

7-1909

Courses of Study and Program of Recitations, 1909-1910

Iowa State Teachers College

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Courses of Study
AND
Program of Recitations

FOR THE
SCHOOL YEAR 1909-1910

BULLETIN OF THE
IOWA STATE TEACHERS COLLEGE
CEDAR FALLS, IOWA

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 1909-1910

Fall term opens Tuesday, August 31, 1909.

Winter term opens Tuesday, November 30, 1909.

Spring term opens Tuesday, March 15, 1910.

Summer term opens Saturday, June 11, 1910

IOWA STATE TEACHERS COLLEGE

THE COLLEGE COURSE OF STUDY

REQUIREMENTS FOR ADMISSION.

Applicants for unconditional admission to the Teachers College must be at least sixteen years of age and must present satisfactory records from accredited secondary schools showing a total of fourteen units of work in accordance with the standards required by the North Central Association of Colleges and Secondary Schools. Students who are lacking in any of these respects will be given conditional admission in so far as their records permit, the deficiencies being required to be made in the secondary school maintained by the Teachers College. The term unit as employed in the North Central States signifies a year's work where the class hours are forty-five minutes in length, the number of class hours per week being not less than five. The necessary fourteen units are to be selected from the following lines of study, the possible maximum in each kind being represented by the number attached to the departments as here outlined.

SECONDARY BRANCHES

MAXIMUM UNITS

1. English—Grammar, Literature, Composition, Rhetoric	3
2. Mathematics—Algebra, Geometry, Trigonometry,	4
3. History—Ancient, Medieval, Modern, English, American	4
4. Latin—Lessons, Cæsar, Cicero, Vergil	4
5. Greek—Lessons, Anabasis, Homer	3
6. German	4
7. French	4
8. Physics	1

9.	Chemistry	1
10.	Physiography	1
11.	Botany	1
12.	Zoology	1
13.	Commercial Branches, Manual Training, Home Economics, and other secondary branches when they are not made the principal subjects in the course of study taken.	
	Elementary Economics, one-half unit; Civics, one-half unit.	

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 A. B. in Education and a First Grade State Certificate. Those who complete twenty-seven full college credits shall be entitled to the degree 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 degree 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 degree or the Master of Didactics degree must elect one additional term in each of the following subjects: English, History, Mathematics, Advanced Economics or American Government, Physics, and Practis Teaching.

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 elective 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 enroll 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. Two terms of work required (I., II.)

- I. Rhetoric.
- II. History of English Literature.
- III. Shakespeare.

- IV. English Lyric Poetry.
- V. The English Romantic Movement.
- VI. The Development of the English Drama.
- VII. Anglo Saxon and the History of English Language.
- VIII. Early English.
- IX. Literary Criticism.
- X. The Essay in English Literature.
- XI. English Literature of the Nineteenth Century.
- XII. Theme Writing and Story Telling.
- XIII. Special Course for High School Teachers.

Elocution and Public Speaking.

Elocution—

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

Public Speaking—

- I. Forensic Declamation.
- II. Oratorical Declamation.
- III. Argumentation.
- IV. Public Address.
- V. Oratory.

Latin and Greek.

Latin—

- I. Cicero (Cato Major) and Livy.
- II. (Livy.)
- III. Horace (Epodes and Odes).
- IV. (VII. or X.) Roman Life.
- V. (VII. or XI.) Roman Life.
- VI. (IX. or XII.) Roman Life.
- XIII. Teachers' Latin.
- XIV. Teachers' Latin.
- XV. Teachers' Latin.
- XVI. Elementary Latin for College Students.

- XVII. Elementary Latin for College Students.
 XVIII. Elementary Latin for College Students.
 XIX. Vergil.
 XX. Vergil.
 XXI. Vergil.

Greek—

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

NOTE.—Courses XVI. to XXI., inclusiv, cannot be counted toward a Latin Major.

German and French.

German—

- I. Lessons—Grammar.
 II. Lessons—Grammar.
 III. Immensee and Hoehel 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. Water Analysis.
- VIII. Assaying.
- IX. Food Analysis.

Physics.

- I. Mechanics of Solids and Fluids.
- II. Sound and Light.
- III. Heat, Electricity, and Magnetism.
- IV. Teachers' Special Course.

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 Sanitation.

History and Politics.

History—

- I. American History.
- II. English History.
- III. Greek History.
- IV. Roman History.
- V. Eighteenth Century History.
- VI. Nineteenth Century History.
- VII. Method History or Teachers' History.
- VIII. Medieval History.
- IX. Modern 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. Comparativ Politics.
- VI. Elements of International Law.
- VII. Principles of 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.

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 other professional credits may be substituted on arrangement with the department. Those not having this standard of success are developed and trained by the Practis 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 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. Practis Teaching.

THIRD TERM.

1. Experimental Psychology.
2. Great Educators.
3. Practis 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 required 9 credits

Graduates of approved colleges can complete this course in one year, and will receive the degree 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.

Conditions of Admission.—The requirement for unconditional admission is the same as that designated for admission to college courses heretofore given. Students not meeting such standard are accepted as preparatory students and given the instruction in secondary work that is necessary to fully comply with such minimum condition.

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 and a second grade state certificate is granted by the state.

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.

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 or Pub. Speaking.	2. Botany
3. Prim'y Handw'k	3. Psychology.	3. Obs. in Training School.
4. Rhetoric.	4. Vocal Music. Physical Training.	4. Vocal Music.
	Literary Society Work.	

SECOND YEAR.

A	B	C
1. Sch. Managem't.	1. Hist. of Educa'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. Physical Training.	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. Physical Training.	4. Nature Study.
	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 or Pub. Speaking.	3. Hist. of Educa'n.	3. Primary Theory.
4. Electiv.	4. Electiv. Physical Training.	4. Electiv.
	Literary Society Work.	

SUPERVISOR YEAR.

A	B	C
1. Kg. Theory.	1. Kg. Theory.	1. Psychology.
2. Phil. of Educa'n.	2. Sch. Supervision.	2. Kg. Practis.
3. Harmony.	3. Public Speaking.	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. Sightsinging (1)
		5. Piano.

Physical Training.
Literary Society Work.

SECOND YEAR.

A	B	C
1. Sound.	1. History.	1. Hist. of Educa'n.
2. Elocution or	2. Sch. Managem't	2. Voice.
Pub. Speaking.	3. 8th term Music	3. 9th term Music
3. 7th term Music	Musical Form &	Supervision (2)
Hist of Mus. (2)	Analysis (2)	Harmony (2)
Harmony (2)	Harmony (2)	Theory of
Conducting (1)	Child Voice (1)	Music (1)
4. Observation	4. Prac. Teaching.	4. Prac. Teaching.
(half credit.)		

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

1. Cast Drawing.
2. History (Greek)
3. Elocution or
Public Speaking
4. Rhetoric.

B

1. Cast Drawing.
2. Medieval Hist'y.
3. Psychology.
4. Hist. of Architec-
ture & Sculpt're.
Physical Training.
Literary Society Work.

C

1. Hist. of Paint'g.
2. Psychology.
3. Phys. Sci. Electiv
4. Electiv.

SECOND YEAR.

A

1. Still Life.
2. Zoology.
3. Pol. Sci. Electiv.
4. Sch. Managem't.

B

1. Perspectiv.
2. El. Handwork.
3. Eng. Literature.
4. Prac. Teaching.
Physical Training.
Literary Society Work.

C

1. Design.
2. Mathematics.
3. Hist. of Educa'n.
4. Prac. Teaching.

THIRD YEAR.

A

1. Water Color.
2. Profess'l Electiv.
3. Physiography.
4. El. of Lit. Crit.

B

1. Mech. Drawing.
2. Geology.
3. Phil. of Educa'n.
4. Sheet Met. Work.
Literary Society Work.

C

1. Supervis'n in Art
2. Chemistry.
3. Botany.
4. Electiv.

THE MANUAL TRAINING TEACHERS' COURSE

FIRST YEAR.

A	B	C
1. Rhetoric.	1. Higher Algebra I.	1. Eng. Literature.
2. Psychology.	2. Psychology.	2. Sch. Managem't.
3. Com. Geog. of N. A.	3. Prim. Handwork.	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 Educa'n.	1. XIX. Cent. Hist.
2. Man. Training Methods.	2. Man. Training Methods.	2. Physics I.
3. Bench Work.	3. Bench Work.	3. Bench Work.
4. Mech. Drawing.	4. Sheet Met. Work.	4. Special Electiv.
5. Ele. Handwork.	5. Prac. Teaching.	5. Prac. Teaching.
	Physical Training.	
	Literary Society Work.	

THIRD YEAR.

A	B	C
1. Profess'l Electiv.	1. Phil. of Educa'n.	1. Org. & Econ. of Man. Training.
2. Elocution or Pub. Speaking.	2. Chemistry I.	2. Chemistry II.
3. Bench Work.	3. Special Electiv.	3. Nat. Sci. Electiv.
4. Electiv.	4. Indus. History.	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. Chemistry. | 4. Inorg. Chemistry. | 4. Qual. Analysis. |
| 5. Rhetoric. | 5. Sanitation. | 5. Sewing. |
| | | 6. Methods in Dom. Science. |

Physical Training.
Literary Society Work.

SECOND YEAR.

A

1. Cookery.
2. Psychology.
3. Household Chem.
4. Adv. Physiology.
5. *Prac. Teaching.*

B

1. Cookery.
2. Household Architecture.
3. Household Chem.
4. Psychology.
5. *Prac. Teaching.*

C

1. Cookery.
2. Food Analysis.
3. Hist. of Educa'n.
4. Sch. Managem't.
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 required.

THE PHYSICAL EDUCATION TEACHERS' COURSE

FIRST YEAR.

A

1. Electiv (Math.)
2. Electiv (Hist.)
3. Rhetoric.

B

1. Chemistry I.
 2. Elocution or Public Speaking.
 3. Psychology.
- Physical Training.
Literary Society Work.

C

1. Chemistry II.
2. Electiv. (Eng.)
3. Psychology.

SECOND YEAR.

A

1. Gym. Pedagogy.
2. Anatomy I.
3. Sch. Managem't.

B

1. Theory of Gym. and Athletics.
 2. Anatomy II.
 3. Hist. of Educa'n.
- Physical Training.
Literary Society Work.

C

1. Hist. of Physical Training.
2. Adv. Hygiene.
3. Elec. (Pol. Sci.)

THIRD YEAR.

A

B

C

- | | | |
|-------------------------------------|----------------------|---------------------------------|
| 1. Anthropometry & Phys. Diagnosis. | 1. Prac. Teaching. | 1. Physiology of Exercise. |
| 2. Adv. Physiology | 2. Elec. (Nat. Sci.) | 2. Electiv. |
| 3. Electiv. | 3. Phil. of Educa'n. | 3. Genetic Psych. |
| | | 4. Med. Gymnastics and Massage. |

Physical Training.
Literary Society Work.

SPECIAL COURSE FOR COLLEGE GRADUATES

A

B

C

- | | | |
|-------------------------------------|--------------------------|----------------------------|
| 1. Gym. Pedagogy. | 1. Theory of Gym. & Ath. | 1. Hist. of Phys. Tr. |
| 2. Anatomy I. | 2. Anatomy II. | 2. Hygiene. |
| 3. Adv. Physiology. | 3. Electiv. | 3. Physiology of Exercise. |
| 4. Anthropometry & Phys. Diagnosis. | 4. Prac. Teaching. | 4. Medical Gym. & Massage. |

Physical Training.

TEACHERS' CERTIFICATE COURSES

SECONDARY SCHOOL COURSES PREPARATORY TO COLLEGE COURSE

I. ELEMENTARY TEACHER'S DIPLOMA.

II. GRAMMAR GRADE TEACHER'S DIPLOMA.

For teacher-students wanting preparation for the legal certificates that are required by the State of Iowa, the State Teachers College regularly maintains classes for all the subjects required in the examinations. These subjects are arranged in a logical order and are so grouped with professional study that diplomas of graduation are given. These studies when completed in full constitute in addition the equivalent of the secondary studies required for admission to the College Course and are intended to assist such students to continue their studies beyond these diplomas if they so decide.

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, 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.

2. Students who possess second grade county certificates or equivalent scholarship are admitted to the second year of this county certificate course, but must re-study such subjects as are recorded on the certificate as less than eighty-five per cent. Students with first grade county certificates are admitted to the third year of the county certificate course and are required to make twelve additional term credits in the following subjects in order to graduate: English composition, American literature, third term Algebra, physiography, bookkeeping, general botany, vocal music, principles of education or methods, general history (two terms), plane geometry (two terms). Those who complete the constants in this course will be granted The Elementary Teachers' Diploma certifying to their scholarship and capability.

3. Students who complete the Elementary Teachers' course hereafter outlined, including all electives, or who bring credits from secondary or high schools equivalent to eleven units of work as defined by the North Central Association of Colleges and Secondary Schools, are granted unconditional admission to begin the State Certificate Course hereafter outlined. Persons who desire to know whether they can meet these conditions should send a copy of their credits officially certified to by the principal or superintendent and secure a decision on the same before coming to school for work. The elective credits designated in the second and third years are required in addition to the Elementary Teacher Diploma in order to secure unconditional admission to the State Certificate Course.

4. Students who have not had high school preparation and who desire to train themselves to undertake primary, kindergarten or other special teacher work are assigned to the courses designated for county and state certificate preparation, such modifications being made as will permit them to comply with the standards adopted and at the same time have the opportunity to complete such special course as soon as the work required permits. All such persons should have their prescribed work outlined by the faculty and then they should adhere strictly to the schedule of work required.

I. UNIFORM COUNTY CERTIFICATE COURSE

Granting an Elementary Teacher Diploma when Constants are completed.

FIRST YEAR.

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

SECOND YEAR.

A	B	C
1. Eng. Comp.	1. Amer. Literature.	1. Electiv.
2. Algebra.	2. El. Economics.	2. Civics.
3. Physiography.	3. Bookkeeping.	3. Methods.
4. Electiv.	4. Electiv.	4. Electiv.

THIRD YEAR.

A	B	C
1. Plane Geometry.	1. Plane Geometry.	1. Botany.
2. Physics.	2. Physics.	2. Vocal Music.
3. Gen. History.	3. Gen. History.	3. Prin. of Educa'n.
4. Electiv.	4. Electiv.	4. Electiv.
	Physical Training.	

II. STATE CERTIFICATE COURSE

Granting a Grammar Grade Teacher Diploma and a Second Grade State Certificate.

FIRST YEAR.

A	B	C
1. Electiv.	1. Electiv.	1. Electiv.
2. Drawing.	2. Drawing.	2. Elocution.
3. Psychology.	3. Psychology.	3. *Sch. Managem't.
4. Math. Electiv.	4. Sanitation.	4. Science Electiv.
	Physical Training.	
	Literary Society Work.	

SECOND YEAR.

A

B

C

- | | | |
|----------------------|--------------------|--------------------|
| 1. Electiv. | 1. Electiv. | 1. Electiv. |
| 2. Electiv. | 2. Electiv. | 2. Electiv. |
| 3. English. | 3. English. | 3. History. |
| 4. Hist. of Educa'n. | 4. Prac. Teaching. | 4. Prac. Teaching. |
- Physical Training.
Literary Society Work.

*If all the professional subjects in the Uniform County Certificate Course have been pursued in this school, an electiv may be substituted for School Management in the course.

NOTES.—1. The Electivs in this course may be used for foren languages or college credits, provided all the requirements for a Second Grade State Certificate are otherwise met. The following subjects are constants and must be taken by all students who cannot furnish credentials showing satisfactory credits in these subjects: Botany, Economics, Physiography, Bookkeeping, Physics and Vocal Music. A term's work in Teachers' Arithmetic and Teachers' Grammar may be taken as an electiv in the first year of this course.

2. Students who are pursuing work for entrance to College Course must complete fourteen units of secondary work in which as constants are three units of English, two of Mathematics and two of foren language. All such students should receive definit instruction regarding the work to be studied at the president's offis.

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 History 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. Analysis 2
Psychology 5	Medieval History 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 Physical Training 5	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	French 5	French 5
French 5	Medieval History 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 enrold 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 1909. *The name of the teacher is given following each subject assignd* 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, inclusiv, are regarded as regular class hours.

Students' Offis Hours.—Students having business with the President's offis 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 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.

PRIVATE INSTRUCTIONS IN MUSIC

Fees Paid to Teachers

Violin Lessons—Mr. Merrill, \$1.00; Assistants, 75c.

Voice Lessons—Mr. Fullerton, \$1.50; Miss Childs, \$1.00; Assistants, 75c.

Piano Lessons—Mr. Frampton, \$1.00; Miss Whipple, 75c; Assistants, 75c.

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 to 5:00 p. m.

Band—Wednesdays, 3:30 to 4:30 p. m.

Wind Quire—Tuesdays, 3:30 to 4:30 p. m.

Junior Band—Tuesdays, 3:30 to 4:30 p. m.

High School Orchestra—Fridays, 3:30 to 4:30 p. m.

FALL TERM

College Course

PROFESSIONAL INSTRUCTION IN EDUCATION.—I. 1st Psychology, Mr. Samson 1-2. III. School Management, Mr. Colgrove 5; Mr. Dick 1-2-4. 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. Observation in Training School, Mr. Bender 4.

ENGLISH LANGUAGE AND LITERATURE.—I. Rhetoric, Mr. Lynch 1-3; Mr. Gist 1-5; Miss Lambert 5. II. History of English Literature (first term), Miss Carpenter 4. III. Shakespeare, Mr. Gist 2. IV. English Lyric Poetry, Mr. Lynch 5. XI. English Literature of the 19th Century, Miss Lambert 1. XII. Theme Writing and Story Telling, Miss Carpenter 3.

ELOCUTION AND PUBLIC SPEAKING.—(1) *Elocution*. I. Elocution I., Miss Martin 2-3. IV. Repertoire, Miss Martin 4. (2) *Public Speaking*—I. Forensic Declamation, Mr. Tompkins 3. III. Argumentation, Mr. Tompkins 2.

LATIN AND GREEK.—(1) *Latin*. I. Cicero (Cato Major) and Livy, Mr. Merchant 3. VII. Suetonius, Tibullus, Propertius, Mr. Merchant 5. XIII. Teachers' Latin, Mr. Merchant 2. XVI. Elementary Latin, Mr. Merchant 1. XIX. Vergil (1st term), Miss Call 4. (2) *Greek*.—I. Lessons, Miss Call 1. IV. Xenophon, Miss Call 3.

GERMAN AND FRENCH.—(1) *German*. I. Grammar, Mr. Knoepfler 2. II. Grammar, Miss Lorenz 3. III. Imensee and Hoehner als die Kirche, Miss Lorenz 2. IV. Die Journalisten, Miss Lorenz 4. V. Wilhelm Tell, Miss Lorenz 5. VI. Prose Composition, Mr. Knoepfler 1. VII. Emilia Galotti, Mr. Knoepfler 4. (2) *French*—I. Lessons, Mr. Knoepfler 3.

MATHEMATICS.—I. Higher Algebra I., Mr. Condit 2. V. Analytical Geometry, Mr. Condit 3. III. Trigonometry, Mr. Cory 1.

CHEMISTRY.—I. Inorganic, Mr. Page 1. II. Inorganic, Mr. Page 2. III. IV. Qualitativ Analysis, Mr. Getchell 3. V., VI. Quantitativ Analysis, Mr. Getchell 4. VII. Water Analysis, Mr. Page 5. IX. Food Analysis, Mr. Page 5.

PHYSICS.—I. Mechanics of Solids and Fluids, Mr. Begeman 1-3.

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

HISTORY AND POLITICS.—(1) *History*. I. American, Miss Riggs 3. III. Greek, Miss Rice 1. IX. Modern, Miss Riggs 4. (2) *Economics*.—I. Economic Theory, Mr. Parish 2. V. Commercial History of Europe, Mr. Parish 4. (3) *Government*.—I. American Government, Mr. Meyerholz 4. II. American Constitutional History I., Mr. Meyerholz 2.

THE MANUAL ARTS.—I. Manual Training Methods I., Mr. Bailey 2.

JUNIOR COLLEGE COURSES

PROFESSIONAL INSTRUCTION IN EDUCATION.—1st Psychology, Mr. Colgrove 1-2-3. History of Education, Mr. Walters 3-4. 1st Primary Methods, Miss McGovern 2-3-4. 2d Primary Methods, Miss McGovern 1.

TRAINING IN TEACHING.—Primary Criticism, Miss Hatcher 6. Kindergarten Theory (Junior), Miss Ward and Miss Dowdell 1. Kindergarten Theory (Senior), Miss Ward and Miss Dowdell 1. Kindergarten Practis, Miss Ward and Miss Dowdell 2-3-4.

CHEMISTRY.—Household Chemistry, Mr. Page 4.

PHYSICS.—Sound, Mr. Begeman 5.

NATURAL SCIENCE.—Zoology, Mr. Arey 3-5.

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

PHYSICAL EDUCATION.—Gymnastic Pedagogy, Mr. Seymour 4. Anthropometry and Physical Diagnosis, Miss McNally 5. Anatomy I., Mr. Simmons 3. 1st Primary Physical Training, Miss McNally 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 4. Advanced Bench Work, Mr. Brown 3. Woodturning, Mr. Brown 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) 2d Year Training Class. Methods in Domestic Science, Miss Townsend (Friday) 1:30 to 2:25. 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 COURSES

PROFESSIONAL INSTRUCTION IN EDUCATION.—School Management, Mr. Colgrove 5; Mr. Dick 1-2-4. 1st Psychology, Mr. Samson 3. 2d Psychology, Mr. Samson 5. History of Education, Mr. Walters 3-4. Principles of Education, Mr. Dick 3. Methods, Miss Buck 2-3. Didactics, Miss Buck 1-5.

ENGLISH LANGUAGE AND LITERATURE.—Rhetoric, Mr. Lynch 1-3; Mr. Gist 1-5; Miss Carpenter 4; Miss Lambert 5. History of English Literature (1st term), Mr. Gist 4. American Literature, Miss Carpenter 1; Miss Lambert 2. Complete English Grammar, Miss Gregg 2-3-4. Complete English Composition, Miss Parker 1. 1st Half English Grammar, Miss Hearst 1-4. 2d Half English Grammar, Miss Hearst 2. 1st Half English Composition, Miss Parker 5. 2d Half English Composition, Miss Parker 2. Orthography, Miss Oliver 1-2-4.

ELOCUTION AND PUBLIC SPEAKING.—*Elocution*. Elocution, Miss Falkler 2-4. Reading, Miss Falkler 1-3.

LATIN AND GREEK.—*Latin*. Latin Lessons (1st term), Miss Call 2. Cæsar (2d term), Miss Call 5.

GEOMETRY AND SURVEYING.—Beginning Geometry, Mr. Wright 2-3. Middle Geometry, Mr. Wright 4. Solid Geometry, Mr. Wright 5.

MATHEMATICS.—1st Algebra, Miss Seals 3-4. 2d Algebra, Mr. Condit 1-5. 3d Algebra, Miss Seals 2. Two term Algebra, Miss Seals 5. Complete Arithmetic, Mr. Cory 2-4. 1st Half Arithmetic, Miss Lambert 2-3-4. 2d Half Arithmetic, Miss Lambert 5.

PHYSICS.—1st Physics, Mr. Hersey 1-4; Mr. Perrine 2-3. 2d Physics, Mr. Hersey 2; Mr. Perrine 5.

NATURAL SCIENCE.—Elementary Zoology, Mr. Arey 4. General Botany, Mr. Newton 5. Physiology, Mr. Newton 1-2. Physiography, Mr. Cable 1-4. Complete Geography, Mr. Cable 5. 1st Half Geography, Miss Aitchison 2-4. 2d Half Geography, Miss Aitchison 3.

HISTORY AND POLITICS.—(1) *History*. General History (1st term), Miss Rice 2. Complete U. S. History, Miss Riggs 2-5. 1st Half U. S. History, Miss Rice 5. 2d Half U. S. History, Miss Rice 4. (2) *Economics*—Economics, Mr. Parish 5. Elementary Economics, Mr. Parish 3. (3) *Government*—Elementary Civics, Mr. Meyerholz 3-5.

ART.—1st Drawing, Miss Patt 4. 2d Drawing, Miss Patt 1.

COMMERCIAL EDUCATION.—1st Penmanship, Mr. Cummins 1-2. Advanced Penmanship, Mr. Cummins 4. 1st Book-keeping, Mr. Cummins 3.

VOCAL MUSIC.—1st Vocal Music, Mr. Fullerton 2; Miss Neff 1; Mr. Hayes 3; Miss Stenwall and Miss Neff 5. 2d Vocal Music, Miss Stenwall 1; Miss Neff 4; Mr. Hayes 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. 2d Psychology, Mr. Samson 3-4. III. School Management, Mr. Colgrove 3; Mr. Dick 2-4. IV. History of Education, Mr. Walters 4. V. Philosophy of Education, Mr. Walters 2. VI. American Education, Mr. Seerley 1.

TRAINING IN TEACHING.—Observation in Training School, Mr. Bender 4.

ENGLISH LANGUAGE AND LITERATURE.—I. Rhetoric, Mr. Lynch 1-5; Mr. Gist 1-4; Miss Carpenter 5; Miss Lambert 2. II. History of English Literature (1st term), Miss Lambert 5. V. English Romantic Movement, Miss Carpenter 3. VII. Anglo Saxon and History of English Language, Mr. Gist 2. X. The Essay in English Literature, Mr. Lynch 3.

ELOCUTION AND PUBLIC SPEAKING.—(1) *Elocution*. II. Elocution II., Miss Martin 3. III. Applied Drama, Miss Martin 4. V. Repertoire, Miss Martin 2. (2) *Public Speaking*—II. Oratorical Declamation, Mr. Tompkins 2. IV. Public Address, Mr. Tompkins 3.

LATIN AND GREEK.—(1) *Latin*. II. Livy, Mr. Merchant 2. VIII. Horace—Satires, Mr. Merchant 1. XIV. Teachers' Latin, Mr. Merchant 3. XVII. Elementary Latin, Mr. Merchant 5. XX. Vergil (2d term), Miss Call 3. (2) *Greek*—II. Lessons, Miss Call 4.

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

MATHEMATICS.—I. Higher Algebra I., Mr. Condit 2. III. Trigonometry, Mr. Condit 3. VI. Differential Calculus, Mr. Condit 4.

CHEMISTRY.—Inorganic, Mr. Page 2. II. Inorganic, Mr. Page 1. III., IV. Qualitativ Analysis, Mr. Getchell 3. V., VI. Quantitativ Analysis, Mr. Getchell 4. VII. Water Analysis, Mr. Page 5. VIII. Assaying, Mr. Page 5.

PHYSICS.—I. Mechanics of Solids and Fluids, Mr. Begeman 3. II. Sound and Light, Mr. Begeman 1. III. Heat, Electricity and Magnetism, Mr. Begeman 5.

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. XII. Influences of Geography upon American History, Mr. Cable 4.

HISTORY AND POLITICS.—(1) *History*. IV. Roman, Miss Rice 2. V. 18th Century, Miss Riggs 1. VIII. Medieval, Miss Riggs 3. (2) *Economics*—III. English Industrial History, Mr. Parish 1. VI. Money and Banking, Mr. Parish 3. (3) *Government*—III. American Constitutional History II., Mr. Meyerholz 5. IV. English Government, Mr. Meyerholz 3. VI. Elements of International Law, Mr. Meyerholz 4.

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

THE MANUAL ARTS.—II. Manual Training Methods II, Mr. Bailey 2.

JUNIOR COLLEGE COURSES

PROFESSIONAL INSTRUCTION IN EDUCATION.—1st Psychology, Mr. Colgrove 4. 2d Psychology, Mr. Colgrove 1-2. History of Education, Mr. Walters 1-3. 1st Primary Methods, Miss McGovern 5. 2d Primary Methods, Miss McGovern 2-3-4.

TRAINING IN TEACHING.—Primary Criticism, Miss Hatcher 6. Kindergarten Theory for Supervisors, Miss Ward 1. Kindergarten Theory (Junior), Miss Ward and Miss Dowdell 5. Kindergarten Theory (Senior) Miss Ward 5. Kindergarten Practis, Miss Ward and Miss Dowdell 2-3-4.

CHEMISTRY.—Household Chemistry, Mr. Page 4.

NATURAL SCIENCE.—Structural Botany, Mr. Arey 2.

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

VOCAL MUSIC.—1st Vocal Music, Mr. Fullerton 3; Miss Neff 5; Mr. Hayes 2; Miss Stenwall and Miss Neff 1. 2d Vocal Music, Miss Stenwall 3; Mr. Hayes 1. 3d Music, Mr. Fullerton and Mr. Hayes 5. 4th Music, (a) History (Tuesday, Friday), Miss Childs; (b) Sight-singing (Monday, Wednesday, Thursday), Miss Stenwall 4. 5th Music, (a) Ear Training and Conducting (Tuesday, Wednesday, Friday), Mr. Fullerton; (b) Harmony (Monday, Thursday), Mr. Merrill 2. 8th Music, (a) Appreciation (Tuesday, Friday), Mr. Fullerton; (b) Child Voice (Wednesday), Miss Stenwall; (c) Harmony (Monday, Thursday), Mr. Merrill 4. Practis Teaching for Music Students, Miss Stenwall 2; Miss Neff 3.

PHYSICAL EDUCATION.—Theory of Gymnastics and Athletics, Mr. Seymour 5. Anatomy II., Mr. Simmons 3. 2d Primary Physical Training, Miss McNally 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. McMahon 1-3-5. 2d 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. (2) Second 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. Dick 1. 2d Psychology, Mr. Samson 5. School Management, Mr. Colgrove 3; Mr. Dick 2-4. History of Education, Mr. Walters 1-3. Principles of Education, Mr. Dick 3. Methods, Miss Buck 3-5. Didactics, Miss Buck 1-2.

ENGLISH LANGUAGE AND LITERATURE.—Rhetoric, Mr. Lynch 1-5; Mr. Gist 1-4; Miss Carpenter 5; Miss Lambert 2. History of English Literature (1st term), Miss Lambert 5. American Literature, Miss Carpenter 1; Miss Lambert 4. Complete English Grammar, Miss Gregg 2-3-4-5. Complete English Composition, Miss Parker 1. 1st Half English Grammar, Miss Hearst 2-5. 2d Half English Grammar, Miss Hearst 3-4. 1st Half English Composition, Miss Parker 2. 2d Half English Composition, Miss Parker 5. Orthography, Miss Oliver 1-2-3.

ELOCUTION AND PUBLIC SPEAKING.—*Elocution.* Elocution, Miss Falkler 2-3-4. Reading, Miss Falkler 1.

LATIN AND GREEK.—*Latin.* 2d Latin Lessons, Miss Call 1. 1st Cicero, Miss Call 2.

GEOMETRY AND SURVEYING.—Beginning Geometry, Mr. Wright 1. Middle Geometry, Mr. Wright 2-3. Solid Geometry, Mr. Wright 5.

MATHEMATICS—1st Algebra, Miss Seals 2-4. 2d Algebra, Miss Seals 3. 3d Algebra, Miss Seals 5. Two Term Algebra, Mr. Condit 1. Complete Arithmetic, Miss Lambert 3-4. 1st Half Arithmetic, Mr. Cory 1-2-4. 2d Half Arithmetic, Miss Lambert 2-5.

PHYSICS.—1st Physics, Mr. Hersey 1-4; Mr. Perrine 2. 2d Physics, Mr. Perrine 3-5. 3d Physics, Mr. Hersey 2.

NATURAL SCIENCE.—Elementary Geology, Mr. Arey 1. Structural Botany, Mr. Arey 2. 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. 2d Half Geography, Miss Aitchison 3.

HISTORY AND POLITICS.—(1) *History.* General History (1st term), Miss Rice 3. General History (2d term), Miss Riggs 2. Complete U. S. History, Miss Riggs 4. First Half U. S. History, Miss Rice 1. Second Half U. S. History, Miss Rice 4. (2) *Economics.* Economics, Mr. Parish 4. Elementary Economics, Mr. Parish 2. (3) *Government*—Elementary Civics, Mr. Meyerholz 2.

ART.—1st Drawing, Miss Patt 3. 2d Drawing, Miss Thornton 3-5; Miss Patt 4.

COMMERCIAL EDUCATION.—1st Penmanship, Mr. Cummins 2-3. Advanced Penmanship, Mr. Cummins 5. First Bookkeeping, Mr. Cummins 1. Second Bookkeeping, Mr. Cummins 4.

VOCAL MUSIC.—1st Vocal Music, Mr. Fullerton 3; Miss Neff 5; Mr. Hayes 2; Miss Stenwall and Miss Neff 1. Second Vocal Music, Miss Stenwall 3; Mr. Hayes 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 5. II. 2d Psychology, Mr. Samson 1. III. School Management, Mr. Colgrove 2-5; Mr. Dick 4. IV. History of Education, Mr. Walters 2-3. VII. Experimental Psychology, Mr. Colgrove 4. VIII. Supervision, Mr. Dick 2.

TRAINING IN TEACHING.—Observation in Training School, Mr. Bender 4.

ENGLISH LANGUAGE AND LITERATURE.—I. Rhetoric, Mr. Lynch 1-5; Mr. Gist 1-4; Miss Carpenter 5. II. History of English Literature (2d term), Miss Lambert 1. VI. Development of the English Drama, Miss Lambert 4. VIII. Early English, Mr. Gist 2. IX. Elements of Literary Criticism, Miss Carpenter 3. XIII. Special course for High School Teachers, Mr. Lynch 3.

ELOCUTION AND PUBLIC SPEAKING.—(1) *Elocution*. II. Elocution II., Miss Martin 2. VII. Principles of Expression, Miss Martin 3. (2) *Public Speaking*—V. Oratory, Mr. Tompkins 3. (Forensic Declamation or Oratorical Declamation will be offered if there is sufficient demand, Mr. Tompkins 2.)

LATIN AND GREEK.—(1) *Latin*. III. Horace—Odes and Epodes, Mr. Merchant 3. IX. Horace—Epistles, Mr. Merchant 5. XV. Teachers' Latin, Mr. Merchant 2. XVIII. Elementary Latin, Mr. Merchant 3. XXI. 3d Vergil, Miss Call 4. (2) *Greek*—III. Anabasis, Miss Call 1.

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

GEOMETRY AND SURVEYING.—I. Solid Geometry, Mr. Wright 4. II. Surveying, Mr. Wright 3.

MATHEMATICS.—II. Higher Algebra II., Mr. Condit 1. IV. History and Teaching of Mathematics, Mr. Condit 5. VII. Integral Calculus, Mr. Condit 4.

CHEMISTRY.—I. Inorganic, Mr. Page 1. II. Inorganic, Mr. Page 2. III. Qualitative Analysis, Mr. Getchell 1. IV. Qualitative Analysis, Mr. Getchell 3. V., VI., Quantitative Analysis, Mr. Getchell 5. VII., Water Analysis, Mr. Page 5. IX. Food Analysis, Mr. Page 5.

PHYSICS.—I. Mechanics of Solids and Fluids, Mr. Begeman 4. II. Sound and Light, Mr. Begeman 2. III. Heat, Electricity and Magnetism, Mr. Begeman 1.

NATURAL SCIENCE.—II. Botany I., Mr. Newton 3. V. Zoology II., Mr. Arey 5. VIII. Geology II., Mr. Arey 3. X. Astronomy, Mr. Cable 1. XI. Commercial Geography of North America, Miss Aitchison 1. XII. Commercial Geography of Europe, Miss Aitchison 2.

HISTORY AND POLITICS.—(1) *History*. II. English, Miss Rice 2. VI. 19th Century, Miss Riggs 1. VIII. Method, Miss Riggs 3. IX. Modern, Miss Riggs 2. (2) *Economics*—II. Economic Problems, Mr. Parish 2. VII. Labor and

Labor Unions, Mr. Parish 3. (3) *Government*—I. American Government, Mr. Meyerholz 5. V. *Comparativ Politics*, Mr. Meyerholz 3.

ART.—II. *History of Painting*, Miss Thornton 1.

THE MANUAL ARTS.—III. *Economics and Organization of Manual Training*, Mr. Bailey 4.

JUNIOR COLLEGE COURSES

PROFESSIONAL INSTRUCTION IN EDUCATION.—2d *Psychology*, Mr. Colgrove 1. *History of Education*, Mr. Walters 1. 1st *Primary Methods*, Miss McGovern 4. 2d *Primary Methods*, Miss McGovern 3. 3d *Primary Methods*, Miss McGovern 1-2.

TRAINING IN TEACHING.—*Observation in Training School (Primary)*, Miss Hatcher 2. *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 and Miss Dowdell 1. *Kindergarten Theory (Supervisors)*, Miss Ward 4. *Kindergarten Practis*, Miss Ward and Miss Dowdell 2-3-4.

CHEMISTRY.—*Food Analysis*, Mr. Page 4.

NATURAL SCIENCE.—*Nature Study*, Mr. Arey 2. *Structural Botany*, Mr. Arey 4.

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. 3d *Primary Drawing*, Miss Thornton 3.

VOCAL MUSIC.—1st *Vocal Music*, Mr. Fullerton 3; Miss Neff 1. 2d *Vocal Music*, Miss Stenwall 3; Miss Neff 4; Mr. Hayes 1. 3d *Music*, Mr. Fullerton and Miss Neff 2. 4th *Music*, (a) *History (Monday, Thursday)*, Miss Childs; (b) *Sightsinging (Tuesday, Wednesday, Friday)*, Miss Stenwall 4. 5th *Music*, (a) *Ear Training and Conducting (Tuesday,*

Wednesday, Friday), Mr. Fullerton; (b) Harmony (Monday, Thursday), Mr. Merrill 5. 6th Music, (a) Methods (Tuesday, Wednesday), Mr. Fullerton and Miss Stenwall; (b) History (Friday), Miss Childs; (c) Harmony (Monday, Thursday), Mr. Merrill 4. 9th Music, (a) Supervision (Tuesday, Thursday), Mr. Fullerton and Miss Stenwall; (b) Theory (Monday), Mr. Fullerton; (c) Harmony (Wednesday, Friday), Mr. Merrill 4. Practis Teaching for Music Students, Miss Stenwall 2; Miss Neff 3.

PHYSICAL EDUCATION.—Medical Gymnastics and Massage, Miss Bruce 2. Physiology of Exercise, Mr. Seymour 3. History of Physical Training, Mr. Seymour 5. Advanced Hygiene, Mr. Simmons 4. 3d Primary Physical Training, Miss McNally 3-5.

THE MANUAL ARTS.—Economics and Organization of Manual Training, Mr. Bailey 4. 1st Bench Work, Mr. Bailey 2. Advanced Bench Work, Mr. Brown 5. 1st Mechanical Drawing, Mr. Brown 3. Advanced Mechanical Drawing, Mr. Bailey 5. Sheet Metal Work, Mr. Bailey 3. Woodturning, Mr. Brown 2. Primary Handwork, Mrs. McMahan 3-5. 3d Sewing, Mrs. McMahan 2. Elementary Handwork, Mr. Brown 1.

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) 10:20 to 11:15. Methods in Domestic Science, Miss Townsend (Wednesday) 10:20 to 11:15. (2) 2d 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 2. 2d Psychology, Mr. Samson 3; Mr. Dick 1. School Management, Mr. Colgrove 2-5; Mr. Dick 4. History of Education, Mr. Walters 1. Principles of Education, Mr. Dick 3. Methods, Miss Buck 3-5. Didactics, Miss Buck 2-4.

ENGLISH LANGUAGE AND LITERATURE.—Rhetoric, Mr. Lynch 1-5; Mr. Gist 1-4; Miss Carpenter 5. History of English Literature (2d term), Miss Lambert 1. American Literature, Miss Carpenter 1; Miss Lambert 2. Complete English Grammar, Miss Gregg 2-3-4. Teachers' English Grammar, Miss Gregg 5. Complete English Composition, Miss Parker 3. 1st Half English Grammar, Miss Hearst 2-4. 2d Half English Grammar, Miss Hearst 3. 1st Half English Composition, Miss Parker 2. 2d Half English Composition, Miss Parker 4. Orthography, Miss Oliver 1-2-3.

ELOCUTION AND PUBLIC SPEAKING.—*Elocution*. Elocution, Miss Falkler 1-3-4. Reading, Miss Falkler 2.

LATIN AND GREEK.—*Latin*. 1st Cæsar, Miss Call 3. 2d Cicero, Miss Call 2.

GEOMETRY AND SURVEYING.—Beginning Geometry, Miss Seals 2. Middle Geometry, Miss Lambert 5. Solid Geometry, Mr. Wright 2-5.

MATHEMATICS.—1st Algebra, Miss Seals 4. 2d Algebra, Mr. Condit 3. 3d Algebra, Miss Seals 5. Two Term Algebra, Miss Seals 3. Complete Arithmetic, Mr. Cory 1; Miss Lambert 2. 1st Half Arithmetic, Miss Lambert 3-4. 2d Half Arithmetic, Mr. Cory 3-4. Teachers' Arithmetic, Mr. Cory 5.

PHYSICS.—1st Physics, Mr. Hersey 2-3. 2d Physics, Mr. Perrine 1-3. 3d Physics, Mr. Hersey 5.

NATURAL SCIENCE.—General Botany, Mr. Newton 2-4. Physiology, Mr. Newton 1. Physiography, Mr. Cable 2-5. Complete Geography, Mr. Cable 3. 1st Half Geography, Miss Aitchison 4. 2d Half Geography, Miss Aitchison 3.

HISTORY AND POLITICS.—(1) *History*. General History (1st term), Miss Rice 4. Complete U. S. History, Miss Riggs 4. 1st Half U. S. History, Miss Rice 3. 2d Half U. S. History, Miss Rice 1. (2) *Economics*—Economics, Mr. Parish 1. Elementary Economics, Mr. Parish 4. (c) *Government*—Elementary Civics, Mr. Meyerholz 1-2.

ART.—1st Drawing, Miss Patt 2. 2d Drawing, Miss Thornton 2; Miss Patt 1-4.

COMMERCIAL EDUCATION.—1st Penmanship, Mr. Cummins 2-5. Advanced Penmanship, Mr. Cummins 5. 1st Bookkeeping, Mr. Cummins 3. 2d Bookkeeping, Mr. Cummins 2. 3d Bookkeeping, Mr. Cummins 1.

VOCAL MUSIC.—1st Vocal Music, Mr. Fullerton 3; Miss Neff 1. 2d Vocal Music, Miss Stenwall 3; Miss Neff 4; Mr. Hayes 1.

HOME ECONOMICS.—*Domestic Science*. 1st Cookery, Miss Townsend (Tuesday, Thursday), 1:00 to 3:15.