
| Elective | 2 or 3 hrs. |
| | ————— |
| | 16 or 17 hrs. |

Second Semester

| | |
|---|---------|
| Commerce 309—Business Organization..... | 3 hrs. |
| Education 314—Psychology of Adolescence..... | 3 hrs. |
| Education (Elective)..... | 3 hrs. |
| Mathematics 341—Elementary Statistical Methods..... | 2 hrs. |
| Elective | 5 hrs. |
| | ————— |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|--|---------|
| Commerce (Elective)..... | 3 hrs. |
| Education 364—Methods of Teaching in the Secondary Schools | 4 hrs. |
| History (Elective)..... | 3 hrs. |
| Elective | 6 hrs. |
| | ————— |
| | 16 hrs. |

Second Semester

| | |
|-------------------------------------|---------|
| Commerce (Elective)..... | 3 hrs. |
| Education 463—Student Teaching..... | 5 hrs. |
| Elective | 8 hrs. |
| | ————— |
| | 16 hrs. |

RESTRICTIONS ON ELECTIVE:

In addition to the courses specified in the above outline, courses elected must include a minimum of five hours of science.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Geography, Mathematics.

CURRICULUM FOR MAJOR IN ELEMENTARY EDUCATION

FIRST YEAR

First Semester

| | |
|--|--------|
| Art 161—Public School Art or Music 160—Public School Music | 2 hrs. |
| English 101—Oral and Written Composition..... | 3 hrs. |
| Handwriting | 0 hrs. |
| History 102—American History..... | 3 hrs. |
| Library Science 166—Library Methods..... | 1 hr. |
| Mathematics 160—Teachers Arithmetic..... | 3 hrs. |
| Science 110—Introduction to Science..... | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |

Second Semester

| | |
|--|---------|
| | 16 hrs. |
| Art 217—Lettering and Poster Design..... | 2 hrs. |
| Education 111—Educational Psychology | 3 hrs. |
| English 102—Oral and Written Composition..... | 3 hrs. |
| History 103—American History..... | 3 hrs. |
| Music 160—Public School Music or Art 161—Public School Art | 2 hrs. |
| Science 111—Introduction to Science..... | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |

SECOND YEAR

17 hrs.

First Semester

| | |
|---|--------|
| Education 261—Fundamentals in Early Elementary Education or Education 263—Fundamentals in Intermediate Education | 4 hrs. |
| English 163—Fundamentals of Speech..... | 3 hrs. |
| Geography 101—Principles of Geography..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| Health 101—Public Hygiene..... | 3 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |

Second Semester

| | |
|---|---------|
| | 17 hrs. |
| Biology 121—General Biology..... | 4 hrs. |
| Education 265—Supervised Student Teaching..... | 5 hrs. |
| English 213—American Literature..... | 3 hrs. |
| English 261—Literature for Primary Grades or English 266—Literature for the Intermediate Grades..... | 3 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |

16 hrs.

THIRD YEAR

First Semester

| | |
|---|--------|
| Art 200—Appreciation of Art..... | 2 hrs. |
| Education 313—Child Psychology..... | 3 hrs. |
| English 211—English Literature..... | 3 hrs. |
| Geography 271—Geography of North America..... | 3 hrs. |
| Elective | 4 hrs. |

15 hrs.

Second Semester

| | |
|---|--------|
| Education 354—Reading in the Elementary School..... | 2 hrs |
| English 212—English Literature..... | 3 hrs. |
| Geography 372—Geography of Europe..... | 3 hrs. |
| Music 201—Music Appreciation..... | 3 hrs. |
| Elective | 4 hrs. |

15 hrs.

FOURTH YEAR

First Semester

| | |
|---|--------|
| Education 341—The Elementary School Curriculum..... | 3 hrs. |
| Geography 373—Geography of Latin America..... | 3 hrs. |
| History 241—European History from 1500 to 1715..... | 3 hrs. |
| Home Economics 306—Unit Course in Foods and Nutrition or Home Economics 307—Unit Course in Clothing..... | 3 hrs. |
| Elective | 4 hrs. |

16 hrs.

Second Semester

| | |
|--|--------|
| Education 321—Educational Measurement..... | 2 hrs. |
| Education 463—Student Teaching..... | 3 hrs. |
| English 317—Contemporary Literature | 2 hrs. |
| Geography 471—Geography of World Problems..... | 3 hrs. |
| History 461—Kentucky History..... | 2 hrs. |
| Elective | 4 hrs. |

16 hrs

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

| | |
|-------------------|---------|
| Mathematics | 4 hours |
| Science | 2 hours |

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Music, Art, Geography, English, History.

**CURRICULUM FOR MAJOR IN ENGLISH
FIRST YEAR**

First Semester

| | |
|--|---------|
| Education 111—Educational Psychology | 3 hrs. |
| English 101—Oral and Written Composition..... | 3 hrs. |
| History 102 or History 103—American History..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Library Science 166—Library Methods..... | 1 hr. |
| Mathematics 107—College Algebra | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| Biology 121—General Biology..... | 4 hrs. |
| English 102—Oral and Written Composition..... | 3 hrs. |
| English 163—Fundamentals of Speech..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Mathematics 113—Trigonometry..... | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 17 hrs. |

SECOND YEAR

First Semester

| | |
|--|---------------|
| English 211—English Literature..... | 3 hrs. |
| English 201—Journalism or English 231—Public Speaking or English 265—Grammar for Teachers..... | 2 or 3 hrs. |
| History 240—History of Medieval Europe..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Science (Elective)..... | 4 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 16 or 17 hrs. |

Second Semester

| | |
|--|---------|
| English 212—English Literature..... | 3 hrs. |
| English 213—American Literature..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| History 242—English History to the Stuarts..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 16 hrs. |

THIRD YEAR

First Semester

| | |
|---|-------------|
| Education 314—Psychology of Adolescence..... | 3 hrs. |
| English 321—Romantic and Victorian Poets..... | 3 hrs. |
| English 264—Story Telling (<i>not required</i>)..... | 2 hrs. |
| English 314—The Novel or | |
| English 316— Nineteenth Century Essayists <i>Short Story</i> | 2 or 3 hrs. |
| French or Latin | 3 hrs. |
| Elective | 3 or 2 hrs. |
| | 16 hrs. |

Second Semester

| | |
|---|---------------|
| Education 364—Methods of Teaching in the Secondary School | 4 hrs. |
| English 311—Shakespeare..... | 3 hrs. |
| English 301—Advanced Composition..... | 3 hrs. |
| English 315—Nineteenth Century Essayists or | |
| English 317—Contemporary Literature or | |
| English 305—Argumentation..... | 2 or 3 hrs. |
| French or Latin..... | 3 hrs. |
| | 15 or 16 hrs. |

FOURTH YEAR

First Semester

| | |
|--|-------------|
| Education 463—Student Teaching..... | 5 hrs. |
| English 441—History of the English Language..... | 2 hrs. |
| English 412—Contemporary Drama or | |
| English 362—Play Production or | |
| English 461—Kentucky Literature..... | 2 or 3 hrs. |
| Elective | 7 or 6 hrs. |
| | 16 hrs. |

Second Semester

| | |
|---|---------|
| Education (Elective)..... | 3 hrs. |
| English 413—World Literature..... | 3 hrs. |
| English 423—Milton or | |
| English 424—Medieval Story or | |
| English 435—Interpretative Reading..... | 2 hrs. |
| Elective | 8 hrs. |
| | 16 hrs. |

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

| | |
|-------------------|---------|
| Mathematics | 1 hour |
| Science | 4 hours |

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: French, Latin, History, Geography.

CURRICULUM FOR MAJOR IN FOREIGN LANGUAGE**FIRST YEAR****First Semester**

| | |
|--|---------|
| English 101—Oral and Written Composition..... | 3 hrs. |
| French (Elective)..... | 3 hrs. |
| History 102—American History..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Library Science 166—Library Methods..... | 1 hr. |
| Mathematics 107—College Algebra..... | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| English 102—Oral and Written Composition..... | 3 hrs. |
| French (Elective)..... | 3 hrs. |
| History 103—American History..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Mathematics 113—Trigonometry..... | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 16 hrs. |

SECOND YEAR**First Semester**

| | |
|--|---------|
| English 211 or English 212—English Literature..... | 3 hrs. |
| French (Elective)..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| History 240—History of Medieval Europe..... | 3 hrs. |
| Latin (Elective) | 3 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| Education 111—Educational Psychology..... | 3 hrs. |
| English 213—American Literature..... | 3 hrs. |
| French 203—French Civilization..... | 2 hrs. |
| French (Elective)..... | 3 hrs. |
| History 242—English History to the Stuarts..... | 3 hrs. |
| Elective | 1 hr. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | <hr/> |
| | 16 hrs. |

THIRD YEAR**First Semester**

| | |
|--|---------|
| Education 314—Psychology of Adolescence..... | 3 hrs. |
| French (Elective)..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Mathematics 207—College Algebra..... | 2 hrs. |
| Elective | 5 hrs. |
| | ————— |
| | 16 hrs. |

Second Semester

| | |
|------------------------|---------|
| French (Elective)..... | 3 hrs. |
| Latin (Elective)..... | 3 hrs. |
| Elective | 10 hrs. |
| | ————— |
| | 16 hrs. |

FOURTH YEAR**First Semester**

| | |
|---|---------|
| Education 364—Methods of Teaching in the Secondary School | 4 hrs. |
| Education (Elective)..... | 3 hrs. |
| Elective | 9 hrs. |
| | ————— |
| | 16 hrs. |

Second Semester

| | |
|-------------------------------------|---------|
| Education 463—Student Teaching..... | 5 hrs. |
| Elective | 11 hrs. |
| | ————— |
| | 16 hrs. |

In addition to the courses in the above outline, electives must include twelve hours of science.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, History.

CURRICULUM FOR A MAJOR IN GEOGRAPHY AND GEOLOGY

FIRST YEAR

First Semester

| | |
|--|---------|
| Biology 121—General Biology..... | 4 hrs. |
| Education 111—Educational Psychology..... | 3 hrs. |
| English 101—Oral and Written Composition..... | 3 hrs. |
| History 102—American History..... | 3 hrs. |
| Library Science 166—Library Methods..... | 1 hr. |
| Elective | 2 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| Economics 124—Economic History of Europe..... | 3 hrs. |
| English 102—Oral and Written Composition..... | 3 hrs. |
| Geography 101—Principles of Geography..... | 3 hrs. |
| History 103—American History..... | 3 hrs. |
| Mathematics 107—College Algebra..... | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | 16 hrs. |

SECOND YEAR

First Semester

| | |
|--|---------|
| Chemistry 111—General Chemistry..... | 4 hrs. |
| English 211 or English 212—English Literature..... | 3 hrs. |
| Geography 221—Economic Geography of Industries..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| Mathematics 113—Trigonometry..... | 3 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| English 213—American Literature..... | 3 hrs. |
| Geography 202—Climatology..... | 3 hrs. |
| Geography (Elective)..... | 3 hrs. |
| Science (Elective)..... | 3 hrs. |
| Elective | 3 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | 16 hrs. |

THIRD YEAR

First Semester

| | |
|---|---------|
| Geology 301—Physical Geography and Geology..... | 3 hrs. |
| Geography (Elective)..... | 3 hrs. |
| History (Elective)..... | 3 hrs. |
| Mathematics (Elective)..... | 2 hrs. |
| Elective | 5 hrs. |
| | ————— |
| | 16 hrs. |

Second Semester

| | |
|---|---------|
| Education 313—Child Psychology or Education 314—Psychology of Adolescence..... | 3 hrs. |
| Education 341—Elementary School Curriculum..... | 3 hrs. |
| Geography (Elective)..... | 6 hrs. |
| Elective | 4 hrs. |
| | ————— |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|---|---------|
| Education 263—Fundamentals in Intermediate Education or Education 364—Methods of Teaching in the Secondary School | 4 hrs. |
| Geography 471—Geography of World Problems..... | 3 hrs. |
| Geography (Elective) | 3 hrs. |
| Elective | 6 hrs. |
| | ————— |
| | 16 hrs. |

Second Semester

| | |
|-------------------------------------|---------|
| Education 463—Student Teaching..... | 5 hrs. |
| Geography (Elective)..... | 4 hrs. |
| Elective | 7 hrs. |
| | ————— |
| | 16 hrs. |

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: History, Science, Commerce, Agriculture.

CURRICULUM FOR MAJOR IN HEALTH AND PHYSICAL EDUCATION

FIRST YEAR

First Semester

| | |
|--|---------------|
| Education 111—Educational Psychology..... | 3 hrs. |
| English 101—Oral and Written Composition..... | 3 hrs. |
| Health 100—Personal Hygiene or | 2 hrs. |
| Health 101—Public Hygiene | 3 hrs. |
| History 102 or History 103—American History..... | 3 hrs. |
| Library Science 166—Library Methods..... | 1 hr. |
| Mathematics 107—College Algebra..... | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | 16 or 17 hrs. |

Second Semester

| | |
|--|---------------|
| Biology 121—General Biology..... | 4 hrs. |
| English 102—Oral and Written Composition..... | 3 hrs. |
| Health 100—Personal Hygiene or | 2 hrs. |
| Health 101—Public Hygiene | 3 hrs. |
| History 103 or History 102—American History..... | 3 hrs. |
| Mathematics 113—Trigonometry..... | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | 16 or 17 hrs. |

SECOND YEAR

First Semester

| | |
|--|---------|
| Chemistry 111—General Chemistry..... | 4 hrs. |
| English 211 or English 212—English Literature..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| Physical Education 275—Clog and Character Dancing..... | 1 hr. |
| Physical Education 260—Coaching Football and Basketball.... | 2 hrs. |
| Elective | 2 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | 16 hrs. |

Second Semester

| | |
|---|---------------|
| Chemistry 112—Inorganic Chemistry..... | 5 hrs. |
| English 213—American Literature..... | 3 hrs. |
| Health 202—First Aid to the Injured or | 1 hr. |
| Health 231—Home Nursing | 2 hrs. |
| Physical Education 265—Coaching Spring Sports..... | 2 hrs. |
| Physical Education 250—Scouting or Physical Education 251—Clubcraft..... | 3 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | 15 or 16 hrs. |

THIRD YEAR

First Semester

| | |
|---|---------|
| Biology 242—Comparative Anatomy..... | 4 hrs. |
| Education 314—Psychology of Adolescence..... | 3 hrs. |
| Health 365—Materials and Methods for Teaching Health Education or Physical Education 366—Materials and Methods for Teaching Physical Education | 2 hrs. |
| Mathematics 341—Elementary Statistics..... | 2 hrs. |
| Physical Education 367—Physical Training Activities..... | 2 hrs. |
| Elective | 3 hrs. |
| | 16 hrs. |

Second Semester

| | |
|---|---------|
| Biology 481—Animal Physiology..... | 4 hrs. |
| Education 263—Fundamentals in Intermediate Education or Education 364—Methods of Teaching in the Secondary Schools | 4 hrs. |
| Health 365—Materials and Methods for Teaching Health Education or Physical Education 366—Materials and Methods for Teaching Physical Education | 2 hrs. |
| Physical Education 368—Advanced Physical Training Activi- ties | 2 hrs. |
| Elective | 4 hrs. |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|---|---------|
| Education 463—Student Teaching..... | 5 hrs. |
| Health and Physical Education (Elective)..... | 3 hrs. |
| Social Science (Elective)..... | 3 hrs. |
| Elective | 5 hrs. |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| Education (Elective) | 3 hrs. |
| Health 460—Health Protection and Instruction in the Secondary Schools..... | 2 hrs. |
| Physical Education 468—Administration and Organization of Physical Education..... | 2 hrs. |
| Social Science (Elective)..... | 3 hrs. |
| Elective | 6 hrs. |
| | 16 hrs. |

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Chemistry, Biology.

CURRICULUM FOR A MAJOR IN HISTORY**FIRST YEAR****First Semester**

| | |
|--|---------|
| Education 111—Educational Psychology..... | 3 hrs. |
| English 101—Oral and Written Composition..... | 3 hrs. |
| Geography 101—Principles of Geography..... | 3 hrs. |
| History 102—American History..... | 3 hrs. |
| Library Science 166—Library Methods..... | 1 hr. |
| Mathematics 107—College Algebra..... | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| English 102—Oral and Written Composition..... | 3 hrs. |
| History 103—American History..... | 3 hrs. |
| Mathematics 113—Trigonometry..... | 3 hrs. |
| Science (Elective)..... | 4 hrs. |
| Elective | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 17 hrs. |

SECOND YEAR**First Semester**

| | |
|--|---------|
| English 211 or English 212—English Literature..... | 3 hrs. |
| Government 111—American Government and Citizenship..... | 3 hrs. |
| History 240—History of Medieval Europe or History 241—Modern History..... | 3 hrs. |
| Mathematics (Elective)..... | 2 hrs. |
| Elective | 4 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| Economics 124—Economic History of Europe..... | 3 hrs. |
| English 213—American Literature..... | 3 hrs. |
| Sociology 231—Introduction to Sociology..... | 3 hrs. |
| Elective | 6 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | ————— |
| | 16 hrs. |

THIRD YEAR

First Semester

| | |
|--|-------------|
| Education 314—Psychology of Adolescence..... | 3 hrs. |
| Geography 372—Geography of Europe..... | 3 hrs. |
| History (Elective)* | 3 to 6 hrs. |
| Elective | 7 to 4 hrs. |
| | — |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| Education (Elective)..... | 3 hrs. |
| English 317—Contemporary Literature..... | 3 hrs. |
| History (Elective)* | 6 hrs. |
| Elective | 4 hrs. |
| | — |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|---|---------|
| Education 364—Methods of Teaching in the Secondary School | 4 hrs. |
| Geography 471—Geography of World Problems | 3 hrs. |
| History (Elective)* | 4 hrs. |
| Elective | 5 hrs. |
| | — |
| | 16 hrs. |

Second Semester

| | |
|--------------------------------------|---------|
| Education 463—Student Teaching | 5 hrs. |
| History (Elective)* | 3 hrs. |
| Science (Elective) | 4 hrs. |
| Elective | 4 hrs. |
| | — |
| | 16 hrs. |

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: English, Economics, Latin, French, Geography.

* Courses must be elected with advice and consent of head of department.

CURRICULUM FOR A MAJOR IN VOCATIONAL HOME ECONOMICS

FIRST YEAR

First Semester

| | |
|--|---------|
| Biology 121—General Biology | 4 hrs. |
| Education 121—Educational Psychology | 3 hrs. |
| English 101—Oral and Written Composition | 3 hrs. |
| Health 101—Public Hygiene | 3 hrs. |
| Home Economics 101—Textiles | 2 hrs. |
| Library Science 166—Library Methods | 1 hr. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| Art 117—Elementary Drawing and Design | 4 hrs. |
| Chemistry 111—General Chemistry | 4 hrs. |
| English 102—Oral and Written Composition | 3 hrs. |
| Home Economics 102—Source, Selection and Cost of Foods.... | 2 hrs. |
| Physics 102—Household Physics | 3 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

SECOND YEAR

First Semester

| | |
|--|--------|
| Chemistry 215—Organic Chemistry | 5 hrs. |
| English 211 or English 212—English Literature | 3 hrs. |
| Home Economics 203—Garment Making | 3 hrs. |
| Home Economics 204—Nutrition and Food Preparation | 3 hrs. |
| Home Economics 206—Dressmaking | 2 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |

Second Semester

| | |
|--|---------|
| Economics 230—Principles of Economics | 3 hrs. |
| English 213—American Literature | 3 hrs. |
| Home Economics 205—Meal Planning, Preparation and Serving | 3 hrs. |
| Home Economics 222—Interior Decoration | 2 hrs. |
| Home Economics 231—Home Nursing | 2 hrs. |
| Sociology 231—Introduction to Sociology | 3 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

THIRD YEAR

First Semester

| | |
|---|---------|
| Chemistry 313—Bio-chemistry | 5 hrs. |
| Education 364—Methods of Teaching in the Secondary School | 4 hrs. |
| Health 303—Applied Bacteriology | 5 hrs. |
| Home Economics 301—Household Equipment | 2 hrs. |
| | — |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| Education 313—Child Psychology | 3 hrs. |
| Health 304—Microbiology of Foods | 5 hrs. |
| Home Economics 302—Advanced Cookery | 3 hrs. |
| Home Economics 303—The Family | 2 hrs. |
| Home Economics Education 304—Materials and Methods for Teaching Vocational Home Economics | 3 hrs. |
| | — |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|--------------------------------------|---------|
| Art 372—Applied Design | 3 hrs. |
| Biology 481—Animal Physiology | 4 hrs. |
| Education 463—Student Teaching | 5 hrs. |
| Home Economics 305—Tailoring | 2 hrs. |
| Elective | 2 hrs. |
| | — |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| Home Economics 355—Costume Design | 2 hrs. |
| Home Economics 401—Dietetics | 3 hrs. |
| Home Economics 402—Child Development | 3 hrs. |
| Home Economics 403—Home Management | 4 hrs. |
| Elective | 4 hrs. |
| | — |
| | 16 hrs. |

MINORS:

A first minor in science is provided for in the above curriculum. The following are suggested second minors: Art, English, Social Science, Health Science.

CURRICULUM FOR A MAJOR IN INDUSTRIAL ARTS**FIRST YEAR****First Semester**

| | |
|--|---------------|
| Education 111—Educational Psychology | 3 hrs. |
| English 101—Oral and Written Composition | 3 hrs. |
| History 102—American History | 3 hrs. |
| Library Science 166—Library Methods | 1 hr. |
| Mathematics 107—College Algebra | 3 hrs. |
| Elective | 2 or 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | 16 or 17 hrs. |

Second Semester

| | |
|--|---------|
| English 102—Oral and Written Composition | 3 hrs. |
| History 103—American History | 3 hrs. |
| Industrial Arts 191—Elementary Mechanical Drawing | 3 hrs. |
| Mathematics 113—Trigonometry | 3 hrs. |
| Science (Elective) | 4 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

SECOND YEAR**First Semester**

| | |
|--|---------|
| Art 161—Public School Art | 2 hrs. |
| English 211 or English 212—English Literature | 3 hrs. |
| Government 111—American Government and Citizenship | 3 hrs. |
| Industrial Arts 141—Elementary Cabinet Making..... | 3 hrs. |
| Industrial Arts 281—General Metal Working | 2 hrs. |
| Elective | 3 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| English 213—American Literature | 3 hrs. |
| History (Elective) | 3 hrs. |
| Industrial Arts 233—Industrial Arts Design | 2 hrs. |
| Industrial Arts 242—Intermediate Cabinet Making and Wood Turning | 2 hrs. |
| Science (Elective) | 4 hrs. |
| Elective | 2 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | 17 hrs. |

THIRD YEAR

First Semester

| | |
|---|---------|
| Education 314—Psychology of Adolescence | 3 hrs. |
| Industrial Arts 343—Advanced Cabinet Making and Mill Work | 2 hrs. |
| Industrial Arts 392—Elementary Machine Drawing | 2 hrs. |
| Mathematics (Elective) | 2 hrs. |
| Science (Elective) | 4 hrs. |
| Elective | 3 hrs. |
| | 16 hrs. |

Second Semester

| | |
|---|---------|
| Education (Elective) | 3 hrs. |
| Industrial Arts 394—Elementary Architectural Drawing | 2 hrs. |
| Industrial Arts 361—Organization, Administration, and Super- vision of Industrial Arts | 2 hrs. |
| Elective | 9 hrs. |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|---|---------|
| Education 364—Methods of Teaching in the Secondary School | 4 hrs. |
| Industrial Arts 466—Teaching of Industrial Arts | 2 hrs. |
| Elective | 10 hrs. |
| | 16 hrs. |

Second Semester

| | |
|---|-------------|
| Education 463—Student Teaching | 5 hrs. |
| Industrial Arts 401—Problems in Industrial Arts | 1 or 2 hrs. |
| Industrial Arts (Elective) | 3 or 2 hrs. |
| Elective | 7 hrs. |
| | 16 hrs. |

RESTRICTIONS ON ELECTIVES:

In addition to the courses specified in the above outline, courses elected must include minimum departmental requirements as follows:

Science 8 hours.

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. The following are suggested minors: Mathematics, Physical Education, Physics, Chemistry.

LIBERAL ARTS CURRICULUM

This curriculum leads to the degree of Bachelor of Arts or Bachelor of Science and does not fulfill the requirements for teachers' certificates. The applicant for the non-professional degree of Bachelor of Arts or Bachelor of Science must take his major and minors in the fields of arts and sciences. Education courses cannot be elected in this curriculum.

FIRST YEAR

First Semester

| | |
|--|---------|
| English 101—Oral and Written Composition | 3 hrs. |
| History 102—American History | 3 hrs. |
| Library Science 166—Library Methods | 1 hr. |
| Mathematics 107—College Algebra | 3 hrs. |
| Mathematics 113—Trigonometry | 3 hrs. |
| Elective* | 3 hrs. |
| Physical Education 110a—Fundamental Physical Education Activities | 1 hr. |
| | — |
| | 17 hrs. |

Second Semester

| | |
|--|---------|
| English 102—Oral and Written Composition..... | 3 hrs. |
| Government 111—American Government and Citizenship | 3 hrs. |
| History 103—American History | 3 hrs. |
| Mathematics (Elective) | 2 hrs. |
| Science (Elective) | 4 hrs. |
| Physical Education 110b—Fundamental Physical Education Activities | 1 hr. |
| | — |
| | 16 hrs. |

SECOND YEAR

First Semester

| | |
|--|---------|
| English 211 or English 212—English Literature | 3 hrs. |
| History 240—History of Medieval Europe | 3 hrs. |
| Science (Elective) | 5 hrs. |
| Elective* | 4 hrs. |
| Physical Education 200c—Fundamental Physical Education Activities | 1 hr. |
| | — |
| | 16 hrs. |

Second Semester

| | |
|--|---------|
| English 213—American Literature | 3 hrs. |
| History 242—English History to the Stuarts | 3 hrs. |
| Science (Elective) | 5 hrs. |
| Elective* | 4 hrs. |
| Physical Education 200d—Fundamental Physical Education Activities | 1 hr. |
| | — |
| | 16 hrs. |

THIRD YEAR

First Semester

| | |
|--------------------------|---------|
| English (Elective) | 3 hrs. |
| History (Elective) | 3 hrs. |
| Elective* | 10 hrs. |
| | — |
| | 16 hrs. |

Second Semester

| | |
|-------------------|---------|
| English 301 | 3 hrs. |
| Elective* | 13 hrs. |
| | — |
| | 16 hrs. |

FOURTH YEAR

First Semester

| | |
|-----------------|---------|
| Elective* | 16 hrs. |
| | — |
| | 16 hrs. |

Second Semester

| | |
|-----------------|---------|
| Elective* | 16 hrs. |
| | — |
| | 16 hrs. |

MINORS:

Use electives to obtain a first minor and a second minor. A minimum of 18 semester hours must be offered to fulfill the requirements for a first minor and a minimum of 12 semester hours for a second minor. Use electives also for obtaining minimum departmental requirements.

*Electives must be chosen with the advice and consent of the major professor at the time of registration.