IOWA STATE TEACHERS COLLEGE

PROGRAM OF RECITATIONS

SPRING TERM, 1930

Registration

Monday, March 10

Order of Enrollment.

Group 1, A to B inclusive..........................7:30 to 8:00 a. m.
C to G inclusive.................................8:00 to 9:00 a. m.
Group 2, H to O inclusive........................9:00 to 11:00 a. m.
Group 3, P to Z inclusive......................1:00 to 3:00 p. m.

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 Winter 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, a blank for the registration statement, 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. Fill out the registration statement.
9. File with the Receiving Committee the approved registration card and the registration statement and secure an exit card.
10. Retain the approved class card. The class card is to be shown to each instructor at the first recitation after registration.
11. 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 a blank for the registration statement.
4. Present to your adviser for inspection your statements of credit 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, the registration statement, 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 registration below 10 hours the student must secure the approval of the Dean of Women or the Dean of Men.
6. Applied Music (Piano, Organ, Voice, Violin, and other orchestral instruments) may not be dropped without the approval of the Dean of Women or the Dean of Men.

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, 1929. 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 1-4.
Wood Turning, (2 hrs.), Mr. Brown, M. Tu. W. Th. 5-6; Mr. Palmer, Tu. Th. 1 and 2; Tu. Th. 3 and 4.
Primary Drawing I, (2 hrs.), (Credit only on primary and kindergarten curriculums), Miss Conlon, daily 2-5.
Primary Drawing II, (3 hrs.), (Credit only on primary and kindergarten curriculums), (Prerequisite, Primary Drawing I or equivalent preparation), Miss Thornton, daily 2-4; Miss Cole, daily 3-5.
Perspective, (2½ hrs.), Miss Thornton, daily 5.
Applied Design, (3 hrs.), (Credit only on home economics curriculums), (Prerequisite, Drawing and Design), Miss Patt, daily 3.
Water Color, (2½ hrs.), (Prerequisite, Drawing I and General Design or equivalent preparation), Miss Patt, daily 4.
Primary Handwork, (3 hrs.), (Credit only on primary and consolidated school curriculums and for those whose major is normal training high school critic work), Miss Conlon, daily 3; Mrs. Branagan, daily 6.

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

Open to Sophomores, Juniors, and Seniors.

Sheet Metal Work II, (2½ hrs.), (Prerequisite, Sheet Metal Work I or equivalent preparation), Mr. Brown, daily 1-4.
Woodwork IV, (Prerequisite, Woodwork I, II, III), Mr. Brown, daily 5 and 6.
Art Appreciation, Miss Thornton, 1.
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. 1 and 2.  
Economics of Manual Arts, (2 hrs.), Mr. Bailey, Tu. Th. 1.  
Advanced Cabinet Making, (Prerequisite, Woodwork I, II, III, IV), Mr. Brown, daily 5 and 6.  
Pictorial Composition, (2½ hrs.), (Prerequisite, Drawing I and II or equivalent preparation), Miss Patt, daily 5.  
Interior Decoration, (2½ hrs.), (Prerequisite, one term of drawing or equivalent preparation), Miss Schuneman, daily 6.  

PSYCHOLOGY, EDUCATION, AND RURAL EDUCATION  

COLLEGIATE COURSES—  

Open to Freshmen and Sophomores.  

Psychology I, Mr. Brown, 1-3; Mr. Hoyt, 2; Mr. Wiley, 4-5.  
(Primary Methods) Language and Literature, (Credit only on primary curriculums and for those whose major is normal training high school critic work), Miss Arey, 2-3-5.  
(Primary Methods) Principles in Fundamentals, (Credit only on primary and kindergarten curriculums and for those whose major is normal training high school critic work), Miss Smith, 2-3.  
Management and Measurements, Mr. Buffum, 5; Mr. Hoyt, 3; Mr. Phillips, 4-6; Mr. Wilcox, 6.  
Social Development, (Prerequisite, Psychology I), Mr. Riebe, 3-5.  
Child Psychology, (Prerequisite, Psychology I), Mr. Denny, 5; Mr. Phillips, 2; Mr. Todd, 6; Mr. Wilcox, 4.  
Elementary School Methods, (Prerequisite, Psychology I), (This course must be taken by students on the elementary teacher curriculum while taking the first term of Teaching and may not be taken by such students before that time), Mr. Todd, 3-4; Mr. Riebe, 1.  
Rural School Methods, Miss Wilmarth, 2.  
Didactics I, Mr. Cram, 1.  
Rural Teaching, (3 hrs.), (Credit only on the rural teacher curriculum, the consolidated school curriculum, and for those whose major is normal training high school critic work or consolidated school education), (Illustrative Teaching must precede or accompany this course), Miss Scanlon, M. W. 5, 6, and 7; Tu. Th. 5, 6, and 7; Mr. Cram M. W. 5, 6, and 7; Tu. Th. 5, 6, and 7; Miss Wilmarth, M. W. 5, 6, and 7; Tu. Th. 5, 6, and 7.  

Open to Freshmen, Sophomores, and Juniors.  

Educational Tests and Measurements for Elementary Teachers, (3 hrs.), (Prerequisite, Psychology I), Mr. Brown, M. W. F. 5; Mr. Denny, M. W. F. 1.  
Mental Tests, (2 hrs.), (Prerequisite, Psychology I), Mr. Brown, Tu. Th. 5; Mr. Denny, Tu. Th. 1.  
History and Principles of Education, (Prerequisite, Psychology I), Mr. Goetch, 2; Mr. Hoyt, 5; Mr. Paul, 1-2.
Open to Sophomores, Juniors, and Seniors on Degree Curriculums and on the Art, Manual Arts, Home Economics, Commercial Teacher, and Public School Music Teacher Curriculums.

- Psychology of Adolescence, (Prerequisite, Psychology I), Mr. Charles, 1; Mr. Wilcox, 3.

Open to Sophomores, Juniors, and Seniors.

- History of American Education, (Prerequisite, Psychology I), Mr. Hollingsworth, 2.
- History of Education, (Prerequisite, Psychology I), Mr. Hollingsworth, 5-6.
- The Consolidated School and Country Life, Mr. Eells, 4; Mr. Cram, 3.

Open to Juniors and Seniors.

- School Administration and Supervision, (Prerequisite, Psychology I), Mr. Buffum, 1-3.
- Philosophy of Education, (Prerequisite, Psychology I), Mr. Walters, 1-4.
- The High School, (Prerequisite, Psychology I), Mr. Charles, 2-5.
- Social Psychology, (Prerequisite, Psychology I), Mr. Denny, 2.
- Logic, (3 hrs.), (Prerequisite, Psychology I), Mr. Finkenbinder, M. W. F. 4.
- Ethics, (2 hrs.), (Prerequisite, Psychology I), Mr. Finkenbinder, Tu. Th. 4.
- The Primary Curriculum, (Credit only for those whose major is primary or kindergarten education), Miss Smith, 6.
- 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.
- Special Methods in the Common Branches, (Prerequisite, Psychology 10 hours), Miss Wilmarth, 3.

ENGLISH

COLLEGIATE COURSES—

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

- English I, Miss Rohlf, Miss Slattery, 1; Mr. Fagan, Miss Slattery, 2; Miss Buxbaum, 3; Miss Toms, 4; Miss Toms, Mr. Halvorson, 6.

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

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

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

- Public Speaking, Mr. Lynch, 1; Mr. Brindley, 2-3-6.
- Description and Narration, Miss Terry, 5.
Oral Interpretation I, Miss Tuttle, 1-2; Miss Berkstresser, 3-4.
Oral Interpretation II, (Prerequisite, Oral Interpretation I or equivalent preparation), Miss Strayer, 3; Miss Tuttle, 4.

Open to Sophomores, Juniors, and Seniors. (Prerequisite, English I.)
Modern European Drama, (3 hrs.), Miss Lambert, M. W. F. 2.
American Drama, (2 hrs.), Miss Lambert, Tu. Th. 2.
Recent English Prose, (3 hrs.), Miss Lambert, M. W. F. 5.
Recent English Poets, (2 hrs.), Miss Lambert, Tu. Th. 5.
The English Romantic Movement, Miss Terry, 1.
The Development of the English Novel, Miss Slattery, 5.
Advanced Exposition, Miss Buxbaum, 4.
Middle English, Mr. Halvorson, 3.
History of the English Language, (2 hrs.), Mr. Halvorson, Tu. Th. 4.
Editorial Writing, (3 hrs.), Mr. Holmes, M. W. F. 3.

Open to Juniors and Seniors. (Prerequisite, English I.)
The Essay, Mr. Fagan, 1.
The Technique of Poetry, Miss Terry, 2.
Professional Interpretation, Miss Strayer, 2.
History of English Literature, Mr. Lynch, 3.

HOME ECONOMICS

COLLEGIATE COURSES—

Open to Freshmen, Sophomores, and Juniors.
Home and Community Hygiene, (3 hrs.), Miss Leggett, M. W. F. 2; Miss Dillon, M. W. F. 4.
The School Lunch, (3 hrs.), (Not credit on a home economics curriculum), Miss Dillon, daily 3.
Food Preparation I, (Chemistry XI, or equivalent preparation must precede or accompany this course), Miss Overn, M. W. F. 5; M. W. F. 2. Laboratory: Miss Leggett, Tu. Th. 5 and 6; Miss Overn, Tu. Th. 1 and 2.
Food Preparation II, (Prerequisite, Chemistry X and XI and Food Preparation I or equivalent preparation), Miss Overn, M. W. F. 3. Laboratory: Miss Leggett, Tu. Th. 3 and 4.
Clothing II, (4 hrs.), (Prerequisite, Clothing I or equivalent preparation), Miss Allen, Tu. 2 and M. W. F. 1 and 2; Tu. 4 and M. W. F. 3 and 4; Miss Dillon, Tu. 5 and M. W. F. 5 and 6.

Open to Sophomores, Juniors, and Seniors.
Child Care, (2 hrs.), Miss Leggett, Tu. Th. 2.
Millinery, (2 hrs.), (Prerequisite, Applied Design or equivalent preparation), Miss Dillon, Tu. Th. 1 and 2.
House Planning, (3 hrs.), (Prerequisite, Drawing and Design), Miss Leggett, M. W. F. 4.

Open to Juniors and Seniors.
Applied Dress Design, (3 hrs.), (Prerequisite, Costume Design), Miss Allen, Tu. Th. 5, 6, and 7.
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. Chemistry XIII must precede or accompany this course), Miss Overn, F. 6 and M. W. 6 and 7.

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, 6.
Elementary Latin VI, Vergil’s Aeneid II, Miss Miller, 4.
Latin III, Epodes and Odes of Horace, Miss Miller, 3.
German I, Mr. Schaefer, 4.
German II, Miss Doffing, 2.
German III, Short Stories, (Prerequisite, one year of high school German or equivalent preparation), Miss Doffing, 1; Mr. Schaefer, 3.

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, 6.

German VII, Scientific German, (Prerequisite, German IV or equivalent preparation), Mr. Schaefer, 2.

Open to Sophomores, Juniors, and Seniors.
Latin IV, Latin Composition, (Prerequisite, Latin I, II, III), Mr. Merchant, 6.
Greek III, Mr. Merchant, 2.

Open to Juniors and Seniors.
Latin IX, The Captivi of Plautus, (3 hrs.), (Prerequisite, Latin I, II, III), Mr. Merchant, M. W. F. 5.
Latin IX, The Annals of Tacitus, (2 hrs.), (Prerequisite, Latin I, II, III), Mr. Merchant, Tu. Th. 5.

German XI, Lessing, (Prerequisite, German IV and 10 hours from German V to X), Miss Doffing, 5.

MATHEMATICS AND COMMERCIAL EDUCATION

SUB-COLLEGIATE COURSES—

First Pennmanship, Mr. Cummins, 1-4.
Advanced Pennmanship, Mr. Cummins, 6.
First Typewriting, Miss Myers, 2-5.
Second Typewriting, Miss Myers, 1.
Third Typewriting, Miss Myers, 4.
COLLEGIATE COURSES—

Open to Freshmen and Sophomores.
Principles of Elementary Mathematics, (Credit only on the kindergarten, primary, elementary teacher, and consolidated school curriculums and for those whose major is normal training high school critic work and for those whose major or minor is mathematics), Mr. Condit, 2-3; Mr. Wester, 5.
Shorthand II, (Credit only on commercial education curriculums), Miss Gaffin, 2.

Open to Freshmen, Sophomores, and Juniors.
Mathematics I, Miss Wattawa, 1-6.
Mathematics II, (Prerequisite, Mathematics I), Mr. Watson, 2.
Accounting I, (Prerequisite, Accounting A or equivalent preparation), Mr. Cummins, 3.
Accounting II, Mr. Mach, 6; Mr. Skar, 3.
Analytical Geometry, (Prerequisite, Mathematics II), Miss Wattawa, 4.

Open to Sophomores, Juniors, and Seniors.
Shorthand III, (Credit only on commercial education curriculums), Miss Gaffin, 3-6.
Calculus II, Mr. Wester, 3.
Modern Geometry, (3 hrs.), Mr. Watson, M. W. F. 4.
Spherical Trigonometry, (2 hrs.), (Prerequisite, Mathematics II), Mr. Watson, Tu. Th. 6.
Surveying, (3 hrs.), (Prerequisite, Mathematics II), Mr. Watson, F. 6 and M. W. F. 6 and 7.
Commercial Correspondence, (3 hrs.), Mr. Mach, M. W. F. 2.
Advertising, (2 hrs.), Mr. Mach, Tu. Th. 2.
Machine Accounting, (1 hr.), (Prerequisite, Elementary Bookkeeping), Mr. Mach, M. 7, and one hour laboratory as arranged.
Secretarial Training, (3 hrs.), Miss Gaffin, M. W. F. 5.
Commercial Law, Mr. Skar, 1.

Open to Juniors and Seniors.
Theory of Equations, (Prerequisite, Calculus I), Mr. Wester, 1.
Differential Equations, (3 hrs.), (Prerequisite, Calculus II), Mr. Watson, M. W. F. 5.
Retail Merchandising, (3 hrs.), Mr. Mach, M. W. F. 4.
Salesmanship, (2 hrs.), Mr. Mach, Tu. Th. 4.
Teaching of Commercial Subjects, (Prerequisite, previous training in shorthand, typewriting, and bookkeeping), Mr. Skar, 5.

NOTE
A class in First Plane Geometry for college entrance credit will be offered in the Teachers College High School: Miss Kearney, 5.
MUSIC

COLLEGIATE COURSES—

Open to Freshmen, Sophomores, and Juniors.

First Music, (2 hrs.), (Not credit on the public school music curriculums), Mr. Kauffman, daily 3-5; Miss Barker, daily 2; Mr. Hays, daily 4.
Primary and Kindergarten Music, (3 hrs.), (Not credit on the public school music curriculums), (Prerequisite, First Music or equivalent preparation), Miss Mayfield, daily 4; Mrs. Schmidt, daily 1.
Music for Upper Grades, (3 hrs.), (Not credit on the public school music curriculums), (Prerequisite, First Music or equivalent preparation), Mr. Fullerton, daily 4; Mr. Kauffman, daily 2; Miss Mayfield, daily 1; Mr. Hays, daily 3.
Theory of Music, (3 hrs.), Mr. Fullerton, M. W. F. 3.
Sight Singing, Miss Mayfield, 2.

Open to Sophomores, Juniors, and Seniors.

Harmony II, (3 hrs.), Miss Ruegnitz, M. W. F. 3.
Harmony III, (3 hrs.), Miss Ruegnitz, M. W. F. 2.
History of Music I, (2 hrs.), Mr. Richman, Tu. Th. 6.
History of Music II, (3 hrs.), Mr. Richman, M. W. F. 1.

Open to Juniors and Seniors.

Music Supervision, (1 hr.), Mr. Fullerton, Tu. 5.
Harmony IV, (3 hrs.), Miss Ruegnitz, M. W. F. 1.
History of Music III, (2 hrs.), Mr. Richman, Tu. Th. 1.
Counterpoint III, (2 hrs.), (Prerequisite, Harmony IV), Miss Evans, Tu. Th. 6.

NATURAL SCIENCE

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Physiology I (a), Mr. Abbott, daily 4 and M. W. 3; Mr. Rath, daily 2 and Tu. Th. 1; daily 3 and Tu. Th. 4.
Nature Study, (Credit only on the kindergarten, primary, elementary teacher and consolidated school curriculums and for those whose major is normal training high school critic work), Mr. Lantz, daily 2 and M. W. 1; Mr. Clark, daily 3 and Tu. Th. 4; daily 5 and Tu. Th. 6.

Open to Freshmen, Sophomores, and Juniors.

Elements of Geography I, Miss Aitchison, 3-5; Miss Uttley, 1-6.
Biology I (a), Mr. Abbott, daily 6 and Tu. Th. 5.
Biology I (b), (3 hrs.), Mr. Abbott, M. W. F. 1 and W. 2.
Botany I, General College Botany, Mr. Clark, daily 1 and M. W. 2.
Soils, (3 hrs.), Mr. Scott, M. W. F. 5 and W. 6.
Horticulture, (2 hrs.), Mr. Scott, Tu. Th. 5 and Tu. 6.
Open to Sophomores, Juniors, and Seniors.

Astronomy I, Mr. Cable, 1.
Climatology, Mr. Cable, 3.
Elements of Geography II, (Prerequisite, Elements of Geography I), Miss Uttley, 4.
Hygiene and Sanitation (a), Mr. Rath, daily 5 and Tu. Th. 6; daily 5 and M. W. 6; Miss Swalwell, daily 2 and M. W. 1; daily 3 and M. W. 4.
Hygiene and Sanitation (b), (3 hrs.), Miss Swalwell, M. W. F. 6.
Heredity, (3 hrs.), Mr. Lantz, M. W. F. 4.
Organic Evolution, (2 hrs.), Mr. Lantz, Tu. Th. 4.
Farm Poultry, (2 hrs.), Mr. Scott, Tu. Th. 3 and Tu. 4.
Marketing Agricultural Products, (3 hrs.), Mr. Scott, M. W. F. 3.

Open to Juniors and Seniors.

Conservation of Natural Resources, Miss Aitchison, 2.
Botany V, Plant Physiology, (Prerequisite, General College Botany), Mr. Lantz, daily 6 and Tu. Th. 5.
Methods in Agriculture, Mr. Scott, 2.

ORCHESTRAL MUSIC

COLLEGIATE COURSES——

Open to Sophomores, Juniors, and Seniors.

Orchestra Conducting II, (1 hr.), (Prerequisite, Orchestra Conducting I, or equivalent preparation), Mr. Hill, Tu. Th. 6.
Orchestra Conducting III, (1 hr.), (Prerequisite, Orchestra Conducting II or equivalent preparation), Mr. Hill, Tu. Th. 2.

Open to students in Bass.

Bass Ensemble, Mr. Streed, Tu. Th. 3; Tu. Th. 4; Tu. Th. 5.

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

String Ensemble, Mr. Kurtz, Tu. Th. 6; Tu. Th. 7; Mr. Streed, Tu. W. Th. F. 6; Tu. Th. 7; M. Tu. 8.

Open to Public School Music Students.

First Supervisors Violin, (drill credit), Mr. Hill, Tu. Th. 4.
Second Supervisors Violin, (drill credit), (Prerequisite, First Supervisors Violin or equivalent preparation), Mr. Hill, Tu. Th. 5.
Third Supervisors Violin, (drill credit), (Prerequisite, Second Supervisors Violin), Mr. Hill, Tu. Th. 3.

Open to students of reed and brass instruments.

Band Masters Course, (drill credit), (Prerequisite, private instruction on a wind instrument for at least thirty-six weeks or brass and wood-wind ensemble for thirty-six weeks. One private lesson per week on one of the fundamental
reed or brass instruments must accompany this course),
Mr. Russell, Tu. Th. 3.
Wood Ensemble, Mr. Russell, W. 3; M. W. 5; Tu. Th. F. 6.
Brass Ensemble, Mr. Ball, M. F. 5; F. 6; M. F. 8.

Open to students in Cello.
Cello Ensemble, Mr. Streed, W. 4; W. 5.
Cello-Bass Ensemble, Mr. Streed, W. 7.

Private Instruction, (1 hr.), hours to be arranged.
Violin, Mr. Kurtz, Mr. Hill.
Viola, Mr. Hill.
Wood Wind Instruments, Mr. Russell.
Brass Instruments, Mr. Ball.
Cello, Mr. Streed.
Bass, Mr. Streed.

Notes:
The College Orchestra, Mr. Kurtz, director, M. W. F. 7.
The College Band, Mr. Russell, director, M. W. F. 8.
The Ladies Band, Mr. Russell, director, Tu. Th. 7.
The Orchestra Club, Mr. Hill, Tu. 8.
The String Quartette, Mr. Kurtz, daily 1.

PHYSICAL EDUCATION

Men

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.
Theory of Baseball I, (3 hrs.), Mr. Mendenhall, daily 6 and 7.
Theory of Track I, (3 hrs.), Mr. Bender, daily 6 and 7.

Open to Juniors and Seniors.
Theory of Baseball II, (3 hrs.), Mr. Whitford, daily 6 and 7.
Theory of Mass Athletics, (2 hrs.), Mr. Whitford, daily 4.
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.
Baseball Team, Mr. Whitford, M. W. F. 8.
Golf, Mr. Dickinson, M. W. F. 4.
Beginning Track, Mr. Bender, M. W. F. 4.
Track, Mr. Bender, M. W. F. 8.
Track Team, Mr. Dickinson, M. W. F. 8.
Tennis, Mr. Mendenhall, M. W. F. 2; M. W. F. 5.
Tennis Team, Mr. Mendenhall, M. W. F. 8.

Women

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.
Play and Playground, (3 hrs.), (Not credit for those whose major is physical education), Miss White, 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.
Physical Education II, (Credit only for those whose major is physical education or coaching and athletics), Miss White, 2.
Physical Education V, (3 hrs.), Miss Humiston, M. W. F. 5.
History of Physical Education, (2 hrs.), Miss Humiston, Tu. Th. 1.
Kinesiology, (3 hrs.), (Prerequisite, Anatomy I and II), Miss White, M. W. F. 1.

Open to Juniors and Seniors.
Physical Department Administration, (8 hrs.), (Credit only for those whose major is physical education or coaching and athletics), Miss White, M. W. F. 4.
Physiology of Exercise, (3 hrs.), (Credit only for those whose major is physical education or coaching and athletics), (Prerequisite, Anatomy I and II and Physiology I (a)). Dr. Mead, M. W. F. 2.

Class Work in Physical Training for Major Students.

For Freshmen Majors:
Country Dancing, Miss Short, M. W. 3.
Simple Team Games, Miss Adams, Tu. Th. 3.
Beginning Swimming, Miss Short, M. W. 4.
Second Dancing, Mrs. Hoffman, Tu. Th. 4.

For Sophomore Majors:
Fourth Dancing, Mrs. Hoffman, M. W. 5.
Games, Miss White, Tu. Th. 6.
Baseball, Miss Michel, M. W. 6.
Swimming according to classification.

For Junior Majors:
Stunts, Miss Adams, Tu. Th. 4.
Physical Education V Technique, Miss Humiston, Tu. Th. 5.
Track, Miss Humiston, M. W. 6.
Fifth Dancing, Mrs. Hoffman, Tu. Th. 6.

For Senior Majors:
Golf, Miss Humiston, M. W. 7.
Swimming according to classification.
Fifth Dancing or a sport.

General Class Work in Physical Training for Women is Tentatively Planned as Follows:

Note 1: All freshmen who are taking their first, second, or third term, schedule for Volley Ball, Baseball, Games and Athletics, or Tennis in a class that meets three days a week.

Note 2: Those who are entering the college for the first time get an appointment for a physical examination when scheduling for physical training.

Note 3: Any student may schedule for two classes in physical training. The second class will not count for credit toward graduation.

Volley Ball, Miss Adams, Tu. Th. F. 1; Miss Kolling, M. W. 8; Miss Meares, M. W. F. 4; Miss Moore, Tu. Th. F. 2; Miss Short, M. W. F. 5.
Beginning Archery, Miss Adams, M. W. F. 4; Miss Kolling, M. W. F. 1.
Advanced Archery, Miss Adams, M. W. F. 2; M. W. 5; M. W. 7; Miss Kolling, Tu. Th. F. 3; Tu. Th. 4; Tu. Th. 6.
Beginning Tennis, Miss Meares, M. W. 1; Tu. Th. F. 2; Miss Michel, M. W. F. 4; Tu. Th. F. 5.
Intermediate Tennis, Miss Adams, M. W. F. 6; Miss Meares, Tu. Th. F. 1; M. W. 2; M. W. F. 3; Tu. Th. 3; Miss Short, M. W. 7.
Advanced Tennis, Miss Adams, Tu. Th. 6; Tu. Th. 7.
Games and Athletics for Elementary Grades and Junior High School, Mrs. Hoffman, M. W. F. 3; M. W. F. 4; Miss Kolling, M. W. F. 2; Miss Short, Tu. Th. F. 5.
Games, Miss White, Tu. Th. 6.
First Dancing, Mrs. Hoffman, M. W. 7.
Second Dancing, Mrs. Hoffman, Tu. Th. 7.
Fourth Dancing, Mrs. Hoffman, M. W. 5.
Fifth Dancing, Mrs. Hoffman, Tu. Th. 6.
Folk Dancing, Miss Moore, M. W. 8; Miss Short, Tu. Th. 7.
Advanced Folk Dancing, Miss Short, Tu. Th. 8.
Beginning Clogging, Miss Moore, Tu. Th. 8.
Advanced Clogging, Miss Short, M. W. 8.
Baseball, Miss Humiston, Tu. Th. F. 3; Tu. Th. F. 6; Miss Kolling, M. W. F. 5; Tu. Th. 7; Miss Michel, Tu. Th. F. 2; Miss Moore, M. W. F. 1; Tu. Th. F. 4.
Golf, Miss Humiston, M. W. 8.
Beginning Swimming, Miss Meares, Tu. Th. 5; Miss Kolling, M. W. 6; Miss Moore, Tu. Th. 1; Miss Short, Tu. Th. 2.
First Intermediate Swimming, Miss Meares, M. W. 5; Tu. Th. 8; Miss Short, Tu. Th. 4.
Second Intermediate Swimming, Miss Michel, Tu. Th. 6; M. W. 7.
Advanced Swimming, Miss Michel, Tu. Th. 7.
Life Saving, Mrs. Pettit, M. W. 8.

PHYSICS AND CHEMISTRY

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Physics XIII, Everyday Physical Science, (Credit only on kindergarten, primary, elementary teacher, and consolidated school curriculums), Mr. Begeman, M. Tu. Th. F. 1. Laboratory: Mr. Hersey, M. W. 2; M. W. 6.
Chemistry XVIII, Physiological Chemistry, (Credit only on the physical education curriculum), (Prerequisite, Chemistry XVII), Mr. Read, M. W. F. 5. Laboratory: Mr. Read, Tu. Th. 5 and 6; Mr. Hersey, Tu. Th. 7 and 8.

Open to Freshmen, Sophomores, and Juniors.

Physics I, Mechanics, (3 hrs.), (Prerequisite, high school physics or equivalent preparation), (No credit for those who have had Physics A), Mr. Kadesch, M. W. F. 2.
Physics II, Laboratory Physics in Mechanics, (2 hrs.), (No credit for those who have had Physics A), Mr. Kadesch, Tu. Th. 1 and 2.
Physics III. Sound and Light, (3 hrs.), (Prerequisite, Physics
1 or Physics A and B or equivalent preparation), Mr. Beggeman, 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. Beggeman, Tu. Th. 3 and 4.

General Inorganic Chemistry I, Mr. Read, M. W. F. 2. Laboratory: Mr. Hersey, Tu. Th. 1 and 2.

Chemistry III, Chemistry of Metals and Qualitative Analysis, Mr. Murphy, daily 3 and M. W. F. 4.

Open to Sophomores, Juniors, and Seniors.

Physics XI, Alternating Currents, (2 hrs.), (Prerequisite, Physics I, II, V, and VI or equivalent preparation), Mr. Kadesch, M. 5 and Tu. 5 and 6.

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, W. F. 6 and Th. 5 and 6.

Physics XVI, Household Physics, (3 hrs.), (Credit only on home economics curriculums), Mr. Hersey, M. W. F. 3.

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

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

Chemistry IX, Special Laboratory Course, Mr. Murphy, hours as arranged.

Chemistry XIII, Chemistry of Food and Nutrition, (Prerequisite, Organic Chemistry), Mr. Read, daily 4 and Tu. Th. 3.

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), Mr. Beggeman, hours as arranged.

RELIGIOUS EDUCATION

COLLEGIATE COURSES—

Open to Freshmen, Sophomores, and Juniors.

Bible as Literature, (3 hrs.), Miss Hatch, M. W. F. 3; M. W. F. 4.

The Synoptic Life of Jesus, (2 hrs.), Miss Hatch, Tu. Th. 3; Tu. Th. 4; Dr. Hanson, Tu. Th. 2; Fr. Wieneke, M. W. 6.

Open to Sophomores, Juniors, and Seniors.

Origin of Biblical Literature, (3 hrs.), Miss Hatch, M. W. F. 5.

Technique of Instruction in Religious Education, (2 hrs.), Miss Hatch, Tu. Th. 5.

Biblical Ethics, (3 hrs.), Dr. Hanson, M. W. F. 1.

The Rise and Development of Judaism, (3 hrs.), Dr. Hanson, M. W. F. 2.

The Gospel of John, (2 hrs.), (Prerequisite, The Synoptic Life of Jesus), Dr. Hanson, Tu. Th. 1.

COLLEGIATE COURSES—

ROMANCE LANGUAGES

Open to Freshmen, Sophomores, and Juniors.

French I, Miss Short, 3.
French II, Miss Dyer, 5.
French III, (Prerequisite, one year of high school French or equivalent preparation), Miss Thomes, 6; Mr. Haddox, 3; Miss Dyer, 1; Miss Short, 2.

Spanish I, Mr. Haddox, 1.
Spanish III, (Prerequisite, one year of high school Spanish or equivalent preparation), Miss Thomes, 2; Mr. Haddox, 6.

Open to Sophomores, Juniors, and Seniors.

Italian III, Mr. Lillehei, 2.

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

French VI (a), (3 hrs.), Mr. Lillehei, M. W. F. 3; M. W. F. 5.
French VI (b), (2 hrs.), Mr. Lillehei, Tu. Th. 3; Tu. Th. 5.

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

Spanish VI (a), (3 hrs.), Miss Thomes, M. W. F. 4.
Spanish VI (b), (2 hrs.), Miss Thomes, Tu. Th. 4.

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

French IX (a), (3 hrs.), Miss Short, M. W. F. 5.
French IX (b), (2 hrs.), Miss Short, Tu. Th. 5.
French XV, (2 hrs.), Miss Dyer, Tu. Th. 3.

SOCIAL SCIENCE

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

American History I, Mr. Fahrney, 2; Mr. Wallace, 3; Mr. Wellborn, 5.

European History I, Miss Riggs, 6.

Rural Sociology, Mr. Tascher, 6.

Open to Freshmen, Sophomores, and Juniors.

Principles of Economics I, Miss Hunter, 1-2; Mr. O'Neill, 4.
American Government, Mr. Erbe, 1-5; Mr. Tascher, 1-4; Mr. Fahrney, 3-5; Mr. Robinson, 6.

European History II, Miss Riggs, 4.
American Colonial History, (3 hrs.), Mr. Wallace, M. W. F. 1.

History of Iowa, (2 hrs.), Mr. Wallace, Tu. Th. 1.
Principles of Political Science, (3 hrs.), Mr. Robinson, M. W. F. 3.

Parliamentary Law and Practice, (1 hr.), Mr. Robinson, Th. 5.

Open to Sophomores, Juniors, and Seniors.

Corporation Finance and Investments, Mr. Thompson, 2.

Principles of Economics II, (Prerequisite, Principles of Economics I), Mr. O'Neill, 3.

General Sociology, Mr. O'Neill, 6.
American Political Theories, (2 hrs.), Mr. Robinson, Tu. Th. 3.
Modern European Governments, Mr. Erbe, 4.
American History II, Mr. Wallace, 5.
Diplomatic History of the United States, Mr. Wellborn, 2.

Open to Juniors and Seniors.
Population, (3 hrs.), Mr. Thompson, M. W. F. 4.
Insurance, (2 hrs.), Mr. Thompson, Tu. Th. 4.
World Government and Politics, Mr. Robinson, 2.
Recent European History, Miss Riggs, 3.
History of the West, Mr. Wellborn, 1.
Crime and Poverty, Miss Hunter, 5.

TEACHING

COLLEGIATE COURSES—

Illustrative Teaching, (Credit required), (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; Miss Caldwell, M. W. F. 4; Miss Hendrick, M. W. F. 4.

Open to Freshmen and Sophomores.
Primary Illustrative Teaching, (2 hrs.), (Credit only on the primary and kindergarten curriculums), (Prerequisite, Psychology I), Miss Rait, M. Tu. W. Th. 3.

Kindergarten Theory III, (2 hrs.), (Credit only on the kindergarten curriculums), Miss Hardie, daily 4.

Open to Freshmen, Sophomores, and Juniors.
Child Development, (Prerequisite, Psychology I), Miss Kirkwood, 6.

Open to Sophomores, Juniors, and Seniors.
Kindergarten Theory for Primary Teachers, (2 hrs.), (Credit only on primary curriculums), (Prerequisite, 15 hours in psychology and education), Miss Findley, M. Tu. W. Th. 5.

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.