

Spring 1928

Iowa State Teachers College Program of Recitations, Spring 1928

Iowa State Teachers College

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PROGRAM OF RECITATIONS

SPRING TERM, 1928

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, 1927. 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.

Time of Recitation Periods—

First hour	8:00 a. m. to	8:55 a. m.
Second hour	9:00 a. m. to	9:55 a. m.
Third hour	10:00 a. m. to	10:55 a. m.
Fourth hour	11:00 a. m. to	11:55 a. m.
Recess period	11:55 a. m. to	1:00 p. m.
Assembly in Auditorium	1:00 p. m. to	1:25 p. m.
Fifth hour	1:30 p. m. to	2:25 p. m.
Sixth hour	2:30 p. m. to	3:25 p. m.
Seventh hour	3:30 p. m. to	4:25 p. m.
Eighth hour	4:30 p. m. to	5:25 p. m.

Enrollment and Registration

A. To students in residence during the Winter 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.

ART AND MANUAL ARTS

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Sheet Metal Work I, (2½ hrs.), Mr. Brown, daily 3-4.

Wood Turning, (2 hrs.), Mr. Palmer, Tu. Th. 3 and 4.

Primary Drawing I, (2 hrs.), (Credit only on Primary and

- Kindergarten curriculums), Miss Thornton, daily 3-6.
- Primary Drawing II, (3 hrs.), (Credit only on Primary and Kindergarten curriculums), (Prerequisite, Primary Drawing I or equivalent preparation). Miss Thornton, daily 2; Miss Schuneman, daily 1-5; Miss Conlon, daily 3-6.
- Water Color, (2½ hrs.), (Prerequisite, Drawing I and General Design or equivalent preparation), Miss Patt, daily 1.
- General Design, (3 hrs.), Miss Schuneman, daily 4; Miss Cole, daily 1; 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), Miss Hazen, daily 2-5.

Open to Freshmen, Sophomores and Juniors.

- Wood Finishing, (2 hrs.), Mr. Bailey, Tu. Th. 1.
- 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.
- Mechanical Drawing III, (3 hrs.), (Prerequisite, Mechanical Drawing I and II), Mr. Palmer, M. W. F. 1 and 2; M. W. F. 5 and 6.
- Woodwork I, (3 hrs.), Mr. Brown, M. W. F. 5 and 6.
- Woodwork II, (2 hrs.), (Prerequisite, Woodwork I), Mr. Palmer, Tu. Th. 3 and 4.
- Woodwork III, (2 hrs.), (Prerequisite, Woodwork I and II), Mr. Palmer, Tu. Th. 5 and 6; Mr. Brown, Tu. Th. 1 and 2.
- Drawing I, (2½ hrs.), Miss Patt, daily 3-5; Miss Cole, daily 4-5; Miss Conlon, daily 2; Miss Hazen, daily 3.
- Drawing II, (2½ hrs.), (Prerequisite, Drawing I or equivalent preparation), Miss Patt, daily 4; Miss Cole, daily 2; Miss Hazen, daily 6.

Open to Sophomores, Juniors and Seniors.

- Sheet Metal Work II, (2½ hrs.), (Prerequisite, Sheet Metal Work I or equivalent preparation), Mr. Brown, daily, 3-4.
- Art Appreciation, Miss Thornton, 4.
- Applied Arts II, (3 hrs.), (Prerequisite, Applied Arts I or equivalent preparation), Miss Schuneman, 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.
- Economics of Manual Arts, (2 hrs.), Mr. Bailey, Tu. Th. 4.
- Pictorial Composition, (2½ hrs.), (Prerequisite, Drawing I and II or equivalent preparation), Miss Patt, daily 1.
- Interior Decoration, (2½ hrs.), (Prerequisite, one term of drawing or equivalent preparation), Miss Schuneman, daily 3.

EDUCATION

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Psychology I, Mr. Brown, 1-5; Mr. Hoyt, 5; Mr. Wiley, 2-5.
(Primary Methods) Language and Literature, (Credit only on Primary curriculums and for those who major in Normal Training High School Critic Work), Miss Arey, 1-2-5.

(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 Smith, 2-3.

Management and Measurements, Mr. Brown, 2; Mr. Buffum, 2-5; Mr. Phillips, 4-5; Mr. Riebe, 6; Mr. Wilcox, 6.

Elementary School Methods, (Prerequisite, Psychology I), Mr. Denny, 3-4; Mr. Todd, 1-2-5; Mr. Wiley, 1.

Child Psychology, (Prerequisite, Psychology I), Mr. Denny, 6; Mr. Wilcox, 3-4.

Social Development, (Prerequisite, Psychology I), Mr. Riebe, 2-3.

Didactics I, Mrs. Talcott, 1.

Rural School Methods, Mrs. Talcott, 3-5.

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, hours as arranged; Miss Wilmarth, hours as arranged.

Open to Freshmen, Sophomores and Juniors 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, 5.

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

History and Principles of Education, Mr. Goetch, 1-5; Mr. Hoyt, 2-3.

Educational Tests and Measurements, (3 hrs.), Mr. Paul, M. W. F. 3-4.

Mental Tests A, (2 hrs.), Mr. Paul, Tu. Th. 3-4.

Open to Sophomores, Juniors and Seniors.

Genetic Psychology, (Prerequisite, Psychology I), Mr. Fink-enbinder, 3.

History of American Education, (Prerequisite, Psychology I), Mr. Goetch, 2.

History of Education, (Prerequisite, Psychology I), Mr. Hollingsworth, 3-4-6.

The Consolidated School and Country Life, Mr. Eells, 1-3; Mr. Slacks, 2-3.

Open to Juniors and Seniors.

- 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, 2-3.
Social Psychology, (Prerequisite, Psychology I), Mr. Paul, 6.
The Primary Curriculum, (Credit only for those who major in Primary or Kindergarten Education), Miss Smith, 5.
Normal Training Supervision, Miss Wilmarth, 2.

ENGLISH

COLLEGIATE COURSES—

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

- English I, Miss Rohlf, 1; Miss Rohlf, Miss Falkler, 2; Miss Sorenson, Miss Slattery, 3; Miss Gregg, Miss Slattery, 4; Mr. Fagan, 5; Miss Sorenson, Miss Gregg, 6.

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

- Elements of Literature, Mr. Lynch, 1; Mr. Fagan, 2; Miss Sorenson, 4; Miss Hogrefe, 2-5; Miss Terry, 3; Miss Rohlf, 5; Miss Slattery, 6.
American Prose Writers, (2 hrs.), Miss Gregg, Tu. Th. 3.
Chief American Poets, (3 hrs.), Miss Gregg, M. W. F. 3.

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

- Narration and Description, (Not open to those who took English I (b) previous to summer term, 1927), Miss Terry, 5.
Oral Interpretation I, Miss Strayer, 2; Miss Falkler, 1-5; Miss Tuttle, 3-4-6.
Oral Interpretation II, (Prerequisite, Oral Interpretation I or equivalent preparation), Miss Martin, 2; Miss Strayer, 3.
Public Speaking, Mr. Brindley, 1-2; Miss Freeman, 4-6; Mrs. Jones, 3-5.

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

- Shakespeare, Mr. Lynch, 3.
Middle English, Mr. Lynch, 6.
The English Romantic Movement, Miss Carpenter, 4.
Play Production I, (Prerequisite, Oral Interpretation I and II or equivalent preparation), Miss Martin, 1.
American Drama, (2 hrs.), Miss Lambert, Tu. Th. 1.
Modern European Drama, (3 hrs.), Miss Lambert, M. W. F. 1.
Recent American Poets, (2 hrs.), Miss Lambert, Tu. Th. 2-5.

Recent American Prose Writers, (3 hrs.), Miss Lambert, M. W. F. 2.
Recent English Prose, (3 hrs.), Miss Lambert, M. W. F. 5.
Victorian Prose, (2 hrs.), Miss Hogrefe, Tu. Th. 1.
Victorian Poetry, (3 hrs.), (Not credit for those who have credit for Tennyson and Browning), Miss Hogrefe, M. W. F. 1.

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

History of English Literature, Miss Carpenter, 5.
Advanced Exposition, Mr. Fagan, 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, 2.
Advanced Public Speaking, (Prerequisite, Public Speaking), Mr. Brindley, 6; Miss Freeman, 3.

HOME ECONOMICS

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

Child Care, (2 hrs.), Miss Leggett, Tu. Th. 2-5.
House Planning, (3 hrs.), (Prerequisite, Drawing and Design), Miss Leggett, M. W. F. 2.
Millinery, (2 hrs.), (Prerequisite, Clothing I and II or equivalent preparation. Costume Design must precede or accompany this course), Miss Dillon, Tu. Th. 6 and 7.

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.

LATIN, GREEK, GERMAN

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

- Elementary Latin III, Mr. Merchant, 1.
- Elementary Latin IV, Ovid, (Prerequisite, two years of high school Latin or Elementary Latin III or equivalent preparation), Miss Miller, 4.
- Elementary Latin VI, Vergil's Aeneid II, Miss Miller, 3.
- Elementary Latin X, Cicero's Orations II, Miss Miller, 6.
- Latin III, Epodes and Odes of Horace, Mr. Merchant, 2.
- German I, Mr. Schaefer, 3.
- German II, Miss Doffing, 5.
- German III, Short Stories, (Prerequisite, one year of high school German or equivalent preparation), Miss Doffing, 1; Mr. Schaefer, 6.

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, 4.
- German V, Schiller's Dramas, (Prerequisite, German IV or equivalent preparation), Miss Doffing, 2.

Open to Juniors and Seniors.

- Latin XII, Teachers' Course in Caesar, (Prerequisite, Latin I, II, III, or equivalent preparation), Mr. Merchant, 5.

MATHEMATICS AND COMMERCIAL EDUCATION

SUB-COLLEGIATE COURSES—

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

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; Mr. Wester, 2-5.
- Solid Geometry, (3 hrs.), Mr. Watson, M. W. F. 3.
- Shorthand II, (Credit only on Commercial curriculums), Miss Gaffin, 5.
- Shorthand III, (Credit only on Commercial curriculums), Miss Gaffin, 1-3.

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

Calculus I, (Prerequisite, Analytical Geometry), Mr. Condit, 2.
Surveying, (3 hrs.), (Prerequisite, Mathematics II), Mr. Daugherty, M. W. 5 and 6 and F. 5.
Spherical Trigonometry, (2 hrs.), (Prerequisite, Mathematics II), Mr. Daugherty, Tu. Th. 5.
Statistical Measurement, (3 hrs.), Mr. Wester, M. W. F. 6.
Mathematics of Finance, (3 hrs.), Mr. Watson, M. W. F. 1.
Commercial Correspondence, Mr. Mach, 1.
Commercial Correspondence, (3 hrs.), Mr. Mach, M. W. F. 5.
Advertising, (2 hrs.), Mr. Mach, Tu. Th. 5.
Machine Accounting, (1 hr.), (Prerequisite, Elementary Bookkeeping), Mr. Mach, M. 7 and 1 hr. laboratory as arranged.
Secretarial Training, (3 hrs.), Miss Gaffin, M. W. F. 6.

Open to Juniors and Seniors.

Theory of Equations, (Prerequisite, Calculus I), Miss Lambert, 3.
Retail Merchandising, (3 hrs.), Mr. Mach, M. W. F. 3.
Salesmanship, (2 hrs.), Mr. Mach, Tu. Th. 3.
Teaching of Commercial Subjects, (Previous training in shorthand, typewriting and bookkeeping required), Mr. Skar, 4.

MUSIC

SUB-COLLEGIATE COURSE—

Elementary Music, Miss Mayfield, 4.

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

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

Open to Juniors and Seniors.

Music Supervision, (1 hr.), Mr. Fullerton, Tu. 5.
Music Appreciation I, (3 hrs.), Miss Starr, M. W. F. 5.

Open to all Students.

Normal Piano Methods, Miss Evans, Tu. Th. 6.

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, 6.
Physiology I (a), Mr. Abbott, daily 3 and M. W. 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 1 and M. W. 2; daily 3 and M. W. 4; daily 5 and Tu. Th. 6.
General Agriculture, Mr. Rath, daily 1 and Tu. Th. 2; Mr. Scott, daily 3 and M. W. 4. ..
Physiology I (b), (3 hrs.), Mr. Rath, M. W. F. 2-6.

Open to Freshmen, Sophomores and Juniors.

Principles of Geography I, Miss Aitchison, 1-5; Miss Uttley, 2-6; Miss Rigdon, 2-4.
Biology I (a), Mr. Abbott, daily 2 and M. W. 1; daily 6 and Tu. Th. 5.
Biology I (b), (3 hrs.), Mr. Lantz, M. W. 4 and Th. 3 and 4.
Botany I—General Botany, Mr. Clark, daily 2 and M. W. 1; daily 3 and M. W. 4.
Botany VI—Trees and Shrubs, (3 hrs.), Mr. Clark, Rec. M. or W. or F. 6. Laboratory: Tu. Th. 5 and 6.
Soils, (3 hrs.), Mr. Scott, M. W. F. 5 and W. 6.
Horticulture, (2 hrs.), Mr. Scott, Tu. Th. 5 and Th. 6.

Open to Sophomores, Juniors and Seniors.

Astronomy I, Mr. Cable, 3.
Meteorology, Mr. Cable, 5.
Geography of North America, Miss Uttley, 4.
Hygiene and Sanitation (a), Miss Swalwell, daily 2 and M. W. 1; daily 6 and M. W. 5.
Hygiene and Sanitation (b), (3 hrs.), Miss Swalwell, M. W. F. 4.
Heredity and Evolution, (3 hrs.), Mr. Lantz, M. W. F. 1.
Botany III—Plant Taxonomy, (Prerequisite, credit for botany

in high school or college), Mr. Lantz, daily 5 and M. W. 6.
Farm Poultry, (2 hrs.), Mr. Rath, Tu. Th. 4 and Th. 3.
Marketing Agricultural Products, (3 hrs.), Mr. Rath, M. W.
F. 4.

Open to Juniors and Seniors.

Conservation of Natural Resources, Miss Aitchison, 3.
Methods in Agriculture, Mr. Scott, 2.

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. 7 and 8.
Orchestra Conducting II, (1 hr.), (Prerequisite, Orchestra Conducting I), Miss Hopkins, W. 7 and 8.

Open to students in Cello.

Cello Ensemble, Mr. Searight, Sat. 2-3.

Open to students in Bass.

Bass Ensemble, Mr. Searight, M. 2; Th. 3; M. Th. 4.

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

String Ensemble, Mr. Kurtz, Tu. F. 5-7; 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. 5; 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. 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. Th. 7.
 2. The College Band, Mr. McCreary, director, Tu. F. 7.
 3. The Ladies Band, Mr. McCreary, director, M. Th. 7.

PHYSICAL EDUCATION

MEN

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

- Theory of Track I, (3 hrs.), Mr. Bender, daily 6 and 7.
- Theory of Baseball I, (3 hrs.), Mr. Mendenhall, daily 6 and 7.

Open to Juniors and Seniors.

- Theory of Baseball II, (3 hrs.), Mr. Whitford, daily 6 and 7.
- Theory of Swimming, (2 hrs.), Mr. Dickinson, daily 3.
- Theory of Track II, (3 hrs.), Mr. Dickinson, daily 6 and 7.
- Organization and Administration of Athletics, (2 hrs.), Mr. Mendenhall, Tu. Th. 2.

PHYSICAL TRAINING WORK—

- Beginning Baseball, Mr. Whitford, M. W. F. 3.
- Mass Athletics, Mr. Whitford, M. W. F. 4.
- Baseball, Mr. Whitford, M. W. F. 8.
- Golf, Mr. Dickinson, M. W. F. 4.
- Track, Mr. Dickinson, M. W. F. 8; Mr. Bender, M. W. F. 8.
- Beginning Track, Mr. Bender, M. W. F. 3.
- Floorwork, Mr. Bender, M. W. F. 4.
- Tennis, Mr. Mendenhall, M. W. F. 2-5.

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.

Open to Sophomores, Juniors and Seniors.

- Club Craft and Leadership, (2 hrs.), Mrs. Hoffman, Tu. Th. 2.
- History of Physical Education, (2 hrs.), Miss Humiston, Tu. Th. 1.
- Physical Education V. (3 hrs.), Miss Humiston, M. W. F. 3.
- Kinesiology, (3 hrs.), (Prerequisite, Anatomy I and II), Miss White, M. W. F. 1.
- Physical Department Administration, (3 hrs.), (Credit only for those who major in Physical Education or in Coaching and Athletics), Miss Wild, M. W. F. 2.

Open to Juniors and Seniors.

- Physiology of Exercise, (3 hrs.), (Prerequisite, Anatomy I and II and Physiology I (a)), (Credit only for those who major in Physical Education or in Coaching and Athletics), Dr. Mead, M. W. F. 1.

CLASS WORK IN PHYSICAL TRAINING FOR MAJOR STUDENTS

For Freshman Majors.

- Swimming, Miss Egan, M. W. 4.

Gymnastics, Miss Van Ness, M. W. 3.
Simple Team Games, Miss Wahle, Tu. Th. 3.
Dancing, Miss Wahle, Tu. Th. 4.

For Sophomore Majors.

Stunts, Miss Adams, Tu. Th. 7.
Baseball, Miss Humiston, M. W. 6.
Dancing, Miss Wild, Tu. Th. 6.

For Junior Majors.

Track, Miss Humiston, Tu. Th. 6.
Dramatic Games, Miss Wild, M. W. 5.
Dancing, Miss Wild, M. W. 6.

For Senior Majors:

Archery, Miss White, Tu. Th. 1.
Dancing, Miss Wild, Tu. Th. 5.

Note: Major Dancing classes are open to other students who are eligible.

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

First Physical Training, Miss Mueller, Tu. Th. F. 5.
Second Physical Training, Miss Wahle, M. W. F. 6.
Third Physical Training, Miss Adams, Tu. Th. F. 1; Miss Egan, M. W. F. 6; Mrs. Hoffman, M. W. F. 6; Tu. Th. F. 6; Miss Humiston, M. W. F. 4; Miss Michel, M. W. F. 5; Tu. Th. F. 5; Miss Moore, M. W. F. 3; Tu. Th. F. 3; Miss Van Ness, M. W. F. 2; Tu. Th. F. 2; Tu. Th. F. 4; Miss Wild, Tu. Th. F. 4.
Third Primary Physical Training, Miss Adams, M. W. F. 3; Miss Egan, Tu. Th. F. 2; Mrs. Hoffman, M. W. F. 5; Miss Michel, M. W. F. 4.
Beginning Swimming, Miss Egan, M. W. 2; Miss Michel, Tu. Th. 3; Miss Moore, Tu. Th. 4; Miss Mueller, Tu. Th. 1; M. W. 5; Tu. Th. 6.
First Intermediate Swimming, Miss Egan, M. W. 8; Miss Michel, M. W. 6.
Second Intermediate Swimming, Miss Egan, Tu. Th. 8.
Advanced Swimming, Miss Egan, Tu. Th. 7.
Life Saving, Miss White, M. W. 7.
Tennis, Miss Adams, Tu. Th. 2; Miss Mueller, M. W. 1; M. W. 4; M. W. 6; Miss Van Ness, Tu. Th. 3; M. W. 5; Tu. Th. 7; Tu. Th. 8.
Advanced Tennis, Miss Adams, Tu. Th. 6; M. W. 7; M. W. 8.
Archery, Miss Adams, M. W. 2; Tu. Th. 5; Miss Egan, Tu. Th. 3; Tu. Th. 6.
Clogging, Mrs. Hoffman, M. W. 7; Miss Moore, M. W. 8.
Advanced Clogging, Mrs. Hoffman, Tu. Th. 8.
Beginning Dancing, Mrs. Hoffman, Tu. Th. 7; Miss Wahle, Tu. Th. 8.
Intermediate Dancing, Mrs. Hoffman, M. W. 8.
Folk Dancing, Miss Wahle, M. W. 8; Tu. Th. 7.
Advanced Folk Dancing, Miss Van Ness, M. W. 8.
Golf, Miss Humiston, Tu. Th. 7 (3:40); Tu. Th. 7 (4:10); Tu. Th. 8 (4:40).

Baseball, Miss Michel, Tu. Th. 6; Tu. Th. 7; Miss Wahle, M. W. 7.

Track, Miss Michel, M. W. 7.

Note: Baseball will be offered as an Intermural sport this Spring.

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. 1 and M. W. 2.

Physics XXI—Applied Electricity and Magnetism, (Credit only on Manual Arts curriculums), (Prerequisite, high school physics), Mr. Kadesch, M. W. F. 5 and Tu. Th. 5 and 6.

Chemistry XVIII—Physiological Chemistry, (Credit only on the Physical Education curriculum), (Prerequisite, Chemistry XVII), Mr. Getchell, M. W. F. 5. Laboratory: Mr. Getchell, Tu. Th. F. 5 and 6; Mr. Read, Tu. Th. 7 and 8.

Open to Freshmen, Sophomores and Juniors.

Chemistry III—Chemistry of Metals and Qualitative Analysis, Mr. Getchell, Tu. Th. 3. Laboratory: Mr. Getchell, M. W. F. 3 and 4 or M. W. F. 5 and 6.

General Inorganic Chemistry I, Mr. Read, Tu. Th. F. 4. Laboratory: Mr. Hersey, M. W. 3 and 4.

Chemistry X—General Inorganic Chemistry, Mr. Read, M. W. F. 3. Laboratory: Mr. Hersey, Tu. Th. 3 and 4.

Open to Sophomores, Juniors and Seniors.

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 III—Sound and Light, (3 hrs.), (Prerequisite, Physics I or Physics A and B or equivalent preparation), Mr. Begeman, M. W. F. 3.

Physics IV—Laboratory Physics in Sound and Light, (2 hrs.), (Prerequisite, Physics I and II or Physics A and B), Mr. Begeman, Tu. Th. 3 and 4.

Physics XI—Alternating Currents, (2 hrs.), (Prerequisite, Physics I, II, V and VI or equivalent preparation), Mr. Kadesch, F. 3 and Th. 3 and 4.

Physics XII—Radio and Wireless, (3 hrs.), (Prerequisite, Physics I, V and VI. This course must be preceded or accompanied by Physics XI), Mr. Kadesch, M. W. 3 and Tu. 3 and 4.

Physics XVI—Household Physics, (3 hrs.), (Credit only on Home Economics curriculums), Mr. Hersey, Tu. Th. 5 and F. 5 and 6.

Chemistry XIII—Chemistry of Food and Nutrition, (Prerequisite, General Inorganic Chemistry and Course XII or IV), Mr. Reed, M. W. F. 1 and Tu. Th. 1 and 2.

Open to Juniors and Seniors.

Physics IX—Advanced Course in Electricity and Magnetism, (Prerequisite, Physics V and VI or equivalent preparation), Mr. Begeman, hours 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. 1-2-5; Miss Hatch, M. W. F. 3-4-6.

History and Teaching of the Bible, New Testament, (2 hrs.), Miss Hearst, Tu. Th. 1-2-5; Miss Hatch, Tu. Th. 3-4-6.

Open to Sophomores, Juniors and Seniors.

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

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

ROMANCE LANGUAGES

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Introductory French I, Miss Short, 2.

Introductory French II, Mr. Haddox, 1.

French III, (Prerequisite, one year of high school French or equivalent preparation), Mr. Lillehei, 2; Miss Thomes, 6; Mr. Haddox, 3; Miss Dyer, 1-2.

Introductory Spanish I, Miss Short, 1.

Spanish III, (Prerequisite, one year of high school Spanish or equivalent preparation), Miss Thomes, 2; Mr. Haddox, 5; Miss Dyer, 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 VI (a), (3 hrs.), Mr. Lillehei, M. W. F. 3-5.

French VI (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 VI (a), (3 hrs.), Miss Thomes, M. W. F. 4.

Spanish VI (b), (2 hrs.), Miss Thomes, Tu. Th. 4.

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. 4.

French IX (a), (3 hrs.), Miss Short, M. W. F. 5.

SOCIAL SCIENCE

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Rural Sociology, Mr. O'Neill, 4.
American History I, Mr. Gemmill, 2; Mr. Wallace, 1; Miss Riggs, 4; Mr. Wellborn, 2-6.
European History I, Miss Riggs, 6.

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

Corporation Finance and Investments, Mr. Thompson, 2.
Greek and Roman Civilization, Miss Hunter, 4.
Labor Problems, (3 hrs.), Miss Hunter, M. W. F. 5.
Social Problems, (2 hrs.), Miss Hunter, Tu. Th. 5.
Principles of Economics II, (Prerequisite, Principles of Economics I), Mr. O'Neill, 3.
General Sociology, Mr. O'Neill, 6.
Teaching the Social Sciences, (3 hrs.), Mr. Erbe, M. W. F. 2.
Political Parties and Leaders, (3 hrs.), Mr. Cook, M. W. F. 1.
Colonial Government, (2 hrs.), Mr. Cook, Tu. Th. 1.
American History II, Mr. Wallace, 5.
Diplomatic History of the United States, Mr. Wellborn, 1.

Open to Juniors and Seniors.

World Government and Politics, Mr. Robinson, 2.
Recent European History, Miss Riggs, 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), Miss Heinonen, M. W. F. 3-4; Mr. Jackson, M. W. F. 2.

Open to Freshmen and Sophomores.

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

Open to Sophomores, Juniors and Seniors.

Kindergarten Theory for Primary Teachers, (2 hrs.), (Credit only on the Primary curriculums), (Prerequisite, 15 hours in Psychology and Education), Miss Waters, M. Tu. W. Th. 5-6.

Child Development, (Prerequisite, Psychology I), Miss Mumery, 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.