

Winter 1929

## Iowa State Teachers College Program of Recitations, Winter 1928-29

Iowa State Teachers College

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# PROGRAM OF RECITATIONS

## WINTER TERM, 1928-29

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### Recitation Periods

First period .....	8:00 a. m. to 8:55 a. m.
Second period .....	9:00 a. m. to 9:55 a. m.
Third period .....	10:00 a. m. to 10:55 a. m.
Fourth period .....	11:00 a. m. to 11:55 a. m.
Fifth period .....	1:00 p. m. to 1:55 p. m.
Sixth period .....	2:00 p. m. to 2:55 p. m.
Seventh period .....	3:00 p. m. to 3:55 p. m.
Eighth period .....	4:00 p. m. to 4:55 p. m.

### Enrollment and Registration

#### A. To students in residence during the Fall term.

1. Consult your adviser during the last week of the term or earlier, presenting for inspection the Statement of Admission to the college from the Registrar's office, the Statement of Credits accepted from other institutions, and any Term Reports that you have received. After consulting with you, the adviser will furnish you with a list of courses for which you are to register.

2. File with your adviser as early as possible during the last week of the term all necessary petitions.

#### B. To students registering on enrollment day.

1. Pay the required fees to the Financial Secretary.

2. Fill out the enrollment blank.

3. Secure from the Registrar a registration card and a class card, and the credentials listed under A. 1, above, if you have not already secured them.

4. Show the registration card to the doorkeeper at the gymnasium.

5. If you have not received from your adviser a list of the courses for which you are to register, present to him for inspection the items listed in A. 1, above, and receive from him a list of courses for which you are to register.

6. Present your list of courses to the instructors concerned and have them fill out the registration card and the class card.

7. Present the registration card and the class card to your adviser for approval and file with your adviser all necessary petitions not previously filed.

8. File with the Receiving Committee the approved registration card and secure an exit card.

9. Retain the approved class card. The class card is to be shown to each instructor at the first recitation after registration.

10. If your registration is not completed on enrollment day, give your name to the Receiving Committee and secure an exit card. Keep your cards for completion of your registration on the following day, and then file the completed registration card with your adviser.

**C. To students registering after enrollment day.**

1. Pay the required fees to the Financial Secretary.
2. Fill out the enrollment blank.
3. Secure from the Registrar a registration card and a class card.
4. Present to your adviser for inspection your credits, and secure a list of the courses for which you are to register. See the registration bulletin board for the office and the office hours of the adviser.
5. Present your list of courses to the instructors concerned and have them fill out the registration card and the class card.
6. Present the registration card and the class card to the adviser for approval and file with the adviser the approved registration card and all necessary petitions.
7. Retain the approved class card. The class card is to be shown to each instructor at the first recitation after registration.
8. Students entering late must petition for permission to make up work if full credit is desired.

**D. To students desiring a change in registration.**

1. Consult your adviser concerning the proposed change.
2. If the adviser approves the change, have the change authorized by the adviser.
3. Have the change card signed by the instructor or instructors concerned.
4. File the change card at the Registrar's office.
5. If a change reduces the student's schedule to less than 10 hours, a petition must be filed in advance.
6. Applied Music (Piano, Organ, Voice, Violin, and other orchestral instruments), may not be dropped without the approval of the Committee on Registration.

**LECTURES BY THE DEAN OF WOMEN**

Required of all women candidates for graduation in 1929  
6:40 to 7:20 o'clock, Monday evenings  
Beginning January 7th, in the Auditorium.

**Explanation of Terminology**

The Arabic numerals following the name of the instructor indicate the periods during which the subject is given. Thus 1-2 means that there are two sections covering the same work, one meeting the first period and another the second period.

For description of courses see Bulletin for January, 1928. Each collegiate course is given daily for five hours credit unless other hours of work and credit are indicated. Sub-collegiate courses are given daily for twelve weeks credit, unless otherwise indicated.

**ART AND MANUAL ARTS**

**COLLEGIATE COURSES—**

**Open to Freshmen and Sophomores.**

Sheet Metal Work I, (2½ hrs.), Mr. Brown, daily 3.  
Wood Turning, (2 hrs.), Mr. Brown, M. Tu. W. Th. 5-6; Mr. Palmer,  
Tu. Th. 1 and 2; Tu. Th. 3 and 4.  
Perspective, (2½ hrs.), Miss Thornton, daily 2.

Primary Drawing I, (2 hrs.), (Credit only on Primary and Kindergarten curriculums), Miss Thornton, daily 6; Miss Cole, daily 2-4; Miss Conlon, daily 1-3; Mrs. Branagan, daily 4.

Primary Drawing II, (3 hrs.), (Credit only on Primary and Kindergarten curriculums), (Prerequisite, Primary Drawing I or equivalent preparation), Miss Thornton, daily 3-5; Miss Conlon, daily 2.

Applied Design, (3 hrs.), (Credit only on Home Economics curriculums), (Prerequisite, Drawing and Design), Miss Patt, daily 2-5.

General Design, (3 hrs.), Miss Schuneman, daily 2; Miss Conlon, daily 5.

Primary Handwork, (3 hrs.), (Credit only on Primary and Consolidated School Education curriculums and for those who major in Normal Training High School Critic Work), Mrs. Branagan, daily 1-3.

#### **Open to Freshmen, Sophomores and Juniors.**

Mechanical Drawing I, (2 hrs.), Mr. Bailey, Tu. Th. 5 and 6.

Mechanical Drawing II, (3 hrs.), (Prerequisite, Mechanical Drawing I), Mr. Bailey, M. W. F. 3 and 4; Mr. Palmer, M. W. F. 1 and 2.

Woodwork I, (3 hrs.), Mr. Palmer, M. W. F. 5 and 6.

Woodwork II, (2 hrs.), (Prerequisite, Woodwork I), Mr. Palmer, Tu. Th. 1 and 2; Tu. Th. 3 and 4.

Drawing I, (2½ hrs.), Miss Patt, daily 1; Miss Schuneman, daily 5-6.

Drawing II, (2½ hrs.), (Prerequisite, Drawing I or equivalent preparation), Miss Patt, daily 4; Miss Cole, daily 6; Mrs. Branagan, daily 5.

Applied Arts I, (2½ hrs.), (Prerequisite, General Design or equivalent preparation), Miss Schuneman, daily 4.

#### **Open to Sophomores, Juniors and Seniors.**

Organization and Administration of Manual Arts, (3 hrs.), (Prerequisite, Woodwork I and II and Mechanical Drawing I and II), Mr. Bailey, M. W. F. 1.

Wood Finishing, (2 hrs.), Mr. Bailey, Tu. Th. 1.

Sheet Metal Work II, (2½ hrs.), (Prerequisite, Sheet Metal Work I or equivalent preparation), Mr. Brown, daily 3.

Woodwork IV, (Prerequisite, Woodwork I, II, III), Mr. Brown, daily 5 and 6.

Commercial Illustration, (2½ hrs.), (Prerequisite, one term of Drawing), Miss Cole, daily 3.

#### **Open to Juniors and Seniors.**

Architectural Drawing, (3 hrs.), (Prerequisite, Mechanical Drawing I, II, III), Mr. Bailey, M. W. F. 3 and 4.

Home Mechanics, (3 hrs.), Mr. Brown, daily 2.

Advanced Cabinet Making, (Prerequisite, Woodwork I, II, III, IV), Mr. Brown, daily 5 and 6.

Advanced Design, (2½ hrs.), (Prerequisite, General Design or equivalent preparation), Miss Schuneman, daily 4.

Drawing III, (2½ hrs.), (Prerequisite, Drawing I and II or equivalent preparation), Miss Cole, daily 3.

## **PSYCHOLOGY, EDUCATION, AND RURAL EDUCATION**

### **COLLEGIATE COURSES—**

#### **Open to Freshmen and Sophomores.**

- Psychology I, Mr. Brown, 1-2; Mr. Nelson, 5; Mr. Phillips, 3-4-6.  
(Primary Methods) Language and Literature, (Credit only on Primary curriculums and for those who major in Normal Training High School Critic Work), Miss Arey, 1-2.  
(Primary Methods) Principles in Fundamentals, (Credit only on Primary and Kindergarten curriculums and for those who major in Normal Training High School Critic Work), Miss Burks, 2-3-5.  
Elementary School Methods, (Prerequisite, Psychology I), Mr. Brown, 5; Mr. Denny, 1; Mr. Todd, 3-6; Mr. Wilcox, 3-4.  
Management and Measurements, Mr. Buffum, 3-5; Mr. Hoyt, 2.  
Child Psychology, (Prerequisite, Psychology I), Mr. Charles, 6; Mr. Denny, 2; Mr. Hoyt, 3-5; Mr. Todd, 4; Mr. Wilcox, 6; Mr. Wiley, 4-6.  
Social Development, (Prerequisite, Psychology I), Mr. Denny, 5; Mr. Paul, 2.  
Educational Tests and Measurements, (3 hrs.), (Prerequisite, Psychology I), Mr. Nelson, M. W. F. 1.  
Mental Tests, (2 hrs.), (Prerequisite, Psychology I), Mr. Nelson, Tu. Th. 1.  
Educational Psychology for Teachers of Elementary Schools, (Prerequisite, Psychology I), Mr. Nelson, 2.  
Rural School Methods, Mrs. Talcott, 1-4.  
Didactics I, Mrs. Talcott, 3.  
Rural Teaching, (3 hrs.), (Credit only on the Rural Teacher curriculum, the Consolidated School curriculum and for those who major in Normal Training High School Critic Work or Consolidated School Education), (Illustrative Teaching must precede or accompany this course), Mr. Slacks, M. W. or Tu. Th., hours as arranged; Miss Wilmarth, M. W. or Tu. Th., hours as arranged.

#### **Open to Freshmen, Sophomores and Juniors. (Prerequisite, Psychology I).**

- History and Principles of Education, Mr. Goetch, 2; Mr. Hollingsworth, 6; Mr. Paul, 5.

#### **Open to Sophomores, Juniors and Seniors.**

- Genetic Psychology, (Prerequisite, Psychology I), Mr. Finkensbinder, 4.  
Experimental Psychology I, (Prerequisite, Psychology I), Mr. Finkensbinder, 2.  
History of American Education, (Prerequisite, Psychology I), Mr. Goetch, 1.  
History of Education, (Prerequisite, Psychology I), Mr. Hollingsworth, 3-4.  
The Consolidated School and Country Life, Mr. Slacks, 1-2.

#### **Open to Juniors and Seniors.**

- Literature for Primary Children, (Credit only for those who major in Primary or Kindergarten Education), Miss Arey, 5.

Logic, (3 hrs.), (Prerequisite, Psychology I), Mr. Walters, M. W. F. 1.  
 Ethics, (2 hrs.), (Prerequisite, Psychology I), Mr. Walters, Tu. Th. 1.  
 Philosophy of Education, (Prerequisite, Psychology I), Mr. Walters, 4.  
 School Administration and Supervision, (Prerequisite, Psychology I),  
 Mr. Buffum, 1.  
 The High School, (Prerequisite, Psychology I), Mr. Charles, 3-4.  
 Social Psychology, (Prerequisite, Psychology I), Mr. Paul, 1.  
 Educational Psychology for High School Teachers, (Prerequisite,  
 Psychology I), Mr. Wiley, 3.  
 Consolidated School Administration, Mr. Eells, 1.  
 The Rural High School, (2 hrs.), Mr. Eells, Tu. Th. 2.  
 Advanced Consolidated School Problems, (3 hrs.), (Prerequisite, Con-  
 solidated School Administration except that graduates of stand-  
 ard colleges may register for Consolidated School Administration  
 and Advanced Consolidated School Problems simultaneously.  
 Experienced superintendents who have not had Consolidated  
 School Administration may be admitted by the Department to  
 Course VIII, but they may not thereafter take Consolidated  
 School Administration for credit), Mr. Eells, M. W. F. 2.  
 Normal Training Supervision, Miss Wilmarth, 2.

## ENGLISH

### COLLEGIATE COURSES—

**Open to Freshmen only.** (Prerequisite for all other courses in English and Speech).

English I, Miss Freeman, ..... 1; Miss Freeman,  
 ..... 2; Miss Gregg, Miss Rohlf, 3; Miss Gregg,  
 Miss Buxbaum, 4; Miss Rohlf, Miss Buxbaum, 5; Miss Soren-  
 son, Miss Falkler, 6.

**Open to Freshmen and Sophomores.** (Prerequisite, English I).

Elements of Literature, Mr. Lynch, 5; Miss Lambert, 3; Miss Soren-  
 son, 4; Miss Rohlf, 1; Miss Buxbaum, 2.  
 Chief American Poets, (3 hrs.), Miss Gregg, M. W. F. 6.  
 American Prose Writers, (2 hrs.), Miss Gregg, Tu. Th. 6.

**Open to Freshmen, Sophomores and Juniors.** (Prerequisite, English I).

Narration and Description, Miss Terry, 6.  
 Public Speaking, Mr. Brindley, 1-3; Miss Freeman, 5; ..... 6.  
 Oral Interpretation I, Miss Falkler, 3-4; Miss Tuttle, 1-2.  
 Oral Interpretation II, (Prerequisite, Oral Interpretation I or equiv-  
 alent preparation), Miss Martin, 3.

**Open to Sophomores, Juniors and Seniors.** (Prerequisite, English I).

Shakespeare, Mr. Lynch, 3.  
 The Age of Classicism, Miss Carpenter, 4.  
 The Development of the English Novel, Miss Carpenter, 5.  
 Recent American Prose Writers, (3 hrs.), Miss Lambert, M. W.  
 F. 1-5.  
 Recent American Poets, (2 hrs.), Miss Lambert, Tu. Th. 1-5.  
 Advanced Exposition, Miss Sorenson, 3.



History of the English Language, (2 hrs.), Mr. Lynch, Tu. Th. 2.  
Play Production I, (Prerequisite, Oral Interpretation I and II or equivalent preparation), Miss Martin, 2.  
Debating, (3 hrs.), Mr. Brindley, M. W. F. 6.  
Theory of Debating, (2 hrs.), Mr. Brindley, Tu. Th. 6.

**Open to Juniors and Seniors.** (Prerequisite, English I).

Advanced Story Writing, (Prerequisite, Narration and Description),  
Miss Terry, 1.  
The Technique of Poetry, Miss Terry, 2.

## **HOME ECONOMICS**

### **COLLEGIATE COURSES—**

**Open to Freshmen, Sophomores and Juniors.**

Food Preparation I, (Prerequisite, General Inorganic Chemistry),  
Miss Overn, daily 6 and M. Tu. Th. 5.  
Clothing I, (4 hrs.), Miss Allen, Tu. Th. 5, 6 and 7 and W. 5; Miss  
Dillon, M. W. F. 6 and 7 and Tu. 6.  
Home and Community Hygiene, (3 hrs.), Miss Dillon, M. W. F. 2-3.

**Open to Sophomores, Juniors and Seniors.**

Home Nursing, (2 hrs.), (This course must be preceded or accompanied by Bacteriology), Miss Leggett, Tu. Th. 5.  
House Furnishing and Decoration, (3 hrs.), (Prerequisite, Applied Design and House Planning), Miss Leggett, M. W. F. 2; Miss Allen, M. W. F. 4.  
Child Care, (2 hrs.), Miss Leggett, Tu. Th. 6.  
Experimental Cooking, (3 hrs.), (Prerequisite, Food Preparation I and II), Miss Overn, Tu. Th. 1 and 2 and F. 2.  
Food Marketing, (2 hrs.), Miss Overn, M. W. 5.  
Costume Design, (3 hrs.), (Applied Design must precede or accompany this course), Miss Allen, Tu. Th. 3 and 4 and F. 5.

**Open to Juniors and Seniors.**

Food and Dietetics, (3 hrs.), (Prerequisite, Food Preparation I and II and Meal Planning), Miss Overn, M. W. 1 and 2 and F. 1.  
Home Management, (Prerequisite, Food Preparation I and II. This course must be preceded or accompanied by Food Marketing and Meal Planning), Miss Dillon, daily 1 and hours as arranged.

## **LATIN, GREEK, GERMAN**

### **COLLEGIATE COURSES—**

**Open to Freshmen, Sophomores and Juniors.**

Elementary Latin II, (Prerequisite, one year of high school Latin or equivalent preparation), Mr. Merchant, 1.  
Elementary Latin III, Miss Robinson, 6.  
Elementary Latin V, Vergil's Aeneid I, Miss Robinson, 4.  
Latin II, Pliny's Letters, Mr. Merchant, 3.  
Greek II, Mr. Merchant, 2.

German I, Miss Doffing, 6.

German II, Miss Doffing, 3; Mr. Schaefer, 1.

German III, Short Stories, (Prerequisite, one year of high school German or equivalent preparation), Miss Doffing, 4.

**Open to Sophomores, Juniors and Seniors and to Freshmen who have had two years of high school German or equivalent preparation.**

German IV, Historical Prose, (Prerequisite, two years of high school German or equivalent preparation), Mr. Schaefer, 5.

**Open to Sophomores, Juniors and Seniors.**

German VIII, Goethe's Hermann und Dorothea, (2 hrs.), (Prerequisite, German IV or equivalent preparation), Mr. Schaefer, Tu. Th., 2.

German X, Composition and Advanced Grammar, (3 hrs.), (Prerequisite, German IV or equivalent preparation), Mr. Schaefer, M. W. F., 2.

**Open to Juniors and Seniors.**

Latin X, Historical Latin Grammar II, (3 hrs.), (Prerequisite, Latin I, II, III. Greek II must precede or accompany this course), Mr. Merchant, M. W. F., 5.

## **MATHEMATICS AND COMMERCIAL EDUCATION**

### **SUB-COLLEGIATE COURSES—**

Second Plane Geometry, Mr. Daugherty, 3.

First Penmanship, Miss Davis, 2-5.

Advanced Penmanship, Mr. Cummins, 3.

First Typewriting, Miss Myers, 2-6.

Second Typewriting, Miss Myers, 3.

Third Typewriting, Miss Myers, 4.

### **COLLEGIATE COURSES—**

**Open to Freshmen and Sophomores.**

Principles of Elementary Mathematics, (Credit only on the Kindergarten, Primary, Elementary Education and Consolidated School curriculums and for those who major in Normal Training High School Critic Work and for those who major or minor in Mathematics), Mr. Condit, 3-6; Mr. Wester, 1-4-5.

Mathematics A, (Not credit for those who have more than one unit of entrance credit in Algebra), Mr. Daugherty, 1.

Shorthand I, (Credit only on Commercial curriculums), Miss Gaffin, 3.

Shorthand II, (Credit only on Commercial curriculums), Miss Gaffin, 2.

Shorthand III, (Credit only on Commercial curriculums), Miss Gaffin, 6.

Accounting A, (Not credit for those who have entrance credit in bookkeeping), Mr. Skar, 5.



**Open to Freshmen, Sophomores and Juniors.**

Mathematics I, Miss Lambert, 2; Mr. Daugherty, 4-6.  
Mathematics II, (Prerequisite, Mathematics I), Miss Lambert, 3;  
Mr. Watson, 6.  
Analytical Geometry, (Prerequisite, Mathematics II), Miss Lambert, 5.  
Accounting I, (Prerequisite, Accounting A or equivalent preparation), Mr. Cummins, 4-6.  
Accounting II, Mr. Cummins, 1.  
Commercial Law, Mr. Skar, 1-4.

**Open to Sophomores, Juniors and Seniors.**

Calculus II, Mr. Watson, 1.  
Modern Geometry, (3 hrs.), Mr. Watson, M. W. F. 3.  
Theoretical Mechanics, (Prerequisite, Calculus I), Mr. Watson, M. W. F. 4.  
History of Commerce, (2 hrs.), Mr. Mach, Tu. Th. 1.  
Advertising, (2 hrs.), Mr. Mach, Tu. Th. 4.  
Commercial Correspondence, (3 hrs.), Mr. Mach, M. W. F. 4.  
Machine Accounting, (1 hr.), (Prerequisite, Elementary Bookkeeping), Mr. Mach, M. 6 and 1 hr. laboratory as arranged.  
Business Publications, (1 hr.), Mr. Skar, Tu. 6 and 1 hr. laboratory as arranged.

**Open to Juniors and Seniors.**

Teaching of Secondary Mathematics, (3 hrs.), (Prerequisite, two courses in college mathematics), Mr. Condit, M. W. F. 2.  
Number Systems, (2 hrs.), Mr. Wester, Tu. Th. 2.  
Marketing, (3 hrs.), Mr. Mach, M. W. F. 1.

## **MUSIC**

**SUB-COLLEGIATE COURSE—**

Normal Piano Methods, Miss Evans, M. W. 1.

**COLLEGIATE COURSES—**

**Open to Freshmen, Sophomores and Juniors.**

First Music, (2 hrs.), (Not credit on the Public School Music curriculums), Mr. Fullerton, daily 5; Mr. Wolfe, daily 2; Miss Barker, daily 4; Mr. Hays, daily 6.  
Music II, (3 hrs.), Mr. Fullerton, M. W. F. 3; Miss Mayfield, M. W. F. 3.  
Music for Upper Grades, (3 hrs.), (Not credit on the Public School Music curriculums), (Prerequisite, First Music or equivalent preparation), Mr. Wolfe, daily 4-5; Mr. Hays, daily 1.  
Primary and Kindergarten Music, (3 hrs.), (Not credit on the Public School Music curriculums), (Prerequisite, First Music or equivalent preparation), Miss Mayfield, daily 1-4; Miss Barker, daily 2; Mrs. Schmidt, daily 3.  
Harmony I, (3 hrs.), Miss Ruegnitz, M. W. F. 1-6.  
Harmony II, (3 hrs.), Miss Ruegnitz, M. W. F. 3.  
Harmony III, (3 hrs.), Miss Ruegnitz, M. W. F. 2.

**Open to Sophomores, Juniors and Seniors.**

Ear Training, (3 hrs.), Mr. Hays, M. W. F. 2.  
History of Music I, (2 hrs.), Mr. Richman, Tu. Th. 5.  
History of Music II, (3 hrs.), Mr. Richman, M. W. F. 1-5.  
History of Music III, (2 hrs.), Mr. Richman, Tu. Th. 1.  
Counterpoint II, (2 hrs.), (Prerequisite, Harmony IV), Miss Evans,  
Tu. Th. 6.  
Music Methods I, (2 hrs.), Miss Starr, Tu. Th. 1.

**Open to Juniors and Seniors.**

High School Music, (3 hrs.), (Prerequisite, Conducting), Mr. Fullerton, M. W. F. 4.

**NATURAL SCIENCE**

**COLLEGIATE COURSES—**

**Open to Freshmen and Sophomores.**

Principles of Physiography, Mr. Cable, daily 1 and M. W. 2.  
Commercial and Industrial Geography, (Credit only on Commercial curriculums and for those who major in Earth Science), Mr. Cable, 5.  
Nature Study, (Credit only on the Kindergarten, Primary, Elementary Education and Consolidated School curriculums, and for those who major in Normal Training High School Critic Work), Miss Gilbert, daily 2 and M. W. 1; daily 3 and M. W. 4; daily 5 and Tu. Th. 6; Mr. Clark, daily 1 and Tu. Th. 2.  
Physiology I (a), Mr. Abbott, daily 3 and M. W. 4; Mr. Rath, daily 3 and Tu. Th. 4.  
General Agriculture, (Not credit for those who have college entrance credit in Agriculture), Mr. Scott, daily 5 and Tu. Th. 6.

**Open to Freshmen, Sophomores and Juniors.**

Principles of Geology, Mr. Cable, 3.  
Principles of Geography I, Miss Aitchison, 3-5; Miss Uttley, 2-6; Miss Rigdon, 3-4.  
Biology I (a), Mr. Abbott, daily 2 and M. W. 1.  
Biology II, (Prerequisite, Biology I), Mr. Abbott, daily 6 and Tu. Th. 5.  
Botany I—General College Botany, Mr. Clark, daily 5 and M. W. 6; Mr. Lantz, daily 4 and Tu. Th. 3.  
Beef Cattle and Sheep, (3 hrs.), Mr. Rath, M. W. F. 1 and W. 2.  
Horses, (2 hrs.), Mr. Rath, Tu. Th. 1 and Th. 2.  
Farm Crops, Mr. Scott, daily 3 and M. W. 4.

**Open to Sophomores, Juniors and Seniors.**

Geography of Europe, Miss Aitchison, 1.  
Geography of South America, Miss Uttley, 4.  
Hygiene and Sanitation (a), Miss Swalwell, daily 2 and M. W. 3; daily 6 and M. W. 5.  
Hygiene and Sanitation (b), (3 hrs.), Miss Swalwell, M. W. F. 4.  
Heredit and Evolution, (3 hrs.), Mr. Lantz, M. W. F. 2.  
Bacteriology, (3 hrs.), Mr. Lantz, Tu. Th. 6 and 7 and M. 7.  
Farm Management, (3 hrs.), Mr. Scott, M. W. F. 2.  
Soil Fertility, (2 hrs.), Mr. Scott, Tu. Th. 2.

**Open to Juniors and Seniors.**

- Botany V—Plant Physiology, (Prerequisite, General College Botany), Mr. Clark, daily 3 and M. W. 4.  
Teaching the Biological Sciences, (3 hrs.), (Prerequisite, 15 hours of credit in Biological Science including plant and animal study), Mr. Lantz, M. W. Th. 1 and Th. 2.  
Feeds and Feeding, (3 hrs.), Mr. Rath, M. W. F. 5 and F. 6.  
Principles of Breeding, (2 hrs.), Mr. Rath, Tu. Th. 5.

**ORCHESTRAL MUSIC**

**Open to Sophomores, Juniors and Seniors.**

- Orchestra Conducting I, (1 hr.), (Prerequisite, 3 hours of college credit in violin, viola, cello, piano, organ, or any wood or brass instrument), Mr. Searight, Tu. Th. 2.  
Orchestra Conducting II, (1 hr.), (Prerequisite, Orchestra Conducting I), Mr. Searight, Tu. Th. 7.  
Normal Course in Violin, (1 hr.), (Students taking this course must possess skill in violin work), Miss Possner, Tu. Th. 4.

**Open to students in Cello.**

- Cello Ensemble, Mr. Searight, Sat. 2.

**Open to students in Bass.**

- Bass Ensemble, Mr. Searight, Tu. Th. 3-4-6.

**Open to advanced students in Piano, Violin, Viola, Cello, Bass and Harp.**

- String Ensemble, Mr. Kurtz, M. Tu. Th. F. 5; Tu. F. 6; Mr. Searight, Tu. F. 5; M. W. 6; Miss Schwarek, W. F. 6; (Violin Class) M. 6.

**Open to Public School Music students.**

- Supervisor's Violin, (for drill credit, twice weekly), Miss Possner, Tu. Th. 1-2-3-5; M. W. 4. (Period 1 is intended for those who have already had one term of Supervisor's Violin.)

**Open to students of reed and brass instruments.**

- Band Masters Course, (for drill credit, twice weekly), (Prerequisite, private instruction on a wind instrument for at least thirty-six weeks or brass and wood-wind ensemble for thirty-six weeks), Mr. McCreary, Tu. Th. 8.

- Wood and Brass Ensemble, Mr. McCreary, hours to be arranged.

**Private Instruction, (1 hr.), hours to be arranged.**

- Violin, Mr. Kurtz.  
Viola, Mr. Kurtz.  
Wood and Brass Instruments, Mr. McCreary.  
Cello, Mr. Searight.  
Bass, Mr. Searight.

**Notes:**

1. The College Orchestra, Mr. Kurtz, director, M. W. F. 7.
2. The College Band, Mr. McCreary, director, Tu. Th. 7.
3. The Ladies Band, Mr. McCreary, director, W. F. 8.

## PHYSICAL EDUCATION

### MEN

#### COLLEGIATE COURSES—

##### Open to Freshmen, Sophomores and Juniors.

Theory of Basketball I, (3 hrs.), Mr. Mendenhall, daily 1 and 2;  
daily 7 and 8.

Theory of Basketball II, (3 hrs.), Mr. Whitford, daily 7 and 8 or  
Tu. Th. 7 and 8 and M. W. F. 1 and 2.

##### Open to Juniors and Seniors.

Theory of Swimming, (2 hrs.), Mr. Dickinson, daily 4.

Theory of Basketball III, (3 hrs.), (Prerequisite, Theory of Basketball I or II), Mr. Dickinson, daily 7 and 8 or Tu. Th. 7 and 8  
and M. W. F. 1 and 2.

Theory of Gymnastics, (2 hrs.), Mr. Bender, daily 3.

Theory of Wrestling, (2 hrs.), Mr. Bender, daily 6.

#### PHYSICAL TRAINING WORK—

Beginning Boxing, Mr. Whitford, M. W. F. 4.

Advanced Boxing, Mr. Whitford, Tu. Th. 4.

Volley Ball, Mr. Whitford, Tu. Th. 6.

Freshman Basketball, Mr. Whitford, M. W. F. 8.

Beginning Swimming, Mr. Dickinson, M. W. F. 2.

Advanced Swimming, Mr. Dickinson, Tu. Th. 3.

Basketball, Mr. Dickinson, M. W. F. 8.

Floor Work, Mr. Bender, M. W. F. 3.

Beginning Wrestling, Mr. Bender, M. W. F. 5.

Wrestling, Mr. Bender, M. W. F. 8.

### WOMEN

#### COLLEGIATE COURSES—

##### Open to Freshmen and Sophomores.

Play and Playground, (3 hrs.), (Not credit for those who major in  
Physical Education), Miss Wahle, M. W. F. 3.

##### Open to Freshmen, Sophomores and Juniors.

First Aid to the Injured, (2 hrs.), Dr. Mead, Tu. Th. 1.

Anatomy II, Dr. Mead, 2.

##### Open to Sophomores, Juniors and Seniors.

Physical Education III, (3 hrs.), Miss White, M. W. F. 1.

Physical Education VI, (2 hrs.), Miss Wild, Tu. Th. 2.

##### Open to Juniors and Seniors.

Corrective Gymnastics and Massage, (3 hrs.), (Prerequisite, Kinesiology), (Credit only for those who major in Physical Education or Coaching and Athletics), Miss Van Ness, M. W. 2 and F. 2  
with Miss Wild.

## **CLASS WORK IN PHYSICAL TRAINING FOR MAJOR STUDENTS—**

### **For Freshman Majors:**

Basketball, Miss Humiston, M. W. 4; Miss Michel, M. W. 4.  
Volley Ball, Miss Meares, Tu. Th. 4.  
Gymnastics, Miss Van Ness, M. W. 3.  
Country Dancing, Miss Van Ness, Tu. Th. 3.

### **For Sophomore Majors:**

Folk Dancing, Miss Van Ness, M. W. 5.  
Danish Gymnastics, Miss Wahle, Tu. Th. 7.  
National Dancing, Miss Wild, M. W. 6.

### **For Junior Majors:**

Apparatus, Miss Michel, Th. 6.  
Basketball, (Physical Education III), Miss White, Tu. Th. 5.  
Clogging, Miss Wild, M. W. 5.  
Dancing, (Physical Education VI), Miss Wild, Tu. 6.

### **For Senior Majors:**

Handball, Miss Humiston, M. W. 5.  
Clogging, Miss Wild, Tu. Th. 5.

## **GENERAL CLASS WORK IN PHYSICAL TRAINING FOR WOMEN IS TENTATIVELY PLANNED AS FOLLOWS:**

First Physical Training, Miss Wahle, Tu. Th. F. 6.  
Second Physical Training, Miss Egan, Tu. Th. F. 3; M. W. F. 4;  
Mrs. Hoffman, M. W. F. 3; Miss Humiston, Tu. Th. F. 4; Tu.  
Th. F. 6; Miss Meares, Tu. Th. F. 2; Tu. Th. F. 5; Mrs. Pettit,  
Tu. Th. F. 1; Miss Wild, M. W. 2 and F. 2 with Miss Van Ness.  
Second Primary Physical Training, Mrs. Hoffman, Tu. Th. (F.) 4;  
Miss Moore, Tu. Th. (F.) 3; Miss Van Ness, M. W. (F.) 6.  
Third Physical Training, Miss Michel, M. W. F. 6.  
Beginning Swimming, Miss Egan, M. W. (F.) 3; Mrs. Pettit, M. W.  
(F.) 2; Tu. Th. (F.) 4; Tu. Th. (F.) 6.  
First Intermediate Swimming, Miss Egan, M. W. 6; Tu. Th. 8.  
Second Intermediate Swimming, Miss Egan, M. W. 8.  
Advanced Swimming, Miss Egan, Tu. Th. 7.  
Life Saving, Mrs. Pettit, M. W. 7.  
Indian Golf, Miss White, M. W. 7.  
Beginning Clogging, Mrs. Hoffman, Tu. Th. 7; Miss Egan, Tu. Th.  
(F.) 2.  
Advanced Clogging, Miss Moore, M. W. 8.  
Beginning Dancing, Mrs. Hoffman, M. W. 7; Miss Wahle, Tu. Th. 2.  
Intermediate Dancing, Miss Wahle, Tu. Th. 8.  
Elementary Social Dancing, Mrs. Hoffman, M. W. 2; Tu. Th. 5;  
Mrs. Pettit, M. W. 3.  
Advanced Social Dancing, Mrs. Hoffman, Tu. Th. 8.  
Folk Dancing, Miss Moore, M. W. (F.) 3; Miss Van Ness, Tu. Th.  
(F.) 2; Tu. Th. 6.  
Advanced Folk Dancing, Miss Van Ness, M. W. 7.  
Correctives, Miss Egan, Tu. Th. 6; Mrs. Hoffman, M. W. 5; Miss  
Meares, M. W. 3; M. W. 7; Miss Moore, Tu. Th. 4; Miss Van  
Ness, Tu. Th. 8.  
Volley Ball, Mrs. Hoffman, M. W. 8; Miss Meares, M. W. (F.) 5;  
Tu. Th. 7; Miss Moore, M. W. (F.) 4.

Elementary Basketball, Miss Meares, M. W. (F.) 2; Mrs. Pettit, M. W. (F.) 1; Miss Wahle, Tu. Th. 3 (and F. 3 with Mrs. Hoffman); Miss Wahle, M. W. 8.  
 Basketball, Miss Humiston, M. W. (F.) 6; Tu. Th. 7; M. W. 8; Miss Michel, Tu. Th. (F.) 4; M. W. 7; Tu. Th. 8.  
 Simple Team Games, Miss Meares, Tu. Th. 8; Miss Wahle, M. W. 7.  
 Danish Gymnastics, Miss Wahle, M. W. 2.

**Note 1.** All elective classes reading "M. W. (F.)" and "Tu. Th. (F.)" are open to all students. Those who have completed three terms of three days a week each, should register into these classes for two days only, not for Friday. Those who are taking an elective in addition to a three-days-a-week class should register into these elective classes for two days only, not for Friday. Those who have been named as being privileged to take elective work for the Winter term should register into these classes for three days including Friday.

**Note 2.** Regular students may enter the following classes if there is room in these classes: Country Dancing, Hand Ball, Folk Dancing, National Dancing, Danish Gymnastics. Refer to major subjects outlined above for periods.

**Note 3.** Intramurals in Basket Ball and Volley Ball will be offered at 5:30 and at 6:30 daily. Recreational Swimming Monday and Thursday at 6:30 and Friday at 2:00.

## PHYSICS AND CHEMISTRY

### COLLEGIATE COURSES—

#### Open to Freshmen and Sophomores.

Physics XIII—Everyday Physical Science, (Credit only on Kindergarten, Primary, Elementary Education and Consolidated School curriculums), Mr. Begeman, M. Tu. Th. F. 2 and M. W. 1 or 6; Mr. Hersey, M. Tu. Th. F. 4 and M. W. 3 or 6.

Physics A, (Not credit for those who have had Physics for entrance credit), Mr. Begeman, daily 3 and Tu. Th. 2.

Physics XVII—General Physical Science, (Credit only on degree curriculums), Mr. Kadesch, daily 4 and Tu. Th. 3.

Chemistry XVII—Elementary Inorganic and Organic, (Credit only on the Physical Education curriculum), Mr. Getchell, M. W. F. 5. Laboratory: Mr. Getchell, Tu. Th. 5 and 6; Mr. Hersey, Tu. Th. 7 and 8.

#### Open to Freshmen, Sophomores and Juniors.

Physics XV—Sound and Music, (3 hrs.), (Credit only on Music and Degree curriculums), Mr. Begeman, M. W. F. 6.

Physics I—Mechanics, (3 hrs.), (Not credit for those who have had Physics A), (Prerequisite, high school physics or equivalent preparation), Mr. Kadesch, M. W. F. 2.

Physics II—Laboratory Physics in Mechanics, (2 hrs.), (Not credit for those who have had Physics A), Mr. Kadesch, Tu. Th. 1 and 2.

Physics V—Heat, Electricity and Magnetism, (3 hrs.), (Prerequisite, Physics I or Physics A and B or equivalent preparation), Mr. Kadesch, M. W. F. 5.

Physics VI—Laboratory Physics in Heat, Electricity and Magnetism, (2 hrs.), (Prerequisite, Physics I and II or Physics A and B), Mr. Kadesch, Tu. Th. 5 and 6.



General Inorganic Chemistry II, Mr. Getchell, daily 3 and M. W. 4.  
Chemistry XI—Inorganic and Organic, Mr. Read, M. W. F. 4.  
Laboratory: Mr. Read, Tu. Th. 3 and 4; Mr. Hersey, Tu. Th. 1 and 2.

Chemistry XII—Organic, (3 hrs.), (Prerequisite, Chemistry I and II or Chemistry X and XI), Mr. Read, W. F. 6 and 7 and M. 6.

**Open to Sophomores, Juniors and Seniors.**

Physics VIII—Advanced Course in Light, (3 hrs.), (Prerequisite, Physics III and IV or equivalent preparation), Mr. Begeman, hours as arranged.

Chemistry IV—Organic, (Prerequisite, General Inorganic Chemistry I and II), Mr. Read, daily 2 and Tu. Th. 1.

Chemistry VI (a)—Quantitative Analysis (Volumetric), (3 hrs.), Mr. Getchell, M. W. F. 5 and 6.

Chemistry VI (b)—Quantitative Analysis (Volumetric), (2 hrs.), (Chemistry VI (a) must precede or accompany this course), Mr. Getchell, Tu. Th. 5 and 6.

## **RELIGIOUS EDUCATION**

### **COLLEGIATE COURSES—**

**Open to Freshmen and Sophomores.**

History and Teaching of the Bible, Old Testament, (3 hrs.), Dr. Hanson, M. W. F. 2; Miss Hatch, M. W. F. 3-5; Fr. Wieneke, M. W. F. 7.

History and Teaching of the Bible, New Testament, (2 hrs.), Dr. Hanson, Tu. Th. 2-4; Miss Hatch, Tu. Th. 3-5; Fr. Wieneke, M. W. 6.

**Open to Sophomores, Juniors and Seniors.**

The Bible as Literature, (3 hrs.), Dr. Hanson, M. W. F. 3.

Studies in the Prophets, (3 hrs.), Miss Hatch, M. W. F. 4.

Ethical Child Training, (2 hrs.), Miss Hatch, Tu. Th. 4.

## **ROMANCE LANGUAGES**

### **COLLEGIATE COURSES—**

**Open to Freshmen, Sophomores and Juniors.**

Introductory French I, Miss Dyer, 2.

Introductory French II, Mr. Lillehei, 2; Miss Thomes, 6; Mr. Haddox, 3; Miss Dyer, 1; Miss Short, 4.

French III, (Prerequisite, one year of high school French or equivalent preparation), Miss Short, 6.

Introductory Spanish II, Miss Thomes, 2; Mr. Haddox, 6.

Spanish III, (Prerequisite, one year of high school Spanish or equivalent preparation), Miss Thomes, 4.

**Open to Sophomores, Juniors and Seniors and to Freshmen who have had two years of high school French or equivalent preparation.**

French IV (a), (3 hrs.), (Prerequisite, two years of high school French or equivalent preparation), Miss Short, M. W. F. 3.

French IV (b), (2 hrs.), (Prerequisite, two years of high school French or equivalent preparation), Miss Short, Tu. Th. 3.  
French V (a), (3 hrs.), Mr. Lillehei, M. W. F. 3-5.  
French V (b), (2 hrs.), Mr. Lillehei, Tu. Th. 3-5.

**Open to Sophomores, Juniors and Seniors and to Freshmen who have had two years of high school Spanish or equivalent preparation.**

Spanish V (a), (3 hrs.), Mr. Haddox, M. W. F. 2.  
Spanish V (b), (2 hrs.), Mr. Haddox, Tu. Th. 2.

**Open to Juniors, Seniors and to Sophomores who have had French IV, V, VI, or equivalent preparation.**

French XIV, (2 hrs.), Mr. Lillehei, Tu. Th. 6.  
French IX (a), (3 hrs.), Miss Dyer, M. W. F. 5.  
French IX (b), (2 hrs.), Miss Dyer, Tu. Th. 5.  
French X, (3 hrs.), Miss Short, M. W. F. 2.

## **SOCIAL SCIENCE**

### **COLLEGIATE COURSES—**

**Open to Freshmen and Sophomores.**

Rural Sociology, Mr. O'Neill, 3.  
American History I, Mr. Gemmill, 2-3; Mr. Wallace, 4; Mr. Wellborn, 6.  
European History I, Miss Riggs, 3-5.

**Open to Freshmen, Sophomores and Juniors.**

Principles of Economics I, Mr. Thompson, 3; Miss Hunter, 2; Mr. O'Neill, 6.  
Parliamentary Law and Practice, (1 hr.), Mr. Thompson, W. 4.  
American Government, Mr. Robinson, 4-6; Mr. Erbe, 2-5; Mr. Gemmill, 6; Miss Sharp, 1-4-5.  
American Colonial History, (3 hrs.), Mr. Wallace, M. W. F. 1.  
History of Iowa, (2 hrs.), Mr. Wallace, Tu. Th. 1.  
English History I, Mr. Wellborn, 1.

**Open to Sophomores, Juniors and Seniors.**

Greek and Roman Civilization, Miss Hunter, 1.  
Labor Problems, (3 hrs.), Miss Hunter, M. W. F. 5.  
Social Problems, (2 hrs.), Miss Hunter, Tu. Th. 5.  
General Sociology, Mr. O'Neill, 4.  
American Constitutional History, Mr. Robinson, 3.  
American History II, Mr. Wallace, 5.  
Modern European Governments, Mr. Erbe, 1.  
European History III, Miss Riggs, 4.  
English History II, Mr. Wellborn, 2.

**Open to Juniors and Seniors.**

Public Finance, Mr. Thompson, 2.  
Insurance, (2 hrs.), Mr. Thompson, Tu. Th. 6.

## TEACHING

### COLLEGIATE COURSES—

Illustrative Teaching, (Prerequisite, Psychology I, except that students on the two year Home Economics curriculum may take Illustrative Teaching while taking Psychology I, and those on the One Year Rural Teacher curriculum may take Illustrative Teaching after the completion of course I or II or III in Rural Education), Miss Luse, M. W. F. 3; Mr. Jackson, M. W. F. 2-4.

#### Open to Freshmen and Sophomores.

Primary Illustrative Teaching, (2 hrs.), (Prerequisite, Psychology I), (Credit on the Primary and Kindergarten curriculums only), Miss Rait, M. Tu. W. Th. 3.  
Kindergarten Theory II, (2 hrs.), (Credit on the Kindergarten curriculums only), Miss Waters, daily 4.

#### Open to Sophomores, Juniors and Seniors.

Kindergarten Theory V, (3 hrs.), (Credit only on the Kindergarten curriculums), Miss Waters, M. W. F. 1.  
Kindergarten Theory for Primary Teachers, (2 hrs.), (Prerequisite, 15 hours in Psychology and Education), (Credit on the Primary curriculums only), Miss Waters, M. Tu. W. Th. 5-6.  
Child Development, (Prerequisite, Psychology I), Miss Mummery, 1.  
Kindergarten Teaching and Criticism under Critic Supervision, (Prerequisite, 10 hours in Psychology and Education, Kindergarten Theory I, II, III), hours as arranged.  
Kindergarten Conference, (Required as part of Kindergarten Teaching and Criticism), Th. 7, supervisors as arranged.  
Primary Teaching and Criticism under Critic Supervision, (Prerequisite, Primary Illustrative Teaching and 10 hours in Psychology and Education), hours as arranged.  
Primary Conference, (Required as part of Primary Teaching and Criticism), Tu. Th. 7, supervisors as arranged.  
Teaching under Critic Supervision, (Prerequisite, 10 hours in Psychology and Education and credit for Illustrative Teaching except that students on the two year Home Economics curriculum may take Teaching after the completion of Psychology I and Illustrative Teaching), hours as arranged.  
Conference, (Required as part of Teaching), Th. 7, supervisors as arranged.