Iowa State Teachers College Program of Recitations, Winter 1929-1930

Iowa State Teachers College

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Registration.

Order of Enrollment.

Group 3, P to R inclusive .................. 7:30 to 8:00 a. m.
S to Z inclusive ........................... 8:00 to 9:00 a. m.
Group 1, A to G inclusive .................. 9:00 to 11:00 a. m.
Group 2, H to O 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 Fall term.

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

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

B. To students registering on enrollment day.

1. Pay the required fees to the Financial Secretary.
2. Fill out the enrollment blank.
3. Secure from the Registrar a registration card and a class card, 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.

Wood Turning, (2 hrs.), Mr. Palmer, Tu. Th. 3 and 4; Tu. Th. 5 and 6.
Primary Drawing I, (2 hrs.), (Credit only on primary and kinder-
garten curriculums), Miss Thornton, daily 2; Miss Schuneman, daily 2-3; Miss Conlon, daily 3-4; Mrs. Branagan, daily 1.

Primary Drawing II, (3 hrs.), (Credit only on primary and kindergarten curriculums), (Prerequisite, Primary Drawing I or equivalent preparation), Miss Thornton, daily 6; Miss Conlon, daily 1; Mrs. Branagan, daily 5.

Drawing and Design, (3 hrs.), (Credit only on home economics curriculums), Miss Patt, daily 5.

Applied Design, (3 hrs.), (Credit only on home economics curriculums), (Prerequisite, Drawing and Design), Miss Patt, daily 6.

Primary Handwork, (3 hrs.), (Credit only on primary and consolidated school curriculums and for those who major in normal training high school critic work), Miss Conlon, daily 5; Mrs. Branagan, daily 2-4.

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; Mr. Palmer, M. W. F. 5 and 6.
Mechanical Drawing III, (3 hrs.), (Prerequisite, Mechanical Drawing I and II), Mr. Bailey, M. W. F. 3 and 4.
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; Tu. Th. 5 and 6.
Woodwork III, (2 hrs.), (Prerequisite, Woodwork I and II), Mr. Palmer, Tu. Th. 3 and 4.
Drawing I, (2½ hrs.), Miss Patt, daily 2-4; Miss Cole, daily 3-6.
Drawing II, (2½ hrs.), (Prerequisite, Drawing I or equivalent preparation), Miss Cole, daily 2.
General Design, (3 hrs.), Miss Schuneman, daily 4.
Applied Arts I, (2½ hrs.), (Prerequisite, General Design or equivalent preparation), Miss Schuneman, daily 6.
Industrial Arts Design, (2½ hrs.), (This course will not give credit to those who took Woodwork III before June 1, 1929), Mr. Brown, daily 2; Mr. Palmer, daily 2.

Open to Sophomores, Juniors and Seniors.

Organization and Administration of Manual Arts, (3 hrs.), (Prerequisite, Woodwork I and II and Mechanical Drawing I and II), Mr. Bailey, M. W. F. 1.
Commercial Illustration, (2½ hrs.), (Prerequisite, one term of drawing), Miss Cole, daily 5.

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 3.
History of Art, Miss Thornton, daily 3.
Advanced Design, (2½ hrs.), (Prerequisite, General Design or equivalent preparation), Miss Schuneman, daily 6.
Drawing III, (2½ hrs.), (Prerequisite, Drawing I and II or equivalent preparation), Miss Cole, daily 5.
PSYCHOLOGY, EDUCATION AND RURAL EDUCATION

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Psychology I, Mr. Brown, 1-5; Mr. Phillips, 1; Mr. Riebe, 6; Mr. Wilcox, 2-4.
Child Psychology, (Prerequisite, Psychology I), Mr. Brown, 2; Mr. Denny, 1-5; Mr. Hoyt, 2-3; Mr. Phillips, 3-5; Mr. Todd, 3; Mr. Wilcox, 6; Mr. Wiley, 1-5.
(Primary Methods) Language and Literature, (Credit only on primary curriculums and for those who major in normal training high school critic work), Miss Arey, 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 Smith, 2-3-6.
Management and Measurements, Mr. Buffum, 4-6; Mr. Hoyt, 5.
Social Development, (Prerequisite, Psychology I), Mr. Riebe, 2-4.
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, 4-6.
Rural School Methods, Miss Wilmarth, 2-3.
Didactics I, Mr. Cram, 1.
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), Miss Wilmarth, Tu. Th. 5 and 6 and 7; M. W. 5 and 6 and 7; Mr. Cram, Tu. Th. 5 and 6 and 7; M. W. 5 and 6 and 7.

Open to Freshmen, Sophomores and Juniors.

History and Principles of Education, (Prerequisite, Psychology I), Mr. Goetch, 3; Mr. Paul, 3-6.

Open to Sophomores, Juniors and Seniors on Degree Curriculums and on the Art, Manual Arts, Home Economics, Commercial, and Public School Music Teacher Curriculums.

Psychology of Adolescence, (Prerequisite, Psychology I), Mr. Charles, 3.

Open to Sophomores, Juniors and Seniors.

History of Primary Education, (3 hrs.), (Prerequisite, Psychology I), Mr. Walters, M. W. F. 6.
Primary Educational Classics, (2 hrs.), (Prerequisite, Psychology I), Mr. Walters, Tu. Th. 6.
Experimental Psychology I, (Prerequisite, Psychology I), Mr. Finkenbinder, 3.
Genetic Psychology, (Prerequisite, Psychology I), Mr. Finkenbinder, 4.
History of American Education, (Prerequisite, Psychology I), Mr. Goetch, 2.
History of Education, (Prerequisite, Psychology I), Mr. Hollingsworth, 2-3-5.
The Consolidated School and Country Life, Mr. Eells, 1-4.
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.
Literature for Primary Children, (Credit only for those who major in primary or kindergarten education), Miss Arey, 1.
School Administration and Supervision, (Prerequisite, Psychology I), Mr. Buffum, 1.
The High School, (Prerequisite, Psychology I), Mr. Charles, 1-5.
Educational Tests and Measurements for High School Teachers, (Prerequisite, Psychology I), Mr. Denny, 2.
Social Psychology, (Prerequisite, Psychology I), Mr. Paul, 4.
Educational Psychology for High School Teachers, (Prerequisite, Psychology I), Mr. Wiley, 2.
Consolidated School Administration, Mr. Eells, 2.
The Rural High School, (2 hrs.), Mr. Cram, Tu. Th. 3.
Advanced Consolidated School Problems, (3 hrs.), (Prerequisite, Consolidated School Administration except that graduates of standard colleges may register for Consolidated School Administration and Advanced Consolidated School Problems simultaneously. Experienced superintendents who have not had Consolidated School Administration may be admitted by the department to Advanced Consolidated School Problems, but they may not thereafter take Consolidated School Administration for credit), Mr. Cram, M. W. F. 3.

ENGLISH

COLLEGIATE COURSES——

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

English I, Miss Toms, Miss Rohlf, 1; Miss Rohlf, Miss Slattery, 2; Mr. Fagan, Miss Buxbaum, 3; Miss Buxbaum, Mr. Halvorson, 4; Miss Toms, Miss Slattery, 5.

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

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

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

Public Speaking, Mr. Lynch, 2; Mr. Brindley, 1.
Description and Narration, Miss Terry, 6.
Oral Interpretation I, Miss Tuttle, 3; Miss Berkstresser, 1-2.
Oral Interpretation II, (Prerequisite, Oral Interpretation I or equivalent preparation), Miss Tuttle, 4.
Copy Reading and Editing, (3 hrs.), (Prerequisite, News Writing and Gathering), Mr. Holmes, M. W. F. 1.
Open to Sophomores, Juniors and Seniors. (Prerequisite, English I).

Shakespeare, Mr. Lynch, 3.
Recent American Poets, (2 hrs.), Miss Lambert, Tu. Th. 6.
Victorian Poetry, (3 hrs.), (Not credit for those who have credit for Tennyson and Browning), Miss Slattery, M. W. F. 4.
Victorian Prose, (2 hrs.), Miss Slattery, Tu. Th. 4.
Old English, Mr. Halvorson, 2.
Play Production I, (Prerequisite, Oral Interpretation I and II or equivalent preparation), Miss Strayer, 1.
Theory of Debating, (2 hrs.), Mr. Brindley, Tu. Th. 4-6.

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

History of English Literature, Mr. Lynch, 5.
The Essay, Mr. Fagan, 6.
Advanced Story Writing, (Prerequisite, Description and Narration except that students who took English I previous to the summer term, 1927, may take this course without having taken Description and Narration), Miss Terry, 1.
The Technique of Poetry, Miss Terry, 3.
Pedagogy of Interpretation, Miss Strayer, 2.
Advanced Public Speaking, (Prerequisite, Public Speaking), Mr. Brindley, 3.

HOME ECONOMICS

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Clothing I, (4 hrs.), Miss Allen, Tu. 3 and M. W. F. 3 and 4; Miss Dillon, Tu. 1 and M. W. F. 1 and 2.
Clothing II, (4 hrs.), (Prerequisite, Clothing I or equivalent preparation), Miss Allen, W. 7 and Tu. Th. 5 and 6 and 7.
Home and Community Hygiene, (3 hrs.), Miss Dillon, M. W. F. 3-6.
Nutrition, (3 hrs.), (Not credit on a home economics curriculum or for those who have had Food Preparation I and II), Miss Overn, M. W. F. 2.

Open to Sophomores, Juniors and Seniors.

House Furnishing and Decoration, (3 hrs.), (Prerequisite, Applied Design and House Planning), Miss Leggett, M. W. F. 3-5.
Child Care, (2 hrs.), Miss Leggett, Tu. Th. 4.
Home Nursing, (2 hrs.), (This course must be preceded or accompanied by Bacteriology), Miss Leggett, Tu. Th. 5.
Costume Design, (3 hrs.), (Prerequisite, Applied Design), Miss Allen, F. 5 and M. W. 5 and 6.
Food Marketing, (2 hrs.), Miss Overn, Tu. Th. 6.

Open to Juniors and Seniors.

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.
Meal Planning, (3 hrs.), (Prerequisite, Food Preparation I and II), Miss Overn, M. 4 and Tu. Th. 3 and 4.
Experimental Cookery, (3 hrs.), (Prerequisite, Food Preparation I and II), Miss Overn, M. 3 and W. F. 3 and 4.
LATIN, GREEK, GERMAN

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Elementary Latin II, (Prerequisite, one year of high school Latin or equivalent preparation), Mr. Merchant, 1.
Elementary Latin III, Miss Miller, 6.
Elementary Latin V, Vergil’s Aeneid I, Miss Miller, 4.
Latin II, Pliny’s Letters, Miss Miller, 3.
German I, Miss Doffing, 2-6.
German II, Miss Doffing, 1; Mr. Schaefer, 3.
German III, Short Stories, (Prerequisite, one year of high school German or equivalent preparation), Mr. Schaefer, 4.

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

German IV, Historical Prose, (Prerequisite, two years of high school German or equivalent preparation), Miss Doffing, 5.
German V, Schiller’s Dramas, (Prerequisite, German IV or equivalent preparation), Mr. Schaefer, 6.

Open to Sophomores, Juniors and Seniors.

Greek II, Mr. Merchant, 2.

Open to Juniors and Seniors.

Latin IX, Catullus, (2 hrs.), (Prerequisite, Latin I, II, III), Mr. Merchant, Tu. Th. 5.
Latin IX, Cicero’s Letters, (3 hrs.), (Prerequisite, Latin I, II, III), Mr. Merchant, M. W. F. 5.
Latin X, Historical Latin Grammar I, II, (5 hrs.), (Prerequisite, Latin I, II, III). These courses must be preceded or accompanied by Greek I, II, III), Mr. Merchant, 6.

MATHEMATICS AND COMMERCIAL EDUCATION

SUB-COLLEGIATE COURSES—

First Penmanship, Mr. Cummins, 1-5.
Advanced Penmanship, Mr. Cummins, 4.
First Typewriting, Miss Myers, 3-6.
Second Typewriting, Miss Myers, 2.
Third Typewriting, Miss Myers, 5.

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 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.
Shorthand I, (Credit only on commercial curriculums), Miss Gaffin, 5.
Shorthand II, (Credit only on commercial curriculums), Miss Gaffin, 1.
Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

Calculus I, (Prerequisite, Analytical Geometry), Mr. Wester, 3.
Calculus II, Mr. Condit, 2.
Mathematics of Finance, (3 hrs.), Mr. Watson, M. W. F. 1.
Modern Geometry, (3 hrs.), Mr. Watson, M. W. F. 4.
Advertising, (3 hrs.), Mr. Mach, M. W. F. 1.
Machine Accounting, (1 hr.), (Prerequisite, Elementary Bookkeeping), Mr. Mach, M. 5 and 1 hr. laboratory as arranged.
Commercial Correspondence, Mr. Mach, 6.
Commercial Law, Mr. Skar, 6.
Shorthand III, (Credit only on commercial curriculums), Miss Gaffin, 4.
Business Publications, (1 hr.), Mr. Skar, Tu. 1 and 1 hr. laboratory as arranged.

Open to Juniors and Seniors.

Teaching of Secondary Mathematics, (Prerequisite, two courses in college mathematics), Mr. Condit, 6.
Number Systems, (2 hrs.), Mr. Wester, Tu. Th. 1.
Business Organization, (2 hrs.), Mr. Mach, Tu. Th. 1.
Marketing, (3 hrs.), Mr. Mach, M. W. F. 2.
History of Commerce, (2 hrs.), Mr. Mach, Tu. Th. 2.

MUSIC

SUB-COLLEGIATE COURSES—

Normal Piano Methods, (drill credit), Miss Evans, M. F. 1.
Piano Class Instruction I, (drill credit), Miss Evans, M. Th. 7.
Piano Class Instruction II, (drill credit), Miss Evans, Tu. 7.

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Music II, (3 hrs.), Mr. Fullerton, M. W. F. 3; Mrs. Schmidt, 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 4.
First Music, (2 hrs.), (Not credit on the public school music curriculums), Mr. Kauffman, daily 2-4; Mr. Hays, daily 6.
Primary and Kindergarten Music, (3 hrs.), (Not credit on the public school music curriculums), (Prerequisite, First Music or equivalent preparation), Miss Mayfield, daily 1-4-6; Miss Barker, daily 3.
Open to Sophomores, Juniors and Seniors.

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

Open to Juniors and Seniors.

High School Music, (3 hrs.), (Prerequisite, Conducting), Miss Barker, M. W. F. 5.
History of Music III, (2 hrs.), Mr. Richman, Tu. Th. 1.
Counterpoint II, (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 3 and Tu. Th. 4.
General Agriculture, (Not credit for those who have one or more units of entrance credit in agriculture), Mr. Scott, daily 3 and Tu. Th. 4.
Nature Study, (Credit only on the kindergarten, primary, elementary teacher and consolidated school curriculums and for those who major in normal training high school critic work), Mr. Clark, daily 4 and Tu. Th. 3.
Commercial and Industrial Geography, (Credit only on commercial curriculums and for those who major in earth science), Mr. Cable, 6.

Open to Freshmen, Sophomores and Juniors.

Principles of Geology, Mr. Cable, 1.
Elements of Geography I, Miss Aitchison, 1-5; Miss Uttley, 2-6.
Biology I (a), Mr. Abbott, daily 2 and M. W. 1; daily 5 and Tu. Th. 6.
Beef Cattle and Sheep, (3 hrs.), Mr. Scott, M. W. F. 1 and W. 2.
Horses, (2 hrs.), Mr. Scott, Tu. Th. 1 and Th. 2.
Botany I, General College Botany, Mr. Clark, daily 6 and M. W. 5.
Botany II, Non-Flowering Plants, Mr. Clark, daily 2 and Tu. Th. 1.

Open to Sophomores, Juniors and Seniors.

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

Feeds and Feeding, (3 hrs.), Mr. Rath, M. W. F. 6.
Principles of Breeding, (2 hrs.), Mr. Rath, Tu. Th. 6.
Teaching the Biological Sciences, (3 hrs.), (Prerequisite, 15 hours of credit in biological science including plant and animal study), Mr. Lantz, M. W. F. 5 and F. 6.

ORCHESTRAL MUSIC

Open to Sophomores, Juniors and Seniors.

Orchestra Conducting I, (1 hr.), (Prerequisite, 3 hours of college credit in applied music other than voice), Mr. Hill, Tu. Th. 2.
Orchestra Conducting II, (1 hr.), (Prerequisite, Orchestra Conducting I or equivalent preparation), Mr. Hill, Tu. Th. 3.
Orchestra Conducting III, (1 hr.), (Prerequisite, Orchestra Conducting II or equivalent preparation), Mr. Hill, Tu. Th. 5.

Open to students in Bass.

Bass Ensemble, Miss Little, Tu. Th. 2; Tu. Th. 3; Tu. Th. 4.

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

String Ensemble, Mr. Kurtz, Tu. Th. 3; Tu. Th. 5; Tu. Th. 6; Miss Little, Tu. Th. 5; Tu. Th. 6.

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. 6.
Third Supervisors Violin, (drill credit), (Prerequisite, Second Supervisors Violin), Mr. Hill, Tu. Th. 7.

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 woodwind 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. 4; Tu. Th. 6; M. W. 6.
Wood Ensemble, Mr. Russell, Tu. Th. 5; M. W. 5.
Brass Ensemble, Mr. Ball, M. F. 1; M. F. 5; M. F. 8.

Open to students in Cello.

Cello Ensemble, Miss Little, Sat. 2.

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, Miss Little.
Bass, Miss Little.

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.
PHYSICAL EDUCATION

MEN

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

Theory of Basketball I, (3 hrs.), Mr. Mendenhall, daily 5 and 6; daily 7 and 8.
Theory of Basketball II, Mr. Whitford, daily 7 and 8.

Open to Juniors and Seniors.

Theory of Swimming, (2 hrs.), Mr. Dickinson, daily 4.
Theory of Basketball III, (3 hrs.), (Prerequisite, Theory of Basketball I or II), Mr. Dickinson, daily 7 and 8.
Theory of Gymnastics, (2 hrs.), Mr. Bender, daily 3.
Theory of Wrestling, (2 hrs.), Mr. Bender, daily 6.

PHYSICAL TRAINING WORK—

Games, Mr. Whitford, M. W. F. 2.
Beginning Boxing, Mr. Whitford, M. W. F. 3.
Advanced Boxing, Mr. Whitford, Tu. Th. 3.
Freshman Basketball, Mr. Whitford, M. W. F. 8.
Beginning Swimming, Mr. Dickinson, M. W. F. 3.
Advanced Swimming, Mr. Dickinson, Tu. Th. 3.
Basketball Team, Mr. Dickinson, M. W. F. 8.
Floor Work, Mr. Bender, M. W. F. 4.
Beginning Wrestling, Mr. Bender, M. W. F. 6.
Wrestling, Mr. Bender, M. W. F. 8.

WOMEN

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

Physical Education III, (3 hrs.), Miss White, M. W. F. 1.
Physical Education VI, (2 hrs.), Mrs. Hoffman, Tu. Th. 4.

Open to Juniors and Seniors.

Corrective Gymnastics and Massage, (3 hrs.), (Credit only for those who major in physical education or in coaching and athletics), (Prerequisite, Kinesiology), Miss Adams, M. W. F. 2.

CLASS WORK IN PHYSICAL TRAINING FOR MAJOR STUDENTS.

For Freshmen Majors:

Gymnastics, Miss Adams, M. W. 3.
Folk Dancing, Miss Adams, Tu. Th. 3.
Basketball, Miss Humiston, M. W. 4.
Volleyball, Miss Short, Tu. Th. 4.
For Sophomore Majors:

Advanced Folk Dancing, Miss Short, M. W. 5.
Danish Gymnastics, Miss Adams, Tu. Th. 7.

For Junior Majors:

Clogging, Miss Moore, M. W. 5.
Basketball, Miss White, Tu. Th. 5.
Apparatus, Miss Adams, Tu. 6.
Dancing, Mrs. Hoffman, Th. 6.

For Senior Majors:

Handball, Miss Humiston, M. W. 5.
Advanced Clogging, Miss Short, Tu. Th. 5.

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

Note 1: All freshmen who are taking their first or second term schedule for Physical Training for Elementary Grades, except primary and kindergarten students who schedule for Physical Training for Primary Grades. Students who are taking their third term schedule for Third Physical Training.

Note 2: Those who are entering this 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.

Volleyball, Miss Adams, Tu. Th. 2; Miss Meares, Tu. Th. 4; M. W. 8.
Folk Dancing, Miss Moore, M. W. 8; Miss White, Tu. Th. 6.
Advanced Folk Dancing, Miss Short, M. W. 7.
Archery Golf, Miss Adams, M. W. 8.
Modified Activity, Miss Adams, Tu. Th. 8; Miss Kolling, M. W. 4; Tu. Th. 5; Miss Short, Tu. Th. 7.
Physical Training for Primary Grades, Mrs. Hoffman, M. W. F. 3; Miss Humiston, Tu. Th. F. 2; Miss Kolling, Tu. Th. F. 6; Miss Moore, Tu. Th. F. 4; Tu. Th. F. 5.
Physical Training for Elementary Grades, Mrs. Hoffman, Tu. Th. F. 3; Miss Humiston, M. W. F. 2; Tu. Th. F. 5; Miss Kolling, M. W. F. 3; M. W. F. 6; Miss Meares, M. W. F. 2; Tu. Th. F. 2; M. W. F. 6; Miss Michel, M. W. F. 4; Tu. Th. F. 4; M. W. F. 5; Miss Moore, M. W. F. 4; Miss Short, M. W. F. 1; Tu. Th. F. 1; Tu. Th. F. 6.
Social Dancing, Miss Kolling, Tu. Th. 2; Tu. Th. 7; Miss Meares, M. W. 3.
Advanced Social Dancing, Miss Meares, Tu. Th. 8.
First Dancing, Mrs. Hoffman, M. W. 7.
Second Dancing, Mrs. Hoffman, Tu. Th. 7.
Third Dancing, Mrs. Hoffman, M. W. 8.
Beginning Clogging, Miss Meares, Tu. Th. 3; Miss Moore, Tu. Th. 8.
Beginning Basketball, Miss Humiston, Tu. Th. 7; Tu. Th. 8; Miss Kolling, M. W. 1; Tu. Th. 3; M. W. 7.
Advanced Basketball, Miss Humiston, M. W. 8; Miss Michel, M. W. 7; Tu. Th. 8.
Beginning Swimming, Miss Humiston, Tu. Th. 4; Miss Michel, M. W. 6; Miss Short, M. W. 2.
First Intermediate Swimming, Miss Meares, M. W. 4; Tu. Th. 6.
Advanced Swimming, Miss Michel, Tu. Th. 7.
Life Saving, Mrs. Pettit, M. W. 7.

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. W. Th. F. 1 and Tu. Th. 2 or 6.
Physics B, Mr. Hersey, daily 4 and Tu. Th. 3.
Physics XVII—General Physical Science, (Credit only on degree curriculums), Mr. Hersey, daily 5.
Chemistry XVII—Elementary Inorganic and Organic Chemistry, (Credit only on the physical education curriculum), Mr. Read, daily 5 and Tu. Th. 6. Laboratory: 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), (Not credit for those who have had Physics A), 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 XV—Sound and Music, (3 hrs.), (Credit only on music and degree curriculums), Mr. Begeman, M. W. F. 3.
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. 5 and 6.
General Inorganic Chemistry II, Mr. Murphy, daily 3 and M. W. 4.
Chemistry XI—Inorganic and Organic Chemistry, Mr. Read, M. W. 1-4. Laboratory: Mr. Read, Tu. Th. 3; Mr. Hersey, Tu. Th. 1 and 2; Mr. Murphy, Tu. Th. 4.
Chemistry XII—Organic Chemistry, (3 hrs.), (Prerequisite, Chemistry I and II or Chemistry X and XI), Mr. Read, M. W. F. 2 and W. F. 3.

Open to Sophomores, Juniors and Seniors.

Physics VIII—Advanced Course in Light, (3 hrs.), (Prerequisite, Physics III and IV or equivalent preparation), Mr. Kadesch, hours as arranged.
Chemistry IV—Organic Chemistry, (Prerequisite, General Inorganic Chemistry I and II), Mr. Murphy, daily 6 and Tu. Th. 5.

Open to Juniors and Seniors.

Physics XX—Modern Physics, (Prerequisite, Physics I, II, V, VI), Mr. Begeman, hours as arranged.
Chemistry XVI (a) — Textile Chemistry, (3 hrs.), (Prerequisite, General Inorganic Chemistry I and II), Mr. Murphy, hours as arranged.
Chemistry XVI (b) — Chemistry of Cleaning and Dyeing, (2 hrs.), (Prerequisite, Organic Chemistry), Mr. Murphy, hours as arranged.

RECREATIONAL EDUCATION

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

The Synoptic Life of Jesus, (2 hrs.), Dr. Hanson, Tu. Th. 1-4; Miss Hatch, Tu. Th. 3-5.
Bible as Literature, (3 hrs.), Miss Hatch, M. W. F. 3-5.

Open to Sophomores, Juniors and Seniors.

Biblical Ethics, (3 hrs.), Dr. Hanson, M. W. F. 1.
The Rise and Development of Judaism, (3 hrs.), Dr. Hanson, M. W. F. 4.
Origin of Biblical Literature, (3 hrs.), Miss Hatch, M. W. F. 2.
Technique of Instruction in Religious Education, (2 hrs.), Miss Hatch, Tu. Th. 2.

ROMANCE LANGUAGES

COLLEGIATE COURSES—

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

Italian II, Mr. Lillehei, 2.

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

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

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

Spanish V (a), (3 hrs.), Miss Thomas, M. W. F. 4.
Spanish V (b), (2 hrs.), Miss Thomas, Tu. Th. 4.
Open to Juniors and Seniors and to Sophomores who have had French IV, V, VI.

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

SOCIAL SCIENCE

COLLEGIATE COURSES—

Open to Freshmen and Sophomores.

Rural Sociology, Mr. O‘Neill, 4.
American History I, Mr. Fahrney, 4; Mr. Wallace, 1; Mr. Wellborn, 6.
European History I, Miss Riggs, 3-5.

Open to Freshmen, Sophomores and Juniors.

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

Open to Sophomores, Juniors and Seniors.

The Family (Applied Sociology), (3 hrs.), Mr. Thompson, M. W. F. 2.
History of the Far East, (3 hrs.), Miss Hunter, M. W. F. 1.
Latin American History, (2 hrs.), Miss Hunter, Tu. Th. 1.
Labor Problems, (3 hrs.), Miss Hunter, M. W. F. 5.
Social Problems, (2 hrs.), Miss Hunter, Tu. Th. 5.
General Sociology, Mr. O‘Neill, 3.
International Law, Mr. Erbe, 1.
European History III, Miss Riggs, 4.
American History II, Mr. Wallace, 5.
English History II, Mr. Wellborn, 2.

Open to Juniors and Seniors.

Public Finance, Mr. Thompson, 3.
Municipal Government, Mr. Robinson, 4.
Teaching the Social Sciences, Mr. Erbe, 2.

TEACHING

COLLEGIATE COURSES—

Illustrative Teaching. (Prerequisite, Psychology I, except that students on the two-year home economics curriculum may take Illustrative Teaching while taking Psychology I, and those on the one year rural teacher curriculum may take Illustrative Teaching after the completion of course I or II or III in Rural Education), Miss Luse, M. W. F. 3; Mr. Jackson, M. W. F. 2-4; Miss Hendricks, 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 II, (2½ hrs.), (Credit only on the kindergarten curriculums), Miss Hardie, daily 4.

Open to Freshmen, Sophomores and Juniors.

Child Development, (Prerequisite, Psychology I), Miss Kirkwood, 1.

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 Findley, M. Tu. W. Th. 5.

Kindergarten Theory V, (3 hrs.), (Credit only on the kindergarten curriculums), Miss Hardie, M. W. F. 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.