

7-1915

Courses of Study and Program of Recitations, 1915-1916

Iowa State Teachers College

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No. 2.

BULLETIN

OF THE

IOWA STATE TEACHERS COLLEGE

CEDAR FALLS, IOWA

COURSES OF STUDY

AND

PROGRAM OF RECITATIONS

FOR SCHOOL YEAR 1915-1916

Issued Quarterly. Published by the Iowa State Teachers College.

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IOWA STATE TEACHERS COLLEGE

SCHOOL CALENDAR FOR 1915-1916

FALL TERM—TWELVE WEEKS

- 1915
- Sept. 15—Wednesday, Enrollment, without penalty, 8:00 A. M. to 4:00 P. M. One dollar penalty for later dates.
- Sept. 16—Thursday, Recitations begin 8:00 A. M., class periods as on program. Training Schools open 9:00 A. M.
- Oct. 27, 28, 29—Wednesday, Thursday, Friday, Examination for Uniform County Certificates, beginning Wednesday, 8:00 A. M. Examination for State Certificates if arranged in advance.
- Dec. 7—Tuesday, Recitations close at noon.

Winter Term—Twelve Weeks.

- Dec. 8—Wednesday, Enrollment, without penalty, 8:00 A. M. to 4:00 P. M. One dollar penalty for later dates.
- Dec. 9—Thursday, Recitations begin 8:00 A. M., class periods as on the program.
- Dec. 21—Tuesday, Holiday Recess, beginning at noon and continuing two weeks.

- 1916
- Jan. 5—Wednesday, Recitations resumed, 8:00 A. M.
- Jan. 26, 27, 28—Wednesday, Thursday, Friday, Examination for Uniform County Certificates, beginning Wednesday, 8:00 A. M. Examination for State Certificates if arranged in advance.
- March 14—Tuesday, Recitations close at noon.

Spring Term—Twelve Weeks.

- March 15—Wednesday, Enrollment, without penalty, 8:00 A. M. to 4:00 P. M. One dollar penalty for later dates.
- March 16—Thursday, Recitations begin 8:00 A. M. Class periods as on the program.
- June 2—Friday, Recitations close at noon.
- June 2 to 6—Commencement Exercises.

Summer Term—Twelve Weeks.

- June 7—Wednesday, Enrollment, without penalty, 8:00 A. M. to 4:00 P. M.
- June 8—Thursday, Recitations begin 7:00 A. M., class periods as on the program.
- June 28, 29, 30—Wednesday, Thursday, Friday, Examination for Uniform County Certificates. Examination for State Certificates if arranged in advance.
- July 26, 27, 28—Wednesday, Thursday, Friday. Examination for Uniform County Certificates. Examination for State Certificates if arranged in advance.
- August 29—Tuesday, Recitations close at noon.

REQUIREMENTS FOR ADMISSION

Applicants for unconditional admission to the Degree or Diploma Courses must be at least sixteen years of age and must present 15 units of satisfactory work from accredited high schools or the equivalent as hereafter printed in detail.

I. The Degree Course (Bachelor of Arts in Education).

1. English	3	units
2. One Foreign Language.....	2	units
3. History, Civics, Economics.....	1	unit
4. Algebra	1½	units
5. Plane Geometry	1	unit
6. Electives	6½	units

Total15 units

II. The Diploma Courses (Two-Year Courses in Kindergarten, Primary, Grade Teacher, Music, Manual Training, Home Economics, Drawing, Commercial and a three-year course in Physical Education).

1. English	3	units
2. Algebra thru quadratics.....	1	unit
3. Plane Geometry	1	unit
4. History, Civics, Economics.....	1	unit
5. Electives	9	units

Total15 units

III. Elementary Normal Courses—Three Years.

A first Grade Uniform County Certificate or its equivalent.

IV. The Rural Teachers Course—Two Years.

Completion of the Eighth Grade work in Town or Rural School.

- Notes.—1. Students from High Schools should file official statements showing the work completed in high school.
2. Those who have had no high school work should file the County Certificate or an official statement from the City Superintendent or the County Superintendent showing the completion of the Eighth Grade work.
3. Graduates of Four Year Courses in Non-Accredited high schools need to take entrance examinations in one-third of each group of high school subjects presented or they may validate the high school credits by taking work here in secondary subjects selected by the College Examiner. Those who have not completed a four year course in high school may make up the remaining units by taking secondary work offered in the Elementary Normal Courses and in the Rural Teachers Course.

Electives.

The constants and electives in the above requirements may be accepted from the following subjects (For full details see Bulletin

No. 1 of the Board on Secondary School Relations):

I. Foreign Language.

- | | |
|------------------|--------------|
| 1. Latin | 2 to 4 units |
| 2. German | 2 to 4 units |
| 3. Greek | 2 to 4 units |
| 4. French | 2 to 4 units |
| 5. Spanish | 2 to 4 units |

II. English (Not to exceed 4 units).

III. History, Civics, Economics (Not to exceed 4 units).

- | | |
|---|-------------------------|
| 1. Ancient History | $\frac{1}{2}$ to 1 unit |
| 2. Medieval and Modern History..... | $\frac{1}{2}$ to 1 unit |
| 3. Civil Government | $\frac{1}{2}$ to 1 unit |
| 4. Economics | $\frac{1}{2}$ unit |
| 5. General History in place of 1 and
2 above | 1 unit |
| 6. U. S. History in 3rd or 4th year.... | $\frac{1}{2}$ to 1 unit |
| 7. English History | $\frac{1}{2}$ to 1 unit |

IV. Mathematics (Not to exceed 4 units).

- | | |
|-------------------------------------|---------------------------|
| 1. Algebra | 1 to $1\frac{1}{2}$ units |
| 2. Plane Geometry | 1 unit |
| 3. Solid Geometry | $\frac{1}{2}$ unit |
| 4. Trigonometry | $\frac{1}{2}$ unit |
| 5. Adv. Algebra in 4th year..... | $\frac{1}{2}$ unit |
| 6. Adv. Arithmetic (See below)..... | $\frac{1}{2}$ unit |

V. Science, Commercial, and Industrial Subjects.

A. (Not to exceed $4\frac{1}{2}$ units in this list.)

- | | |
|-----------------------|-------------------------|
| 1. Physics | 1 unit |
| 2. Chemistry | 1 unit |
| 3. Agriculture | $\frac{1}{2}$ to 1 unit |
| 4. Physiography | $\frac{1}{2}$ to 1 unit |
| 5. Botany | $\frac{1}{2}$ to 1 unit |
| 6. Physiology | $\frac{1}{2}$ unit |
| 7. Zoology | $\frac{1}{2}$ to 1 unit |
| 8. Geology | $\frac{1}{2}$ unit |
| 9. Astronomy | $\frac{1}{2}$ unit |

B. (Not to exceed 2 units in this list.)

- | | |
|--------------------------------------|-------------------------|
| 1. Bookkeeping | $\frac{1}{2}$ to 1 unit |
| 2. Commercial Geography | $\frac{1}{2}$ unit |
| 3. Commercial Law | $\frac{1}{2}$ unit |
| 4. Industrial History | $\frac{1}{2}$ unit |
| 5. Adv. Arithmetic after Algebra.... | $\frac{1}{2}$ unit |

C. (Not to exceed 2 units in this list.)

- | | |
|--|--------------------------|
| 1. Freehand and Mechanical Drawing.. | $\frac{1}{2}$ to 1 unit |
| 2. Manual Training, i. e., Shop Work.. | $\frac{1}{2}$ to 2 units |
| 3. Domestic Science | $\frac{1}{2}$ to 1 unit |
| 4. Stenography | $\frac{1}{2}$ to 1 unit |

Note: Credit is not given for English Grammar or U. S. History unless taken in the last half of the course, nor for Arithmetic unless taken after Algebra.

THE COLLEGE DEGREE COURSES

Details of the Requirements For The Degree Bachelor Of Arts In Education.

The Plan of the Course.—This degree course requires credit for 180 term hours distributed thru four years, each divided into three twelve week terms. A term hour consists of one hour a week for twelve weeks. A student's work for a term consists of 15 term hours. An additional hour a day is permitted in vocal music, instrumental music, drawing, elementary manual training, elementary domestic science, penmanship, or other art subject.

The Major Study.—Each student in the course must select a major study not later than the beginning of the Junior year. A major consists of 30 term hours of work in the study chosen, but the student may elect up to 60 term hours in the major. When the major is selected, the head of the department becomes the adviser of said student during the pursuance of the course. The following are the major studies offered:

1. English.
2. Public Speaking.
3. Latin.
4. German.
5. French.
6. Mathematics.
7. Physics.
8. Chemistry.
9. Earth Science.
10. Biological Science.
11. History.
12. Government.
13. Economics.
14. Education.
15. Drawing.
16. Manual Arts.
17. Home Economics.
18. Physical Education.

The Minor Study.—After consulting the student, the adviser selects a minor study which must include not less than 15 term hours nor more than 30 term hours in the study selected. When the major and minor are chosen from the same group as hereafter outlined, not more than a total of 75 term hours can be taken in the two elections combined.

Groups of Subjects Recognized.

The following groups of subjects are recognized in arranging the work for an individual course of study leading to a degree.

- I. The Professional Group.
- II. The English Group.
- III. The Foreign Language Group.
- IV. The History, Government, and Economics Group.
- V. The Science and Mathematics Group.

- VI. The Home Economics, Drawing, Physical Education or Manual Arts Group.
- VII. The Primary, Kindergarten, Public School Music, or Commercial Group.

Regulations Governing Groups And The Arrangement Of Studies In The Course.

When the Major study is determined by the student, the head of the department becomes the adviser and the entire course is planned. The adviser decides the minor study. The student decides the quantity taken in both major and minor studies beyond the minimum. The possible maximum varies with the amount of work offered by the several departments. No combination of Major and Minor studies can exceed 75 term hours if both are selected from the same group.

I. The Professional Group.

1. The Major study—Education.

Minimum	30	term	hours
Maximum	54	"	"
2. The Minor Study—Minimum.....15 term hours

Maximum.....	30	"	"
--------------	----	---	---
3. Constant requirements.

(1) English	15	term	hours
(2) Foreign Language	15	"	"
(3) History, Government, and Economics...	15	"	"
(4) Science and Mathematics.....	20	"	"
(5) Teaching	10	"	"
4. Elective requirements.
 - (1) Enough additional term hours to make at least a total of 180 term hours.
 - (2) Outside of the Major study, the Minor study, and the Professional work, the total credit in any other Major study can not exceed 20 term hours.

II. The English Group.

1. The Major study—English or Public Speaking.

Minimum	30	term	hours
Maximum, English.....	60	"	"
Public Speaking	49	"	"
2. The Minor study—Minimum.....15 " "

Maximum.....	30	"	"
--------------	----	---	---
3. Constant Requirements.

(1) Professional	40	term	hours
(2) Foreign Language	15	"	"
(3) History, Government, and Economics..	15	"	"
(4) Science and Mathematics.....	20	"	"
4. Elective Requirements.
 - (1) Enough additional term hours to make at least a total of 180 term hours.
 - (2) Outside of the Major study, the Minor study, and the Professional work, the total credit in any other major study can not exceed 20 term hours.

III. The Foreign Language Group.

1. The Major study—Latin or German.

Minimum.....	30 term hours (See catalog)
Maximum, Latin	60 term hours
German	45 " "
2. The Minor Study—Minimum.....15 term hours

Maximum.....	30 " "
--------------	--------
3. Constant Requirements.
 - (1) Professional work40 term hours
 - (2) English15 " "
 - (3) History, Government, and Economics...15 " "
 - (4) Science and Mathematics.....20 " "
4. Elective Requirements.
 - (1) Enough additional term hours to make at least a total of 180 term hours.
 - (2) Outside of the Major Study, the Minor study, and the Professional work, the total credit in any other major study can not exceed 20 term hours.

IV. The History, Government, and Economics Group.

1. The Major study—History or Government or Economics.

Minimum	30 term hours
Maximum, History	46 " "
Government	38 " "
Economics	35 " "
2. The Minor study—Minimum.....15 term hours

Maximum.....	30 " "
--------------	--------
3. Constant Requirements.
 - (1) Professional40 term hours
 - (2) English15 " "
 - (3) Foreign Language15 " "
 - (4) Mathematics and Science.....20 " "
4. Elective Requirements.
 - (1) Enough additional term hours to make at least a total of 180 term hours.
 - (2) Outside of the Major study, the Minor study, and the Professional work, the total credit in any other major study can not exceed 20 term hours.

V. Science and Mathematics Group.

1. The Major—Physics or Chemistry or Earth Science or Biological Science or Mathematics.

Minimum	30 term hours
Maximum, Chemistry	40 " "
Physics	31 " "
Earth Science	45 " "
Biological Science	60 " "
Mathematics	45 " "
2. The Minor—Minimum.....15 term hours

Maximum.....	30 " "
--------------	--------
3. Constant Requirements.
 - (1) Professional40 term hours
 - (2) English15 " "

- (3) Foreign Language15 " "
 (4) History, Government, and Economics..15 " "

4. Elective Requirements.

- (1) Enough additional term hours to make at least a total of 180 term hours.
 (2) Outside of the Major study, the Minor study, and the Professional work, the total credit in any other major study can not exceed 20 term hours.

VI. The Home Economics, Drawing, Manual Arts, or Physical Education Group.

1. The Major study—Home Economics, or Drawing, or Manual Arts, or Physical Education.

Minimum	30	term	hours
Maximum, *Home Economics.....	20	"	"
*Drawing	27½	"	"
Manual Arts	43	"	"
Physical Education	45	"	"

2. The Minor Study—Minimum.....15 term hours
Maximum.....30 " "

3. Constant Requirements.

(1) Professional	40	term	hours
(2) English	15	"	"
(3) Foreign Language	15	"	"
(4) History, Government, and Economics..	15	"	"
(5) Science and Mathematics.....	30	"	"

4. Elective Requirements.

- (1) Enough additional term hours to make at least a total of 180 term hours.
 (2) Outside of the Major study, the Minor study, the required Science work, and the Professional work, the total credit in any other Major study can not exceed 20 term hours.

REQUIREMENTS FOR B. A. DEGREE AFTER COMPLETING THE TWO YEAR COURSES REPRESENTED IN GROUP VI.

1. Home Economics.

1st and 2nd years

Junior and Senior.

Home Economics..20	term	hours	**Professional	15	term	hours
Professional	30	"	***English	10	"	"
English	5	"	***Foreign Lan-			
Science	30	"	guage	15	"	"
Elective	5	"	***History, Etc.....	15	"	"
			***Chemistry	10	"	"
Total	90	"	Electives	25	"	"
			Total	90	"	"

*These are combined with Education in making the Major.

**This includes 5 term hours of Teaching for which substitution may be made at the discretion of the Department.

***If part of this work is taken as Elective on the Diploma Course, the student may substitute other Electives in the Junior and Senior years.

2. Art.

1st and 2nd years		Junior and Senior.	
Art	27½ term hours	**Professional	15 term hours
Manual Training		***English	10 " "
or Music	2½ " "	***Science & Math.	30 " "
Professional	30 " "	***Foreign Lan-	
English	5 " "	guage	15 " "
History	5 " "	***History, Etc.....	10 " "
Electives	20 " "	Elective	10 " "
	<hr/>		<hr/>
Total	90 " "	Total	90 " "

3. Manual Arts.

1st and 2nd years		Junior and Senior.	
Manual Arts.....	32½ term hours	**Professional	15 term hours
Art	5 " "	***English	10 " "
Professional	30 " "	***Foreign Lan-	
English	5 " "	guage	15 " "
Special Elect.....	5 " "	***Science & Math.	30 " "
Electives	12½ " "	***History, Etc.....	15 " "
	<hr/>	Electives	5 " "
Total	90 " "	Total	90 " "

4. Physical Education.

1st, 2nd, and 3rd years		Senior Year	
Physical Educa-		**Professional	15 term hours
tion	45 term hours	***Foreign Lan-	
Professional	35 " "	guage	15 " "
English	15 " "	***Science & Math.	5 " "
Science &		***History, Etc.....	15 " "
Math.	25 " "		<hr/>
Electives	15 " "	Total	***50 " "
	<hr/>		
Total	135 " "		

VII. The Primary Teacher, Kindergarten Teacher, Public School Music Teacher, or Commercial Teacher Group.

- The Major Study—Primary School work, or Kindergarten, or Public School Music, or Commercial.

Minimum	30 term hours
Maximum, *Primary & Drawing.....	15 " "
*Kindergarten & Drawing.....	20 " "
Public School Music.....	42 " "
*Commercial	20 " "

*See previous page.

**See previous page.

***See previous page.

****At least 5 term hours of this should be taken as Elective on the Diploma Course so as to leave only 45 term hours for the Senior Year.

2. The Minor study—Minimum.....15 term hours
 Maximum.....30 “ “

3. *Constant Requirements.*

- (1) Professional40 term hours
 (2) English15 “ “
 (3) Foreign Language15 “ “
 (4) Science and Math.....20 “ “
 (5) History, Government, and Economics..15 “ “

4. Elective Requirements.

- (1) Enough additional term hours to make at least a total of 180 term hours.
 (2) Outside of the Major Study, the Minor study, and the Professional work, the total credit in any other Major study can not exceed 20 term hours.

Requirements For The B. A. Degree After Completing The Two Year Courses Represented In Group VII.

1. Primary Teacher.

1st and 2nd years

Primary & Drawing	15	term	hours
Professional	.....35	“	“
English	.....10	“	“
Science & Math	.... 8	“	“
Electives	.....22	“	“
Total	.....90	“	“

Junior and Senior

Professional	.....10	term	hours
***English	..... 5	“	“
***Foreign Lan- guage	.....15	“	“
***Science & Math	.....12	“	“
***History, Govt., & Econ.	.....15	“	“
Elective	.....33	“	“
Total	.....90	“	“

2. Kindergarten Teacher.

1st and 2nd years

Kindergarten & Drawing	.....20	term	hours
Professional	.....35	“	“
English	.....10	“	“
Science & Math	.... 5	“	“
Elective	.....20	“	“
Total	.....90	“	“

Junior and Senior

Professional	.....10	“	“
***English	..... 5	“	“
***Foreign Lan- guage	.....15	“	“
***Science & Math	.....15	“	“
***History, Govt., & Econ.	.....15	“	“
Elective	.....30	“	“
Total	.....90	“	“

**See previous page.

***See previous page.

3. Public School Music Teacher.

1st and 2nd years		Junior and Senior	
Public School Music	40 term hours	**Professional	15 term hours
Professional	30 " "	***English	10 " "
English	5 " "	***Foreign Lan-	
Effective	15 " "	guage	15 " "
		***Science & Math.	20 " "
Total	90 " "	***History, Govt.,	
		and Economics	15 " "
		Elective	15 " "
		Total	90 " "

4. Commercial Teacher.

1st and 2nd years		Junior and Senior	
Commercial	20 term hours	**Professional	15 term hours
Professional	30 " "	***English	10 " "
English	5 " "	***Foreign Lan-	
Science & Math.	10 " "	guage	15 " "
History, Govt., &		***Science & Math.	10 " "
Economics	10 " "	***History, Govt.,	
Electives	15 " "	and Economics	5 " "
		Electives	35 " "
Total	90 " "	Total	90 " "

Outline Of The Degree Course By Years Showing the Location Of Constants.

Freshman Year—45 term hours.

Rhetoric	5 term hours
Foreign Language	15 " "
Electives	25 " "

Literary Society Work.
Physical Training.

Note.—With the consent of the Adviser and the Registrar, foreign language may be delayed until the Sophomore year. The Electives must be chosen from Freshman studies.

Sophomore Year—45 term hours.

Education I, II, and III	15 term hours
English IX, and II, III, or VIII	10 " "
Electives	20 " "

Literary Society Work.
Physical Training.

Junior Year—45 term hours.

Education IV, V, and VI	15 term hours
Electives	30 " "

**See previous page.

***See previous page.

Senior Year—45 term hours.

Teaching	10 term hours
Electives	35 " "

The Master of Didactics Degree Course For College Graduates.**I. Professional Course—45 term hours.**

This course includes a full year's work in Education and Teaching and is planned to suit individual needs by the Head of the Department of Education, who becomes the student's adviser. With the facilities here for a study of the rural and city school systems this year's work is very rich in development and training.

II. Professional Course with Electives—45 term hours.

1. Education, 15 term hours.
2. Teaching, 10 term hours.
3. Elective with the approval of the adviser, 20 term hours.

III. Professional Course as Special Teachers—45 term hours.

This course is planned by the Head of the Department of Education to give training to college graduates who wish to prepare in the line of experts in rural education, in normal training in high schools, in public school music, in physical education, in manual training, in home economics, in drawing, in commercial, in kindergarten, or in primary teaching.

The Critic Teachers Course.

This course is planned for the special development, education, and training of critic teachers for normal training high schools and for work as teachers in the training department of state normal schools. The following conditions govern the admission, study, and graduation from this course.

I. The Entrance Requirements.—The applicant must have completed a diploma course of this college, or its equivalent.

II. Required work for the Critic Teachers Certificate.—

1. Time—Two years.
2. Satisfactory completion of 15 term hours of critic training credit (college credit on this course only) and 30 term hours of other college work approved by the Director of the Training School.
3. During these two years, critics in training are allowed to carry 5 term hours each term in addition to the critic training work.

III. Required Work for the Degree Bachelor of Arts in Education.—

1. Enough credit to make a total of 180 term hours distributed in accordance with the requirements of the B. A. Course outlined on previous pages, except that the major shall consist of Teaching—15 term hours, and Critic Training—15 term hours.

NOTE.—Students taking this course are selected by the department for work as Critics in Training.

THE DIPLOMA COURSES

The Plan Presented.—These courses represent the latest conception of organization to meet the needs of special training for different fields of public school work and yet place regard upon collegiate scholarship as an essential to efficient preparation. Graduates of these courses are admitted to the Junior class in the Degree Course without conditions, provided they have complied with all the entrance conditions demanded in that course.

Conditions of Admission.—Admission to diploma courses requires 15 units, as follows: 3 units of English, 1 unit of Algebra (thru quadratics), 1 unit of Plane Geometry, 1 unit from the History, Government, and Economics group, and 9 units Elective, selected from those outlined for admission to the Degree Course.

Honors Conferd.—Appropriate diplomas granted by the Faculty are conferd for completing the courses outlined. These diplomas will show the special qualifications of the graduates and will commend them as traind teachers. The Educational Board of Examiners agrees to grant second grade state certificates to all graduates who complete one of these courses and who show credit for 10 term hours in Psychology, 5 term hoúrs in School Management, 5 term hours in History of Education, and 10 term hours in Teaching as required at the Teachers College. These state certificates authorize the possessor to teach in any school in Iowa and give the teacher's specialization. For persons who may graduate from any of these diploma courses without having met all these requirements in Psychology, Education, and Teaching, a third grade state certificate will be granted, the second grade state certificate being obtainable whenever the deficiencies occurring have been removed.

THE GENERAL TEACHERS COURSE.

This course is organized to give two years of instruction and training to high school graduates who desire to become principals, supervisors, or grade teachers. It is in conformity with the requirements for the second grade state certificate.

First Year.—45 term hours.

Education I, II, and III.....	15	term	hours
Rhetoric	5	"	"
Electives	25	"	"

Literary Society.
Physical Training.

Second Year—45 term hours.

Education IV.....	5	term	hours
Teaching	10	"	"
Electives	30	"	"

Literary Society.
Physical Training.

Note 1: The electives above indicated must be of College grade and must include Botany, Physiography or Geology, Advanced Physiology or Sanitation, Physics, American History, American Government, and Economics unless the corresponding subjects were presented and accepted for entrance.

Note 2: An additional requirement of 3 term credits must be met by election under the adviser from Penmanship, Vocal Music, Drawing, Orthography, Arithmetic, or English Grammar, unless these subjects were taken in the secondary school.

PRIMARY TEACHERS COURSE.

First Year—43 term hours.

Primary Methods (12 hours of recitation)	6	term	hours
Education I, II, and III	15	"	"
Rhetoric	5	"	"
English Elective	5	"	"
Nature Study	5	"	"
Primary Theory and Observation (4 a week)	2	"	"
Drawing (2 terms—5 a week)	5	"	"
Manual Arts (1 term—5 a week)			

Literary Society.

Physical Training.

Second Year—47 term hours.

Education IV	5	term	hours
Hygiene and Sanitation (b)	3	"	"
Criticism and Practice	15	"	"
Kindergarten Theory and Observation (4 a week)	2	"	"
Electives	22	"	"
Vocal Music (2 terms—5 a week)			

Literary Society.

Physical Training.

KINDERGARTNERS COURSE.

First Year—47½ term hours.

Kindergarten Theory (1 year—5 a week)	7½	term	hours
Education I, II, and III	15	"	"
Rhetoric and Elective in English	10	"	"
Drawing (2 terms—5 a week)	5	"	"
Nature Study	5	"	"
Elective	5	"	"

Literary Society.

Physical Training.

Second Year—42½ term hours.

Kindergarten Theory (1 term—5 a week and 1 term—6 a week)	5½	term	hours
Kindergarten Practice (1 year—5 a week)	15	"	"
Education IV	5	"	"

Primary Theory (1 term—4 a week).....	2	"	"
Electives	15	"	"
Vocal Music (2 terms—5 a week).....			
Literary Society.			
Physical Training.			

PUBLIC SCHOOL MUSIC TEACHERS COURSE.

First Year—45 term hours.

Education I, II, and III.....	15	term	hours
Rhetoric	5	"	"
Harmony I	3	"	"
History of Music I.....	2	"	"
Music I (5 a week).....	2½	"	"
Music II (5 a week).....	2½	"	"
Sight Singing (Lower grades—3 a week).....	2½	"	"
Sight Singing (Upper grades—3 a week).....	2½	"	"
Conducting (3 a week)	2½	"	"
Methods (Lower grades—3 a week).....	2½	"	"
Elective	5	"	"
Literary Society.			
Physical Training.			

Second Year—45 term hours.

Education IV	5	term	hours
Harmony II	2	"	"
History of Music II.....	3	"	"
Teaching	10	"	"
Methods (Upper grades—3 a week).....	2½	"	"
High School Music and Child Voice (3 a week).....	2½	"	"
Appreciation of Music (3 a week).....	2½	"	"
Theory of Music (3 a week).....	2½	"	"
Harmony III	3	"	"
Supervision (3 a week).....	2	"	"
Electives	10	"	"
Literary Society.			
Physical Training.			

ART TEACHERS COURSE.

First Year—45 term hours.

Education I, II, III.....	15	term	hours
Rhetoric	5	"	"
History Elective	5	"	"
Cast Drawing I and II.....	5	"	"
Design	2½	"	"
History of Architecture.....	5	"	"
History of Painting.....	5	"	"
Elective	2½	"	"
Literary Society.			
Physical Training.			

Second Year—45 term hours.

Education IV	5	term	hours
Teaching	10	"	"
Still Life	2½	"	"
Perspective	2½	"	"
Art Supervision	2½	"	"
Water-Color	2½	"	"
Manual Training or Music.....	2½	"	"
Elective	17½	"	"
Literary Society.			
Physical Training.			

MANUAL ARTS TEACHERS COURSE.

First Year—44 term hours.

Education I, II, III.....	15	term	hours
Rhetoric	5	"	"
Mechanical Drawing I, II, III.....	8	"	"
Woodwork I, II, III.....	7	"	"
Freehand Drawing (5 a week).....	2½	"	"
Design (5 a week).....	2½	"	"
Illustrative Teaching	1½	"	"
Elementary Handwork (5 a week).....			
Special Elective	2½	"	"
Literary Society.			
Physical Training.			

Second Year—46 term hours.

Education IV	5	term	hours
Manual Training I and II.....	8	"	"
Woodwork IV	5	"	"
Sheet Metal Work.....	2½	"	"
Woodturning	2	"	"
Teaching	8½	"	"
Special Elective	2½	"	"
Elective	12½	"	"
Literary Society.			
Physical Training.			

HOME ECONOMICS TEACHERS COURSE.

First Year—44 term hours.

Chemistry IX, X, and XI.....	15	term	hours
Rhetoric	5	"	"
Education I and II.....	10	"	"
Elementary Food Theory (3 terms).....	6	"	"
Food Principles (2 terms).....	6	"	"
Household Management (1 term—2 a week).....	1	"	"
Household Methods (1 term).....	1	"	"
Sewing (3 terms).....			
Literary Society.			
Physical Training.			

Second Year—46 term hours.

Education III and IV.....	10	term hours
Teaching	10	" "
Chemistry XII	5	" "
Hygiene and Sanitation (a).....	5	" "
Physiology I	5	" "
Dietetics (2 a week).....	1	" "
Advanced Cooking (2 a week).....	1	" "
Serving (2 a week).....	1	" "
Household Architecture	2	" "
Demonstrations	1	" "
Elective	5	" "
Literary Society.		
Physical Training.		

PHYSICAL EDUCATION TEACHERS COURSE.

First Year—45 term hours.

Anatomy I and II.....	10	term hours
Physiology I	5	" "
Education I, II, and III.....	15	" "
Rhetoric	5	" "
Public Speaking I or Elocution I.....	5	" "
English Literature	5	" "
Literary Society.		
Double work in Physical Training.		

Second Year—45 term hours.

Theory of Physical Education.....	5	term hours
Hygiene and Sanitation (a).....	5	" "
Chemistry I, II, and III.....	15	" "
Education IV	5	" "
Playground Methods I and II.....	6	" "
First Aid to the Injured.....	2	" "
Theory of Athletics I.....	2	" "
Genetic Psychology	5	" "
Literary Society.		
Double work in Physical Training.		

Third Year—45 term hours.

Anthropometry	3	term hours
Physical Diagnosis	2	" "
Theory of Athletics II.....	2	" "
Physiology of Exercise.....	5	" "
Medical Gymnastics and Massage	3	" "
Physical Department Administration	2	" "
Teaching	10	" "
History of Physical Education.....	3	" "
Electives	15	" "
Physical Training and Officiating.		

COMMERCIAL TEACHERS COURSE.

First Year—45 term hours.

Education I, II, III.....	15	term	hours
Rhetoric	5	"	"
Mathematical Elective	5	"	"
Commercial Correspondence.....	5	"	"
Commercial Law	5	"	"
Accounting I and II.....	10	"	"
Literary Society.			
Physical Training.			

Second Year—45 term hours.

American Government	5	term	hours
Education IV	5	"	"
General Economics	5	"	"
Commercial Geography	5	"	"
Teaching	10	"	"
Electives	15	"	"
Shorthand and Typewriting (three terms).....			
Literary Society.			
Physical Training.			

NORMAL DIPLOMA COURSES

THE RURAL TEACHERS COURSE.

1. Admission is made on the basis of the rural school diploma.
2. The recognition for graduation is the rural teacher diploma and the state certificate for five years.
3. The branches included in the course are as follows:
 1. Second Grade Uniform County Certificate Subjects:

Reading	English Language and Grammar
Geography	Physiology
Arithmetic	Vocal Music
U. S. History	Penmanship
Orthography	

Note: Each subject represented here is given credit on the course when the student has received 85 per cent on the Uniform County Certificate. When 75 per cent has been received, one term's work is required in each subject. When less than 75 per cent has been received two term's work is required in geography, arithmetic, language and grammar, and United States history.

II. First Grade Uniform County Certificate Subjects:

Elementary Civics	Algebra
Elementary Economics	Physics

Note: When 85 per cent has been obtained in the Uniform County Examination that subject is given credit on this course. When taken in class one term's work is required in civics and economics and two term's work in algebra and physics.

III. Additional Subjects Required for the Diploma:

- (1) Didactics, one term.
- (2) General Primary Methods, one term.
- (3) The Country School, one term.
- (4) Observation and Teaching, one term.
- (5) *Domestic Science, two terms.
- (6) Agriculture, two terms.
- (7) Handwork, one term.
- (8) Woodwork, one term.
- (9) Elementary Psychology, one term.
- (10) Drawing, one term.

Notes: The observation and Teaching here outlined consists of demonstration teaching in the training department and in work done in the demonstration rural schools maintained by the Teachers College. This term's work will be provided during each term of the college year so that the graduating class may be divided into suitable sections.

The subjects of study represented by this course are all on the program of recitations each term of the year so that a student can come any term and get credit work.

Uniform county certificate examinations are given at the institution on the same dates as are required by law at the county superintendents' offices.

THE GENERAL NORMAL COURSE FOR GRADE TEACHERS.

Admission.—First Grade Uniform County Certificate.

Recognition.—The Normal Diploma and Second Grade State Certificate.

Value of Credits.—Each subject, except physical training and literary society work, printed in this table requires five recitations a week of one hour each.

First Year.

Algebra, 2nd and 3rd.....	two terms
General History	two terms
First English Classics.....	one term
**Bookkeeping	one term
**Elementary Elocution.....	one term
First English Composition.....	one term
Physiography	one term
Vocal Music.....	one term
Drawing	two terms
Physical Training.....	three terms

Second Year.

Second English Classics.....	one term
Physics	two terms
Plane Geometry.....	two terms

*Additional work in Manual Arts and Agriculture may be substituted for this.

**Latin or German electives may be substituted.

Elementary Botany	one term
*Manual Arts or Elementary Agriculture.....	two terms
Second English Composition.....	one term
*Solid Geometry.....	one term
Psychology	two terms
Physical Training.....	three terms
Literary Society Work.....	three terms

Third Year.

School Management.....	one term
College Algebra I or Trigonometry.....	one term
History of Education.....	one term
Rhetoric	one term
General Economics.....	one term
American Government.....	one term
American History.....	one term
Teaching	two terms
Special Electives.....	three terms
Literary Society Work.....	three terms

Notes: Students who have completed the vocational work, the algebra, or physics required in the Rural Teachers Course will be granted credit in proportion to the work accomplished, thus abridging the above requirements.

The special electives of the third year are intended for Manual Arts, Home Economics, Commercial studies, or Elementary Agriculture, as the student may elect.

THE VOCATIONAL NORMAL COURSE.

For rural and consolidated school teachers.

Admission.—First Grade Uniform County Certificate.

Recognition.—The Normal Diploma and Second Grade State Certificate.

Value of Credits.—Each subject, except physical training and literary society work, printed in this table requires five recitations a week of one hour each.

First Year.

Algebra, 2nd and 3rd.....	two terms
General History.....	two terms
First English Classics.....	one term
Bookkeeping	one term
Physiography	one term
First English Composition.....	one term
Elementary Elocution.....	one term
Vocal Music.....	one term
Domestic Science	two terms
Physical Training.....	three terms

*Latin or German electives may be substituted.

Second Year.

Plane Geometry	two terms
Physics	two terms
Elementary Agriculture.....	two terms
Second English Classics.....	one term
Elementary Botany.....	one term
Psychology	two terms
Drawing	two terms
Physical Training.....	three terms
Literary Society Work.....	three terms

Third Year.

Second English Composition.....	one term
School Management.....	one term
American History.....	one term
General Economics.....	one term
History of Education.....	one term
American Government.....	one term
Rhetoric	one term
Teaching	two terms
Manual Arts	two terms
Special Elective.....	one term
Literary Society Work.....	three terms

Note: This course is arranged for the giving of special qualifications of a superior kind in modern standards. These courses will be taught so as to give the teacher in training practical efficiency in educating the boys and girls of the farms of the state. The practice in teaching will be broad in its scope and notably efficient in its extent.

Special Students.

Preparation for the examination given by the State Educational Board of Examiners for special teacher certificates.

Teachers of twenty-one years of age and those who may be holders of a first grade uniform county certificate are admitted to such classes in special courses in primary, kindergarten, public school music, manual training, home economics, drawing, or commercial studies as will probably prepare them for the examinations that are required by the state for the obtaining of such recognition. Credits earned in this way do not count on a course toward graduation. Such persons should make all arrangements with the Registrar before appearing for work in order to have their studies properly adjusted.

SPECIAL COURSE IN VOICE, PIANO, ORGAN AND ORCHESTRAL INSTRUMENTS

Conditions of Admission.—Students are admitted to these special music courses on liberal terms as to preparatory training and are encouraged to begin early enough to develop the skill and capability for professional artistic success that are so notably demanded in teachers of these kinds.

To become a candidate for graduation, the student must have attained to the *scholastic qualification required of secondary schools* for full college entrance. These scholastic conditions may be acquired in any good secondary school or may be accomplished in the normal courses at the College.

Conditions of Graduation.—A special Music Diploma will be awarded to such persons as complete satisfactorily any one of the courses here outlined, it being understood that skill and capability as musicians are also qualities to be attained. On account of these conditions the exact time required to complete any one of these courses can not be stated in school years. The candidate must have sufficient proficiency in the special line chosen to secure the recommendation of the professors in charge of the work in order to apply for graduation. The courses as here mapped out, outside of the attainment in capability as a musician, can be satisfactorily completed in two years.

VOICE, PIANO AND ORGAN COURSES.

Piano—Professor: John Ross Frampton

Instructors: Elizabeth Platner
Grace C. Thomson

Voice—Professors: Anna Gertrude Childs
Lowell E. M. Welles
Harriet Case

Organ—Professor: John Ross Frampton

These courses are planned to train students for capability as performers and for becoming special teachers.

The requirements for graduation are as follows:

1. Two lessons a week for at least two years in the major course, all this work to be done if possible under the instructor recommending for graduation.
2. Satisfactory public performance of a recital in the major study, the program to be of moderate difficulty.
3. Two years of a "minor" course in music (Piano, organ, voice or any of the instruments taught in the orchestral department). It is understood that two lessons a week in the minor for one year shall not be the equivalent of two years' study.

4. Harmony equivalent to the texts of Chadwick or Bussler.
5. Two terms of Music History.
6. One five hour course of general culture each term, except the Senior year. This course to be selected by the personal adviser of the student, and to be of college grade in case the student has no entrance deficiencies.
7. Literary Society work is recommended but not required.
8. A certificate of Musical Proficiency will be granted to those who complete the piano, voice, or organ work alone.

VIOLIN AND OTHER ORCHESTRAL INSTRUMENTS.

Professor: B. Winfred Merrill

Assistants: Alma Cutler

Frank Lynn McCreary

This course is planned to train a student for capability as a performer and for becoming a special teacher.

The requirements for graduation are as follows:

1. Violin instruction sufficient to enable the pupil to render a program the equivalent of a Beethoven Sonata, the Mendelssohn Concerto and similar works, to the satisfaction of the head of the department.
2. Two years of piano (one lesson a week).
3. Two years of harmony—the equivalent of Chadwick or Bussler.
4. Two years of ear training and dictation in relation to the harmony.
5. Orchestra and Ensemble during the course.
6. Two terms of Music History.

The diploma of the College will be given when the student has satisfactorily completed this course, together with the requirements for college entrance. A certificate of Musical Proficiency will be granted to those who complete the violin work alone.

All students shall take at least one scholastic branch each term they are enrolled unless they are excused by the head of the department.

The courses for all other orchestral instruments including Oboe, Flute, Clarinet, Bassoon, Cornet, French Horn, Trombone, Tuba, Cello, Double Bass, and Harp are identical with the violin course. It is possible, however, to finish the courses of some of these instruments in less time than that of the violin.

PROGRAM OF RECITATIONS

EXPLANATORY NOTE

The program of recitations is for Fall, Winter and Spring terms, 1915-1916. Changes may be made and program extended, if the number enrolled makes this necessary.

The arabic numerals following the teachers' names indicate periods in which the subjects are given, i. e., 3-4 shows two sections (one reciting the third period and the other the fourth period); while 3 and 4 means one section extending over the third and fourth periods.

The periods are as follows:

First	8:00 to 9:00
Second	9:00 to 10:00
Chapel	10:00 to 10:20
Third	10:25 to 11:25
Fourth	11:25 to 12:25
Fifth	1:30 to 2:30
Sixth	2:30 to 3:30
Seventh	3:30 to 4:30
Eighth	4:30 to 5:30

FALL TERM

EDUCATION:

COLLEGE COURSES

- Psychology I., Mr. Sampson 1-4-5.
- Psychology II., Mr. Sampson 2.
- School Management, Mr. Colegrove, 2-3; Mr. Buffum 3-5.
- History of Education, Mr. Walters 2-4-5.
- Philosophy of Education, Mr. Walters 1.
- School Administration, Mr. Colegrove 1.
- Experimental Psychology, Mr. Mount 5.

DIPLOMA COURSES

- Same as College Courses and
- Psychology I., Mr. Mount 1-2; Miss Buck 3-4-5-6; Mr. Buffum 6.
- Psychology II., Mr. Mount 3.
- Primary Methods I. (2½ hrs.), Miss McGovern 1-2-3-5.

RURAL EDUCATION:

NORMAL COURSES

- Didactics, Mr. Campbell 1.
- Elementary Psychology, Mr. Campbell 3.
- General Methods, Mr. Hart 1.
- Observation and Teaching, Mr. Hart, 2.
- The Country School, Mr. Campbell 4.

TEACHING:

COLLEGE COURSES

- Illustrative Teaching (1½ hrs), Mr. Stone, Miss Fesenbeck, Miss Hughes, Miss Luse, Miss Correll, Miss Cresswell, 4-5-6.
- Practice Teaching as arranged.
- Conference Teaching (½ hr.) as arranged.

DIPLOMA COURSES

Same as College Courses and
 Kindergarten Theory I. (2½ hrs.), Miss Brown 3.
 Criticism (Mon., Tues., Wed., Thurs.), Miss Scofield 6.

NORMAL COURSES

Rural Demonstration Teaching, Mr. Stone and training school critics 2.

ENGLISH:

COLLEGE COURSES

College Rhetoric, Mr. Lynch 1; Mr. Gist 2-5; Miss Carpenter 4;
 Miss Lambert 4; Mr. Barnes 1-3; Mr. Fagan 2-3-6; Miss Siner 6.
 Theme Writing and Story Telling, Miss Carpenter 3.
 Argumentation I. (3 hrs.), Mr. Barnes 6.
 Argumentation II. (3 hrs.), Mr. Barnes 6.
 English Literature, Mr. Lynch 4.
 Shakespeare, Mr. Gist 3.
 Literary Criticism, Miss Carpenter 1.
 The History of the English Drama I., Miss Lambert 1.
 Milton (3 hrs.), Mr. Lynch 3.
 Recent American Literature (3 hrs.) (M. W. F.), Miss Lambert 3.
 Elocution I., Miss Martin 1-4; Miss Falkler 2; Miss Shanewise 3.
 Elocution II., Miss Martin 2; Miss Shanewise 4.
 Repertoire II., Miss Martin 3.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Half Language and Grammar, Miss Hutchison 2-3-4.
 Second Half Language and Grammar, Miss Hutchison 6.
 Complete Language and Grammar, Miss Gregg 2-3-4.
 Reading, Miss Falkler, 3-6.
 Elementary Elocution, Miss Falkler 4.
 First Term English Composition, Miss Siner 2-4.
 First Term English Classics, Miss Oliver 5.
 Second Term English Classics, Miss Gregg 5.
 Orthography (a), Miss Oliver 1-2.

MATHEMATICS:

COLLEGE COURSES

Solid Geometry, Mr. Wright 4.
 College Algebra I., Mr. Condit 5-6.
 Plane Trigonometry, Mr. Daugherty 5.
 Analytical Geometry, Mr. Condit 3.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Half Arithmetic, Miss Lambert 3-4; Mr. Daugherty 1.
 Second Half Arithmetic, Miss Allen 6.
 Complete Arithmetic, Mr. Condit 2; Mr. Daugherty 4.

First Term Algebra, Miss Allen 1-2.
 Second Term Algebra, Miss Allen 5.
 Third Term Algebra, Miss Lambert 2-5.
 First and Second Term Algebra, Mr. Daugherty 3.
 Beginning Geometry, Mr. Wright 2.
 Middle Geometry, Mr. Wright 1.

HISTORY:

COLLEGE COURSES

Greek History, Miss Rice 4.
 Renaissance and Reformation, Miss Riggs 3.
 American History I., Miss Riggs 5.
 Method History I. (2 hrs.) (Tu. Th.), Miss Riggs 6.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Half United States History, Miss Rice 1-2.
 Second Half United States History, Miss Rice 5.
 Complete United States History, Miss Riggs 4; Mr. Mitchell 2.

GOVERNMENT:

COLLEGE COURSES

American Government, Mr. Meyerholz 2; Mr. Peterson 4.
 English Government (3 hrs.) (M.W. F.), Mr. Peterson 6.
 Municipal Government (3 hrs.) (M. W. F.), Mr. Meyerholz 3.
 American Constitutional History I., Mr. Meyerholz 6.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Elementary Civics of Iowa, Mr. Peterson 3.
 Elementary Civics of the United States, Mr. Peterson 2.
 Review of Iowa and U. S. Civics (non-credit), Mr. Meyerholz 1.

ECONOMICS:

COLLEGE COURSES

General Economics, Mr. McKitrick 6; Mr. Mitchell 1.
 Social and Economic Problems I. (3 hrs.), Mr. McKitrick 1.
 Sociology (2 hrs.), Mr. McKitrick 1.
 American Industrial History I. (3 hrs.), Mr. Mitchell 7.
 English Industrial History (2 hrs.), Mr. Mitchell 7.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Elementary Economics, Mr. McKitrick 2; Mr. Mitchell 4.

LATIN:

COLLEGE COURSES

- Latin I. (Livy and Latin Composition), Mr. Merchant 1.
 Latin IV. (Latin Composition) (2 hrs.) (Tu. Th.), Mr. Merchant 3.
 Latin VII. (Roman Literature) (3 hrs.) (M. W. F.), Mr. Merchant 2.
 Latin X. (Historical Latin Grammar) (2 hrs.) (Tu. Th.), Mr. Merchant 4.
 Greek I. (3 hrs.) (M. W. F.), Mr. Merchant 3.
 Greek IV. (2 hrs.) (Tu. Th.), Mr. Merchant 2.
 Vergil I. (Vergil's Aeneid), Miss Call 5.
 College Ele. Latin I., Mr. Merchant 6.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- First Term Latin Lessons, Miss Call 2.
 First Term Caesar and Latin Composition, Miss Call 4.
 Second Term Caesar and Latin Composition, Miss Call 3.

GERMAN AND FRENCH:

COLLEGE COURSES

- German I. (Die Jungfrau von Orleans), Miss Lorenz 5.
 German II. (Emilia Galotti and Lyrics and Ballads), Miss Lorenz 2.
 German III. (Nathan der Weise), Miss Lorenz 1.
 German VI. (Der dreissigjaehrige Krieg), Mr. Knoepfler 3.
 German IX. (German Lessons), Mr. Knoepfler 5.
 German XII. (Die Journalisten), Miss Lorenz 6.
 French I. (French Lessons), Mr. Knoepfler 1.
 French IV. (L'histoire d'un jeune Homme pauvre and Colomba), Mr. Knoepfler 2.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- First Term German, Miss Nolte 6.
 Second Term German, Miss Nolte 2.
 Third Term German, Miss Nolte 3.
 Fourth Term German, Miss Nolte 4.

PHYSICS AND CHEMISTRY:

COLLEGE COURSES

- Physics I. (Mechanics and Sound) (3 hrs.) (M. W. F.), Mr. Begeman 2.
 Physics II. (Laboratory Physics in Mechanics) (2 hrs.) (Tu. Th.), Mr. Begeman 7 and 8.
 Physics VII. (Advanced Mechanics) (3 hrs.) (M. W. F.), Mr. Begeman 6 and 7.

DIPLOMA COURSES

- Same as College Courses and
 Physics XI. (Sound) (3 hrs. or 5 hrs.), Mr. Begeman 4.
 Physics XIV. (Physics or Common Things) (3 hrs.), Mr. Begeman 5.

NORMAL COURSES

- First Term Physics, Mr. Hersey 1-2; Mr. Read 3-4.
 First Term Physics Laboratory, Mr. Read 7 and 8.
 Second Term Physics, Mr. Hersey 3.
 Second Term Physics Laboratory, Mr. Hersey 5 and 6.

CHEMISTRY:

COLLEGE COURSES

- Chemistry I. (General Inorganic Chemistry), Mr. Getchell 3.
 Chemistry II. (General Inorganic Chemistry), Mr. Getchell 6.
 Quantitative Analysis, Mr. Getchell 5.
 Chemistry IX. (Inorganic), Mr. Getchell 7; Mr. Bond 4; Mr. Read 1.
 Chemistry XII. (Chemistry of Food and Nutrition), Mr. Bond 5.
 Chemistry XIII. (Food Analysis), Mr. Bond 1.
 Chemistry Laboratory as arranged (under each division).

NATURAL SCIENCE:

COLLEGE COURSES

- Zoology I. Mr. Arey 1-3.
 Zoology I. Laboratory (M. W. or Tu. Th.), Mr. Arey 7 and 8.
 Physiology I., Mr. Newton 1.
 Hygiene and Sanitation (a), Mr. Newton 3.
 Hygiene and Sanitation (b) (3 hrs.), Mr. Newton 4-5.
 Physiography I., Mr. Cable 2.
 Mineralogy I., Mr. Cable 4.
 Agriculture I., Mr. Oldenburg 1.
 Commercial and Economic Geography of North America, Miss Aitchison 6.
 Botany I., Mr. Palmer 3.
 Botany Laboratory, Mr. Palmer 3 and 4.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- Elementary Zoology, Mr. Arey 5.
 Elementary Physiology, Mr. Newton 2.
 First Elementary Agriculture, Mr. Oldenburg 2-5; Mr. 3-4.
 Agriculture Laboratory, Mr. Oldenburg 6 and 7; Mr. 7 and 8.
 First Half Geography, Miss Aitchison 1.
 Second Half Geography, Miss Aitchison 2.
 Complete Geography, Miss Aitchison 3.
 Elementary Botany, Mr. Palmer 1-2.
 Elementary Physiography, Mr. Cable 1-5.

MANUAL ARTS:

COLLEGE COURSES

- Manual Training Methods I., Mr. Bailey 2.
 Woodwork I. (3 hrs.) (M. W. F.), Mr. Brown 7 and 8.
 Mechanical Drawing I. (2 hrs.) (Tu. Th.), Mr. Bailey 7 and 8.
 Mechanical Drawing IV. (2 hrs.) (Tu. Th.), Mr. Bailey 7 and 8.
 Mechanical Drawing II. (3 hrs.) (M. W. F.), Mr. Bailey 3 and 4.
 Mechanical Drawing III. (3 hrs.) (M. W. F.), Mr. Bailey 3 and 4.
 Wood Turning (2 hrs.), Mr. Brown 3 and 4.
 Advanced Woodwork, Mr. Brown 3 and 4.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Primary Handwork, Miss Dandliker 1-2.
 Handwork for Rural Schools, Miss Schuneman 3-4.
 Woodwork for Rural Schools, Mr. Brown 5-6.
 Elementary Woodwork, Mr. Brown 3 and 4.
 Elementary Mechanical Drawing, Mr. Bailey 7 and 8.

ART:

COLLEGE COURSES

Cast Drawing I. (2½ hrs.), Miss Patt 5.
 Still-life (2½ hrs.), Miss Thornton 2.
 Perspective (2½ hrs.), Miss Thornton 1.
 Water-Color (2½ hrs.), Miss Thornton 4.

DIPLOMA COURSES

Same as College Courses and
 Kindergarten Drawing I. (2½ hrs.), Miss Patt 2.
 Primary Drawing I. (2½ hrs.), Miss Patt 3-4.

NORMAL COURSES

Drawing for Rural Schools, Miss Schuneman 1-2.

HOME ECONOMICS:

COLLEGE COURSES

Elementary Food Theory I. (2 hrs.) (Tu. Th.), Miss Young 1 and 2; 3 and 4; 5 and 6.
 Principles of the Selection and Preparation of Foods I. (3 hrs.) (M. W. F.), Miss Young 3-4-5.
 Advanced Cookery (1 hr.) (Wed.), Miss Young 1 and 2; 7 and 8; (Thurs.) Miss Roberts 3 and 4.

DIPLOMA COURSES

Same as College Courses and
 Dietetics (1 hr.) (Mon.), Miss Young 1 and 2; 7 and 8; (Tues.) Miss Roberts 3 and 4.
 First Term Sewing (Sub-collegiate)
 Sections A and B (M. W. F. 1 and M. W. 2), Miss Roberts and Miss Freer.
 Section C (M. W. F. 3 and M. W. 4), Miss Roberts.
 Section D (Tu. Th. 3 and Tu. Th. F. 4), Miss Freer.
 Sections E and F (M. W. 5 and M. W. F. 6), Miss Roberts and Miss Freer.

NORMAL COURSES

First Domestic Science:
 Section A (Daily 1 and Tu. Th. 2), Miss Osborne and Miss Hurd.
 Section B (Daily 3 and M. W. 4), Miss Osborne and Miss Hurd.
 Section C (Daily 5 and Tu. Th. 6), Miss Osborne and Miss Hurd.

Second Domestic Science:

Section A (Daily 2 and M. W. 1), Miss Osborne and Miss Hurd.

Section B (Daily 3 and Tu. Th. 4), Miss Osborne and Miss Hurd.

COMMERCIAL EDUCATION:

DIPLOMA COURSES

Commercial Correspondence, Mr. Coffey 5.
 First Term Shorthand (Sub-collegiate), Mr. Coffey 3.
 Second Term Shorthand (Sub-collegiate), Mr. Coffey 2.
 Typewriting (Sub-collegiate), Mr. Coffey 4.

NORMAL COURSES

Elementary Bookkeeping, Mr. Cummins 2.
 First Term Shorthand, Mr. Coffey 3.
 Second Term Shorthand, Mr. Coffey 2.
 Typewriting, Mr. Coffey 4.
 First Term Penmanship, Mr. Cummins 1-3-5-6.
 Advanced Penmanship, Mr. Cummins 4.

MUSIC:

COLLEGE COURSES

Music I. (2½ hrs.), Miss Barr 1.
 Music II. (2½ hrs.), Mr. Fullerton 3.
 History of Music I. (2 hrs.) (Tu. Th.), Miss Childs 2.
 History of Music II. (3 hrs.) (M. W. F.), Miss Childs 6.
 Harmony I. (3 hrs.) (M. W. F.), Miss Thomson 2.
 Harmony II. (2 hrs.) (Tu. Th.), Miss Thomson 6.
 Harmony III. (3 hrs.) (M. W. F.), Miss Thomson 4.

DIPLOMA COURSES

Same as College Courses and
 Methods (Upper Grades) (2½ hrs.) (M. W. F.), Miss Hooper 4.
 High School Music and Child Voice (2½ hrs.), Mr. Fullerton 1.

DIPLOMA COURSES

First Term Music, Mr. Fullerton 2-4; Miss Barr 4; Miss Hooper 1; Miss Thomson 5.
 Second Term Music, Miss Barr 3.

PHYSICAL EDUCATION:

COLLEGE COURSES

Anatomy I., Mr. Seymour 3.
 Theory of Physical Education, Mr. Seymour 4; Miss Hussey 4.
 Theory of Athletics I. (2 hrs.) (M. W.), Mr. Seymour 5.

DIPLOMA COURSES

Same as College Courses and
 Anthropometry (3 hrs.), Mr. Seymour 2.
 Physical Diagnosis (2 hrs.), Mr. Seymour 2; Miss Hussey 2.

PRACTICAL WORK

First Physical Training (Primary), Miss Wild 4-5.
 First Physical Training (M. W.), Miss Hussey 5; Miss Nisbet 6;
 Miss Grantham 3.

First Physical Training (Tu. Th.), Miss Nisbit 4-7.
 Second Physical Training (Tu. Th.), Miss Wild 6.
 Third Physical Training (Tu. Th.), Miss Nisbet 8.
 Third Physical Training (M. W.), Miss Grantham 6.
 Gymnastics, Miss Hussey 7.
 Tennis (Tu. Th.), Miss Nisbet 3; Mr. Berkstresser 5; Miss Wild 7.
 Tennis (M. W.), Mr. Berkstresser 3-4-5; Miss Nisbet 5.
 Swimming (Tu. Th.), Mr. Berkstresser 4; Miss Wild 8; Miss Nisbet 6; Miss Grantham 3-7.
 Swimming (M. W.), Miss Wild 6; Miss Nisbet 3; Miss Grantham 4-5.
 Tennis, Mr. Seymour 6.
 Esthetic Dancing (Tu. Th.), Miss Hussey 6.
 Folk Dancing (Tu. Th.), Miss Nisbet 5.
 Folk Dancing (M. W.), Miss Grantham 7-8.
 Athletics (M. W.), Miss Hussey 8.
 First Rhythm (M. W.), Miss Wild 7.
 Hockey (M. W.), Miss Nisbet 7.
 Baseball (Tu. Th.), Miss Grantham 6.
 Advanced Gymnastics (M. W.), Mr. Seymour 8.
 Plays and Games (Tu. Th.), Mr. Seymour 5; Mr. Berkstresser 3.
 Elementary Football, Mr. Berkstresser 6.
 Football, Mr. Berkstresser 7 and 8.
 Corrective Work, Miss Hussey 8; Miss Grantham 5.

WINTER TERM

EDUCATION:

COLLEGE COURSES

Psychology I., Mr. Samson 4.
 Psychology II., Mr. Samson 1-2-5.
 School Management, Mr. Colegrove 3; Mr. Buffum 3.
 History of Education, Mr. Walters 1-2; Mr. Buffum 6.
 Philosophy of Education, Mr. Walters 4.
 Logic (2 hrs.) (Tu. Th.), Mr. Walters 6.
 Experimental Psychology, Mr. Mount 7.
 Genetic Psychology, Mr. Mount 1.

DIPLOMA COURSES

Same as College Courses and
 Psychology I., Miss Buck 3-4-5.
 Psychology II., Mr. Colegrove 1-2; Mr. Mount 3-4; Miss Buck 6;
 Mr. Buffum 1-2.
 Primary Methods I. (2½ hrs.), Miss McGovern 5.
 Primary II. (2½ hrs.), Miss McGovern 1-2-3.

RURAL EDUCATION:

COLLEGE COURSES

Rural School Problems, Mr. Hart 3.

NORMAL COURSES

Didactics, Mr. Campbell 1.
 Elementary Psychology, Mr. Campbell 3.
 General Methods, Mr. Hart 1.
 Observation and Teaching, Mr. Hart 2.
 The Country School, Mr. Campbell 4.

TEACHING:

COLLEGE COURSES

Illustrative Teaching (1½ hrs.), Mr. Stone, Miss Fesenbeck, Miss Hughes, Miss Luse, Miss Correll, Miss Cresswell 5.
 Practice Teaching as arranged.
 Conference Teaching (½ hr.) as arranged.

DIPLOMA COURSES

Same as College Courses and
 Kindergarten Theory II. (2½ hrs.), Miss Brown 2.
 Kindergarten Theory IV. (2½ hrs.), Miss Brown 4.
 Criticism (M. T. W. Th.), Miss Scofield 6.

NORMAL COURSES

Rural Demonstration Teaching, Mr. Stone and Training School Critics 2.

ENGLISH:

COLLEGE COURSES

College Rhetoric, Mr. Fagan 2-3-5; Miss Siner 3.
 Advanced Exposition, Mr. Lynch 2.
 Public Speaking I., Mr. Barnes 3.
 Public Speaking II. (3 hrs.), Mr. Barnes 5.
 Argumentation I. (3 hrs.), Mr. Barnes 2.
 Argumentation II. (3 hrs.), Mr. Barnes 2.
 English Literature, Mr. Gist 3; Miss Carpenter 1-3; Miss Lambert 2-4.
 Anglo-Saxon (3 hrs.) (M. W. F.), Mr. Gist 5.
 History of the English Language (2 hrs.) (Tu. Th.), Mr. Gist 5.
 The History of the English Drama II., Miss Lambert 1.
 Tennyson (3 hrs.), Mr. Gist 2.
 American Literature, Mr. Lynch 3.
 The English Romantic Movement, Miss Carpenter 4.
 Elocution I., Miss Martin 2; Miss Falkler 3; Miss Shanewise 4.
 Elocution II., Miss Martin 1; Miss Shanewise 3.
 Applied Drama, Miss Martin 4.
 Repertoire I., Miss Martin 3.
 The Teaching of English, Mr. Lynch 7.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Half Language and Grammar, Miss Hutchison 1-4-5.
 Second Half Language and Grammar, Miss Gregg 5.
 Complete Language and Grammar, Miss Gregg 3-4.
 Reading, Miss Falkler 4-5.
 Elementary Elocution, Miss Falkler 2.
 First Half English Composition, Miss Siner 1.
 Second Half English Composition, Miss Siner 5.
 First Term English Classics, Miss Oliver 4.
 Second Term English Classics, Miss Gregg 2.
 Orthography (a), Miss Oliver 1-2.

MATHEMATICS:

COLLEGE COURSES

Solid Geometry, Mr. Wright 1.
 College Algebra I, Miss Lambert 3-6.
 Plane Trigonometry, Mr. Condit 2.
 Differential Calculus, Mr. Condit 3.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Half Arithmetic, Mr. Daugherty 2-4.
 Second Half Arithmetic, Miss Lambert 2-5; Mr. Daugherty 6.
 Complete Arithmetic, Mr. Condit 5-6.
 First Term Algebra, Miss Allen 4.
 Second Term Algebra, Miss Allen 1-2.
 Third Term Algebra, Miss Allen 5.
 First and Second Term Algebra, Mr. Daugherty 1.
 Beginning Geometry, Mr. Wright 4.
 Middle Geometry, Mr. Wright 3.

HISTORY:

COLLEGE COURSES

Roman History, Miss Rice 3.
 American History I, Miss Riggs 2.
 18th Century History I. (2 hrs.) (Tu. Th.), Miss Riggs 5.
 19th Century History I. (3 hrs.) (M. W. F.), Miss Riggs 4.
 American History II. (3 hrs.) (M. W. F.), Miss Riggs 5.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Half United States History, Miss Rice 4.
 Second Half United States History, Miss Rice 5.
 Complete United States History, Miss Riggs 3; Mr. Mitchell 1.
 First Term General History, Miss Rice 2.

GOVERNMENT:

COLLEGE COURSES

American Government, Mr. Meyerholz 2; Mr. Peterson 3.
 Modern European Governments (3 hrs.), Mr. Meyerholz 5.
 American Constitutional History II., Mr. Meyerholz 6.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Elementary Civics of Iowa, Mr. Peterson 5.
 Elementary Civics of the United States, Mr. Peterson 4.
 Review of Iowa and U. S. Civics (non-credit), Mr. Meyerholz 3;
 Mr. Peterson 1.

ECONOMICS:

COLLEGE COURSES

General Economics, Mr. McKitrick 6; Mr. Mitchell 2.
 Social and Economic Problems II. (3 hrs.), Mr. McKitrick 1.
 Sociology (2 hrs.), Mr. McKitrick 1.
 American Industrial History II. (3 hrs.), Mr. Mitchell 7.
 Public Finance I. (2 hrs.), Mr. McKitrick 7.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Elementary Economics, Mr. McKitrick 2; Mr. Mitchell 4.

LATIN:

COLLEGE COURSES

Latin II. (Livy and the Epodes of Horace), Mr. Merchant 1.
 Latin V. (Latin Composition) (2 hrs.), Mr. Merchant 3.
 Latin VIII. (Roman Literature) (3 hrs.), Mr. Merchant 2.
 Latin XI. (Historical Latin Grammar) (2 hrs.), Mr. Merchant 4.
 Greek II. (3 hrs.), Mr. Merchant 3.
 Greek V. (2 hrs.), Mr. Merchant 2.
 College Ele. Latin II., Mr. Merchant 6.
 Cicero I., Miss Call 3.
 Vergil II., Miss Call 5.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Second Term Latin Lessons, Miss Call 2.
 Second Term Caesar and Latin Composition, Miss Call 4.

GERMAN AND FRENCH:

COLLEGE COURSES

German I. (Die Jungfrau von Orleans), Miss Lorenz 5.
 German II. (Emilia Galotti and Lyrics and Ballads), Miss Lorenz 2.
 German IV. (German Prose Composition), Miss Lorenz 3.
 German VII. (Modern German Prose, or Scientific German), Mr. Knoepfler 3.
 German X (German Lessons), Mr. Knoepfler 5.
 German XII (Die Journalisten), Miss Lorenz 6.
 French II. (French Lessons), Mr. Knoepfler 1.
 French V. (Le Bourgeois Gentilhomme and La Mare au Diable), Mr. Knoepfler 2.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Term German, Miss Nolte 4.
 Second Term German, Miss Nolte 6.
 Third Term German, Miss Nolte 3.
 Fourth Term German, Miss Nolte 2.

PHYSICS AND CHEMISTRY:

COLLEGE COURSES

- Physics I. (Mechanics and Sound) (3 hrs.) (M. W. F.), Mr. Bege-
man 2.
- Physics II. (Laboratory Physics in Mechanics) (2 hrs.), Mr. Bege-
man 7 and 8.
- Physics V. (Electricity and Magnetism) (3 hrs.) (Tu. Th. F.)
Mr. Begeman 4.
- Physics VI. (Laboratory Physics in Electricity and Magnetism)
(2 hrs.) (M. W.), Mr. Begeman 5 and 6.
- Physics VIII. (Advanced Course in Light) (3 hrs.), Mr. Begeman
5 and 6.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- First Term Physics, Mr. Hersey 3; Mr. Read 1-2.
- First Term Laboratory Physics, Mr. Hersey 7 and 8; Mr. Read 5
and 6.
- Second Term Physics, Mr. Hersey 4-5; Mr. Read 3.
- Second Term Laboratory Physics, Mr. Hersey 7 and 8.

CHEMISTRY:

COLLEGE COURSES

- Chemistry II. (General Inorganic Chemistry), Mr. Getchell 3.
- Chemistry III. (Chemistry of Metals and Qualitative Analysis),
Mr. Getchell 6.
- Quantitative Analysis, Mr. Getchell 7 and 8.
- Chemistry X., Mr. Bond 4-7; Mr. Getchell 1.
- Chemistry XIII. (Food Analysis), Mr. Bond 5.
- Chemistry XIV. (Textiles) (3 hrs. or 2 hrs.), Mr. Bond 6.
- Chemical Laboratory as arranged (under each division).

NATURAL SCIENCE:

COLLEGE COURSES

- Zoology II., Mr. Arey 1.
- Hygiene and Sanitation (a), Mr. Newton 2-4-5.
- Influence of Geography upon American History, Mr. Cable 4.
- Geology I., Mr. Cable 2.
- Agriculture II., Mr. Oldenburg 1.
- Commercial Geography of Europe, Miss Aitchison 5.
- Botany II., Mr. Palmer 3.
- Botany II. Laboratory (Tu. Th.), Mr. Palmer 4.
- Botany IV. (3 hrs.) (Tu. W. Th.), Mr. Palmer 5-6.
- Bacteriology (2 hrs.) (Tu. Th.), Mr. 6 and 7.
- Zoology II. Laboratory (M. W.), Mr. Arey 7 and 8.
- Agriculture Laboratory as arranged.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- Elementary Physiology, Mr. Newton 3.
- First Elementary Agriculture, Mr. 2-3-5.

Second Elementary Agriculture, Mr. Oldenburg 2-3.
 First Half Geography, Miss Aitchison 1.
 Second Half Geography, Miss Aitchison 2.
 Complete Geography, Miss Aitchison 3.
 Elementary Botany, Mr. Palmer 2.
 Elementary Physiography, Mr. Cable 1-3.
 Agriculture Laboratory as arranged.

MANUAL ARTS:

COLLEGE COURSES

Manual Training Methods II (3 hrs.) (M. W. F.), M. Bailey 4.
 Woodwork I. (3 hrs.) (M. W. F.), Mr. Brown 3 and 4.
 Advanced Woodwork, Mr. Brown 5 and 6.
 Mechanical Drawing I. (2 hrs.) (Tu. Th.), Mr. Bailey 3 and 4.
 Mechanical Drawing IV. (2 hrs.) (Tu. Th.), Mr. Bailey 3 and 4.
 Mechanical Drawing II. (3 hrs.) (M. W. F.), Mr. Bailey 5 and 6.
 Mechanical Drawing III. (3 hrs.) (M. W. F.), Mr. Bailey 5 and 6.
 Wood Turning (2 hrs.), Mr. Brown 5 and 6.
 Sheet Metal Work I. (2½ hrs.), Mr. Bailey 2.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Primary Handwork, Miss Dandliker 1.
 Elementary Handwork, Miss Dandliker 2.
 Handwork for Rural Schools, Miss Schuneman 2-3.
 Woodwork for Rural School, Mr. Brown 1-7.
 Elementary Woodwork, Mr. Brown 3 and 4.
 Elementary Mechanical Drawing, Mr. Bailey 3.

ART:

COLLEGE COURSES

History of Architecture and Sculpture, Miss Thornton 5.
 Cast Drawing II. (2½ hrs.), Miss Patt 5.
 Still-life (2½ hrs.), Miss Thornton 4.
 Perspective (2½ hrs.), Miss Thornton 6.

DIPLOMA COURSES

Same as College Courses and
 Kindergarten Drawing II. (2½ hrs.), Miss Thornton 3.
 Primary Drawing I. (2½ hrs.), Miss Patt 1-2-3.
 Primary Drawing II. (2½ hrs.), Miss Schuneman 1.

NORMAL COURSES

Drawing for Rural Schools, Miss Schuneman 4.

HOME ECONOMICS:

COLLEGE COURSES

Elementary Food Theory II. (2 hrs.) (Tu. Th.), Miss Young 1 and 2; 3 and 4; 5 and 6.
 Principles of the Selection and Preparation of Foods II. (3 hrs.) (M. W. F.), Miss Young 3-4-5.

DIPLOMA COURSES

- Same as College Courses and
 Household Architecture (2 hrs.) (M. W.), Miss Young 3.
 Dietetics (1 hr.) (Tues.), Miss Roberts 3 and 4.
 Serving (1 hr.), Miss Young 7 and 8.
 Second Term Sewing (Sub-collegiate):
 Sections A and B (M. W. F. 1 and M. W. 2), Miss Roberts
 and Miss Freer.
 Section C (M. W. F. 3 and M. W. 4), Miss Roberts.
 Section D (Tu. Th. 3 and Tu. Th. F. 4), Miss Freer.
 Sections E and F (M. W. 5 and M. W. F. 6), Miss Roberts
 and Miss Freer.

NORMAL COURSES

- First Domestic Science:
 Section A (Daily 1 and Tu. Th. 2), Miss Osborne and Miss
 Hurd.
 Section B (Daily 3 and M. W. 4), Miss Osborne and Miss
 Hurd.
 Section C (Daily 5 and Tu. Th. 6), Miss Osborne and Miss
 Hurd.
 Second Domestic Science:
 Section A (Daily 2 and M. W. 1), Miss Osborne and Miss
 Hurd.
 Section B (Daily 4 and Tu. Th. 3), Miss Osborne and Miss
 Hurd.

COMMERCIAL EDUCATION:

DIPLOMA COURSES

- Accounting I. Mr. Cummins 1.
 First Term Shorthand (Sub-collegiate), Mr. Coffey 2.
 Second Term Shorthand (Sub-collegiate), Mr. Coffey 1.
 Third Term Shorthand (Sub-collegiate), Mr. Coffey 3.
 Typewriting (Sub-collegiate), Mr. Coffey 4.

NORMAL COURSES

- Elementary Bookkeeping, Mr. Cummins 2.
 First Term Shorthand, Mr. Coffey 2.
 Second Term Shorthand, Mr. Coffey 1.
 Third Term Shorthand (Sub-collegiate), Mr. Coffey 3.
 Typewriting, Mr. Coffey 4.
 First Term Penmanship, Mr. Cummins 3-5-6.
 Advanced Penmanship, Mr. Cummins 4.

MUSIC:

COLLEGE COURSES

- Music I. (2½ hrs.), Mr. Fullerton 2.
 History of Music I. (2 hrs.) (Tu. Th.), Miss Childs 4.
 History of Music II. (3 hrs.) (M. W. F.), Miss Childs 3.
 Harmony I. (3 hrs.) (M. W. F.), Miss Thomson 4.
 Harmony III. (3 hrs.) (M. W. F.), Miss Thomson 6.

DIPLOMA COURSES

Same as College Courses and
 Sight Singing—Upper Grades (2½ hrs.), Mr. Fullerton 3.
 Sight Singing—Lower Grades (2½ hrs.), Miss Hooper 2.
 Theory of Music (2½ hrs.), Miss Thomson 1.

NORMAL COURSES

First Term Music, Mr. Fullerton 1-4; Miss Barr 4; Miss Hooper 5.
 Second Term Music, Miss Barr 3-6.

PHYSICAL EDUCATION:

COLLEGE COURSES

Anatomy II., Mr. Seymour 3.
 Playground Methods I. (3 hrs.) (M. W. F.), Mr. Seymour 5.
 History of Physical Training (3 hrs.) (M. W. F.), Mr. Seymour 4.
 First Aid to the Injured (2 hrs.) (Tu. Th.), Mr. Seymour 4.

PRACTICAL WORK

First Physical Training (M. W.), Miss Nisbet 6.
 Second Physical Training (M. W.), Miss Hussey 4-5; Miss Grantham 3.
 Second Physical Training (Tu. Th.), Miss Hussey 5-6; Miss Grantham 4-7.
 Third Physical Training (M. W.), Miss Wild 4.
 Third Physical Training (Tu. Th.), Miss Wild 4-6; Miss Nisbet 5.
 Department Gymnastics (M. W. F.), Miss Hussey 7.
 Advanced Gymnastics (Fri.), Mr. Seymour 6.
 First Gymnastics (M. W.), Mr. Berkstresser 4-6.
 Esthetic Dancing (Tu. Th.), Miss Hussey 7.
 Athletics (Tu. Th.), Miss Hussey 8.
 Basketball (M. W.), Miss Wild 3.
 Basketball (Tu. Th.), Miss Nisbet 6-7.
 Basketball League, Mr. Berkstresser 7.
 Basketball Team, Mr. Berkstresser 8.
 Folk Dancing (M. W.), Miss Wild 5; Miss Grantham 7.
 Folk Dancing (Tu. Th.), Miss Nisbet 4; Miss Grantham 3-5.
 Advanced Folk Dancing (M. W.), Miss Nisbet 8.
 First Rhythm (Tu. Th.), Miss Wild 5.
 First Rhythm (M. W.), Miss Grantham 6.
 Plays (M. W.), Miss Wild 7.
 Games (Tu. Th.), Miss Wild 8.
 Indoor Games (M. W.), Miss Nisbet 4-5.
 Swimming (M. W.), Mr. Berkstresser 5.
 Swimming (Tu. Th.), Mr. Berkstresser 4.
 Second Gymnastics (Tu. Th.), Mr. Berkstresser 6.
 Plays and Games (Tu. Th.), Mr. Seymour 5.
 Gymnastic Team, Mr. Seymour 8.
 Corrective Work (M. W.), Miss Nisbet 3-7.
 Corrective Work (Tu. Th.), Miss Grantham 6-8.
 Dancing, Miss Grantham 5.

SPRING TERM

EDUCATION:

COLLEGE COURSES

Psychology I., Mr. Samson 5.
 Psychology II., Mr. Samson 2-3

School Management, Mr. Colegrove 1-2-3; Mr. Buffum 3-5-6.
 History of Education, Mr. Walters 1-2.
 Philosophy of Education, Mr. Walters 4.
 Ethics (2 hrs.), Mr. Samson 6.
 Experimental Psychology, Mr. Mount 5.
 Genetic Psychology, Mr. Mount 4.
 Educational Classics, Mr. Walters 5

DIPLOMA COURSES

Same as College Courses and
 Psychology I., Miss Buck 1-2.
 Psychology II., Mr. Mount 1-2; Miss Buck 3-5.
 Primary Methods I. (2½ hrs.), Miss McGovern 4.
 Primary Methods II. (2½ hrs.), Miss McGovern 3.
 Primary Methods III. (1 hr.) (M. W. or Tu. Th.), Miss McGovern 1-2.

RURAL EDUCATION:

NORMAL COURSES

Didactics, Mr. Campbell 1.
 Elementary Psychology, Mr. Campbell 3.
 General Methods, Mr. Hart 1.
 Observation and Teaching, Mr. Hart 2.
 The County School, Mr. Campbell 4.

TEACHING:

COLLEGE COURSES

Illustrative Teaching (1½ hrs.), Mr. Stone, Miss Fesenbeck, Miss Hughes, Miss Luse, Miss Correll, Miss Cresswell 5-6.
 Practice Teaching as arranged.
 Conference Teaching (½ hr.) as arranged.

DIPLOMA COURSES

Same as College Courses and
 Kindergarten Theory and Observation (2 hrs.), Miss Brown 3.
 Kindergarten Theory III. (2½ hrs.), Miss Brown 2.
 Kindergarten Theory V. (3 hrs.), Miss Brown 4.
 Primary Theory and Observation (2 hrs.), Miss Scofield 2-5.
 Criticism, Miss Scofield 6.

NORMAL COURSES

Rural Demonstration Teaching, Mr. Stone and Training School Critics 2.

ENGLISH:

COLLEGE COURSES

College Rhetoric, Mr. Fagan 2-3-6.
 Public Speaking I., Mr. Barnes 1.
 Public Speaking II., (3 hrs.), Mr. Barnes 5.
 Argumentation I. (3 hrs.), Mr. Barnes 2.
 The Oration, Mr. Barnes 3.
 English Literature, Mr. Gist 1; Miss Carpenter 1; Miss Lambert 4; Miss Siner 2.
 Middle English, Mr. Gist 4.
 Shakespeare, Mr. Gist 3.

- English Literature of the Nineteenth Century, Miss Lambert 1.
 American Literature, Miss Carpenter 3.
 Recent American Literature (3 hrs.), Miss Lambert 2.
 The Development of the English Novel, Miss Carpenter 4.
 Elocution I., Miss Falkler 2-3; Miss Shanewise 2.
 Elocution II., Miss Shanewise 3-4.
 Repertoire I., Miss Martin 1.
 Principles of Expression, Miss Martin 2.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- First Half Language and Grammar, Miss Hutchison 2-4.
 Second Half Language and Grammar, Miss Hutchison 3-5.
 Complete Language and Grammar, Miss Gregg 2-3-5.
 Reading, Miss Falkler 5.
 Elementary Elocution, Miss Falkler 4.
 First Half English Composition, Miss Siner 1.
 Second Half English Composition, Miss Siner 4.
 First Term English Classics, Miss Oliver 4.
 Second Term English Classics, Miss Gregg 4.
 Orthography (a), Miss Oliver 1-3.
 Orthography (b) (Tu. Th.), Miss Oliver 5.

MATHEMATICS:

COLLEGE COURSES

- Solid Geometry, Mr. Wright 4.
 College Algebra I., Miss Lambert 5.
 Plane Trigonometry, Mr. Daugherty 3.
 College Algebra II., Mr. Condit 2.
 Spherical Trigonometry (2 hrs.), Mr. Daugherty 6.
 Surveying (3 hrs.), Mr. Daugherty 6.
 History and Teaching of Mathematics, Mr. Condit 5.
 Integral Calculus, Mr. Condit 3.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- First Half Arithmetic, Miss Lambert 2.
 Second Half Arithmetic, Mr. Daugherty 4.
 Complete Arithmetic, Mr. Condit 1; Miss Allen 4; Mr. Daugherty 2.
 First Term Algebra, Miss Lambert 3.
 Second Term Algebra, Miss Allen 3-6.
 First and Second Term Algebra, Miss Lambert 1.
 Third Term Algebra, Miss Allen 1.
 Beginning Geometry, Mr. Wright 6.
 Middle Geometry, Mr. Wright 5.
 Solid Geometry, Mr. Wright 2.

HISTORY:

COLLEGE COURSES

- English History, Miss Rice 4.
 Renaissance and Reformation, Miss Riggs 1.
 19th Century History II. (3 hrs.) (M. W. F.), Miss Riggs 5.
 Method History II. (2 hrs.) (Tu. Th.), Miss Riggs 5.
 18th Century History II. (3 hrs.) (M. W. F.), Miss Riggs 2.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Half United States History, Miss Rice 1-2.

Complete United States History, Miss Rice 3; Mr. Mitchell 2.

Second Term General History, Miss Riggs 3.

GOVERNMENT:

COLLEGE COURSES

American Government, Mr. Meyerholz 1; Mr. Peterson 4.

Local Government and Problems (3 hrs.), Mr. Meyerholz 5.

Political Parties (3 hrs.), Mr. Peterson 5.

Constitutional Law, Mr. Meyerholz 3.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Elementary Civics of Iowa, Mr. Peterson 2.

Elementary Civics of the United States, Mr. Peterson 6.

Review of Iowa and U. S. Civics (non-credit), Mr. Meyerholz 2.

ECONOMICS:

COLLEGE COURSES

General Economics, Mr. McKitrick 6; Mr. Mitchell 1.

Social and Economic Problems III. (3 hrs.), Mr. McKitrick 1.

Sociology (2 hrs.), Mr. McKitrick 1.

American Industrial History III. (3 hrs.), Mr. Mitchell 7.

Public Finance II. (2 hrs.), Mr. McKitrick 7.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

Elementary Economics, Mr. McKitrick 2; Mr. Mitchell 4.

LATIN:

COLLEGE COURSES

Latin III. (The Odes of Horace), Mr. Merchant 1.

Latin VI. (Latin Composition) (2 hrs.), Mr. Merchant 3.

Latin IX. (Roman Literature) (3 hrs.), Mr. Merchant 2.

Latin XII. (Historical Latin Grammar) (2 hrs.), Mr. Merchant 4.

Greek III. (3 hrs.), Mr. Merchant 3.

Greek VI. (2 hrs.), Mr. Merchant 2.

College Ele. Latin III., Mr. Merchant 6.

Cicero I., Miss Call 3.

Cicero II., Miss Call 4.

Ovid, Miss Call 5.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

First Term Caesar and Latin Composition, Miss Call 2.

GERMAN AND FRENCH:

COLLEGE COURSES

- German I. (Die Jungfrau von Orleans), Miss Lorenz 5.
 German II. (Emilia Galotti and Lyrics and Ballads), Miss Lorenz 2.
 German V. (Iphigenie auf Tauris and Die Braut von Messina),
 Miss Lorenz 3.
 German VIII. (German Classics, or History of German Language
 and Literature), Mr. Knoepfler 3.
 German XI. (Immensee and Hoehher als die Kirche), Mr. Knoep-
 fler 5.
 German XII. (Die Journalisten), Miss Lorenz 6.
 French III. (Le Voyage de M. Perrichon and L'Abbe Constantin),
 Mr. Knoepfler 1.
 French VI. (Le Gendre de M. Poirier and Un Philosophe sous les
 Toits) Mr. Knoepfler 2.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- First Term German, Miss Nolte 4.
 Second Term German, Miss Nolte 2.
 Third Term German, Miss Nolte 6.
 Fourth Term German, Miss Nolte 3.

PHYSICS AND CHEMISTRY.

COLLEGE COURSES

- Physics I. (Mechanics and Sound) (3 hrs.) (M. W. F.), Mr. Bege-
 man 2.
 Physics II. (Laboratory Physics in Mechanics) (M. W.) (2 hrs.),
 Mr. Begeman 7 and 8.
 Physics III. (Heat and Light) (3 hrs.) (Tu. Th. F.), Mr. Bege-
 man 4.
 Physics IV. (Laboratory Physics in Heat and Light) (2 hrs.) (M.
 W.), Mr. Begeman 5 and 6.
 Physics IX. (Advanced Course in Electricity and Magnetism), Mr.
 Begeman 3 and 4.

NORMAL COURSES

- First Term Physics, Mr. Hersey 1; Mr. Read 3.
 First Term Laboratory Physics, Mr. Hersey 7 and 8; Mr. Read
 5 and 6.
 Second Term Physics, Mr. Hersey 3-4.
 Second Term Laboratory Physics, Mr. Hersey 5 and 6.

CHEMISTRY:

COLLEGE COURSES

- Chemistry I. (General Inorganic Chemistry), Mr. Getchell 2.
 Chemistry III. (Chemistry of Metals and Qualitative Analysis),
 Mr. Getchell 3.
 Chemistry IV. (Organic Chemistry), Mr. Bond 5.
 Quantitative Analysis, Mr. Getchell 5 and 6.
 Chemistry VI. (Water Analysis), Mr. Bond 1.
 Chemistry XI. (Household Chemistry), Mr. Bond 4-6; Mr. Getchell
 7; Mr. Read 1.
 Chemistry Laboratory as arranged (under each division).

NATURAL SCIENCE:

COLLEGE COURSES

- Zoology III., Mr. Arey 1.
 Zoology Laboratory (M. W.), Mr. Arey 7 and 8.
 Nature Study, Mr. Arey 3-5.
 Physiology I., Mr. Newton 1-3-4.
 Astronomy, Mr. Cable 4.
 Geology II. Mr. Cable 2.
 Agriculture III., Mr. Oldenburg 1.
 Agriculture Laboratory, Mr. Oldenburg 5 and 6.
 Conservation of Natural Resources, Miss Aitchison 1.
 Botany III., Mr. Palmer 2-3.
 Botany III. Laboratory (Tu., Th.), Mr. Palmer 7 and 8.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- Elementary Zoology, Mr. Arey 4.
 Elementary Physiology, Mr. Newton 2.
 First Ele. Agriculture, Mr. 2-3-5.
 Second Ele. Agriculture, Mr. Oldenburg 2-4.
 Agriculture Laboratory, Mr. 7 and 8.
 First Half Geography, Miss Aitchison 2.
 Second Half Geography, Miss Aitchison 3.
 Complete Geography, Miss Aitchison 4.
 Elementary Botany, Mr. Palmer 1.
 Elementary Physiography, Mr. Cable 1-5.

MANUAL ARTS:

COLLEGE COURSES

- Organization and Economics of Manual Training (3 hrs.) (M. W. F.), Mr. Bailey 1.
 Woodwork 1 (3 hrs.) (M. W. F.), Mr. Brown 7 and 8.
 Advanced Woodwork, Mr. Brown 3 and 4.
 Mechanical Drawing I. (2 hrs.) (Tu. Th.), Mr. Bailey 7 and 8.
 Mechanical Drawing IV. (2 hrs.) (Tu. Th.), Mr. Bailey 7 and 8.
 Mechanical Drawing II. (3 hrs.) (M. W. F.), Mr. Bailey 3 and 4.
 Mechanical Drawing III. (3 hrs.) (M. W. F.), Mr. Bailey 3 and 4.
 Wood Turning (2 hrs.), Mr. Brown 3 and 4.
 Sheet Metal Work (2½ hrs.), Mr. Bailey 2.

DIPLOMA COURSES

Same as College Courses.

NORMAL COURSES

- Primary Handwork, Miss Dandliker 1-2.
 Handwork for Rural Schools, Miss Schuneman 3-4.
 Woodwork for Rural Schools, Mr. Brown 5-6.
 Elementary Woodwork, Mr. Brown 3 and 4; 7 and 8.
 Elementary Mechanical Drawing, Mr. Bailey 7 and 8.

ART:

COLLEGE COURSES

- History of Painting, Miss Thornton 4.
 Design (2½ hrs.), Miss Patt 1-6.

Perspective (2½ hrs.), Miss Thornton 3.
 Water-Color (2½ hrs.), Miss Thornton 1.
 Supervision in Art (2½ hrs.), Miss Thornton 2.

DIPLOMA COURSES

Same as College Courses and
 Primary Drawing II. (2½ hrs.), Miss Patt 3-4-5, Miss Schuneman 2.

NORMAL COURSES

Drawing for Rural Schools, Miss Schuneman 1.

HOME ECONOMICS:

COLLEGE COURSES

Elementary Food Theory III. (2 hrs.) (Tu. Th.), Miss Young 1 and 2; 3 and 4; 5 and 6.

DIPLOMA COURSES

Household Management (1 hr.) (M. W.), Miss Young 1-3-4.
 Methods, Home Economics (1 hr.) (Fri.), Miss Young 1-3-4.
 Dietetics (1 hr.) (Tues.), Miss Roberts 3 and 4.
 Demonstrations (M. W.) (1 hr.), Miss Young 5 and 6; 7 and 8.
 Demonstrations (Tu. Th.) (1 hr.), Miss Young 5 and 6.
 Third Term Sewing (Sub-collegiate):

Sections A and B (M. W. F. 1 and M. W. 2), Miss Roberts and Miss Freer.

Section C (M. W. F. 3 and M. W. 4), Miss Roberts.

Section D (Tu. Th. 3 and Tu. Th. F. 4), Miss Freer.

Sections E and F (M. W. 5 and M. W. F. 6), Miss Roberts and Miss Freer.

NORMAL COURSES

First Domestic Science:

Section A (Daily 1 and M. W. 2), Miss Osborne and Miss Hurd.

Section B (Daily 3 and Tu. Th. 4), Miss Osborne and Miss Hurd.

Section C (Daily 5 and Tu. Th. 6), Miss Osborne and Miss Hurd.

Second Domestic Science:

Section A (Daily 2 and Tu. Th. 1), Miss Osborne and Miss Hurd.

Section B (Daily 4 and M. W. 3), Miss Osborne and Miss Hurd.

COMMERCIAL EDUCATION:

DIPLOMA COURSES

Accounting II., Mr. Cummins 1.

Commercial Law, Mr. Coffey 2.

Second Term Shorthand (Sub-collegiate), Mr. Coffey 1.

Third Term Shorthand (Sub-collegiate), Mr. Coffey 3.

Typewriting (Sub-collegiate), Mr. Coffey 4.

NORMAL COURSES

Elementary Bookkeeping, Mr. Cummins 2.

Second Term Shorthand, Mr. Coffey 1.

Third Term Shorthand, Mr. Coffey 3.

Typewriting, Mr. Coffey 4.
 First Term Penmanship, Mr. Cummins 3-5-6.
 Advanced Penmanship, Mr. Cummins 4.

MUSIC:

COLLEGE COURSES

Music II. (2½ hrs.), Mr. Fullerton 3.
 History of Music I. (2 hrs.) (Tu. Th.), Miss Childs 1.
 Harmony I. (3 hrs.) (M. W. F.), Miss Thomson 1.
 Harmony II. (2 hrs.) (Tu. Th.), Miss Thomson 4.
 Harmony IV. (2 hrs.) (Tu. Th.), Miss Thomson 3.

DIPLOMA COURSES

Conducting (2½ hrs.) (M. W. F.), Mr. Fullerton 4.
 Methods (Lower Grades) (2½ hrs.) (M. W. F.), Miss Barr 3.
 Appreciation of Music (2½ hrs.) (M. W. F.), Miss Thomson 5.
 Supervision (2 hrs), Mr. Fullerton 1.

NORMAL COURSES

First Term Music, Mr. Fullerton 2; Miss Hooper 1-4.
 Second Term Music, Miss Barr 4-6.

PHYSICAL EDUCATION:

COLLEGE COURSES

Playground Methods II. (3 hrs.) (M. W. F.), Mr. Seymour 5.
 Theory of Athletics II. (2 hrs.) (Tu. Th.), Mr. Seymour 5.

DIPLOMA COURSES

Same as College Courses and
 Physiology of Exercise, Mr Seymour 2.
 Medical Gymnastics and Massage (3 hrs.) (M. Tu. Th.), Mr. Seymour 3.
 Medical Gymnastics and Massage (3 hrs.), Miss Hussey 6.
 Physical Department Administration (2 hrs.) (W. Fri.), Mr. Seymour 3.

PRACTICAL WORK

Second Physical Training (M. W.), Miss Nisbet 7.
 Third Physical Training (M. W.), Miss Hussey 5; Miss Nisbet 6.
 Third Physical Training (Tu. Th.), Miss Hussey 4; Miss Wild 4-6-7; Miss Nisbet 5.
 Drills (Tu. Th.), Miss Hussey 5.
 Drills (M. W.), Miss Grantham 5.
 Gymnastics (M. W.), Miss Hussey 7.
 Esthetic Dancing (Tu. Th.), Miss Hussey 7.
 Athletics (Tu. Th.), Miss Hussey 8.
 Tennis (M. W.), Miss Wild 4-8; Miss Nisbet 3-5.
 Tennis (Tu. Th.), Miss Wild 3; Miss Nisbet 6-7; Mr. Berkstresser 5.
 Swimming (Tu. Th.), Miss Hussey 8; Miss Nisbet 3; Miss Grantham 5-7; Mr. Berkstresser 4.
 Swimming (M. W.), Miss Wild 6; Miss Nisbet 4; Miss Grantham 3-8; Mr. Berkstresser 5.
 Plays and Games (Tu. Th.), Miss Wild 5; Mr. Berkstresser 6.
 Plays and Games (M. W.), Mr. Berkstresser 4.

- First Rhythm (M. W.), Miss Wild 7; Miss Grantham 3.
Second Rhythm (Tu. Th.), Miss Grantham 6.
Folk Dancing (Tu. Th.), Miss Nisbet 8; Miss Grantham 3.
Advanced Folk Dancing (M. W.), Miss Grantham 7.
Baseball (M. W.), Miss Grantham 6.
Baseball, Mr. Seymour 6.
Baseball Team, Mr. Seymour 7 and 8
Track Class (M. W.), Mr. Berkstresser 6.
Track Team, Mr. Berkstresser 7 and 8.
Corrective Work (M. W.), Miss Hussey 4; Miss Wild 5.
Corrective Work (Tu. Th.), Miss Nisbet 4; Miss Grantham 4.