

7-1910

Courses of Study and Program of Recitations, 1910-1911

Iowa State Teachers College

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COURSES OF STUDY
AND
PROGRAM OF RECITATIONS
FOR THE
SCHOOL YEAR 1910-1911



BULLETIN
OF THE
IOWA STATE TEACHERS COLLEGE
CEDAR FALLS, IOWA

Vol. XI. No. 2.
JULY, 1910

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IOWA STATE TEACHERS COLLEGE

COURSES OF STUDY AND PROGRAM OF RECITATIONS FOR SCHOOL YEAR 1910-1911.

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J U L Y 1910
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NOTE: The spelling used in this Bulletin conforms to that authorized by the Simplified Spelling Board, and exhibits the little modifications that the shortend new forms make in the appearance of the printed page.

CALENDAR FOR YEAR 1910-1911.

Fall term opens Tuesday, August 30, 1910.

Winter term opens Tuesday, November 29, 1910.

Spring term opens Tuesday, March 14, 1911.

Summer term opens Saturday, June 10, 1911.

IOWA STATE TEACHERS COLLEGE.

THE COURSE OF STUDY.

Requirements for Admission.

Applicants for unconditional admission to the College Course or the Junior College Courses, hereafter printed in detail, must be at least sixteen years of age and must present satisfactory records from accredited secondary schools showing a total of fifteen units of work in accordance with the standards approved by the Iowa State Board of Education. The term unit as here used signifies a year's work where the class hours are forty-five minutes, the number of class hours per week being not less than five.

Outline Of The College Course Giving Distribution Of Work And Directions Concerning The Opportunities Offered.

THE COLLEGE COURSE.

Degree: Bachelor of Arts in Education.

First Grade State Certificate Standard.

Entrance Requirements: Four Years Accredited High School.

Freshman Year.

A	B	C
1. Electiv.	1. Electiv.	1. Electiv.
2. Electiv.	2. Electiv.	2. Electiv.
3. Rhetoric.	3. Education I.	3. Education II.

Sophomore Year.

A	B	C
1. Electiv.	1. Electiv.	1. Electiv.
2. Electiv.	2. Electiv.	2. Electiv.
3. Education III.	3. Education IV.	3. Prac. Teaching.

Junior Year.

A	B	C
1. Electiv.	1. Electiv.	1. Electiv.
2. Electiv.	2. Electiv.	2. Electiv.
3. Prac. Teaching.	3. Education V.	3. Education VI.

Senior Year.

A	B	C
1. Electiv.	1. Electiv.	1. Electiv.
2. Electiv.	2. Electiv.	2. Electiv.
3. Prac. Teaching.	3. Electiv.	3. Electiv.

Notes.—1. Unless Solid Geometry and two years of foren language are included in the credits filed from the secondary school, these must be taken as part of the College Course.

2. Students who complete the full college course shall receive the degree of Bachelor of Arts in Education and a First Grade State Certificate. Those who complete twenty-seven full college credits shall be entitled to the diploma of Master of Didactics, but shall not receive a State Certificate unless they have met all the requirements for such certificate demanded by the State Board of Examiners.

On the completion of eighteen college credits, students may receive the diploma of Bachelor of Didactics and a Second Grade State Certificate, provided the studies pursued by them in the secondary school and the Teachers College include all the state certificate constants as designated by the State Board of Examiners. In addition to the constants enumerated in the Freshman and Sophomore years, all candidates for either the Bachelor of Didactics diploma or the Master of Didactics diploma

must elect one additional term in each of the following subjects: English, History, Mathematics, Advanced Economics or American Government, Physics, and Practis Teaching. In planning electivs, students should notis that Trigonometry is a prerequisite to courses in college Physics.

METHOD OF CHOOSING ELECTIVS.

Majors.—It is necessary for the student who takes the College Course to select one major study with some one department. A major consists of at least two full years of work, thus covering six term credits. The different majors that are offerd are in the following lines. After the one major is decided the student is under the direction of the department in which the major belongs.

1. English and Public Speaking.
2. Mathematics.
3. Mathematics and Physics.
4. History and Political Science.
5. Latin.
6. German.
7. Greek.
8. Physical Science.
9. Natural Science.
10. General Science.
11. Any other arrangement of majors approved by the Faculty.

Maximum Credits of One Kind.—The largest number of term credits that is permitted from any one department shall be twelv. This is limited in order to keep a fair balance and insure broad general scholarship as well as specialization in some one line.

Other Studies.—All other electiv studies that are to obtain credit upon the College course must be selected from the other departments and must all be pure College courses.

In addition there is allowed each term an art study such as music, manual training, drawing, cooking, penmanship or a lecture course as an extra hour of work, but such studies do not substitute for any of the thirty-six term credits required for graduation.

It is advised that a term of vocal music be placed on the schedule of each student the first term enrolled in order to get ready for other music work that may be desired.

DEPARTMENT SUBJECTS IN THE COLLEGE COURSE.

This tabular arrangement gives the entire program of studies with the nomenclature adopted by the Faculty for the College Course.

The numbers by which the courses in the different departments are to be designated are given below:

Professional.

Required Work—

- I. First Term Psychology.
- II. Second Term Psychology.
- III. School Management.
- IV. History of Education.
- V. Philosophy of Education.
- VI. American Education.

Elective Courses—

- VII. Experimental Psychology.
- VIII. School Supervision.
- IX. Great Educators.

English.

- I. Rhetoric.
- II. English Literature.
- III. Shakespeare.
- IV. Epic Poetry in English.

- V. The English Romantic Movement.
- VI. The Development of the English Drama.
- VII. The History of the English Language and Anglo Saxon.
- VIII. Anglo Saxon and Middle English.
- IX. Literary Criticism.
- X. The Development of the English Novel.
- XI. English of the Nineteenth Century.
- XII. Theme Writing and Story Telling.
- XIII. Teachers' English.
- XIV. American Literature.

Public Speaking.

- I. Elocution I.
- II. Elocution II.
- III. Applied Drama.
- IV., V., VI. Repertoire I., II., and III.
- VII. Principles of Expression.
- VIII. Argumentation.
- IX. Oratory.

Latin and Greek.

Latin—

- I. Cicero (Cato Major) and Livy.
- II. Livy.
- III. Horace (Epodes and Odes).
- IV.-XII. Roman Life.
- XIII.-XV. Teachers' Latin.
- XVI.-XVIII. Elementary Latin for High School Graduates.
- XIX.-XXI. Vergil's Aeneid.

Note—Only Courses I. to XV., inclusiv, can be counted toward a Latin Major.

Greek.

- I., II. Lessons.
- III. Anabasis.
- IV. Plato.
- V., VI. Homer.

German and French.**German—**

- I. Lessons—Grammar.
- II. Lessons—Grammar.
- III. Immensee and Hoehler als die Kirche.
- IV. Die Journalisten.
- V. Wilhelm Tell.
- VI. German Prose Composition.
- VII. Emilia Galotti and Lyrics and Ballads.
- VIII. Nathan der Weise.
- IX. Iphigenie auf Tauris and Die Braut von Messina.

French.

- I. Lessons—Grammar and Pronunciation.
- II. Lessons, with reading easy French.
- III. L'Abbe Constantin, Le Voyage de Monsieur Perrichon.

Geometry and Surveying.

- I. Solid Geometry (Freshman Year).
- II. Surveying.

Mathematics.

- I. Higher Algebra I.
- II. Higher Algebra II.
- III. Trigonometry.
- IV. History and Teaching of Mathematics.
- V. Analytical Geometry.
- VI. Differential Calculus.
- VII. Integral Calculus.

Chemistry.

- I. General Inorganic.
- II. General Inorganic.
- III. Qualitativ Analysis.
- IV. Qualitativ Analysis.
- V. Quantitativ Analysis.
- VI. Quantitativ Analysis.

- VII. Special Methods in Quantitativ Analysis.
- VIII. Household Chemistry.
- IX. Household Chemistry.
- X. Food Analysis.

Physics.

- I. Mechanics of Solid and Fluids.
- II. Sound and Light.
- III. Heat, Electricty, and Magnetism.
- IV. Teachers' Special Course.
- V. Sound.

Natural Science.

- I. Physiology I.
- II. Botany I.
- III. Hygiene and Sanitation.
- IV., V. Zoology I. and II.
- VI. Physiography I.
- VII., VIII. Geology I., II.
- IX. Mineralogy.
- X. Astronomy.
- XI. Commercial Geography of North America.
- XII. Commercial Geography of Europe.
- XIII. Influences of Geography upon American History.

Major—

- Zoology I.
- Physiography I.
- Geology I.
- Physiology I.
- Botany I.
- Hygiene and Santitation.

History

- I. American History.
- II. English History.
- III. Greek History.

- IV. Roman History.
- V. Medieval History.
- VI. Modern History.
- VII. Eighteenth Century History.
- VIII. Nineteenth Century History.
- IX. Method History or Teachers' History.

Economics—

- I. Theory.
- II. Problems.
- III. English Industrial History.
- IV. American Industrial History.
- V. Commercial History of Europe.
- VI. Money and Banking.
- VII. Labor and Labor Unions.

Government.—

- I. American Government.
- II. American Constitutional History I.
- III. American Constitutional History II.
- IV. English Government.
- V. Modern European Governments.
- VI. International Law.
- VII. Constitutional Law.

Art.

- I. History of Architecture and Sculpture.
- II. History of Painting.

Manual Arts.

- I., II. Manual Training Methods.
- III. Organization and Economics of Manual Training.

Physical Education.—

- I., II. Anatomy.

THE PROFESSIONAL COURSE OF STUDY FOR COLLEGE GRADUATES.

The Iowa State Teachers College has developed professional courses for college graduates that deserve special recognition for their practical features and for their large professional helpfulness. College graduates of decided success in teaching can complete one of these courses by attending three successive summer terms and doing special assigned work during the interim. Before graduation they will need to establish proofs of their success being excellent and positive. Where practical teaching is omitted with the consent of the department, other professional credits may be substituted on arrangement with the department. Those not having this standard of success are developed and trained by the Practical Teaching department, which is in active work during the fall, winter and spring terms of each school year. For inexperienced teachers, the regular sessions are better adapted, as the training schools are then completely in session.

I. Professional Course in Education.

First Term.

1. Advanced Psychology.
2. School Management.
3. History of Education.

Second Term.

1. Philosophy of Education.
2. American Education.
3. Practical Teaching.

Third Term.

1. Experimental Psychology.
2. Great Educators.
3. Practical Teaching.

College graduates who complete this course will be entitled to receive the degree of Bachelor of Arts in Education and a First Grade State Certificate.

II. Professional Course with Electivs.

- | | |
|-------------------------------|-----------|
| 1. Education | 3 credits |
| 2. Training School Work | 2 credits |
| 3. Scholastic Studies | 4 credits |

Total required9 credits

Graduates of approved colleges can complete this course in one year, and will receive the diploma of Master of Didactics and a First Grade State Certificate, provided they meet all the requirements demanded by the State Board of Educational Examiners.

Observations on These Courses.

1. Some branches of the above work can be personal, individual studies, laboratory and library in character, on lines outlined by the Professional department. These studies are to be carefully made and results submitted to the department for examination, criticism and instruction. The library is so strong in Pedagogy that this work is of great and lasting professional value.

2. For entrance upon this course a complete detail of all the work taken at the college must be filed.

3. Substitutions will be granted for efficient pedagogical work taken at a college with a strong professional department. Great liberty will be allowed to such grade of students so as to enable them to prepare both wisely and well for the best public service in any special line of school work, but in every case a year's attendance at this college is required. Such students are excused from orations and literary society work if they apply to the Faculty for such release.

4. College graduates who wish Primary or Kindergarten training will be given a year's work on application and can graduate at the end of that time of residence, provided the work done is creditable.

5. Any college graduate interested in this course is requested to write for further information to the President of the Iowa State Teachers College or to C. P. Colgrove.

JUNIOR COLLEGE COURSES.

SPECIAL TEACHER PREPARATION.

Standards Required and Honors Conferd.

Special State Certificates.—For the completion of these courses the State Board of Educational Examiners grants a five year special state certificate, said certificate authorizing the graduate to teach such branches in the public schools.

The Diploma Conferd.—The junior college courses each cover two years of strong work in scholastic, general professional and special professional lines. They are the equivalent in standard of excellence with other college courses of similar length and they give special attention to some one line of definit training. For the completion of these two years of study and training, a Special Teacher Diploma is awarded.

For the completion of an additional year of study, a Director's or Supervisor's Diploma as a special teacher is awarded as an additional recommendation of qualification and training for executiv work along these specialties of teaching. When a three-year course is printed, the third year is the supervisors' or directors' course.

In some particular departments where students complete the full line of special professional work required, such as music and art, department certificates may be obtained by such persons as do not desire to complete the scholastic and the general professional work required for a diploma.

In all junior college courses the electiv studies must be chosen from the list of branches and term's work designated as of full college grade. These elections must be made by consulting the heds of the departments involvd in order to avoid all mistakes.

College graduates of standard institutions are granted a one year course in any of these special lines if their former work permits it to be done.

THE PRIMARY TEACHERS' COURSE.

First Year.

A

B

C

- | | | |
|-------------------|-------------------|-----------------------------|
| 1. Prim'y Methods | 1. Prim'y Methods | 1. Prim'y Methods |
| 2. Psychology. | 2. Elocution. | 2. Botany. |
| 3. Pri. Handwork | 3. Psychology. | 3. Obs. in Training School. |
| 4. Rhetoric. | 4. Vocal Music. | 4. Vocal Music. |

Physical Training, five hours a week.

Literary Society Work.

Second Year.

A

B

C

- | | | |
|---------------------------|---------------------------|---------------------------|
| 1. Sch. Manage't. | 1. Hist. of Educ'n | 1. Kg. Theory & Ob |
| 2. Drawing. | 2. Drawing. | 2. Drawing. |
| 3. Zoology. | 3. Eng. Literature. | 3. Electiv. |
| 4. Criticism and Practis. | 4. Criticism and Practis. | 4. Criticism and Practis. |

Literary Society Work.

THE KINDERGARTNERS' COURSE.

First Year.

A

B

C

- | | | |
|----------------|-----------------|------------------|
| 1. Kg. Theory. | 1. Kg. Theory. | 1. Kg Practis. |
| 2. Psychology. | 2. Psychology. | 2. El. Handwork. |
| 3. Rhetoric. | 3. Vocal Music. | 3. Vocal Music. |
| 4. Drawing. | 4. Drawing. | 4. Nature Study. |

Physical Training.

Literary Society Work.

Second Year.

A	B	C
1. Kg. Theory.	1. Kg. Theory.	1. Kg. Theory.
2. Kg. Practis.	2. Kg. Practis.	2. Sch. Managem't
3. Elocution.	3. Hist. of Educ'n.	3. Primary Theory
4. Electiv.	4. Electiv.	4. Electiv.
	Physical Training.	
	Literary Society Work.	

Supervisor Year.

A	B	C
1. Kg. Theory.	1. Kg. Theory.	1. Psychology.
2. Phil. of Educ'n	2. Sch. Supervis'n	2. Kg. Practis.
3. Harmony.	3. Public Speak'g	3. Hist. of Paint'g
4. Electiv.	4. Electiv.	4. Electiv.
	Literary Society Work.	

THE PUBLIC SCHOOL MUSIC TEACHERS' COURSE.**First Year.**

A	B	C
1. Psychology.	1. Eng. Literature	1. Nature Study.
2. Rhetoric.	2. Psychology.	2. Voice.
3. 3d term Music.	3. 4th term Music	3. 6th term Music
Sightsinging (3)	Sightsinging &	Methods (2)
Ele. Harm'y (2)	Methods (3)	Harmony (2)
4. Voice.	Hist. of Mus. (2)	Hist. of Mus. (1)
	4. 5th term Music	4. 5th term Music
	Harmony (2)	Ear Train. (2)
	5. Voice.	Adv. Sight-singing (1)
		5. Piano.
	Physical Training.	
	Literary Society Work.	

Second Year.

A

B

C

- | | | |
|-------------------|------------------------|---------------------|
| 1. Sound. | 1. History. | 1. Hist. of Educa'n |
| 2. Elocution. | 2. Sch. Manage't | 2. Voice. |
| 3. 7th term Music | 3. 8th term Music | 3. 9th term Music |
| Hist of Mus. (2) | Musical | Supervision (2) |
| Harmony (2) | Appreciat'n (2) | Harmony (2) |
| Conducting (1) | Harmony (2) | Theory of |
| 4. Observation | Child Voice (1) | Music (1) |
| (half credit.) | 4. Prac. Teaching. | 4. Prac. Teaching. |
| | Physical Training. | |
| | Literary Society Work. | |

The figure in parenthesis indicates the number of recitation hours per week, when less than five hours a week are given.

Two years of voice are required (one lesson per week.)

One year of piano is required (one lesson per week.)

Students completing all the music work required in the above course and the practis teaching, in addition to one term of psychology, one term of school management, one term of elocution, and two electivs in English, may be granted a certificate from the department.

THE DRAWING TEACHERS' COURSE.**First Year.**

A

B

C

- | | | |
|------------------|------------------------|----------------------|
| 1. Cast Drawing. | 1. Cast Drawing. | 1. Hist. of Paint'g. |
| 2. Hist. (Greek) | 2. Medieval Hist. | 2. Pscyhology. |
| 3. Elocution | 3. Psychology. | 3. Phys. Sci. Elect. |
| 4. Rhetoric. | 4. Hist. of Arch. | 4. Electiv. |
| | & Sculpture | |
| | Physical Training. | |
| | Literary Society Work. | |

Second Year.

A	B	C
1. Still Life.	1. Perspectiv.	1. Superv'n in Art
2. Zoology.	2. El. Handwork.	2. Mathematics.
3. Pol. Sci. Elec'v	3. Eng Literature	3. Hist of Educa'n
4. Sch. Manage't	4. Prac. Teaching	4. Prac. Teaching

Physical Training.
Literary Society Work.

Third Year.

A	B	C
1. Water Color.	1. Mech. Drawing	1. Design
2. Profes'l Elec'v	2. Geology.	2. Chemistry.
3. Physiography.	3. Phil. of Educ'n	3. Botany.
4. El. of Lit. Crit.	4. Sheet Met. W'k	4. Electiv.

Literary Society Work.

THE MANUAL TRAINING TEACHERS' COURSE.**First Year.**

A	B	C
1. Rhetoric.	1. Higher Alg'a I.	1. Eng. Literature
2. Psychology.	2. Psychology.	2. Sch. Manage't.
3. Com. Geog. of N. A.	3. Prim. Handw'k	3. Bench Work.
4. 1st Drawing.	4. 2d Drawing.	4. Design.
	5. Mech. Drawing.	5. Mech. Drawing.

Physical Training.
Literary Society Work.

Second Year.

A	B	C
1. Trigonometry.	1. Hist. of Educ'n	1. XIX. Cent. Hist
2. Man. Training Methods I.	2. Man. Training Methods II.	2. Physics I.
3. Bench Work.	3. Bench Work.	3. Bench Work.
4. Sheet M't W'k	4. Special Electiv.	4. Mech. Drawi'g
5. Ele. Handwork	5. Prac. Teaching.	5. Prac. Teaching.

Physical Training.
Literary Society Work.

Third Year.

A

B

C

- | | | |
|---------------------|--------------------|---------------------|
| 1. Profes'l Electiv | 1. Phil. of Educ'n | 1. Org. & Econ. of |
| 2. Elocution | 2. Chemistry I. | Man. Training. |
| 3. Bench Work. | 3. Special Electiv | 2. Chemistry II. |
| 4. Electiv. | 4. Indus. History. | 3. Nat. Sci. Elec'v |
| | | 4. Special Electiv |
- Literary Society Work.
-

THE DOMESTIC SCIENCE TEACHERS' COURSE.**First Year.**

A

B

C

- | | | |
|-----------------------------------|-----------------------------------|-----------------------------------|
| 1. Foods, comp &
Dietary Uses. | 1. Foods, comp &
Dietary Uses. | 1. Foods, comp &
Dietary Uses. |
| 2. Cookery. | 2. Cookery. | 2. Cookery. |
| 3. Sewing. | 3. Sewing. | 3. Waitress Work. |
| 4. Inorg. Chem. | 4. Inorg. Chem. | 4. Qual. Analysis. |
| 5. Rhetoric. | 5. Sanitation. | 5. Sewing. |
| | | 6. Methods in Dom
Science. |
| | | 7. Psychology. |

Physical Training.
Literary Society Work.

Second Year.

A

B

C

- | | | |
|--------------------|--------------------|--------------------|
| 1. Cookery. | 1. Cookery. | 1. Cookery. |
| 2. House'd Chem. | 2. House'd Archi- | 2. Food Analysis. |
| 3. Adv. Physiol'y | 3. tecture. | 3. Hist. of Educ'n |
| 4. Prac. Teaching. | 3. House'd Chem. | 4. Sch. Managem't |
| | 4. Psychology. | 5. Prac. Teaching. |
| | 5. Prac. Teaching. | |
- Physical Training.
Literary Society Work.

NOTE.—This course is of a kind that it is practically necessary to begin the same at the opening of the fall term and continue it regularly for the time requird.

THE PHYSICAL EDUCATION TEACHERS' COURSE.**First Year.**

A	B	C
1. Electiv (Math.)	1. Chemistry I.	1. Chemistry II.
2. Electiv (Hist.)	2. Elocution.	2. Electiv. (Eng.)
3. Rhetoric.	3. Psychology.	3. Psychology.
	Physical Training.	
	Literary Society Work.	

Second Year.

A	B	C
1. Gym. Pedagogy	1. Theory and Sys-	1. Hist. of Physic'l
2. Anatomy I.	tems of Ph'y Ed.	Training.
3. Sch Managem't	2. Anatomy II.	2. Adv. Hygiene
	3. Hist of Educa'n	3. Elec. (Pol. Sci.)
	Physical Training.	
	Literary Society Work.	

Third Year.

A	B	C
1. Anthropom'y &	1. Prac. Teaching.	1. Physiology of
Phys. Diagno's	2. Elec. (Nat. Sci.)	Exercise.
2. Adv. Physiol'y	3. Phil. of Educ'n.	2. Electiv.
3. Electiv.		3. Genetic Psych.
		4. Med. Gymnast's
		and Massage.

Physical Training.
Literary Society Work.

Special Course for College Graduates.

A	B	C
1. Gym. Pedago'y	1. Theory and Sys-	1. Hist. of Phys. Tr
2. Anatomy I.	tems of Ph'l Ed.	2. Hygiene.
3. Adv. Physiol'y	2. Anatomy II.	3. Physiology of
4. Anthropom'y &	3. Electiv.	Exercise.
Phys. Diagnosis	4. Prac. Teaching	4. Medical Gym. &
		Massage.

Physical Training.

TEACHERS' CERTIFICATE COURSES.

Courses Offerd in Subjects Required by the State Board of Educational Examiners.

I. The Uniform County Certificate Course.

The Teachers College maintains classes every term for the accommodation of students who wish to prepare for the examination required for county and state certificates.

Conditions of Admission—Plans of Management.

1. Students who possess third grade uniform county certificates, whether in force or not, may enter without formal examination on this credential of scholarship, but they will be required to take all branches on the certificate that are recorded as below seventy-five per cent in the two term classes regularly provided. Students who have completed eighth grade work in city schools, or those having country school diplomas, who are at least sixteen years of age, are admitted to the course but are assigned to classes where two terms of work is required in arithmetic, grammar, U. S. history, geography, civics, and vocal music. Students without credentials of any kind or who do not meet these minimum standards are given work in the Secondary or High School maintained by the College, unless they establish their qualifications as conforming to said standards by taking an examination equivalent to that required for third grade county certificate.

Students who possess second grade county certificates are admitted to study such subjects as are needed to prepare them for first grade certificate standard.

Uniform County Certificate Course.**First Year.**

A	B	C
1. Arithmetic.	1. Geography.	1. U. S. History.
2. Eng. Grammar.	2. Algebra.	2. Algebra.
3. Physiology.	3. Didactics.	3. Reading.
4. Orthography.	4. Penmanship.	4. Vocal Music.
	Physical Training.	

Second Year.

A	B	C
1. Eng. Composi'n	1. Eng. Electiv	1. Civics.
2. Physics.	2. Physics.	2. Methods.
3. Physiography.	3. El. Economics.	3. Gen History.
4. Electiv.	4. Electiv.	4. Electiv.
	Physical Training.	

NOTE.—The electiv terms work here authorized are to be chosen from the State Certificate course.

II. The State Certificate Course.**Conditions of Admission and Plans of Management Explained.**

1. Students who have completed the county certificate teachers' course or who are holders of the first grade uniform county teachers' certificate are granted admission to this course.

2. Students who have completed unaccredited high school courses of at least two years will receive credit for entrance requirements to this course in proportion to the quality and quantity of work proven by their certificates furnisht by the high school from which they graduated, such credit to become permanent provided the work done in the College justifies such after recognition. Students presenting additional work earnd in other schools will have their status decided by a committee of the Faculty.

3. Students having scholarship equivalent to first

grade uniform county certificate or who have graduated from unaccredited high schools of more than two years, are admitted on equivalent three year courses to prepare as teachers in kindergarten, primary, music or other special teacher work.

State Certificate Course.

Granting an Elementary Teacher Diploma and a Second Grade State Certificate.

First Year.

A

B

C

- | | | |
|--------------------|-------------------|--------------------|
| 1. Algebra. * | 1. Plane Geomet'y | 1. Plane Geomet'y |
| 2. Physics. * | 2. Bookkeeping. | 2. Vocal Music. |
| 3. Gen. History. * | 3. Elocution. | 3. Prin of Educa'n |
| 4. Electiv. | 4. Electiv. | 4. Electiv. |
- Physical Training.

Second Year.

A

B

C

- | | | |
|-------------------|----------------|-------------------|
| 1. Drawing. | 1. Drawing. | 1. Math Electiv. |
| 2. Psychology. | 2. Psychology. | 2. Sch. Managem't |
| 3. Solid Geometry | 3. Sanitation. | 3. Gen. Botany. |
| 4. Electiv. | 4. Electiv. | 4. Electiv. |
- Physical Training.
Literary Society Work.

Third Year.

A

B

C

- | | | |
|--------------------|--------------------|---------------------|
| 1. Rhetoric. | 1. Eng. Electiv. | 1. Science Electiv. |
| 2. Econ. Electiv | 2. Govt. Electiv. | 2. Hist. Electiv. |
| 3. Hist. of Edu'n. | 3. Prac. Teaching. | 3. Prac. Teaching. |
| 4. Electiv. | 4. Electiv. | 4. Electiv. |
- Literary Society Work.

*Two terms work if elementary teachers course was not completed at this College or in an equivalent school.

NOTES.—The electiv terms of work here provided are intended for the study of Latin or German. Sub-

stitutes for these foren languages may be granted in other departments where the student does not purpose to later become a candidate for the diploma Bachelor of Didactics.

A term's work in Teachers' Arithmetic or Teachers' Grammar may be taken during the course if there are sufficient students desiring such special study.

THE SPECIAL COMMERCIAL TEACHERS' COURSE.

Granting a Department Certificate.

First Year.

A	B	C
1. Penmanship.	1. Penmanship.	1. Penmanship.
2. Bookkeeping.	2. 2d Bookkeeping.	2. 3d Bookkeeping.
3. Arithmetic.	3. Com. Geography.	3. Com. Geography.
4. Grammar.	4. Eng. Comp.	4. Rhetoric.

Physical Training.

Rhetoricals or Literary Society Work.

SPECIAL MUSIC TEACHER COURSES.

Conditions of Admission.—Students are admitted to these 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 qualifications 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 certificate courses at the College.

Conditions of Graduation.—A special Teacher Diploma will be awarded to such persons as complete satisfactorily any one of the courses here outlined, but as skill and capability as musicians are also essential qualities to be attained, the exact time necessary 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 to become an applicant for graduation. The courses as here mapped out, outside of the attainment in capability as a musician, can be satisfactorily completed in three years.

THE PIANO COURSE.

Piano lessons must be continued thru the entire period of study, two lessons a week. A second study—voice or orchestral instrument—must also be carried, with either one or two lessons a week, each term except the last year.

Other required work will be:

First Year.

A	B	C
Elem'ts of Music 5	Elem'ts of Music 5	German 5
German 5	German 5	Music History 1
Music History 2.		Ear Training 2

Second Year.

A	B	C
Harmony 2	Harmony 2	Harmony 2
Music History 2	Eng. Literature 5	Psychology 5
Sound 5		

Third Year.

A	B	C
Harmony 2	Harmony 2	Harm. Analysis 2.
Psychology 5	Medieval Hist. 5	Modern History 5
Piano—9 terms, twice a week (at least.)		
Second Study—6 terms, once or twice a week (at least.)		

The figures after the subjects indicate the number of recitation periods per week.

THE VIOLIN COURSE.

Violin lessons must be continued thru the entire period of study—two lessons per week. The piano work must be carried for two years successfully with at least one lesson a week. Attendance at two orchestra rehearsals and one class in ensemble playing is also required each week.

First Year.

A	B	C
Elem'ts of Music 5	Elem'ts of Music 5	Musical History 1
German 5	German 5	German 5
Musical History 2		Ear Training 2

Second Year.

A	B	C
Harmony 2	Harmony 2	Harmony 2
Musical History 2	Eng. Literature 5	Psychology 5
Sound 5		

Third Year.

A

B

C

Harmony 2	Harmony 2	Harm. Analy's 2
Psychology 5	Medieval Hist. 5	Modern History 5

The figures after the subjects indicate the number of recitation periods per week.

THE VOICE COURSE.

Three years of voice lessons (two a week), and two years piano lessons (one a week), will be required.

First Year.

A

B

C

Elem'ts of Music 5	Elem'ts of Music 5	German 5
German 5	German 5	Elem'ts of Music 5
Music History 2	Theory of Phys. Training 5	Ear Training 2

Second Year.

A

B

C

Harmony 2	Harmony 2	Harmony 2
Music Hist. 2	Eng. Literature 5	Psychology 5
Sound 5		

Third Year.

A

B

C

Harmony 2	Harmony 2	Harm. Analy's 2
Psychology 5	French 5	French 5
French 5	Medieval Hist. 5	Modern History 5

The figures after the subjects indicate the number of recitation periods per week.

PROGRAM OF RECITATIONS.

Explanatory Note.

This program of recitations is printed for the full school year, presenting the work for the Fall, Winter and Spring Terms. The work is organized on the basis of the past year and may be expanded if numbers enrolled should demand it.

The nomenclature used gives in order: 1. The College Course. 2. The Junior College Courses. 3. The Teachers' Certificate Courses, for each term. The subject of study is given in the terminology adopted by the departments, complete explanation being given in the Catalog and Circular for 1910. The name of the teacher is given following each subject assigned for the term and the Arabic numeral following the teacher's name gives the hour at which the recitation will occur.

The following are the hours of work in the school for the year:

First Hour—8:00 to 8:55.

Second Hour—8:55 to 9:50.

Assembly—9:50 to 10:20.

Third Hour—10:20 to 11:15.

Fourth Hour—11:15 to 12:10.

Fifth Hour—1:30 to 2:25.

Sixth Hour—2:25 to 3:20.

Seventh Hour—3:20 to 4:15.

Of these the first to fifth, inclusive, are regarded as regular class hours.

Students' Office Hours.—Students having business

with the President's office will receive attention from 7:30 to 9:50 a. m. and 1:00 to 2:00 p. m. Please note this and do not come at other business hours except in emergencies that are unusual.

Library Hours.—School days, 7:30 a. m. to 5:00 p. m. Saturdays, 8:00 a. m. to 12:00 m.

Literary Societies.—Fridays, 2:25 p. m. Saturdays, 7:00 p. m.

Faculty Meetings.—Mondays, 2:25 p. m.

ASSIGNMENT FOR REHEARSALS OF MUSICAL SOCIETIES.

Choral Society—Thursdays, 2:25 p. m.

Cecilians—Wednesdays, 2:25 p. m.

Euterpeans—Tuesdays, 2:25 p. m.

Young Ladies' Glee Club—Mondays, 2:25 p. m.

Minnesingers—Wednesdays, 2:25 p. m.

Troubadours—Tuesdays, 2:25 p. m.

Orchestra—Mondays and Thursdays, 3:30 p. m.

Band—Tuesdays and Fridays, 3:30 p. m.

Ensemble Class—Wednesdays, 3:00 p. m.

Junior Band—Wednesdays, 3:30 p. m.

FALL TERM.

College Course.

Professional Instruction in Education.—I. 1st Psychology, Mr. Samson 1; Mr. Dick 4. II. 2nd Psychology, Mr. Samson 2. III. School Management, Mr. Colgrove 2; Mr. Dick 1-3. IV. History of Education, Mr. Walters 2. IX. Great Educators, Mr. Walters 1.

Training in Teaching.—Illustrativ Teaching, Mr. Bender (Tuesday, Wednesday, Thursday) 3-5-6.

English Language and Literature.—I. Rhetoric, Mr. Lynch 1-5; Mr. Gist 4-5; Miss Lambert 2; Miss Gregg 5; Miss Hearst 4; Miss Lodge 1-3. II. (a) English Literature, Mr. Lynch 3; Miss Lambert 4. III. Shakespeare, Mr. Gist 2. XI. English Literature of the 19th Century, Miss Lambert 1.

Elocution and Public Speaking.—I. Elocution I. Miss Martin 2-3. IV. Repertoire I., Miss Martin 4. VIII. Argumentation, Mr. Barnes 2; IX. Oratory I., Mr. Barnes 3.

Latin and Greek.—(1) **Latin.** I. Cicero (Cato Major) and Livy, Mr. Merchant 2. X. Tacitus and Pliny, Mr. Merchant 1. XIII. Teachers' Latin, Mr. Merchant 1 (Mon., Fri.) and 6 (Tues., Wed., Thurs.) XVI. Elementary Latin: Introductory Work 5, or Cicero 3, Mr. Merchant. XIX. Vergil (Aeneid, First term), Miss Call 2. (2) **Greek.** I. Lessons, Miss Call 4. IV. Xenophon, Miss Call 5.

German and French.—(1) **German.** I. Grammar, Mr. Knoepfler 4. II. Grammar, Miss Lorenz 5. III. Immensee and Hoeher als die Kirche, Miss Lorenz 1. IV. Die Journalisten, Miss Lorenz 3. V. Wilhelm Tell or Maria Stuart or Die Jungfrau von Orleans, Miss Lorenz 2. VI. Prose Composition, Mr. Knoepfler 1. VII. Emilia Galotti and German Lyrics and Ballads, Mr. Knoepfler 3. (2) **French.** I. Lessons, Mr. Knoepfler 2.

Mathematics.—I. Higher Algebra I., Miss Seals 2. III. Trigonometry, Mr. Cory 1. V. Analytical Geometry, Mr. Condit 1.

Chemistry.—I. Inorganic, Mr. Getchell 3. II. Inorganic, Mr. Page 2. III. IV. Qualitativ Analysis, Mr. Getchell 1-5. V. VI. Quantitativ Analysis, Mr. Getchell 5-6.

Physics.—I. Mechanics of Solids and Fluids, Mr. Begeman 3. V. Sound, Mr. Begeman 5.

Natural Science.—I. Physiology I., Mr. Newton 3. IV. Zoology I., Mr. Arey 1. VI. Physiography I., Mr. Cable 2. XI. Commercial Geography of North America, Miss Aitchison 1.

History.—I. American, Miss Riggs 4. III. Greek, Miss Rice 1. VI. Modern, Miss Riggs 3.

Economics.—I. Economic Theory, Mr. McKitrick 2. V. Commercial History of Europe, Mr. McKitrick 4.

Government.—I. American Government, Mr. Meyerholz 4. II. American Constitutional History I., Mr. Meyerholz 5. VII. Constitutional Law, Mr. Meyerholz 3.

The Manual Arts.—I. Manual Training Methods I., Mr. Bailey 2.

Physical Education.—I. Anatomy I., Mr. Seymour 3.

JUNIOR COLLEGE COURSES.

Professional Instruction in Education.—1st Psychology, Mr. Colgrove 1-3-5. History of Education, Mr. Walters 3-4. 1st Primary Methods, Miss McGovern 2-3-4. 2nd Primary Methods, Miss McGovern 1.

Training in Teaching.—Primary Criticism, Miss Hatcher 6. Kindergarten Theory (Junior) Miss Ward 4. Kindergarten Theory (Senior) Miss Ward and Miss Dowdell 4. Kindergarten Practis, Miss Dowdell 2-3.

Chemistry.—1st Inorganic Chemistry, Mr. Page 1. Household Chemistry, Mr. Page 4.

Physics.—Sound, Mr. Begeman 5.

Natural Science.—Zoology, Mr. Arey 3-4-5.

Art.—Water Color, Miss Thornton 1. 1st Primary Drawing, Miss Thornton 2-3-4. Cast Drawing, Miss Patt 2. 1st Kindergarten Drawing, Miss Patt 3. Still Life, Miss Patt 4. Perspectiv, Miss Patt 1.

Vocal Music.—1st Vocal Music, Mr. Fullerton 3;

Miss Dickey 1; Miss Stenwall 5; Mr. Hays 4. 2nd Vocal Music, Mr. Fullerton 1; Miss Stenwall 4; Mr. Hays 2. 3rd Music, (a) Harmony (Tuesday, Thursday), Mr. Fullerton; (b) Sight-singing (Monday, Wednesday, Friday), Mr. Fullerton 2. 4th Music, (a) History (Monday, Thursday), Miss Childs; (b) Sight-singing (Tuesday, Wednesday, Friday), Miss Stenwall 3. 7th Music, (a) History (Monday, Wednesday), Miss Childs; (b) Harmony (Tuesday, Friday), Mr. Merrill; (c) Conducting (Thursday), Mr. Fullerton 4. Practis Teaching for Music Students, Miss Dickey 3; Miss Stenwall 2.

Physical Education.—Anatomy I., Mr. Seymour 3. Gymnastic Pedagogy, Mr. Seymour 4. Anthropometry and Physical Diagnosis, Mr. Seymour 5. Primary Physical Training, 3-4.

The Manual Arts.—Manual Training Methods I., Mr. Bailey 2. 1st Mechanical Drawing, Mr. Bailey 3. Advanced Mechanical Drawing, Mr. Bailey 5. 1st Bench Work, Mr. Bailey 1. Advanced Bench Work, Mr. Brown 3-5. Woodturning, Mr. Brown 3-5. Primary Handwork, Mrs. McMahan 1-3-5. 1st Sewing, Mrs. McMahan 2. Elementary Handwork, Mr. Brown 4.

Home Economics.—Domestic Science. (1) 1st Year Training Class. Foods; Composition and Dietary Uses, Miss Townsend (Monday, Wednesday) 1:30 to 2:25. Cookery, Miss Townsend (Monday, Wednesday), 2:25 to 5:00. (2) 2nd Year Training Class. Cookery, Miss Townsend (Tuesday, Thursday) 3:15 to 5:30. Practis Teaching in Cookery (Tuesday, Thursday), 1:00 to 3:15.

COUNTY AND STATE CERTIFICATE COURSE.

Professional Instruction in Education.—1st Psychology, Mr. Samson 3. 2nd Psychology, Mr. Samson 5. School Management, Mr. Colgrove 2; Mr. Dick 1-3. History of Education, Mr. Walters 3-4. Principles of Education, Mr. Dick 2. Methods, Miss Buck 2-3. Didactics, Miss Buck 1-5.

English Language and Literature.—Rhetoric, Mr. Lynch 1-5; Mr. Gist 4-5; Miss Lambert 2; Miss Gregg 5; Miss Hearst 4; Miss Lodge 1-3. American Literature, Miss Baker 2. 1st English Classics Miss Oliver 4. 2nd English Classics, Miss Hearst 5. Complete English Composition, Miss Lodge 4. Complete English Grammar, Miss Gregg 2-3-4. 1st half English Composition, Miss Baker 5. 2nd half English Composition, Miss Baker 3. 1st half English Grammar, Miss Baker 4; Miss Hearst 1. 2nd English Grammar, Miss Hearst 2. Orthography, Miss Oliver 1-2.

Elocution and Public Speaking.—Elocution, Miss Falkler 2-4. Reading, Miss Falkler 1-3.

Latin and Greek.—Latin. 1st Latin Lessons, Miss Call 1. 2nd Caesar, Miss Call 3.

Geometry and Surveying.—Beginning Geometry, Mr. Wright 2-3. Middle Geometry, Mr. Wright 4. Solid Geometry, Mr. Wright 5.

Mathematics.—1st Algebra, Miss Seals 4-5. 2nd Algebra, Miss Seals 3. 3rd Algebra, Mr. Condit 2. Two term Algebra, Mr. Condit 5. Complete Arithmetic, Mr. Condit 3; Mr. Cory 2-4. 1st half Arithmetic, Miss Lambert 2-3-4. 2nd half Arithmetic, Miss Lambert 5.

Physics.—1st Physics, Mr. Hersey 1-4; ————— 2-3. 2nd Physics, Mr. Hersey 2; ————— 5.

Natural Science.—General Botany, Mr. Newton 5. Physiology, Mr. Newton 1-2. Physiography, Mr. Cable 1-3. Complete Geography, Mr. Cable 5. 1st half Geography, Miss Aitchison 2-4. 2nd half Geography, Miss Aitchison 3.

History.—1st General History, Miss Rice 3. 2nd General History, Miss Riggs 2. Complete U. S. History, Miss Riggs 5. 1st half U. S. History, Miss Rice 4; Mr. Peterson 1. 2nd half U. S. History, Miss Rice 5.

Economics.—Economics, Mr. McKitrick 5. Elementary Economics, Mr. McKitrick 3; Mr. Peterson 4.

Government.—Iowa and U. S. Civics (Review), Mr. Meyerholz 2. Iowa History and Civics, Mr. Peterson 2. U. S. Civics, Mr. Peterson 3.

Art.—1st Drawing, Miss Patt 4. 2nd Drawing, Miss Patt 1.

Commercial Education.—1st Penmanship, Mr. Cummins 1-2. Advanced Penmanship, Mr. Cummins 4. 1st Bookkeeping, Mr. Cummins 3.

Vocal Music.—1st Vocal Music, Mr. Fullerton 3; Miss Dickey 1; Miss Stenwall 5; Mr. Hays 4. 2nd Vocal Music, Mr. Fullerton 1; Miss Stenwall 4; Mr. Hays 2.

Home Economics.—Domestic Science. 1st Cookery, Miss Townsend (Tuesday, Thursday), 1:00 to 3:15.

WINTER TERM.

College Course.

Professional Instruction In Education.—I. 1st Psychology, Mr. Samson 1. II. 2nd Psychology, Mr. Samson 2; Mr. Dick 1. III. School Management, Mr. Colgrove 2; Mr. Dick 1-4. IV. History of Education, Mr. Walters 4. V. Philosophy of Education, Mr. Walters 2. VI. American Education, Mr. Seerley 1.

English Language and Literature.—I. Rhetoric, Mr. Lynch 5; Mr. Gist 1-4; Miss Lodge 2-4. II. (a) English Literature, Mr. Lynch 2; (b) English Literature, Miss Lambert 3; IV. Epic Poetry in English, Mr. Lynch 3. VII. Anglo Saxon and The History of the English Language, Mr. Gist 2. XIV. American Literature, Miss Lambert 1.

Elocution and Public Speaking.—II. Elocution II., Miss Martin 3. III. Applied Drama, Miss Martin 4. V. Repertoire II., Miss Martin 2. IX. Oratory I, Mr. Barnes 1; Oratory II., Mr. Barnes 3.

Latin and Greek.—(1) Latin. II. Livy, Mr. Merchant 2. XI.. Pliny and Martial, Mr. Merchant 1. XIV. Teach-

ers' Latin, Mr. Merchant 1 (Monday, Friday) and 6 (Tuesday, Wednesday, Thursday). XVII. Elementary Latin: Caesar 5, or Cicero 3, Mr. Merchant. XX. Vergil (Aeneid, Second term), Miss Call 2. (2) **Greek.** II. Lessons, Miss Call 4.

German and French.—(1) **German.** I. Grammar, Miss Lorenz 1. II. Grammar, Mr. Knoepfler 4. III. Imensee and Hoehner als die Kirche, Miss Lorenz 5. IV. Die Journalisten, Miss Lorenz 2. V. Wilhelm Tell or Maria Stuart or Die Jungfrau von Orleans, Miss Lorenz 3. VI. Prose Composition, Mr. Knoepfler 1. VIII. Nathan der Weise, Mr. Knoepfler 3. (2) **French.** II. Lessons, Mr. Knoepfler 2.

Mathematics.—I. Higher Algebra 1., Miss Seals 2. III. Trigonometry, Mr. Condit 3. VI. Differential Calculus, Mr. Condit 1.

Chemistry.—I. Inorganic, Mr. Page 2. II. Inorganic, Mr. Getchell 3. III., IV. Qualitativ Analysis, Mr. Getchell 1-2. V., VI., Quantitativ Analysis, Mr. Getchell 5-6. VIII. Assaying, Mr. Page 5-6.

Physics.—I. Mechanics of Solids and Fluids, Mr. Begeman 4. II. Sound and Light, Mr. Begeman 3.

Natural Science.—III. Hygiene and Sanitation, Mr. Newton 4-5. VII. Geology I., Mr. Arey 3. IX. Mineralogy, Mr. Arey 4. XI. Commercial Geography of North America, Miss Aitchison 5. XIII. Influences of Geography upon American History, Mr. Cable 4.

History.—IV. Roman, Miss Rice 2. V. Medieval, Miss Riggs 1. VII. 18th Century, Miss Riggs 2.

Economics.—III. English Industrial History, Mr. McKitrick 1. VI. Money and Banking, Mr. Mc Kitrick 3.

Government.—III. American Constitutional History II., Mr. Meyerholz 4. IV. English Government, Mr. Meyerholz 2. VI. International Law, Mr. Meyerholz 3.

Art.—I. History of Architecture and Sculpture, Miss Thornton 2.

The Manual Arts.—II. Manual Training Methods II., Mr. Bailey 2.

Physical Education.—II. Anatomy II., Mr. Seymour 3.

Junior College Courses.

Professional Instruction in Education.—1st Psychology, Mr. Dick 5. 2nd Psychology, Mr. Colgrove 1-3-5. History of Education, Mr. Walters 1-3. 1st Primary Methods, Miss McGovern 5. 2nd Primary Methods, Miss McGovern 2-3-4.

Training in Teaching.—Primary Criticism, Miss Hatcher 6. Kindergarten Theory (Junior), Miss Ward and Miss Dowdell 4. Kindergarten Theory (Senior) Miss Ward 4. Kindergarten Practis, Miss Dowdell 2-3.

English Language and Literature.—English Literature, Miss Lambert 5.

Chemistry.—2nd Inorganic, Mr. Page 1. Household Chemistry, Mr. Page 4.

Natural Science.—Structural Botany, Mr. Arey 1-2.

Art.—History of Architecture and Sculpture, Miss Thornton 2. Cast Drawing, Miss Patt 5. Still Life, Miss Thornton 1-3. Perspectiv, Miss Patt 3-4. 2nd Primary Drawing, Miss Thornton 1-4. 2nd Kindergarten Drawing, Miss Patt 1.

Vocal Music—1st Vocal Music, Mr. Fullerton 3; Miss Stenwall 1; Mr. Hays 2-5. 2nd Vocal Music, Miss Stenwall 3; Miss Dickey 1. 3rd Music, Mr. Fullerton 1; 4th Music, (a) History (Monday, Thursday), Miss Childs; (b) Sightsinging (Tuesday, Wednesday, Friday), Miss Stenwall 4. 5th Music, (a) Ear Training (Monday, Wednesday), Mr. Fullerton; (b) Harmony (Tuesday, Friday), Mr. Merrill; (c) Conducting (Thursday), Mr.

Fullerton 2. 8th Music, (a) Appreciation, (Monday, Thursday), Mr. Fullerton; (b) Harmony (Tuesday, Friday), Mr. Merrill; (c) Child Voice (Wednesday), Miss Stenwall 4. Practis Teaching for Music Students, Miss Dickey 3; Miss Stenwall 2.

Physical Education.—Anatomy II., Mr. Seymour 3. Theory and Systems of Physical Education, Mr. Seymour 5. 2nd Primary Physical Training 3-4.

The Manual Arts.—Manual Training Methods II. Mr. Bailey 2. 1st Bench Work, Mr. Bailey 4. Advanced Bench Work, Mr. Brown 2-5. 1st Mechanical Drawing, Mr. Brown 3. Advanced Mechanical Drawing, Mr. Bailey 5. Sheet Metal Work, Mr. Bailey 3. Woodturning, Mr. Brown 2-5. Elementary Handwork, Mr. Brown 1. Primary Handwork, Mrs. McMahan 1-2-5. 2nd Sewing, Mrs. McMahan 2.

Home Economics.—Domestic Science. (1) 1st Year Training Class. Foods: Composition and Dietary Uses, Miss Townsend (Monday, Wednesday), 1:30 to 2:25. Cookery, Miss Townsend (Monday, Wednesday), 2:25 to 5:00. (2) 2nd Year Training Class. Household Architecture, Miss Townsend (Tuesday), 3:30; (Friday) 1:30 to 2:25. Cookery, Miss Townsend (Thursday), 3:15 to 6:00. Practis Teaching in Cookery (Tuesday, Thursday), 1:00 to 3:15.

County and State Certificate Courses.

Professional Instruction in Education.—1st Psychology, Mr. Samson 3. 2nd Psychology, Mr. Samson 5. School Management, Mr. Colgrove 2, Mr. Dick 1-4. History of Education, Mr. Walters 1-3. Principles of Education, Mr. Dick 2. Methods, Miss Buck 2-3. Didactics, Miss Buck 1-5.

English Language and Literature.—Rhetoric, Mr. Lynch 5; Mr. Gist 1-4; Miss Lodge 2-4. American Literature, Miss Baker 1. 1st English Classics, Miss Oliver 4. 2nd English Classics, Miss Hearst 5. Complete English Composition, Miss Lodge 1. Complete English Grammar, Miss Gregg 2- 3- 4- 5. 1st half English Composition, Miss

Baker 2. 2nd half English Composition, Miss Baker 5. 1st half English Grammar, Miss Hearst 2-3. 2nd half English Grammar, Miss Baker 3; Miss Hearst 4. Orthography, Miss Oliver 1-2.

Elocution and Public Speaking.—Elocution, Miss Falkler 2-3-5. Reading, Miss Falkler 1.

Latin and Greek.—**Latin.** 2nd Latin Lessons, Miss Call 1. 1st Cicero, Miss Call 3.

Geometry and Surveying.—Beginning Geometry, Mr. Wright 4. Middle Geometry, Mr. Wright 2-3. Solid Geometry, Mr. Wright 5.

Mathematics.—1st Algebra, Miss Lambert 2. 2nd Algebra, Miss Seals 3-4. 3rd Algebra, Miss Seals 5. Two term Algebra, Mr. Condit 5. Complete Arithmetic, Mr. Condit 2; Mr. Cory 4. 1st half Arithmetic, Mr. Cory 1-2-3. 2nd half Arithmetic, Miss Lambert 3-4-5.

Physics.—1st Physics, Mr. Hersey 1-4; ————— 2. 2nd Physics, ————— 3-5. 3rd Physics, Mr. Hersey 2.

Natural Science.—Hygiene and Sanitation, Mr. Newton 4-5. Physiology, Mr. Newton 2-3. Physiography, Mr. Cable 3-5. Complete Geography, Mr. Cable 1. 1st half Geography, Miss Aitchison 1-4. 2nd half Geography, Miss Aitchison 3.

History.—1st General History, Miss Rice 3. Complete U. S. History, Miss Riggs 3-4. 1st half U. S. History, Miss Rice 4; Mr. Peterson 3. 2nd Half U. S. History, Miss Rice 5.

Economics.—Economics, Mr. McKitrick 5. Elementary Economics, Mr. McKitrick 4; Mr. Peterson 5.

Government.—Iowa and U. S. Civics (Review), Mr. Meyerholz 1. Iowa History and Civics, Mr. Peterson 1. U. S. Civics, Mr. Peterson 2.

Art.—1st Drawing, Miss Thornton 1-3. 2nd Drawing, Miss Patt 3-4.

Commercial Education.—1st Penmanship, Mr. Cummins 3-5. Advanced Penmanship, Mr. Cummins 4. 1st Bookkeeping, Mr. Cummins 1. 2nd Bookkeeping, Mr. Cummins 2.

Vocal Music.—1st Vocal Music, Mr. Fullerton 3; Miss Stenwall 1; Mr. Hays 2-5. 2nd Vocal Music, Miss Stenwall 3; Miss Dickey 1.

Home Economics.— Domestic Science. 1st Cookery, Miss Townsend (Tuesday, Thursday), 1:00 to 3:15.

Lecture Courses.—Library Course for Teachers, Miss Biscoe 5.

SPRING TERM.

College Course.

Professional Instruction in Education.—I. 1st Psychology, Mr. Samson 2. II. 2nd Psychology, Mr. Samson 1. III. School Management, Mr. Colgrove 2-3; Mr. Dick 1-4. IV. History of Education, Mr. Walters 2. V. Philosophy of Education, Mr. Walters 4. VII. Experimental Psychology, Mr. Colgrove 4. VIII. School Supervision, Mr. Dick 2.

English Language and Literature.—I. Rhetoric, Mr. Lynch 2-5; Mr. Gist 1. II. (a) English Literature, Miss Hearst 1; (b) English Literature, Miss Lambert 2. III. Shakespeare, Mr. Gist 2. VI. Development of the English Drama, Miss Lambert 1. VIII. Anglo Saxon and Middle English, Mr. Gist 4. X. The Development of the English Novel, Miss Lodge 5. XIII. Teachers' English, Mr. Lynch 3. XIV. American Literature, Miss Lambert 4.

Elocution and Public Speaking.—II. Elocution II., Miss Martin 1. VII. Principles of Expression, Miss Martin 2. VIII. Argumentation, Mr. Barnes 2; IX. Oratory I., Mr. Barnes 3.

Latin and Greek.—(1) **Latin.** III. Horace, Mr. Merchant 2. XII. Juvenal, Mr. Merchant 1. XV. Teachers' Latin, Mr. Merchant 1 (Monday, Friday) and 6 (Tuesday, Wednesday, Thursday). XVIII. Elementary Latin: Cicero 5, or Vergil's *Bucolics* and *Georgics* 3, Mr. Merchant. XXI. Vergil (*Aeneid*, Third term), Miss Call 2. (2) **Greek.** III. *Anabasis*, Miss Call 4.

German and French.—(1) **German.** I. Grammar, Mr. Knoepfler 1. II. Grammar, Miss Lorenz 5. III. *Immensee* and *Hoehher als die Kirche*, Mr. Knoepfler 4. IV. *Die Journalisten*, Miss Lorenz 1. V. *Wilhelm Tell* or *Maria Stuart* or *Die Jungfrau von Orleans*, Miss Lorenz 2. VI. Prose Composition, Miss Lorenz 3. IX. *Iphigenie auf Tauris* and *Die Braut von Messina*, Mr. Knoepfler 3. (2) **French.** III. *L'Abbe Constantin* and *Le Voyage de Monsieur Perrichon*, Mr. Knoepfler 2.

Geometry and Surveying.—I. Solid Geometry, Mr. Wright 4. II. Surveying, Mr. Wright 3.

Mathematics.—II. Higher Algebra II., Mr. Condit 2. III. Trigonometry, Mr. Condit 1. IV. History and Teaching of Mathematics, Mr. Condit 5. VII. Integral Calculus, Mr. Condit 3.

Chemistry.—I. Inorganic, Mr. Page 3. II. Inorganic, Mr. Page 2. III. IV. Qualitativ Analysis, Mr. Getchell 3-4. V. VI. Quantitativ Analysis, Mr. Getchell 5-6. VII. Water Analysis, Mr. Getchell 5-6.

Physics.—I. Mechanics of Solids and Fluids, Mr. Begeman 4. III. Heat, Electricity and Magnetism, Mr. Begeman 1.

Natural Science.—II. Botany I., Mr. Newton 1-2 (Laboratory work, Tuesday, Friday, 3-5). V. Zoology II., Mr. Arey 4. VIII. Geology II., Mr. Arey 3. X. Astronomy, Mr. Cable 1. XI. Commercial Geography of North America, Miss Aitchison 3. XII. Commercial Geography of Europe, Miss Aitchison 2.

History.—II. English, Miss Rice 2. VI. Modern, Miss Riggs 2. VIII. 19th Century, Miss Riggs 1.

Economics.—I. Economics Theory, Mr. McKittrick

3.

Government.—I. American Government, Mr. Meyerholz 3. V. Modern European Governments, Mr. Meyerholz 2. English Constitutional History, Mr. Meyerholz 4.

Art.—II. History of Painting, Miss Thornton 1.

The Manual Arts.—III. Organization and Economics of Manual Training, Mr. Bailey 4.

Junior College Courses.

Professional Instruction in Education.—2nd Psychology, Mr. Colgrove 1. History of Education, Mr. Walters 1-3. 2nd Primary Methods, Miss McGovern 1. 3rd Primary Methods, Miss McGovern 2-3-4.

Training in Teaching.—Observation in Training School (Primary), Miss Hatcher 2-5. Primary Theory (for Kindergartners), Miss Hatcher 5. Primary Criticism, Miss Hatcher 6. Kindergarten Theory and Observation (for Primary Teachers), Miss Ward 2. Kindergarten Theory (Senior), Miss Ward 4. Kindergarten Practis, Miss Ward 2-3.

Chemistry.—Qualitativ Analysis, Mr. Getchell 1-2. Food Analysis, Mr. Page 4.

Natural Science.—Nature Study, Mr. Arey 2. Structural Botany, Mr. Arey 1.

Art.—History of Painting, Miss Thornton 1. Supervision in Art, Miss Thornton 4. Design, Miss Patt 3. Still Life, Miss Patt 2. Perspectiv, Miss Thornton 2; Miss Patt 1-4. 3rd Primary Drawing, Miss Thornton. 1-3.

Vocal Music.—1st Vocal Music, Miss Stenwall 1; Mr. Hays 3. 2nd Vocal Music, Miss Dickey 1; Miss Stenwall 3; Mr. Hays 2. 3rd Music, Mr. Fullerton 2. 4th Music, (a) History (Monday, Wednesday) Miss Childs; (b) Sight-singing (Tuesday, Thursday, Friday), Miss Stenwall 4. 5th Music, (a) Ear Training (Monday, Wednes-

day), Mr. Fullerton; (b) Harmony (Tuesday, Thursday), Mr. Merrill; (c) Conducting (Friday), Mr. Fullerton 1. 6th Music, (a) Methods (Monday, Wednesday), Mr. Fullerton and Miss Dickey; (b) Harmony (Tuesday, Friday), Mr. Merrill; (c) History (Thursday), Miss Childs 4. 9th Music, (a) Harmony (Monday, Thursday), Mr. Merrill; (b) Supervision (Tuesday, Wednesday), Mr. Fullerton and Miss Dickey; (c) Theory (Friday), Mr. Fullerton 4. Practis Teaching for Music Students, Miss Dickey 3; Miss Stenwall 2.

Physical Education.—Physiology of Exercise, Mr. Seymour 3. Advanced Hygiene, Mr. Seymour 4. History of Physical Education, Mr. Seymour 5. 3rd Primary Physical Training, 3-5.

The Manual Arts.—Organization and Economics of Manual Training, Mr. Bailey 4. 1st Bench Work, Mr. Bailey 2. Advanced Bench Work, Mr. Brown 4-5. 1st Mechanical Drawing, Mr. Brown 3. Advanced Mechanical Drawing, Mr. Bailey 5. Sheet Metal Work, Mr. Bailey 3. Woodturning, Mr. Brown 4. Elementary Handwork, Mr. Brown 1. Primary Handwork, Mrs. McMahon 3-5. 3rd Sewing, Mrs. McMahon 2.

Home Economics.—Domestic Science. (1) 1st Year Training Class. Foods: Composition and Dietary Uses, Miss Townsend (Monday, Wednesday) 1:30 to 2:25. Cookery, Miss Townsend (Monday, Wednesday) 2:25 to 5:00. Waitress Work, Miss Townsend (Tuesday, Thursday, Friday) 11:15 to 12:10. Methods in Domestic Science, Miss Townsend (Wednesday) 11:15 to 12:10. (2) 2nd Year Training Class. Cookery, Miss Townsend (Tuesday) 3:30 to 5:00. Practis Teaching in Cookery (Tuesday, Thursday) 1:00 to 3:15.

County and State Certificate Courses.

Professional Instruction in Education.—1st Psychology, Mr. Samson 3. 2nd Psychology, Mr. Samson 5. School Management, Mr. Colgrove 2-3; Mr. Dick 1-4. History of Education, Mr. Walters, 1-3. Principles of

Education, Mr. Dick 3. Methods, Miss Buck 3-5. Didactics, Miss Buck 2-4.

English Language and Literature.—Rhetoric, Mr. Lynch 2-5; Mr. Gist 1. American Literature, Miss Gregg 5. 1st English Classics, Miss Oliver 4. 2nd English Classics, Miss Hearst 5. Complete English Composition, Miss Lodge 2. Complete English Grammar, Miss Gregg 2-3-4. 1st half English Composition, Miss Baker 2. 2nd half English Composition, Miss Lodge 4. 1st half English Grammar, Miss Hearst 2-4. 2nd half English Grammar, Miss Baker 3-5. Orthography, Miss Oliver 1-2.

Elocution and Public Speaking.—Elocution, Miss Falkler 1-3-4. Reading, Miss Falkler 2.

Latin and Greek.—Latin. 1st Caesar, Miss Call 1. 2nd Cicero, Miss Call 3.

Geometry and Surveying.—Middle Geometry, Mr. Wright 2. Solid Geometry, Mr. Wright 5.

Mathematics.—1st Algebra, Miss Seals 2. 2nd Algebra, Miss Lambert 5. 3rd Algebra, Miss Seals 4-5. Two term Algebra, Miss Seals 3. Complete Arithmetic, Mr. Cory 1; Miss Lambert 2. 1st half Arithmetic, Miss Lambert 3-4. 2nd half Arithmetic, Mr. Cory 3-4. Teachers' Arithmetic, Mr. Cory 2.

Physics.—1st Physics, Mr. Hersey 2-3. 2nd Physics, Mr. Hersey 5; ————— 1. 3rd Physics, ————— 3-5.

Natural Science.—General Botany, Mr. Newton 1-2. Physiology, Mr. Newton 4. Physiography, Mr. Cable 2-5. Complete Geography, Mr. Cable 3. 1st half Geography, Miss Aitchison 4. 2nd half Geography, Miss Aitchison 1.

History.—1st General History, Miss Rice 4. 2nd General History, Miss Riggs 3. Complete U. S. History, Miss Riggs 4. 1st half U. S. History, Miss Rice 3; Mr. Peterson 5. 2nd half U. S. History, Miss Rice 1.

Economics.—Economics, Mr. McKitrick 1. Elementary Economics, Mr. McKitrick 4; Mr. Peterson 3.

Government.—Iowa and U. S. Civics (Review), Mr. Meyerholz 1. Iowa History and Civics, Mr. Peterson 1. U. S. Civics, Mr. Peterson 2.

Art.—1st Drawing, Miss Patt 2. 2nd Drawing, Miss Thornton 2; Miss Patt 1-4.

Commercial Education.—1st Penmanship, Mr. Cummins 1-3. Advanced Penmanship, Mr. Cummins 4. 1st Bookkeeping, Mr. Cummins 2. 2nd Bookkeeping, Mr. Cummins 1. 3rd Bookkeeping, Mr. Cummins 3.

Vocal Music.—1st Vocal Music, Miss Stenwall 1; Mr. Hays 3. 2nd Vocal Music, Miss Dickey 1; Miss Stenwall 3; Mr. Hays 2.

Home Economics.—Domestic Science. 1st Cookery, Miss Townsend (Tuesday, Thursday), 1:00 to 3:15.