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SUMMER TERM

OF THE

Western State Normal School

KALAMAZOO, MICH.

Monday, June 30 to Friday, August 8
1913
FACULTY OF THE SUMMER SCHOOL

D. B. WALDO, A. M., President

*EDITH BARNUM,
  First and Second Grades, Training School.

*DORA I. BUCKINGHAM.
  Assistant, Kindergarten.

ERNEST BURNHAM, Ph. D.,
  Director of Rural School Department.

C. H. CARRICK, A. B., Superintendent of Schools, Charlotte,
  Geography.

W. E. CONKLING, Superintendent of Schools, Hastings, Mich.,
  Civics.

MARY ENSFIELD, A. B.,
  Rural School Department.

*JOHN B. FAUGHT, Ph. D.,
  Mathematics.

ELVA FORNCROOK, A. B.,
  Expression.

JOHN E. FOX, A. B.,
  Physics.

HELEN FROST,
  Physical Training.

*LUCY GAGE,
  Director of Kindergarten.

EMELIA M. GOLDSWORTHY,
  Public School Art.

BESSION B. GOODRICH,
  Rural School Department.

CYNTHIA A. GREEN, Commissioner of Schools, Eaton County,
  Rural School Management.

HILDRED HANSON,
  Public School Music.

LUCIA HARRISON, A. B.,
  History.

L. H. HARVEY, Ph. D.,
  Biology.

T. PAUL Hickey, A. B.,
  History.

J. C. HOCKENBERRY, Ph. D.,
  Education.
*BEULAH HOOTMAN,
Public School Music.

FRED S. HUFF, Kalamazoo Public Schools,
Manual Training.

V. R. HUNGERFORD, A. M., Commissioner of Schools, Van Buren County,
History.

GEORGE JILLSON, A. B.,
Mathematics.

ELIZABETH JOHNSON,
Fourth Grade, Training School.

J. HOWARD JOHNSON, A. B.,
Chemistry.

*ADELE M. JONES, B. S.,
Domestic Art.

B. L. JONES, A. B.,
English Language and Literature.

*MATIE LEE JONES,
Physical Training.

ELEANOR JUDSON,
Public School Art.

CATHERINE KOCH, B. S.,
Nature Study and Agriculture.

ALICE L. MARSH, B. S.,
English.

HARPER C. MAYBEE,
Public School Music.

*WILLIAM McCracken, Ph. D.,
Chemistry.

NELLIE M'CONNELL,
Second Grade, Training School.

MARY A. MOORE,
Domestic Science.

KATHERINE MULRY,
Sixth Grade, Training School.

C. L. NASH, B. S., Teacher of Agriculture, Union City Schools,
Agriculture.

S. B. NORCROSS,
Penmanship.

G. N. OTWELL, Commissioner of Schools, Berrien County,
Arithmetic.
MAUDE PARSONS, A. B.,
Latin.

FLORENCE PRAY, B. S.,
Domestic Science.

ROBERT M. REINHOLD, B. Pd.,
Education and Normal Extension.

F. E. ROBINSON, Superintendent of Schools, Bronson,
Rural School Department.

*G. EDITH SEEKELL,
Eighth Grade, Training School.

M. J. SHERWOOD,
Manual Training.

W. H. SPAULDING, A. B.,
Director of Athletics.

LAVINA SPINDLER,
Director of Training School.

GEORGE SPRAU, A. M.,
English Language and Literature.

PAUL C. STETSON, A. B., Grand Rapids High School,
Education.

*GRACE THOMASMA,
Fifth Grade, Training School.

EMELIE TOWNSEND, B. S.,
Education.

CHARLOTTE A. WAITE, B. S., Kalamazoo Public Schools,
Domestic Art.

GEORGE S. WAITE,
Manual Training.

*CAROLINE WAKEMAN, Ph. B.,
History.

L. H. WOOD, A. M.,
Geography.

ELISABETH ZIMMERMAN, A. B.,
German.

ESTHER BRALEY, A. B.,
Librarian.

*ANNA L. FRENCH,
Assistant Librarian.

KATHERINE NEWTON,
Secretary.

KATHERINE SHEAN,
Assistant Secretary.

MARIE C. COLE, Clerk, Training School.

*Absent on leave.
Summer Term of the Western State Normal School

The tenth annual summer term of the Western State Normal School will open June 30 and continue six weeks, closing August 8. Students will be enrolled and classified on Monday, June 30, and classes in all departments will begin recitations on Tuesday, July 1. Nearly all of the regular instructors of the Normal School will remain in residence during the Summer Term, and will be assisted by a number of outside teachers, selected for their efficiency in special lines of work.

LOCATION

The Western State Normal School is located at Kalamazoo, the County Seat of Kalamazoo County, in the heart of southwestern Michigan. In beauty, in accessibility, in general educational advantages, this thriving city of forty thousand inhabitants affords an ideal location for the school.

Kalamazoo is at the intersection of the great lines of travel in Western Michigan. It is the half-way point between Detroit and Chicago on the main line of the Michigan Central Railway, which is here crossed by the Grand Rapids & Indiana, the Lake Shore & Michigan Southern, and the Chicago, Kalamazoo & Saginaw railroads, all running north and south. It is the eastern terminus of the South Haven branch of the Michigan Central which gives excellent connections with Chicago by boat. It is also the eastern terminus of the Kalamazoo, Lake Shore & Chicago Railroad. The Chicago and Grand Trunk Railway now has direct connection with the main line of that road by way of Pavilion. The electric lines of the Michigan United Traction Company give trolley connections with the eastern part of the State via Battle Creek and Jackson. On the various steam railways more than fifty trains arrive and depart daily, giving excellent connections with the surrounding territory.

The advantages of Kalamazoo as a place of residence are
unquestioned. The city is beautiful in situation, and is well kept. The climate is healthful, the water supply excellent, and the sanitary conditions are unusually good. Situated in the center of a fine farming country, it is itself widely known for its diversified industries.

PURPOSE OF THE SCHOOL

The object of the school as constituted by law is to prepare teachers for public school service. The work of the school is organized and conducted essentially to this end. It is recognized that scholarship, knowledge of child nature, and a proper attitude toward the work of teaching are the three essential factors in all professional preparation for teachers. The course of study in the Western State Normal School has been planned with the purpose of providing for these ends by giving as thorough knowledge of the subject-matter as possible in the time devoted to the work by emphasizing the principles underlying the educational process, and by keeping before the mind of the student the realization that the highest aim of education is character. All facilities possible will be offered for the furtherance of these purposes and for bringing the student into contact with the best in modern thought and life. The spirit of hearty cooperation between faculty and students in enterprises and interests of the school will be fostered at all times.

The responsibility for the proper attitude of students toward the school and community is necessarily for the most part thrown upon the students themselves. While it is the purpose of the school to incite the student continually to higher and better ideals of character and public service, it is impracticable for a Normal School to attempt the task of reforming young men and young women. No personal effort will be spared in assisting students in every possible way. But those who are manifestly lacking in the essentials of good character, or in ability to become efficient instructors of children, will be requested, whenever the evidence of their unfitness is complete, to withdraw from the school.

During the Summer Term special attention will be given to those who are already teaching. Courses of study, plans of work, methods of instruction, will be shaped to the needs of teachers now engaged in the profession.
BUILDINGS

The classes of the regular certificate courses will meet as heretofore in the Normal Building. This structure contains, in addition to the administration offices, fourteen class-rooms, an assembly room, and laboratory facilities for work in biological and physical sciences. The site occupied by the building is already well known for the panoramic view afforded of Kalamazoo city and the Kalamazoo River valley.

Review classes will meet in the training building. The training building is a splendid structure with two stories and a basement, 118 feet long and 100 feet wide. This structure is regarded as one of the best planned of its kind in the entire country. In completeness and convenience the building is a model.

The gymnasium is the largest of its kind to be found among the normal schools and colleges of the Northwest Territory. The main room is 119 feet long and 68 feet wide, the floor being entirely clear of posts or obstructions of any kind. The running track, 12 feet above the main floor, is suspended from the structural steel supporting the roof. The track is 9½ feet in width, and has sloping sides and ends as well as raised corners. In the basement are shower baths for both men and women, and a swimming pool 52 feet long. All classes in public school gymnastics will meet in the gymnasium.

EQUIPMENT

The library now numbers over 9,500 volumes, and consists entirely of good working material. It has been selected from the latest as well as the standard authors in the various departments. The stacks are open to all students during the summer term. Students of the Western Normal are also permitted to use the Kalamazoo city library which now numbers 44,000 volumes.

The departments of physics and chemistry are well supplied with apparatus and there are facilities for effective work in biology. The department of geography is splendidly equipped with all needed apparatus. The departments of manual training, domestic art and domestic science are well supplied with the equipment needed for first-class work.
(1) Tennis Courts
(2) Rear Entrance to Normal
THE RAILROAD

Students having recitations at the Normal building will be afforded free transportation on the two-track railway belonging to the Normal School. Two cars will be in operation daily during the entire summer, thus removing all objections on the part of those who find hill climbing irksome.

FEES AND LIVING EXPENSES

Students in all courses who are residents of Michigan will pay a fee of $3 for the term. Students who reside in other states or foreign countries will pay a fee of $5 for the term. This small tuition fee admits to all classes. No charge is made for the special lecture courses offered during the summer term. All students pay an athletic fee of fifty cents.

Board in clubs costs about $3 per week, and rooms conveniently located and suitably furnished may be obtained at a cost ranging in price from 75 cents to $1.00 per week for each student. The total expense for the summer term should not exceed $35 to $40.

THE NORMAL CO-OPERATIVE STORE

The Normal co-operative store which has been in operation during the past year will be open during the summer term, affording opportunity for students to purchase books and other necessary supplies on the campus.

CREDIT

Credits applying on the certificate courses may be earned in any of the subjects regularly required. Twenty-four weeks (one-half of a full term's credit) is usually the maximum credit for any student during the summer term. Classes reciting daily ordinarily earn six weeks' credit, while those reciting twice each day earn twelve weeks' credit. Review classes are not credited on the certificate courses except in the Rural School department.

DEMAND FOR TEACHERS

There is an increasing demand for trained teachers throughout the state and in the country at large. The trend of salaries is upward, and teaching is nearer a profession than ever before. Graduates of the Western Normal are in great demand,
and much care is exercised in placing students of the school where the likelihood of success and the opportunity to serve are greatest.

The city of Kalamazoo affords many opportunities for remunerative employment both for young men and young women. Students desiring work with a view to lessening the expense of attending school are assisted in securing employment of various kinds.

**ATHLETICS AND SOCIAL FEATURES**

Due attention will be given to various forms of athletics during the summer term. Baseball and tennis will be prominent features of outdoor athletics. Five tennis courts will be at the disposal of students, and attention will also be given to other outdoor games and sports that may be used in public schools.

As in former years, a social committee, selected from the faculty, will provide special features of entertainment with a view to securing a variety of interests and affording opportunities for extending acquaintanceship among the students.

Social gatherings similar to those of last summer, which will be so pleasantly remembered by all students who were in attendance, will be included in the general program which has been planned for the enjoyment of members of the summer school.

**GENERAL STUDENT PARTIES**

Wednesday evening, July 9, 8 P.M., School Party.
Wednesday evening, July 16, 8 P.M., School Party.
Wednesday evening, July 30, 8 P.M., School Party.

**COURSES OFFERED**

The work offered in the summer term is as follows:
1. Regular Certificate Courses.
2. Review Courses.
3. Extension Course.
4. Lectures.
REGULAR CERTIFICATE COURSES

A large number of classes will be formed in the branches included in the regular certificate courses. Several of these classes in the Life Certificate and Graded Certificate groups will meet twice daily, thus enabling a student to cover the work of two twelve-weeks studies during the summer term. Classes will be formed in a wide variety of subjects in the departments of Psychology and Education, English Language and Literature, Expression, Geography, Science, Mathematics, History and Civics, German and Latin, Drawing, Music, Manual Training, Domestic Economy, Kindergarten Theory, Library Methods, and Physical Training.

REVIEW COURSES

Review classes will be formed in all of the common school branches. These classes will be of special benefit to students and teachers who are preparing for the county examinations to be held in August. Opportunity will be offered for reviewing subjects included in the first, second, and third grade examinations. There will be no summer schools or institutes this year in the counties near Kalamazoo, and all teachers are urged to take advantage of the unusual privileges offered at the Western State Normal. Credits earned during the six weeks' term are recorded, and in some subjects apply on certificate courses. There will be thorough reviews, and in addition courses will be so arranged in many subjects that students attending two or more summer terms may pursue work in a given study without duplicating subject-matter.

The subjects in which review courses will be offered are Physiology, United States History, Civil Government, Grammar, Arithmetic, Geography, Reading, Orthography, Theory and Art of Teaching, School Law, Course of Study, Algebra, Botany, General History, Physics, and Geometry.

EXTENSION COURSE

In 1905 the State Board authorized the granting of an extension life certificate to mature students who (1) are high school graduates, (2) have taught six years, and (3) under the direction of the Western State Normal School faculty have completed work as follows: (a) three summer terms in residence, (b) two years of non-resident work. This non-resident work is either (1) class work at some center within range of
the school so that an instructor can meet the students once a week, usually on Saturdays, or (2) carefully organized courses taken by correspondence.

The Western State Normal School, from its foundation, has permitted properly qualified students to avail themselves of this opportunity. During the past six years seventy-nine students have completed this course.

The object of this arrangement has been to meet the needs of those who are otherwise deprived of opportunities for growth and advancement. The danger that in some cases has been anticipated that students by taking this course would be led aside from undertaking resident study, has not proved real; in fact, one of the important results has been the number of students who, after undertaking the extension course, have come to see that it was more possible than they had thought to enter upon and complete the life certificate course in residence.

A higher grade of work is necessary to satisfy the requirements than the average of class residence accomplishment. It is the student whose experience has trained him to effective methods of organization who can profit most by studying under the direction of an absent instructor.

A special announcement of this department has been printed, which will be furnished on application to the Secretary.

LECTURES

As heretofore, the Normal will offer unusual privileges this summer in the way of lecture courses by distinguished educators. A prominent lecturer will be at the school during each week of the term, and the discussions will be along the lines that are of interest to progressive teachers.

It has been decided to limit the number of lecture days each week, so as to leave three or four afternoons open to field work, recreation, and athletics. Hours have been carefully arranged for the lecture courses to avoid conflict with classes and other important features of the summer school.

Dr. S. D. Fess, president of Antioch College, will deliver an address on a topic in American History. Dr. Fess is one of the ablest and most inspiring lecturers on the American platform. He has recently been elected a member of Congress from Ohio, and his entry upon public duties will give added interest to his address before the students of the summer term.
Tuesday, July 8, Dr. Lotus Coffman, of the University of Illinois, will speak on "Current Criticisms of the Public Schools." Dr. Coffman has had a varied experience in public school administration, and for some time was director of the training school of the Charleston (Ill.) Normal School. He is at present in charge of the work in Public School Administration in the University of Illinois, and is a speaker of rare force and directness.

Thursday, July 17, Mr. Charles Seymour, who lectured at the Western Normal during the summer terms of 1907 and 1912, will deliver two addresses. Mr. Seymour has met with unusual success in presenting historical subjects before university and college audiences and to teachers' associations and institutes. Mr. Seymour's lectures represent first-hand study under advantageous conditions, as he has carried on research studies in libraries of Europe as well as of the United States. He has personally visited the places where the events pictured by him occurred and where his characters lived. His topics will be Sir Walter Raleigh and Francesco Pizarro.

Redpath Chautauqua, July 22 to 28. The Redpath Chautauqua will be in session on the Normal campus for seven days. Programs will be given morning, afternoon, and evening. Students will be interested especially in the afternoon and evening programs. Prominent lecturers and musical organizations will appear. A special admission rate of one dollar will be offered to students of the Normal School. This will admit to the entire program for the week.

Wednesday, July 30, Dr. Charles H. Judd, of the University of Chicago, will lecture on "Changes in the Course of Study Which Should Be Made to Meet the General Demand for Industrial Education." Dr. Judd is most pleasantly remembered by former students who were at the Western State Normal during the summer sessions of 1909, 1910, and 1912. He is one of the ablest students of education in the United States, and in clear, forceful, and inspiring discussion of educational problems holds high rank.

Concert, Tuesday, August 5. A concert of high grade will be given during the summer term. Mr. Harper C. Maybee and Miss Hildred Hanson of the Normal will have general direction of the same, and it is planned to give a program of unusual excellence.
Courses bearing numbers from 1 to 99 are offered in the Review, High School, and Rural Departments; those from 101 to 199 receive credit in the Graded School and Life Certificate Courses.

Courses in the High School and Rural School Departments which are the same as the courses in the Graded School and Life Certificate work, are given the numbers of the latter.

ART

GRADED AND LIFE CERTIFICATE COURSES

101. Drawing from Nature. This course aims to enlarge the appreciation and knowledge of the world of nature by expressing various phases of the landscape, also by the study and expression of flowers, grasses, fruits, and other nature subjects, including figure and animal studies in various mediums, pencil, crayon, and water-color. The nature motifs studied form the basis for problems in design which are applied to practical school problems. 12 weeks' credit.

MISS GOLDSWORTHY.

102. Perspective. This course aims to enlarge the appreciation and understanding of the common forms around us, and to develop knowledge and skill in rendering the appearance of forms included under the study of cylindrical and rectangular perspective. 12 weeks' credit.

MISS GOLDSWORTHY.

103. Construction. This course takes up the subject of hand work in the grades, and includes the working out of simple problems in weaving, basketry, clay modeling, stenciling, and bookbinding. This course may be taken without previous courses in Art. 6 weeks' credit.

105. Advanced Art. Pictorial and Decorative Composition. This course will continue work commenced in Art 101, and includes more advanced work from nature, along the lines of pictorial and decorative composition. Outdoor sketching will be a feature of the work. 12 weeks' credit.

MISS GOLDSWORTHY.
SUMMER BULLETIN

BIOSLOGY

REVIEW, RURAL AND HIGH SCHOOL COURSES

10. Physiology. An elementary review course for teachers preparing for the fall examinations. While the functions of the various systems of the body will be especially emphasized, yet enough anatomy will be given to furnish an understanding of the various organs. Peabody's Physiology will form the basis of the course. Bring all available text-books.

DR. HARVEY.

11. Botany. A review course designed to prepare teachers for the county examination. Bergen's Elements of Botany will form the basis of this course. Bring all text-books available. Four periods a week.

DR. HARVEY.

12. Agriculture. Text-book, field trips, garden and laboratory. Based on best available text-books for elementary and high school courses. Students should bring whatever agriculture text-books they have. Several sections will be formed to accommodate those who are beginning as well as those who have made some progress in the subject. 6 weeks' credit in Rural School courses.

MISS KOCH. MR. NASH.

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

III. Nature Study. The place of Nature Study in the curricula of the elementary and rural school is definitely assured. Most teachers feel a lack of preparation not only in regard to subject-matter, but in methods of presentation. The purpose of this course is to present the ideals and methods of nature study, to acquaint the student with available materials and give him a grasp of the literature of the subject. School gardens receive attention. Seasonal phenomena of plant and animal life are treated. Field and laboratory work are devoted to identification and ecology of our common plant and animal forms—especial stress being placed upon tree, bird, flower, and insect study. Kalamazoo offers in its diverse habitats many localities of unusual interest, making an ideal center for Nature Study work. Students should bring clothing suitable for tramping, collecting cases, hand lenses, etc. Four afternoons of each week will be devoted to the work. Substitutes for Biology 107 in meeting requirements. 12 weeks' credit.

DR. HARVEY. MISS KOCH.
CHEMISTRY

REVIEW AND LIFE CERTIFICATE COURSES

1. 2. General Inorganic Chemistry. This course will be devoted to a study of either the metals or the non-metals according to the needs of those taking the course. Laboratory work is required. Twice daily, 12 weeks' credit.

MR. JOHNSON.

4. Review Chemistry. This course will include a rapid review of the whole field of inorganic chemistry. Especial stress will be laid upon the mathematical, theoretical, and commercial aspects of the subject. Once daily. No credit.

MR. JOHNSON.

5. Qualitative Analysis, corresponding to Course 105 of the regular school year. Lectures twice a week. Laboratory work arranged to suit the needs of those taking the course. Either 6 or 12 weeks' credit.

MR. JOHNSON.

6. Chemistry for the Grades. This is a nature study course corresponding to Course 109 of the regular school year. A study will be made of some of the common elements—oxygen, hydrogen, nitrogen, chlorine, carbon, sulphur,—and of some of the more common and important compounds used by man. There will be used for illustration a series of simple experiments capable of being used in the grades. Twice daily. 12 weeks' credit.

MR. JOHNSON.

PHYSICS

REVIEW AND LIFE CERTIFICATE COURSES

Review Physics. This course is designed for those who have had a year's work in physics and who wish to review the subject for second grade, first grade, or state life certificate examinations. It is also designed for those who wish to increase their efficiency as teachers of physics in the schools. Class meets twice daily.

MR. FOX.

102a. Physics for Grade Teachers. The aim of this course is to help students to grasp the underlying principles of physics
so essential to an understanding of general science work in the
grades. The course presupposes a year's work in high school
physics. 6 weeks' credit.

MR. FOX.

Physical Laboratory Work. Arrangements will be made
for those who wish to do laboratory work, to fit the needs of
the pupil. Credit will depend upon the work accomplished.

MR. FOX.

DOMESTIC ART

103a. Plain Sewing. A combination of machine and hand
work in making of a four-piece suit of underwear. Discuss-
sions on pattern making, materials, and various methods of
finishing and trimming. 6 weeks' credit. MISS WAITE.

103b. Dressmaking. This course aims to give the student
a practical knowledge of drafting, designing, making, fitting,
and finishing tailored shirt waist suits and simple summer
dresses. Each student will make a shirt waist and tailored
skirt of a suitable cotton or linen material, and a simple muslin
dress. 6 weeks' credit. MISS WAITE.

110. Art Needlework. The object of this course is to
acquaint the student with various kinds of embroidery and
artistic needlework. The work will include applique, hem-
stitching, simple drawn work, feather stitching, Bermuda fag-
ning, fancy darning, scalloped edges, dots, eyelets, and French
embroidery, applied to household linens, pillows, table run-
ners, and articles of clothing. 6 weeks' credit. MISS WAITE.

DOMESTIC SCIENCE

107. Cooking. This course offers practical work in the cook-
ing of all classes of foods, such as cereals, vegetables, meat, eggs,
bread, pastry, salads, and desserts.

The work is planned to meet the needs of those outside of
the Domestic Science department who desire practical work in
cooking. Six weeks' credit will be given, but will not apply on
the two-year course in Domestic Science. MISS PRAY.

108. Cooking. This course includes the planning, cooking,
and serving of meals at various costs. It is desired that those
entering this class should have had some work in cooking. A
credit of 6 weeks will be given, but it will not apply on the
two-year course in Domestic Science. MISS PRAY.
EDUCATION

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101. Elementary Psychology. The greater part of the time of this course will be given to gaining facility in dealing with the problems of elementary psychology and in the use of the necessary vocabulary and materials. It is intended also to lay the foundation for the student's later work in education and especially to assist him to a better understanding and control of his own methods of study. Required in Graded School and all Life Certificate Courses. 12 weeks' credit.

MR. STETSON.

102. Child Study. By means of definite assignments for observation and the careful study of children, the student will have opportunity to gain further acquaintance with the interests and activities of the various stages of child life and youth. This will be supplemented by the reading of some of the more significant studies that have been made and by acquaintance with the more important conclusions and problems that have been formulated. Required in Graded School and General Life Certificate Courses. Prerequisite, Course 101. 6 weeks' credit.

MISS TOWNSEND.

106. History of Modern Education. The development of the school in its relation to other social organizations. Special attention will be given to the historical conditions and the men most significant in the understanding of present-day problems. Required in all Life Certificate Courses. Prerequisite, 102, 103, 104, or 105. 12 weeks' credit.

MISS TOWNSEND.

107. Advanced Psychology. The aim of this course is a careful study of such problems in psychology and education as the learning process, the reasoning process, habituation and inhibition in the light of the student's previous experience and training and with the aid of as much experimentation as is practicable in the class and in small groups of the class. It will be aimed so to formulate the results of this study as to make it serviceable in teaching and as a basis for independent study and research. Prerequisite, 101. 12 weeks' credit.

MR. REINHOLD.

108. School Organization and Administration. This course
is intended primarily for those students who are or intend to be superintendents or principals of schools. It will be of value, however, to other teachers who wish to understand better the conditions of efficiency in school relationships. A study will be made of some of the books and periodical literature of the subject in an effort to determine influences which are manifesting themselves in school supervision, curricula, organizations, etc. Elective. 6 weeks' credit.

MR REINHOLD.

110. The Philosophy of Education. In this course it will be the endeavor to gain some idea of the principles of education in accordance with the relevant laws of biology, psychology, sociology, and philosophy. Assignments will be made to the writings of Rosenkranz, Tate, Cole, Dewey, MacVannel, and others who have attempted to state the nature of education in the light of its broader and deeper aspects. Elective. 6 weeks' credit.

DR. HOCKENBERRY.

111. Pedagogical Seminar. This course will study some of the construction lines of modern education.

DR. HOCKENBERRY.

ENGLISH

REVIEW, RURAL AND HIGH SCHOOL COURSES

7. Preparatory Grammar. The purpose of this course is a thorough review for those who are making preparation for the county examinations. It is not accepted as credit for the course in Grammar. A part of the questions in the August grammar examination will be based on Wyche's "The Short Story and How to Tell It."

99. Preparatory Composition. The elements of composition are treated under both form and content. The course deals with punctuation, word usage, paragraph and sentence structure, and business and social forms in letter writing. Daily practice is afforded in both oral and written composition. 12 weeks' credit.

MISS MARSH.

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101. Composition. The aim of this course is to stimulate thinking and to arrange the result of one’s thinking with a view to clear and effective expression in the English language. Some attention is given to the conventional mechanics of writing, such
as spelling, punctuation, and paragraphing; but special emphasis is placed on thinking and organizing thought. With this end in view, some stimulating book will be read together, and much time will be devoted to oral and written presentation of interesting lines of thought suggested. 12 weeks' credit.

MR. SPRAU.

103. **Literary Material for the Grades.** (Course 102 prerequisite.) The purpose of this course is to introduce the student teacher to material which is adapted to his work in the training school or for later independent class-room experience. One hour is devoted daily to discussion and criticism (1) of chapters in MacClintock's “Literature in the Elementary School”; (2) of literary material mentioned in MacClintock considered from the points of view of its fitness for children in school, and of its value as real literature. The second hour is given up to lectures on the principles of literary criticism and child study as related to literature; these lectures are supplemented by suggestions for guidance in reading and for the making of bibliographies. Required in Life and Graded School Courses. 12 weeks' credit.

MR. JONES.

109. **Tennyson and Browning.** As much as possible of the writings of these men will be read, supplemented by interpretative lectures on the main currents of thought of the nineteenth century as it found artistic expression in the poetry of England's greatest poets of the period. 12 weeks' credit.

MR. SPRAU.

114. **Advanced Grammar.** This course will include a brief consideration of the history of the teaching of grammar, and a series of brief studies such as: (1) To what extent does the finite verb agree with the subject? (2) The so-called “Short Circuit, or Short Word Group, in English Syntax.” (3) Advantages and disadvantages arising from the use of the diagram. (4) The English word-order. (5) A consideration of certain fallacious or misleading teachings in modern school-grammars. (6) Grammar in the Elementary School. 12 weeks' credit.

MISS MARSH.

115. **English and Scottish Ballads.** Some attention will be paid to the origin of ballads, and of minor epic poems. Most of the time in class will be spent in reading the ballads themselves, the reading to be supplemented by class discussion. Sargent and Kittridge's "English and Scottish Ballads" (Cambridge Edition) will be used. 12 weeks' credit.
1. **Reading and Orthography.** A careful study will be made of Shakespeare's "Merchant of Venice." This book forms the basis for the county teachers' examinations in Reading in August. In Orthography a thorough study of Pattengill's Orthography will be made. MISS ENSFIELD.

**GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

101. **Reading.** A study of the elements of expression and the application of these principles in reading of classic selections. The course aims to develop expressive reading and effective teaching of reading. It puts special emphasis on fundamental principles, and therefore should precede other courses. 12 weeks' credit. MISS FORNCROOK.

103. **Story Telling.** A study of the purposes of story telling in school, and of selection of stories. Daily practice in telling stories should be preceded by English 103. 12 weeks' credit. MISS FORNCROOK.

104. **Debate and Informal Speaking.** Aims to develop ease in public speaking. Discussion of general topics and leading questions of the day. 6 weeks' credit. MISS FORNCROOK.

105. **Drama and Festival.** Study and interpretation of standard and modern plays or scenes from them. Aims to develop dramatic imagination and sympathy, to cultivate ability to read drama interpretively and to give prospective teachers training in the staging of plays. Some time will also be given to the preparation and presentation of festivals. 12 weeks' credit. MISS FORNCROOK.

Courses 103, 104, or 105 offered according to wishes of students.

**GEOGRAPHY**

**REVIEW COURSE**

5. **Review Geography.** This review course is planned to prepare for the examinations in August and October. One-half the questions in Geography for the August examination will be based on "The Teaching of Geography," by Sutherland. MR. CARRICK.
GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101A. **Meteorology and Climatology.** In this course, which is an integral part of the work in general geography offered by the department, the chief emphasis is placed upon the distribution of those climatic elements that condition the distribution of life on the earth. 6 weeks' credit.  
MR. WOOD.

101B. **Physiography of the Land Forms.** Study of the origin and distribution of the various land forms of the earth's surface by means of topographic maps and field exercises. The course also includes a brief study of the chief rocks and minerals. 6 weeks credit.  
MR. WOOD.

104. **Regional Geography.** A study of the leading nations of Europe. 6 weeks' credit.  
MR. WOOD.

106. **Industrial and Commercial Geography** on the basis of the geography of Michigan. 6 weeks' credit.  
MR. WOOD.

GERMAN

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101. **Elementary Course.** Twice daily. The aim of this course is to give the student a knowledge of the rudiments of German grammar and facility in reading and reproducing easy German. A number of texts will be read and discussed in German. 12 weeks' credit.  
MISS ZIMMERMAN.

114. **Advanced Course.** The study of some drama or prose narrative, to be selected to meet the needs of the class. A review of German grammar and syntax and practice in speaking and writing the language. 6 weeks' credit.  
MISS ZIMMERMAN.

115. **Teacher's Course.** This will be primarily a course in German conversation, especially designed for those who feel that their knowledge of the spoken language is inadequate for present-day demands in modern language instruction. The work will consist of discussion of German texts in German and the writing of compositions and reproductions. 6 to 12 weeks' credit.  
MISS ZIMMERMAN.
HISTORY
REVIEW, RURAL AND HIGH SCHOOL COURSES

12. General History. A review course for students expecting to take the examination for second grade certificate. The class will meet twice daily. 12 weeks' credit in High School Course.

MISS HARRISON.

13. United States History. A review course to meet the needs of students preparing for the August and October examinations. Four sections will be formed and a credit of 12 weeks in Rural School course may be earned.

MR. HUNGERFORD.

14. Civil Government. This course is planned primarily for students who wish to prepare for the August and October examinations. Four sections will be formed. Bring any textbooks available.

MR. CONKLING.

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101-2. United States History. Emphasis will be laid upon the different periods according to the needs of the class. Special attention will be given to choice of subject-matter and bibliography suitable for grade work. 12 weeks’ credit.

MR. HICKEY.

104. Roman History. The Romans as missionaries of Greek culture; Roman institutions; their influence on the political organization of Modern Europe. 12 weeks’ credit.

MISS HARRISON.

106. Europe, 1643-1815. A study of important historical developments in Europe, with particular emphasis on the French Revolution and Napoleonic periods. 12 weeks’ credit.

MR. HICKEY.

LATIN
REVIEW, RURAL AND HIGH SCHOOL COURSES

1. Beginning Latin, reciting twice daily. It is planned to cover the work of one term. 12 weeks’ credit.

MISS PARSONS.

2. Latin Composition. This course is designed for those who are preparing to teach Latin, and those who have taught but feel the need of added drill in writing Latin. 6 weeks’ credit.

MISS PARSONS.
4, 7, or 10. **Advanced Latin.** Classes will be formed for those desiring work in Cæsar, Cicero, or Virgil. These courses are designed for those who wish to continue the study of one of these authors "in absentia," and the aim will be to give the student an insight into the life of the author, the historical background, and the method of study, which will enable him to continue the work without a teacher. 6 to 12 weeks' credit.

**MISS PARSONS.**

**LIBRARY METHODS FOR TEACHERS**

The course in Library Methods for Teachers arranged by the State Board of Library Commissioners, will extend through the six weeks of the Summer School. Instruction will be given daily in the form of lectures and practical problems in connection with the Commission's special library.

101. **Library Methods.** Two courses will be given: one in the elementary methods of library administration, accession, classification, cataloguing, etc.—given with the purpose of making it possible for the teacher in charge of the school library to care for it and use it in the most efficient way, rather than for the purpose of training professional librarians. 6 weeks' credit.

**MISS BRALEY.**

102. **Library Methods.** The second course will include more general work,—daily discussion of children's books taken from the selected library, use of lists and bibliographies, and one week each of lectures on Children's Reading and on Reference Books, given by specialists in these branches, sent by the Library Commission. The purpose of the work is to acquaint teachers with the best and most helpful material and method for work supplementary to the regular curriculum. 6 weeks' credit.

**MISS BRALEY.**

**MANUAL TRAINING**

The Manual Training classes in Shop Work will be given in the new Kalamazoo Manual Training School. The shops of the new building have been splendidly equipped with machinery for wood-turning, pattern-making, and blacksmithing. Equipment for the machine shop and foundry will be installed before the opening of the summer term. The highest grade of machinery
and general equipment has been purchased. Graduates and others prepared to take advanced work are requested to notify Mr. George S. Waite, director of Manual Training, before the opening of the term as it is planned to limit the attendance to the number that can be properly handled. During the summer term classes in Manual Training will visit several of the shops and industries of Kalamazoo and vicinity.

102. Manual Training. Instruction in wood and other materials suitable for the pupils in the fifth and sixth grades. 12 weeks' credit. MR. WAITE.

103. Manual Training. Instruction in woodworking shops suitable for students of the seventh and eighth grades. Work in various kinds of wood, the use of woodworking tools of all kinds, and the finishing of the objects made. 12 weeks' credit. MR. SHERWOOD.

104. Manual Training. (a) More advanced work in cabinet making and joinery, and elementary wood turning. 12 weeks' credit. MR. SHERWOOD.

105. Manual Training. Advanced wood turning, pattern making, molding and casting of patterns made. 12 weeks credit. MR. SHERWOOD.

106. Manual Training. Forging exercises in drawing, upsetting, twisting, welding, tempering of iron and steel; ornamental work in iron; chipping, filing, and fitting metals; use of drill press and engine lathe. 12 weeks' credit. MR. SHERWOOD.

107-8. Economics of Manual Art. Development of manual training in the United States; organization of courses of study; planning of rooms and buildings; selection and purchase of tools and materials; supervision of manual training work; manual training and technical schools of England, Scotland, and Wales; lectures and discussions; topical reports. 12 weeks' credit. MR. WAITE.

109. Mechanical Drawing. Consists of simple elementary and geometrical problems, the use of instruments, plans, and elevations of simple objects, and simple lettering. 12 weeks' credit. MR. HUFF.

110. Mechanical Drawing. Continuation of geometrical problems, more advanced drawings of objects, drawings of shop exercises, and lettering. 12 weeks' credit. MR. HUFF.
111. **Mechanical Drawing.** Orthographic projections development of surfaces and sheet metal patterns, machine drawings. 12 weeks' credit. MR. HUFF.

112. **Mechanical Drawing.** Isometric drawing, mechanical shading, and drawings, designs for equipment of woodworking rooms, tracings and blue prints. 12 weeks' credit.

113. **Mechanical Drawing.** Mechanical shading of drawings including tinting in colors, plans of schoolrooms showing equipments, designs for shop exercises, machine drawings. Plans, elevations, details, specifications, tracings, and blue prints of a manual training building. 12 weeks' credit. MR. HUFF.

114. **Foundry Practice.** This course will include molding of patterns and casting of same. Use of cupola and crucibles. The foundry room will be equipped with facilities for this work. This course requires previous experience in pattern making. Students desiring to take this work must enroll if possible before the summer term.

115. **Machine Shop Practice.** Iron working machinery, including lathes, shapers, planers, grinders, drill press and the use of same. Constructing machinery, repairing machinery, and making of tools. Those desiring work in this class must notify the instructor before the Normal School opens, as the number taken will be limited. This work will require some previous knowledge of machinery.

In the manual training courses instruction is given regarding materials and topical reports are required. In the classes, Ritchey's Manual Training, and Rouillion's "Economics of Manual Training," and Bacon's "Forging and Practice" are used as text-books. Much reference work is done, all students having free access to the library, which is well equipped.

**MATHEMATICS**

**REVIEW, RURAL AND HIGH SCHOOL COURSES**

1. **Rural School Arithmetic.** This course reviews the entire field of grade arithmetic, giving especial attention to the needs of the rural schools. Much attention will be given to problems bearing on farm and home life. In connection with the course, instruction will be given in grading pupils in arithmetic, and that part of the State Manual bearing on this subject will be reviewed. 12 weeks' credit. MR. JILLSON.
7. **Plane Geometry.** Designed for those preparing for teachers' examination and those desiring a review of the subject as a preparatory subject. Much attention is given to the methods of attack. 

MR. JILLSON.

13. **Arithmetic.** A review for those desiring to prepare for teachers' examination. Sections will be organized for all grades of County Certificates.

MR. OTWELL.

14. **Algebra.** Review course for those preparing for teachers' examination or for students who wish to review the subject as a preparatory course.

MISS GREEN.

**GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

101. **Arithmetic.** A teachers' course. To elect this course the student should have a knowledge of geometry and of the beginner's course in psychology. The work consists of two parts, divided as follows:

(a) A study of the origin of number and its use. The history of the development of the subject-matter of arithmetic, and past and present day methods of teaching the subject. Assigned readings and class-room discussions form a prominent part of this work.

(b) Review of some of the more difficult parts of arithmetic. 12 weeks' credit.

102. **College Algebra.** Arithmetical and geometrical progressions, binomial theorem, development of functions in series, logarithms, theory of equations, convergency and divergency of series, permutations and combinations. 12 weeks' credit.

103. **Plane Trigonometry.** This is equivalent to the work done during the regular session. Solution of triangles by both natural and logarithmic functions. 12 weeks' credit.

*Note.*—Either 102 or 103 will be given, according to the number of students electing one course or the other.

**MUSIC**

101. **Elements of Vocal Music.** This is an academic course, and should precede the Teachers' Course in Music. It presupposes no previous knowledge, but deals with the very rudiments of vocal music. It consists of the cultivation of the ear, the voice, and the beginning of sight singing. The course
covered is that of Book One of any of the standard music courses, and may be eliminated by examination. 12 weeks' credit. MISS HANSON.

102. **Sight Singing and Chorus.** This course consists of ear training, voice culture, and chorus singing. 12 weeks' credit. MR. MAYBEE.

103. **Voice Culture I.** This course includes both concert and individual work. Correct breathing, proper placing of the voice, clarity of tone, articulation and enunciation will be treated specifically. Some songs will be taken up for interpretation. This course is open to all students. Laboratory credit, 3 or 6 weeks. MISS HANSON.

106. **Teachers' Course in Music.** This must be preceded by course 101 or its equivalent. Advanced sight reading and ear training are taken up in this class, discussion of methods, and practice teaching during the class period as a preparation for teaching this subject in the first eight grades. Observation is made in the training school. 12 weeks' credit. MR. MAYBEE.

105. **Primary Songs and Games.** This course is a suggestive one for teachers in the primary grades as well as for specializing students. The following phases will be developed: Rhythm—feeling for and interpretation of different rhythms through games, balls, percussion instruments, folk dances and rhythmic steps. Songs,—a sequence applicable to seasons and school festivals and taken from the best composers of children's songs will be learned. The care of the child voice and the presentation of these two phases to the child will also be taken up. Ability to play the rhythmic studies and accompaniments is desirable and is required from specializing students in the kindergarten and music courses. Observation may be made in the training school. 6 weeks' credit. MISS HANSON.

107. **High School Methods.** Chorus and Art of Conducting. This course is offered to those who have had some experience in music. The aim is also to prepare music for special occasions. 6 weeks' credit. MR. MAYBEE.

109. **Harmony I.** The work consists of ear training and a study of construction of scales, intervals and chords. The writing of simple original settings for songs, and the harmonizing of easy melodies. Students must have had Elements of Music I or its equivalent and be able to play chords, scales, and hymn tunes. 6 weeks' credit. MISS HANSON.
Orchestra. All who have instruments and wish to join the Normal School Orchestra will find it both pleasant and profitable. 3 weeks' credit.

MR. MAYBEE.

PENMANSHIP

This course will be given in muscular movement writing, and will meet the needs in methods and practice of rural and city teachers of all grades. Attention will be given to analysis, grouping, grading, position, etc. Also a course in blackboard writing will be offered to meet the demand of those who wish to improve their work on the board. Sections will be organized in the morning and afternoon, thereby affording an opportunity to all students to join one of the classes. 6 weeks' credit.

MR. NORCROSS.

PHYSICAL EDUCATION FOR WOMEN

101. A Course of Plays and Games. Arranged to meet the needs of the child at the various stages of development. Games for indoor and outdoor use. 6 weeks' credit. MISS FROST.

102. A Course in Folk Dancing. Folk dancing has taken an important place in the physical education of the child. In this course will be given dances suitable for each grade. 6 weeks' credit. MISS FROST.

For those interested in Playground Work, Courses 101 and 102 will have special interest. Course 101 is correlated with Games and Rhythms, offered in the Kindergarten department.

Instruction in tennis and volleyball will be given each morning at 7:10. 6 weeks' credit. MISS FROST.

Instruction in swimming will be given in the mornings by appointment. The pool is open to the women mornings.

RURAL SCHOOLS

A special department gives careful attention to the preparation of teachers for country schools. The number of school districts in Michigan which pay a salary sufficient to command the services of specially prepared teachers, is rapidly increasing. The courses offered here, to fit teachers to meet successfully the progressive demands of the districts, are the result of experience accumulated in working at this problem through the nine years since the establishment of this institution. Teachers in attendance during the summer term are urged to take courses
which will begin for them an accumulation of credit toward a State Normal School Certificate, which will legally qualify them to teach in the rural and graded schools of the state.

Beginning with this summer term two courses will be offered in the department of rural schools:

**COURSE ONE.** Open to graduates of high schools giving four years of high school work. Requires one year and one summer term of residence study, and grants a certificate good in any Michigan school up to the tenth grade. This certificate is good for three years and may be renewed once for a like period. Graduates of this course may secure a life certificate by completing the requirements for such certificate which may be done in one year or less.

**COURSE TWO.** Open to high school students, but must be entered at least one year, and preferably two years before the time at which the student expects to graduate. This course requires the same total weeks credit for its completion that is required for graduation from a good high school. The certificate granted is good in any one, two, or three room school in the state for five years, and it is renewable once for three years. Graduates of this course may complete a life certificate course in two years.

In enrolling for the summer term students should look ahead to one or the other of these courses or to a life certificate course. Students who have finished ten grades or eleven grades of high school work may find that they may do as much to qualify themselves for the August county teachers' examination by taking credit courses as by taking only reviews, in all such cases credit courses should be taken. High school graduates who have had twelve grades may work off the summer term requirement toward rural school course one. Take time to confer with Mr. Burnham, Miss Goodrich, or your county school commissioner about these matters on enrollment day if you have no opportunity before then. Correspondence and personal conference will be welcomed at any time.

The county school commissioners of Southwestern Michigan always cooperate heartily in the work of the summer term. Several commissioners are in regular attendance as instructors, and all from the affiliated counties are usually present on enrollment day, and at least once a week thereafter, most frequently when special lectures are given, when it is customary to hold conferences of commissioners to consider questions pertaining to the welfare of rural schools. Rooms will always be
available for commissioners who wish to call their teachers together for social or other purposes. The accessibility and natural beauty of Oakwood Park make this a desirable place for county picnics. One meeting of the commissioners each year is held in the Normal's Rural Observation School at Oakwood.

**SPECIAL COURSES**

In addition to the review and methods courses offered in the several departments, courses are given which are especially planned to meet the peculiar needs of teachers of rural schools.

1. **School Management and Law.** It will be the aim of this course to make as thorough a study as time will permit of the State Course of Study for rural schools, the General School Laws and School Management. Students owning McMurry's "How to Study and Teaching How to Study," and text-books in school management should bring them. The work will be supplemented by library references and incidental illustrations from the daily work of rural schools. The exhibits of actual rural school work from the counties and from the Normal's Rural Observation School will be closely studied. This course will directly aid all who are preparing for the August county teachers' examination, in three regular examination topics: Theory and Art, Course of Study, and School Law. As many sections will be organized as the enrollment makes advisable. All who complete this course will be given 6 weeks' credit in the regular Rural School Course. See also the announcement of a special course in Rural School Methods under "Teaching" on a subsequent page. MR. ROBINSON, MISS GREEN.

2. **Rural Social Service.** A directed course in reading in Rural Social Service will be amplified by discussion for the purpose of calling the attention of teachers to the great possibilities in rural social life and inspiring them to take part intelligently in local activities, which make for rural progress. All who complete this work will be given 6 weeks' credit in the regular Rural School Course. MISS ENSFIELD.

3. **Agriculture.** This course aims to give the student a general conception of the possibilities of the various phases of agriculture in the rural school. This will include the use of a text-book, lectures, visits to neighboring farms and creameries, and experimental work in the School Garden. Four hours a week, 6 weeks' credit. MR. NASH, MISS KOCH.
101. **General Methods.** (1) A study of the elementary school curriculum with consideration of the subject-matter best suited to the interests and needs of each period of childhood. (2) The problem of motivation of school work. (3) A discussion of types of lessons and the making of lesson plans. (4) Systematic observation of different phases of grade work in the training school, with reports and class discussion. 12 weeks' credit. MISS SPINDLER.

7. **Rural School Methods.** The preceding course will be given in two sections, one for graded school, the other for rural school teachers. In the latter course special problems of the rural school will be considered and emphasis will be given to the construction work and seat work possible in rural schools. At least one-half hour daily of observation in the training school is required. 6 weeks' credit. MISS GOODRICH.

**TRAINING SCHOOL**

The first, second, fourth, and sixth grades of the training school will be in session from 9 to 11 A.M. each day for four weeks of the summer term, to accommodate those who wish to observe teaching in the grades. The regular critic teachers will have charge of this work, with the cooperation of the special teachers in drawing, music, manual training, physical training, domestic art, and domestic science. The work will aim to present proper material for use in the various subjects of the curriculum, such as nature study, geography, reading, and language, and the special branches, including handwork, as well as to show good methods of teaching.

It is hoped that large numbers of the students will avail themselves of the help thus afforded them. No Normal School credit is offered for this work. Commissioners may arrange with the director, however, for reports of attendance of their teachers. Observation will be required in connection with the courses in General Methods and Rural School Methods. Each critic will reserve the 11 o'clock period for conference and general discussion with the observers in the grade and it is expected that students observing will attend at least one conference each week.

Students taking observation in any course should fill out cards in the office of the Training School as soon as their regular enrollment is completed. MISS SPINDLER and CRITIC TEACHERS.