Iowa State Teachers College Program of Recitations, Summer 1928

Iowa State Teachers College
### Recitation Periods

<table>
<thead>
<tr>
<th>Period</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>7:30 a.m. to 8:25 a.m.</td>
</tr>
<tr>
<td>Second</td>
<td>8:30 a.m. to 9:25 a.m.</td>
</tr>
<tr>
<td>Third</td>
<td>9:30 a.m. to 10:25 a.m.</td>
</tr>
<tr>
<td>Fourth</td>
<td>10:30 a.m. to 11:25 a.m.</td>
</tr>
<tr>
<td>Fifth</td>
<td>11:30 a.m. to 12:25 p.m.</td>
</tr>
<tr>
<td>Sixth</td>
<td>12:30 p.m. to 1:25 p.m.</td>
</tr>
<tr>
<td>Seventh</td>
<td>1:30 p.m. to 2:25 p.m.</td>
</tr>
<tr>
<td>Eighth</td>
<td>2:30 p.m. to 3:25 p.m.</td>
</tr>
<tr>
<td>Ninth</td>
<td>3:30 p.m. to 4:25 p.m.</td>
</tr>
</tbody>
</table>

### Enrollment and Registration

**A. To students in residence during the Spring term.**

1. Consult your adviser during the last week of the term or earlier, presenting for inspection your course book (the copy of your record issued by the Registrar). If the course book has not been issued, present 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, a class card, and your course book, if you have one on file.
4. Present to your adviser for inspection your course book, if you have received one, 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.

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

SUB-COLLEGIATE COURSES—
Elementary Drawing, Miss Conlon, 4.
Elementary Handwork, Miss Kitt, 1-3.

COLLEGIATE COURSES—
Open to Freshmen and Sophomores.
Sheet Metal Work I, (2½ hrs.), Mr. Brown, daily 5.
Wood Turning, (2 hrs.), Mr. Palmer, M. Tu. W. Th. 3-4; Mr. Brown, Tu. Th. 1 and 2.
Primary Drawing I, (2 hrs.), (Credit only on Primary and Kindergarten curriculums), Miss Thornton, daily 3; Miss Baltzel, daily 5.

Primary Drawing II, (3 hrs.), (Credit only on Primary and Kindergarten curriculums), (Prerequisite, Primary Drawing I or equivalent preparation), Miss Thornton, daily 2-7.

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), Miss Conlon, daily 3-6; Miss Killey, daily 2; Mrs. Branagan, daily 1-4.

Open to Freshmen, Sophomores and Juniors.

Mechanical Drawing I, (2 hrs.), Mr. Bailey, Tu. Th. 3 and 4.
Mechanical Drawing II, (3 hrs.), (Prerequisite, Mechanical Drawing I), Mr. Bailey, M. W. F. 3 and 4.
Mechanical Drawing I and II (combined), Mr. Bailey, 3 and 4.
Mechanical Drawing III, (3 hrs.), (Prerequisite, Mechanical Drawing I and II), Mr. Palmer, M. W. F. 6 and 7.
Woodwork I, (3 hrs.), Mr. Brown, M. W. F. 1 and 2.
Woodwork II, (2 hrs.), (Prerequisite, Woodwork I), Mr. Brown, Tu. Th. 1 and 2.
Woodwork I and II (combined), Mr. Brown, 1 and 2.
Woodwork III, (2 hrs.), (Prerequisite, Woodwork I and II), Mr. Palmer, Tu. Th. 6 and 7.
Applied Arts I, (2½ hrs.), (Prerequisite, General Design or equivalent preparation), Miss Conlon, daily 1.
Drawing I, (2½ hrs.), Miss Killey, daily 3-5; Miss Baltzel, daily 5-7.
Drawing II, (2½ hrs.), (Prerequisite, Drawing I or equivalent preparation), Miss Kitt, daily 6; Miss Baltzel, daily 2.

Open to Sophomores, Juniors and Seniors.

Teaching Manual Arts, (Prerequisite, Psychology I, Woodwork I and II and Mechanical Drawing I and II), Mr. Bailey, 2.
Organization and Administration of Manual Arts, (3 hrs.), (Prerequisite, Woodwork I and II and Mechanical Drawing I and II), Mr. Bailey, M. W. F. 7.
Wood Finishing, (2 hrs.), Mr. Bailey, Tu. Th. 7.
Sheet Metal-Work II, (2½ hrs.), (Prerequisite, Sheet Metal Work I or equivalent preparation), Mr. Brown, daily 5.
Woodwork IV, (Prerequisite, Woodwork I, II, III), Mr. Palmer, daily 3 and 4.
Art Appreciation, Miss Thornton, 5.
The Teaching of Art, (Prerequisite, Drawing I and II and General Design), Mrs. Branagan, 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 6.
Advanced Cabinet Making, (Prerequisite, Woodwork I, II, III, IV), Mr. Palmer, daily 3 and 4.
Interior Decoration, (2½ hrs.), (Prerequisite, one term of drawing or equivalent preparation), Miss Conlon, daily 1.
Drawing III, (2½ hrs.), (Prerequisite, Drawing I and II or equivalent preparation), Miss Killey, daily 7.
PSYCHOLOGY, EDUCATION, AND RURAL EDUCATION

SUB-COLLEGIATE COURSES—
Elementary Psychology, Mrs. Richardson, 1.
Didactics, Mrs. Richardson, 5.

COLLEGIATE COURSES—
Open to Freshmen and Sophomores.
Psychology I, Mr. Brown, 1-2; Mr. Finkenbinder, 2-7; Mr. Hoyt, 3-6;
Mr. Nelson, 3-4-7; Mr. Phillips, 3-4-7; Mr. Riebe, 5; Mr. Wilcox,
3-4-7; Mr. Wiley, 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, 2-3.
(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 Barber,
3-4-7; Miss Smith, 1-5.
Elementary School Methods, (Prerequisite, Psychology I), Mr.
Brown, 5; Mr. Denny, 7; Mr. Todd, 1-2-6.
Management and Measurements, Mr. Buffum, 5; Mr. Kline, 4.
Child Psychology, (Prerequisite, Psychology I), Mr. Denny, 3-4;
Mr. Hoyt, 2.
Educational Tests and Measurements, (3 hrs.), (Prerequisite, Psychology I), Mr. Paul, M. W. F. 1-2.
Mental Tests, (2 hrs.), (Prerequisite, Psychology I), Mr. Paul, Tu.
Th. 1-2.
Social Development, (Prerequisite, Psychology I), Mr. Riebe, 1-2.
Didactics I, Mrs. Talcott, 2-4-6; Mr. Hamer, 4-6; Mr. Nolte, 5; Mrs.
Richardson, 3; Miss Wakefield, 3.
Rural School Management, Mr. Hamer, 7.
Rural School Methods, Miss Wassom, 3-4-6; Miss Wakefield, 2-5.

Open to Freshmen, Sophomores and Juniors. (Prerequisite, Psychology I).
Problems of Grade Teachers, (3 hrs.), Mr. Goetch, M. W. F. 1.
History and Principles of Education, Mr. Goetch, 2; Mr. Hölligsworth,
7.
Project Method in Teaching, (2 hrs.), Mr. Kline, Tu. Th. 1.
Elementary School Curriculum, Mr. Kline, 5.

Open to Sophomores, Juniors and Seniors on Degree Curriculums and on the Art, Manual Arts, Home Economics, Commercial Education and Public School Music Curriculums.
Psychology of Adolescence, (Prerequisite, Psychology I), Mr.
Charles, 1.

Open to Sophomores, Juniors and Seniors.
History of Primary Education, (3 hrs.), (Prerequisite, Psychology I), Mr. Walters, M. W. F. 1.
Primary Educational Classics, (2 hrs.), (Prerequisite, Psychology I),
Mr. Walters, Tu. Th. 1.
Experimental Psychology I, (Prerequisite, Psychology I), Mr. Finkenbinder, 4.
History of American Education, (Prerequisite, Psychology I), Mr.
Goetch, 6.
History of Education, (Prerequisite, Psychology I), Mr. Hollingsworth, 3-4.
The Junior High School, (3 hrs.), (Prerequisite, Psychology I), Mr. Kline, M. W. F. 1.
The Consolidated School and Country Life, Mr. Eells; 1-4; Mr. Nolte, 3-7.

Open to Juniors and Seniors.
Philosophy of Education, (Prerequisite, Psychology I), Mr. Walters, 4-7.
Literature for Primary Children, (Credit only for those who major in Primary or Kindergarten Education), Miss Arey, 6.
School Administration and Supervision, (Prerequisite, Psychology I), Mr. Buffum, 1-3.
The High School, (Prerequisite, Psychology I), Mr. Charles, 2-6.
Problems of Superintendents and Principals, (2 hrs.), (Prerequisite, Psychology I), Mr. Goetch, Tu. Th. 1.
Social Psychology, (Prerequisite, Psychology I); Mr. Paul, 5.
The Primary Curriculum, (Credit only for those who major in Primary or Kindergarten Education), Miss Smith, 2.
Consolidated School Administration, Mr. Eells, 2.
Educational Psychology for High School Teachers, (Prerequisite, Psychology I), Mr. Wiley, 3.
Special Methods in the Common Branches, (Prerequisite, Psychology I), 10 hours), Miss Wilmarth, 1.
Normal Training Supervision, Miss Wilmarth, 7.

ENGLISH

SUB-COLLEGIATE COURSES—
History of English Literature, (Prerequisite, 2 terms of Composition and 2 terms of English Classics or equivalent preparation), Miss Freeman, 1.
English Grammar, Miss Huglin, 7

COLLEGIATE COURSES—
Open to Freshmen only. (Prerequisite for all other courses in English and Public Speaking).

English I, Miss Buxbaum, Miss Ryan, 1; Miss Buxbaum, Miss Lyon, 2; Miss Slattery, Mr. Stout, 3; Miss Slattery, Mrs. Jones, 4; Mr. Fagan, Mr. Stout, 5; Miss Lyon, Miss Ryan, 6; Mr. Stout, Mrs. Jones, 7.

Open to Freshmen and Sophomores. (Prerequisite, English I).
Elements of Literature, Mr. Lynch, 5; Mr. Fagan, 1; Miss Terry, 3; Miss Slattery, 6; Miss Lyon, 7; Miss Ryan, 4.
Chief American Poets, (3 hrs.), Mrs. Jones, M. W. F. 5.
American Prose Writers, (2 hrs.), Mrs. Jones, Tu. Th. 5.

Open to Freshmen, Sophomores and Juniors. (Prerequisite, English I).
Oral Interpretation I, Miss Martin, 2-6; Miss Strayer, 4-5; Mrs. Jacobsen, 3.
Oral Interpretation II, (Prerequisite, Oral Interpretation I or equivalent preparation), Miss Martin, 1.
Narration and Description, Miss Terry, 7.
Methods in Reading and Literature, (3 hrs.), Miss Huglin, M. W. F. 3-4.
Methods in Language and Grammar, (2 hrs.), Miss Huglin, Tu. Th. 3-4.
Public Speaking, Mr. Brindley, 6; Miss Freeman, 4-5.
Principles of Argumentation, Mr. Brindley, 2.

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

Shakespeare, Mr. Lynch, 3.
Advanced Exposition, Mr. Fagan, 2.
Victorian Poetry, (3 hrs.), (Not credit for those who have credit for Tennyson and Browning), Miss Hogrefe, M. W. F. 1.
Victorian Prose, (2 hrs.), Miss Hogrefe, Tu. Th. 1.
Recent American Prose Writers, (3 hrs.), (Preferably for English majors and minors), Miss Hogrefe, M. W. F. 2.
Recent American Poets, (2 hrs.), (Preferably for English majors and minors), Miss Hogrefe, Tu. Th. 2.
Recent American Prose Writers, (3 hrs.), (Preferably for those not majoring or minoring in English), Miss Hogrefe, M. W. F. 6.
Recent American Poets, (2 hrs.), (Preferably for those not majoring or minoring in English), Miss Hogrefe, Tu. Th. 6.
Play Production I, (Prerequisite, Oral Interpretation I and II or equivalent preparation), Miss Strayer, 2.

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

The Teaching of English, Mr. Lynch, 1.
Advanced Story Writing, (Prerequisite, Narration and Description, except that students who took English I previous to the Summer term, 1927, may take this course without having taken Narration and Description), Miss Terry, 4.
Advanced Public Speaking, (Prerequisite, Public Speaking), Mr. Brindley, 3.

HOME ECONOMICS

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Clothing I, (3 hrs.), Miss Allen, daily 1.
Clothing II, (4 hrs.), (Prerequisite, Clothing I or equivalent preparation), Miss Allen, Tu. Th. 7 and 8 and 9 and W. 7.
Home and Community Hygiene, (3 hrs.), Miss Leggett, M. W. F. 4.
The School Lunch, (3 hrs.), Miss Dillon, daily 2.
Textiles, (2 hrs.), Miss Dillon, Tu. Th. 6 and Tu. 7.
Food Preparation II, (5 hrs.), (Prerequisite, General Inorganic Chemistry and Food Preparation I), Miss Overn, daily 4 and M. W. F. 3.

Open to Sophomores, Juniors and Seniors.

House Planning, (3 hrs.), (Prerequisite, Drawing and Design), Miss Leggett, M. W. F. 2.
Child Care, (2 hrs.), Miss Leggett, Tu. Th. 3-5.
House Furnishing and Decoration, (3 hrs.), (Prerequisite, Applied Design and House Planning), Miss Leggett, M. W. F. 7.
Applied Dress Design, (3 hrs.), (Costume Design must precede or accompany this course), Miss Allen, Tu. Th. 3 and 4 and W. 4.
Costume Design, (3 hrs.), (Applied Design must precede or accompany this course), Miss Allen, M. F. 4 and 5 and W. 5.
Millinery, (2 hrs.), (Prerequisite, Clothing I and II or equivalent preparation. Costume Design must precede or accompany this course), Miss Dillon, M. W. 7 and 8.
Food Marketing, (2 hrs.), Miss Overn, M. W. 7.
Home Nursing, (2 hrs.), (This course must be preceded or accompanied by Bacteriology), ................, M. W. 1.

Open to Juniors and Seniors.

Methods in Home Economics, (3 hrs.), Miss Leggett, M. W. F. 3.
Home Management, (Prerequisite, Food Preparation I and II. This course must be preceded or accompanied by Food Marketing and Meal Planning), Miss Dillon, hours as arranged.
Food and Dietetics, (3 hrs.), (Prerequisite, Food Preparation I and II and Meal Planning), Miss Overn, Tu. Th. 1 and 2 and F. 1.
Meal Planning, (3 hrs.), (Prerequisite, Food Preparation I and II), Miss Overn, Tu. Th. 5 and 6 and 7 and F. 7.

LATIN AND GERMAN

COLLEGIATE COURSES—

. Open to Freshmen, Sophomores and Juniors.

Elementary Latin I, (for beginners and for review of first-year Latin), Mr. Merchant, 1.
Elementary Latin IV, Ovid, (Prerequisite, two years of high school Latin or Elementary Latin III or equivalent preparation), Mr. Merchant, 3.
Latin I, Cicero’s Cato Major and Latin Composition, (Prerequisite, four years of high school Latin or other preparation approved by head of department), Mr. Merchant, 2.
German I, Miss Doffing, 1.
German II, Miss Doffing, 2.
German III, Short Stories, (Prerequisite, one year of high school German or equivalent preparation), Miss Buxbaum, 5.

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), Miss Doffing, 3.
German V, Schiller’s Dramas, (Prerequisite, German IV or equivalent preparation), ................, 7.

Open to Sophomores, Juniors and Seniors.

German VIII, Goethe’s Hermann und Dorothea, (2 hrs.), (Prerequisite, German IV or equivalent preparation), Miss Doffing, Tu. Th. 7.
German X, Composition and Advanced Grammar, (3 hrs.), (Prerequisite, German IV or equivalent preparation), Miss Doffing, M. W. F. 7.
Latin IV, Latin Composition, (Prerequisite, Latin I, II, III), Mr. Merchant, 7.
MATHEMATICS AND COMMERCIAL EDUCATION

SUB-COLLEGIATE COURSES—

First Plane Geometry, Mr. Daugherty, 6.
Second Plane Geometry, Mr. Beck, 2.
First Penmanship, Miss Davis, 2-4-5-7.
Advanced Penmanship, Mr. Cummins, 1.
First Typewriting, Miss Myers, 2-6.
Second Typewriting, Miss Myers, 4.
Third Typewriting, Miss Myers, 3.

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, 2-3; Mr. Wester, 1-4-6; Miss Van Dyke, 3-5-7.
Accounting A, (Not credit for those who have entrance credit in bookkeeping), Mr. Cummins, 6.
Shorthand I, (Credit only on Commercial curriculums), Miss Harnack, 1.
Shorthand II, (Credit only on Commercial curriculums), Miss Harnack, 2.
Shorthand III, (Credit only on Commercial curriculums), Miss Harnack, 5.

Open to Freshmen, Sophomores and Juniors.

Mathematics I, Mr. Daugherty, 1-4; Mr. Watson, 6.
Mathematics II, (Prerequisite, Mathematics I), Mr. Beck, 7.
Analytical Geometry, (Prerequisite, Mathematics II), Mr. Beck, 5.
Accounting I, (Prerequisite, Accounting A or equivalent preparation), Mr. Cummins, 3.
Accounting II, Mr. Cummins, 4.
Commercial Law, Mr. Skar, 2-7.

Open to Sophomores, Juniors and Seniors.

Calculus I, (Prerequisite, Analytical Geometry), Mr. Watson, 1.
Mathematics of Finance, (3 hrs.), Mr. Watson, M. W. F. 4.
Modern Geometry, (3 hrs.), Mr. Watson, M. W. F. 7.
Advertising, (2 hrs.), Mr. Mach, Tu. Th. 1.
Commercial Correspondence, (3 hrs.), Mr. Mach, M. W. F. 1.
History of Commerce, (2 hrs.), Mr. Mach, Tu. Th. 5.
Machine Accounting, (1 hr.), (Prerequisite, Elementary Bookkeeping), Mr. Mach, M. 7 and 1 hour laboratory as arranged.
Business Publications, (1 hr.), Mr. Skar, Tu. 6 and 1 hour laboratory as arranged.
Secretarial Training, (3 hrs.), Miss Harnack, M. W. F. 7.
Open to Juniors and Seniors.

History of Mathematics, (2 hrs.), (Prerequisite, two courses in college mathematics), Mr. Daugherty, Tu. Th. 3.
Teaching of Secondary Mathematics, (3 hrs.), (Prerequisite, two courses in college mathematics), Mr. Beck, Tu. Th. 3.
Business Organization, (2 hrs.), Mr. Mach, Tu. Th. 3.
Retail Merchandising, (3 hrs.), Mr. Mach, M. W. F. 3.
Marketing, (3 hrs.), Mr. Mach, M. W. F. 5.
Teaching of Commercial Subjects, (Prerequisite, previous training in shorthand, typewriting and bookkeeping), Mr. Skar, 4.

MUSIC

SUB-COLLEGIATE COURSE—

Elementary Music, .........................., 7; Mr. Hays, 2.

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Music I, (3 hrs.), Mr. Wolfe, M. W. F. 7.
Music II, (3 hrs.), Mr. Fullerton, 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. Fullerton, daily 6; Mr. Wolfe, daily 1.
First Music, (2 hrs.), (Not credit on the Public School Music curriculums), Miss Starr, Tu. Th. 4 and Mr. Fullerton, M. W. F. 4; Miss Starr, daily 6; Mr. Wolfe, daily 3; Miss Mayfield, daily 3; Mr. Hays, daily 1; ..................., daily 2-7; ..................., daily 5.

Primary and Kindergarten Music, (3 hrs.), (Not credit on the Public School Music curriculums), (Prerequisite, First Music or equivalent preparation), Miss Mayfield, daily 1; Mrs. Schmidt, daily 2.

Sight Singing, Miss Mayfield, 6.

Harmony I, (3 hrs.), ................., M. W. F. 2.

Open to Sophomores, Juniors and Seniors.

Conducting, (2 hrs.), Mr. Fullerton, Tu. Th. 3.
Music Methods I, (2 hrs.), Miss Starr, Tu. Th. 1.
History of Music I, (2 hrs.), Mr. Richman, Tu. Th. 2.
History of Music III, (2 hrs.), Mr. Richman, Tu. Th. 3.

Open to Juniors and Seniors.

Music Appreciation I, (3 hrs.), Miss Starr, M. W. F. 3.
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), Miss Rigdon, 7.
Physiology I (a), Mr. Abbott, daily 4 and M. W. 3; Mr. Rath, daily 3 and Tu. Th. 4.
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 4 and M. W. 3; daily 6 and Tu. Th. 7.

Open to Freshmen, Sophomores and Juniors.

Principles of Geology, Mr. Cable, 5.
Principles of Geography I, Miss Aitchison, 1-5; Miss Rigdon, 3-5; Mr. Halverson, 2-7.
Biology I (a), Mr. Abbott, daily 2 and M. W. 1.
Biology II, (Prerequisite, Biology I), Mr. Abbott, daily 7 and Tu. Th. 6.
Dairy Cattle, (3 hrs.), Mr. Rath, M. W. F. 1 and 2.
Swine, (2 hrs.), Mr. Rath, Tu. Th. 1 and Th. 2.
Farm Crops, Mr. Scott, daily 3 and M. W. 4.
Botany I—General College Botany, Mr. Lantz, daily 1 and Tu. Th. 2; Mr. Clark, daily 4 and Tu. Th. 3.
Botany IV—Trees and Shrubs, (3 hrs.), Mr. Clark, M. W. F. 2 and M. W. 1.

Open to Sophomores, Juniors and Seniors.

Astronomy I, Mr. Cable, 3.
Principles of Geography II, (Prerequisite, Principles of Geography I), Miss Aitchison, 3.
Geography of Europe, Mr. Halverson, 4.
Biology III, (Prerequisite, Biology I), Mr. Abbott, daily 7 and Tu. Th. 6.
Hygiene and Sanitation (b), (3 hrs.), Miss Swalwell, M. W. F. 2.
Hygiene and Sanitation (a), Miss Swalwell, daily 4 and M. W. 3; daily 6 and M. W. 7.
Farm Management, (3 hrs.), Mr. Scott, M. W. F. 5.
Soil Fertility, (2 hrs.), Mr. Scott, Tu. Th. 5.
Bacteriology, (3 hrs.), Mr. Lantz, M. W. F. 3 and M. F. 4.
Botany III—Plant Taxonomy, (Prerequisite, entrance credit in botany, or General College Botany), Mr. Lantz, daily 6 and Tu. Th. 7.

Open to Juniors and Seniors.

Feeds and Feeding, (3 hrs.), Mr. Rath, M. W. F. 7.
Principles of Breeding, (2 hrs.), Mr. Rath, Tu. Th. 7.
Methods in Agriculture, Mr. Scott, 1.
Botany VI—Plant Ecology, (Prerequisite, General College Botany), Mr. Clark, daily 7 and M. W. 6.
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), Miss Hopkins, F. 8 and 9.
  Orchestra Conducting II, (1 hr.), (Prerequisite, Orchestra Conducting I), Miss Hopkins, W. 8 and 9.

- Open to students in Cello.
  Cello Ensemble, Mr. Searight, Saturday 2-3; hours to be arranged.

- Open to students in Bass.
  Bass Ensemble, Mr. Searight, M. 2; Th. 3; M. Th. 4; hours to be arranged.

- Open to advanced students in Piano, Violin, Viola, Cello, Bass and Harp.
  String Ensemble, Mr. Kurtz, Tu. F. 7-8; hours to be arranged; Miss Schwarck, hours to be arranged; Mr. Searight, hours to be arranged.

- Open to Public School Music students.
  Supervisor’s Violin, (for drill credit, twice weekly), Miss Hopkins, W. F. 1; M. W. 2; Tu. Th. 7; hours to be arranged.

- Open to students of reed or 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. F. 9.
  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. Th. 8.
  2. The College Band, Mr. McCreary, director, Tu. F. 8.
  3. The Ladies Band, Mr. McCreary, director, M. Th. 8.

PHYSICAL EDUCATION

MEN

- COLLEGIATE COURSES—

  Open to Sophomores, Juniors and Seniors.
  Theory of Track III, (2 hrs.), Mr. Dickinson, daily 4.
  Theory of Football IV, (2 hrs.), Mr. Bender, daily 8.
  Theory of Basketball IV, (2 hrs.), Mr. Mendenhall, daily 7.
  Theory of Baseball III, (2 hrs.), Mr. Whitford, daily 9.
Open to Juniors and Seniors.

Theory of Mass Athletics, (2 hrs.), Mr. Whitford, daily 4.
Theory of Gymnastics, (2 hrs.), Mr. Bender, daily 2.
Theory of Wrestling, (2 hrs.), Mr. Bender, daily 3.
Theory of Swimming, (2 hrs.), Mr. Dickinson, daily 6.

PHYSICAL TRAINING WORK—

Beginning Swimming, Mr. Dickinson, M. W. F. 2.
Golf, Mr. Dickinson, M. W. F. 8.
Tennis, Mr. Mendenhall, M. W. F. 8; Tu. Th. 9.
Intramural Baseball, Mr. Whitford, 10 and 11.
Recreational Swimming, Mr. Bender, 9.
Recreational Golf, Mr. Dickinson, 9.
Recreational Tennis, Mr. Mendenhall, 10 and 11.

WOMEN

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Play and Playground, (3 hrs.), (Not credit for those who major in Physical Education), Miss White, M. W. F. 2.

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

Club Craft and Leadership, (2 hrs.), Mrs. Hoffman, Tu. Th. 4-7.
Physical Education I, (Credit only for those who major in Physical Education or in Coaching and Athletics), Miss Wild, 3.
Physical Education III, (3 hrs.), Miss White, M. W. F. 7.

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

Beginning Swimming, Miss Egan, M. W. 3-4-5; Tu. Th. 5; Mrs. Hoffman, Tu. Th. 6; Miss Michel, M. W. 2-7; Tu. Th. 2-4.
First Intermediate Swimming, Miss Michel, M. W. 6; Tu. Th. 7-9.
Advanced Swimming, Miss Egan, M. W. 9 (4:30).
Life Saving, Miss White, Tu. Th. 8.
Archery, Miss Egan, Tu. Th. 4.
Golf, Miss Egan, Tu. Th. 8-9.
Beginning Dancing, Mrs. Hoffman, Tu. Th. 8.
Dancing, Miss Wild, M. W. 5.
National Dancing, Miss Wild, Tu. Th. 5.
Social Dancing, Mrs. Hoffman, M. W. 4-6; Tu. Th. 9.
Folk Dancing, Mrs. Hoffman, M. W. 7; Miss Van Ness, M. W. 5-8.
Clogging, Miss Wild, Tu. Th. 8.
*Physical Training for Primary Grades, Miss Van Ness, Tu. Th. 8 and Th. 9.
Primary Games and Rhythms, Miss Van Ness, M. W. 7.
Danish Gymnastics, Miss Van Ness, Tu. Th. 7.
Tennis, Miss Van Ness, M. W. 2-4; Tu. Th. 2-3; Miss Michel, Tu. Th. 8.
Handball, Miss White, M. W. 4.
Cricket, Miss White, Tu. Th. 4.
Basketball Technique, (Required of all those enrolled in Physical Education III), Miss White, Tu. Th. 7.
Gymnastics, Miss Wild, M. W. 8.
Intermediate Games and Stunts, Miss Wild, Tu. Th. 7.
Canoeing, Miss White, Saturday a. m. 9:00 to 11:00 for 6 Saturdays;
Miss Wild, Saturday a. m. 9:00 to 11:00 for 6 Saturdays.
*Credit in these courses may be substituted for credit in Third Physical Training.

PHYSICS AND CHEMISTRY

SUB-COLLEGIATE COURSES—
First Physics, Mr. Hersey, daily 6 and Tu. Th. 7.
Second Physics, Mr. Hersey, daily 7 and Tu. Th. 6.

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.

Open to Freshmen, Sophomores and Juniors.
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. 6.
Physics VI—Laboratory Physics in Heat, Electricity and Magnetism, (2 hrs.), (Prerequisite, Physics I and II or Physics A and B or equivalent preparation), Mr. Kadesch, Tu. Th. 6 and 7.
General Inorganic Chemistry I, Mr. Getchell, daily 3 and M. W. 4.
General Inorganic Chemistry II, Mr. Hersey, daily 4 and Tu. Th. 3.
Chemistry XII—Organic Chemistry, (3 hrs.), (Prerequisite, Chemistry I and II or Chemistry X and XI), Mr. Getchell, M. W. F. 2 and W. F. 1.

Open to Sophomores, Juniors and Seniors.
Physics VII—Advanced Mechanics, (3 hrs.), (Prerequisite, Physics I and II or equivalent preparation), Mr. Begeman, hours as arranged.
Chemistry IV—Organic Chemistry, (Prerequisite, General Inorganic Chemistry I and II), Mr. Getchell, daily 6 and Tu. Th. 7.
Open to Juniors and Seniors.

Physics IX—Advanced Course in Electricity and Magnetism, (Prerequisite, Physics V and VI or equivalent preparation), Mr. Kadesch, hours as arranged.

Physics X—Teachers’ Course in Physics, (Prerequisite, 10 hours of College Physics (For teachers of physics this prerequisite could be set aside during the Summer term)), Mr. Begeman, 4 and laboratory as arranged.

RELIGIOUS EDUCATION

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

History and Teaching of the Bible, Old Testament, (3 hrs.), Miss Hearst, M. W. F. 1-2-7; Miss Hatch, M. W. F. 3-4.

History and Teaching of the Bible, New Testament, (2 hrs.), Miss Hearst, Tu. Th. 1-2-7; Miss Hatch, Tu. Th. 3-4.

Open to Sophomores, Juniors and Seniors.

The Bible as Literature, (3 hrs.), Mr. Wright, M. W. F. 3-4; Fr. Wiencke, M. W. F. 7.

The Ethics of the Bible, (2 hrs.), Mr. Wright, Tu. Th. 3-4; Fr. Wiencke, M. F. 6.

Studies in the Prophets, (3 hrs.), Miss Hatch, M. W. F. 5.

Ethical Child Training, (2 hrs.), Miss Hatch, Tu. Th. 5.

ROMANCE LANGUAGES

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Introductory French I, Mr. Lillehei, 2; Miss Short 5.

Introductory French II, Mr. Lillehei, 6.

French III, (Prerequisite, one year of high school French or equivalent preparation), Miss Short, 1.

Introductory Spanish I, Miss Thomas, 5; Mr. Haddox, 3.

Introductory Spanish II, Miss Thomas, 3.

Spanish III, (Prerequisite, one year of high school Spanish or equivalent preparation), Miss Thomas, 2.

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), Mr. Lillehei, M. W. F. 3.

French IV (b), (2 hrs.), (Prerequisite, two years of high school French or equivalent preparation), Mr. Lillehei, Tu. Th. 3.

French V (a), (3 hrs.), Mr. Haddox, M. W. F. 6.

French V (b), (2 hrs.), Mr. Haddox, Tu. Th. 6.

French VI (a), (3 hrs.), Miss Thomas, M. W. F. 7.

French VI (b), (2 hrs.), Miss Thomas, Tu. Th. 7.
Open to Sophomores, Juniors and Seniors and to Freshmen who have had two years of high school Spanish or equivalent preparation.

Spanish IV (a), (3 hrs.), (Prerequisite, two years of high school Spanish or equivalent preparation), Mr. Haddox, M. W. F. 4.
Spanish IV (b), (2 hrs.), (Prerequisite, two years of high school Spanish or equivalent preparation), Mr. Haddox, Tu. Th. 4.
Spanish V (a), (3 hrs.), Mr. Haddox, M. W. F. 1.
Spanish V (b), (2 hrs.), Mr. Haddox, Tu. Th. 1.

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

French VII (a), (3 hrs.), Miss Short, M. W. F. 4.
French VII (b), (2 hrs.), Miss Short, Tu. Th. 4.
French XIII, (2 hrs.), Miss Short, Tu. Th. 7.

SOCIAL SCIENCE

SUB-COLLEGIATE COURSES—

Elementary Economics, Mr. Partington, 7.
Civics of Iowa and the United States, Mr. Fleming, 2.
United States History, Miss Robinson, 3.

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Rural Sociology, Mr. Partington, 1-4-5; Mr. Fleming, 6-7.
American History I, Mr. Fleming, 3; Mr. Gemmill, 3; Mr. Young, 1-7; Mr. Wellborn, 5; Miss Robinson, 2-4.
European History I, Miss Robinson, 6.

Open to Freshmen, Sophomores and Juniors.

Principles of Economics I, Mr. Thompson, 7; Miss Hunter, 1; Mr. O’Neill, 3.
American Government, Mr. Robinson, 2-7; Mr. Erbe, 4-7; Mr. Cook, 1-6; Mr. Gemmill, 1-5; Mr. Aumann, 3-5-6.
Parliamentary Law and Practice, (1 hr.), Mr. Erbe, Tu. 2; W. 6.
American Colonial History, (3 hrs.), Mr. Wallace, M. W. F. 2.
History of Iowa, (2 hrs.), Mr. Wallace, Tu. Th. 2.

Open to Sophomores, Juniors and Seniors.

Money and Banking, Mr. Thompson, 2.
Corporation Finance and Investments, Mr. Thompson, 4.
Greek and Roman Civilization, Miss Hunter, 4.
Social Problems, (2 hrs.), Miss Hunter, Tu. Th. 6.
General Sociology, Mr. O’Neill, 2-5.
American Constitutional History, Mr. Robinson, 4.
Political Parties and Leaders, (3 hrs.), Mr. Cook, M. W. F. 3.
Colonial Government, (2 hrs.), Mr. Cook, Tu. Th. 3.
American History II, Mr. Wallace, 1-6.
History of the Far East, (3 hrs.), Mr. Young, M. W. F. 4.
Latin American History, (2 hrs.), Mr. Young, Tu. Th. 4.

Open to Juniors and Seniors.

Teaching the Social Sciences, (3 hrs.), Mr. Erbe, M. W. F. 2.
History of the West, Mr. Wellborn, 1.
Recent European History, Mr. Wellborn, 3.
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), Mr. Jackson, M. W. F. 3-4.

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. 4.

Open to Sophomores, Juniors and Seniors.

Kindergarten Theory for Primary Teachers, (2 hrs.), (Prerequisite, 15 hours in Psychology and Education), (Credit on the Primary curriculums only), Miss Leech and Miss Rait, M. Tu. W. Th. 2.

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. 8, 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. 8, 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. 8, supervisors as arranged.