SUMMER TERM
OF THE
Western State Normal School
KALAMAZOO, MICHIGAN

Monday, June 30 to Friday, August 8, 1919
FACULTY OF THE SUMMER SCHOOL
1919

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

MAUDE BERGEN, B. S.,
Domestic Art.

AMELIA BISCOMB, A. B.,
English.

ALICE BLAIR, B. S.,
Domestic Art.

HAROLD BLAIR, B. S.,
Mathematics.

ARTHUR BOWEN,
Industrial Arts.

WILLIAM R. BROWN, Ph. D.,
English.

ERNEST BURNHAM, Ph. D.,
Director of Rural Education.

CARRIE L. CARTER, Commissioner of Schools, Newaygo County,
County Training Class Problems.

VERLE FRANCES COPPENS, B. S.,
Early Elementary Education.

BERTHA S. DAVIS,
Dean of Women.

HOMER A. DES MARAIS, A. M.,
French and Spanish.

MARY ENSFIELD, A. B.,
Rural Education.

JOHN P. EVERETT, A. M.,
Mathematics.

FRANCES FARNHAM, A. B., Director County Normal,
Petoskey,
English Grammar and Reading.
E. E. FELL, A. M., Superintendent of Schools, Holland, Education.

JOHN FOX, A. M.,

EMELIA M. GOLDSWORTHY,

CYNTHIA A. GREEN, Commissioner of Schools, Eaton County, Management and Methods.

HARRY P. GREENWALL, B. L., Penmanship.

GERMAINE GUIOT,

THEODOSIA HADLEY, M. S., Agriculture.

LEROY H. HARVEY, Ph. D., Biology.

LUCIA HARRISON, M. S., Geography.

H. GLENN HENDERSON,

THEODORE S. HENRY, Ph. D., Education.

M. AMELIA HOCKENBERRY, A. B., French.

DORIS HUSSEY,

ELEANOR JUDSON,

LORENA LEONARD, Critic County Normal, Ionia, Management and Methods.

L. L. LIVERMORE, Commissioner of Schools, Branch County, Management and Methods.

M. W. LONGMAN, A. M., Mathematics.

ARTHUR L. LORING, A. B., Commerce.
VERA LUTJE, A. B., History.
WILLIAM McCRAVEN, Ph. D., Chemistry.
MADELEINE McEVOY, Commerce.
HARPER C. MAYBEE, Public School Music.
LAURA MICKEY, A. M., Mathematics.
FRED A. MIDDLEBUSH, Ph. D., History.
MARY MOORE, Domestic Science.
JESSE A. PLACE, A. M., Biology.
ELEANOR RAWLINSON, English.
LAURA V. SHAW, A. M., Speech.
MARION J. SHERWOOD, B. S., Industrial Arts.
CLEORA SKINNER, Director County Normal, Evart, Management and Methods.
WILLIAM H. SPAULDING, A. B., Director of Athletics.
GEORGE SPRAU, A. M., English.
MARGARET SPENCER, Art.
LAVINA SPINDLER, Education.
DAVID VAN BUSKIRK, A. B., Principal High School, Big Rapids, History.
CHARLES C. WILCOX, A. B., Kalamazoo High School, Geography.
MILDRED WILLIAMS, A. B., Director County Normal, Croswell, Management and Methods.

LESLIE H. WOOD, A. M., Geography.

ELISABETH ZIMMERMAN, A. M., Latin.

TRAINING SCHOOL

FRANK E. ELLSWORTH, A. B., Director.

FLORENCE ALLEN, Public School Music.

LAVERNE ARGABRIGHT, Critic.

FANNIE BALLOU, Critic.

RUTH MILLER, A. B., Critic.

KATHERINE MULRY, B. S., Critic.

MARY MUNRO, A. B., Critic.

ROSE NETZORG, Public School Art.

LOUISE STEINWAY, B. S., Critic.

LIBRARY

ANNA L. FRENCH, MARY T. McMANIS, ATTA CHAPMAN.

OFFICES

EUGENE D. PENNELL, Secretary-Registrar.
NATALIE E. MURPHY, A. B., BERNICE HESSELINK, MARIE COULTER COLE, LEAH SMITH, LUCILE FLEUGAL.
ATHLETIC FIELD
STANDING COMMITTEES, 1919

The President is ex-officio a member of each committee.

Appointment Committee—Ellsworth, Henry, Burnham, Davis, Wood.
Athletics—Spaulding, Guiot.
Extension—Hoekje.

Program, Records, and Schedules—
   Junior and Senior Cards—Murphy.
   Recorder—Murphy.
   Entrance Requirements—Fox.
   Early Elementary Life Course—Ellsworth, Ballou, Coppens.
   Later Elementary Life Course—Henry, Spindler.
   Junior High School Life Course—Rawlinson, Biscomb.
   Senior High School Life Course—Fox, Zimmerman.
   Art—Goldsworthy.
   Commerce—Loring.
   Household Arts—Blair, Moore.
   Industrial Arts—Sherwood, Bowen.
   Music—Maybee.
   Physical Education—Guiot.
   Extension—Hoekje.
   Rural Education—Burnham.
   Limited Certificate Courses—Burnham.
   Special—Everett.

(2) Special Summer Courses—Burnham.

(3) A. B. Degree Course—Sprau.
Extra Studies—Everett, Burnham.

Advanced Standing—
Life Certificate, Limited Certificate, and Degree Courses—Sprau.
Health—Davis, Guiot, Place, Hadley.
Social Life—Davis, Shaw, Munro, Steinway, H. Blair, Brown.
Y. W. C. A.—Hockenberry, Spindler.
The sixteenth annual Summer Term of the Western State Normal School will open June 30, 1919, 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. Kalamazoo, with a population of 45,000, is a city rich in industries, beautiful and healthful as a place of residence. The Normal School is in the residence section on a hill affording a most magnificent panoramic view of the city and surrounding country.

Kalamazoo is an important railroad center easily accessible from all parts of Michigan and adjoining states. It is the halfway point between Detroit and Chicago on the main line of the Michigan Central Railway. The Grand Rapids and Indiana, the Lake Shore and Michigan Southern, and the Chicago, Kalamazoo, and Saginaw railroads, all running north and south, pass through Kalamazoo. In addition to these main lines, the South Haven branch of the Michigan Central, the Kalamazoo Lake Shore, and Chicago, and the Grand Trunk railroads, together with the Michigan Railway Company trolley lines east and north, afford convenient travel to and from all points in southwestern Michigan.
PURPOSE OF THE SCHOOL

The purpose of the Normal School as constituted by law is to prepare teachers for the public schools, and to this end especially the work of the school is organized and conducted. Recognizing that scholarship, familiarity with children, and a proper attitude toward the work of teaching are fundamental in all professional preparation of teachers, the courses of study in the Western State Normal School have been planned to give as thorough knowledge of the subject-matter as possible in the time devoted to the work, to emphasize the principles underlying the teaching process, and to keep before the student the fact that the highest aims of education are character and service. Every possible means is provided for accomplishing these purposes and for bringing the student into direct acquaintance with the best in modern thought and life. The spirit of hearty cooperation between faculty and students in enterprises and interests of the school is fostered at all times.

Responsibility for the proper attitude of students toward the school and community is, for the most part, necessarily 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 the Normal School to attempt the task of reforming young men and women. No personal effort will be spared to assist 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 and to those who plan to teach during the coming year. Courses of study, plans of work, and methods of instruction, will be arranged to meet the needs of teachers engaged in the profession.

BUILDINGS

1. Administration Building. This structure contains in addition to the administration offices, fourteen classrooms, the assembly room, and the library and reading-rooms. The Nor-
mal Co-operative Store is located on the first floor. The site occupied by the Administration building is well known for the panoramic view of Kalamazoo and the surrounding country.

2. Training School Building. This building, 118 feet long and 100 feet wide, consisting of two stories and a basement, is one of the best-planned training school buildings in the country. In completeness and convenience the building is a model. The first, third, fourth, fifth, sixth, and seventh grades will be in regular session each forenoon during the entire term, affording students opportunity for observation and practice teaching.

3. Gymnasium. The Gymnasium is the largest among the normal schools of the country. The main floor is 119 feet long and 68 feet wide, entirely clear of posts or obstructions of any kind. The running track, 9½ feet wide, is suspended from the structural steel supporting the roof of the building. In the basement are lockers, shower baths for men and women, and a swimming pool 52 feet long. All classes in public school gymnastics will meet in the Gymnasium.

4. Science Building. The new Science building is located directly west of the Gymnasium and covers a ground area 148 feet long and 78 feet wide. The building is three full stories above the basement. The first floor affords classrooms and laboratories for the departments of Psychology and Geography. The Department of Biology is housed on the second floor, and on the third floor are classrooms and laboratories for the departments of Physics and Chemistry. The new building and its splendid equipment greatly increase the efficiency of the several departments of science.

5. Industrial Arts. The building recently purchased from Mr. Eames is at present the home of the Department of Industrial Arts. This building is located on Oakland Drive just across the street from the Normal School campus. It consists of a large shop, a room for mechanical drawing, and several offices. It is in every way thoroughly equipped for first-class work.

THE LIBRARY

The Library at present numbers 18,000 volumes. All books have been selected with great care to avoid excessive duplication, and, since all purchases have been made within the last
fifteen years, the library is entirely free of antiquated and useless material. The books have been chosen to represent adequately all departments of the school and to provide generous opportunity and encouragement for cultural reading.

One hundred and ninety periodicals are taken and forty-eight complete sets are shelved in the reading-rooms. Students are given free access to reading-rooms and stackroom.

A representative selection of children's books is furnished by the State Library to supplement the Children's Library in the Training School. This collection is open for inspection and gives an unusual opportunity for teachers to become acquainted with the best books for children in the most suitable and attractive editions.

The Kalamazoo Public Library with a collection of 45,000 volumes is open to all students of the Normal School.

CREDIT

Credits applying on the A. B. degree and 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 of credit, while those reciting twice each day earn twelve weeks of credit.

DEMAND FOR TEACHERS

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

EXPENSES

The tuition fee is $4.00 for all students who reside in Michigan. For those living outside of Michigan the fee is $6.00. There is a fee of $1.00 for the support of athletics.

BOARDING AND ROOMING

There are convenient rooms in the vicinity of the school sufficient to house 1,200 or more students. The cost of room and
board varies. The average cost of rooms is from $1.50 to $2.00 per week per person; the average cost of board from $4.00 to $5.00 per week. The Normal Lunchroom will be open during the Summer Term. Excellent food is provided at very low prices.

Men and women students should not room in the same house. Women students should expect the privilege of entertaining their callers in a down-stairs room assigned for that purpose.

A list of good rooming and boarding houses can be obtained from the Secretary in the General Office or from the Dean of Women. It is advisable for students to see the rooms before they definitely engage them.

HEALTH

Kalamazoo, according to the records in the office of the State Department of Health, is one of the healthiest cities in the country. Its splendid water supply and efficient Department of Health mark it as unusual in its sanitary conditions. The great majority of the non-resident student body is housed in the most desirable sections of the city. Realizing that with the enrollment of the student the School becomes responsible for his health as well as for his educational development, and that the efficiency of the student depends upon his condition of health, a committee on student health has been created to serve as an advisory committee to the student body. Students are urged to bring all cases of physical indisposition to the attention of some member of this committee. Any case of contagious disease should be immediately reported to some member of the Health Committee or to the Dean of Women.

STUDENT CLUBROOM

A Students' Clubroom located in the Administration building, is used by the young women for quiet study or rest between classes.

THE NORMAL CO-OPERATIVE STORE

The Normal Co-operative Store, which has been in operation during the past six years, will be open during the Summer Term, affording opportunity for students to purchase books and other necessary supplies at low prices.
The Co-operative Store enjoys a large student patronage. During the present school year the store will transact a business of approximately $15,000.

**THE WESTERN NORMAL HERALD**

The *Herald*, the official weekly publication of the School, made its first appearance in the Summer Term of 1916. It is issued as a four-page paper, newspaper size, each Wednesday morning. The *Herald* endeavors to chronicle faithfully all the important activities of the School. From time to time throughout the year special numbers are issued. These are devoted to art, music, industrial training, athletics, co-educational activities of a special nature, and other particular school interests. Every student and faculty member is a paid subscriber. The alumni also are giving the paper hearty support. The subscription price is one dollar for the forty-two issues of the year, Summer Term numbers included. Subscriptions may begin at any time.

**ATHLETICS**

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

The new athletic field of 14 acres lies just across Oakland Drive from the Normal School campus and is one of the finest in the Middle West. The baseball diamond and the new up-to-date quarter-mile track will be in use during the Summer Term.

**SOCIAL LIFE**

As in former years, the Social Committee of the faculty will provide special entertainment with a view to securing a variety of interests and affording opportunities for extending acquaintance among the students. Social gatherings similar to those of last summer, which will be so pleasantly remembered by all students who were in attendance, are to be included in the general program which has been planned for the enjoyment of members of the Summer School. General student parties are
scheduled for the following dates: Wednesday, July 2, and Friday, July 18.

Y. W. C. A.

The Young Women's Christian Association of the school has for its purpose the spiritual development of the young women and the promotion of social service among them. Beginning with the second week, meetings will be held every other week during the Summer Term, in the Students' Clubroom.

LECTURES

Thursday Dr. Edward Alsworth Ross, professor of sociology in the University of Wisconsin, was sent to Russia at the instance of the American Institute of Social Service to report on what might be done in aid of Russian social progress. He traveled 20,000 miles in Russia and brings an amazing story of how it happened that the working class made itself the master of Russia.

Thursday President Marion L. Burton of the University of Minnesota, formerly President of Smith College, has few equals in America in the platform presentation of fundamental principles in public welfare. In presence, personality, skill in speech, and in the message he brings there are communicated the best ideals of democratic citizenship. He will lecture on a patriotic subject.

Third Dr. Charles H. Judd, director of the School of Education, University of Chicago, will address the summer school. Dr. Judd has lectured before the summer school on many former occasions, and his return will be hailed with delight by all who are acquainted with his work. He is one of our great leaders in education, and is easily one of the most attractive speakers of our day.

Fourth Dr. Lotus D. Coffman, Dean of the College of Education of the University of Minnesota, will lecture on "A Needed Readjustment in Education." He will discuss group activities of teachers and the leadership and co-operation necessary in the sane promotion of the professional welfare of teachers. Dr. Coffman has exceptional clarity in thought, and he is direct, courageous, and very effective in his addresses. He has
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lectured repeatedly in Michigan and there has been a steady growth in the appreciation accorded his work.

CHAUTAUQUA

For the seventh successive year the Redpath Chautauqua will be held on the Normal grounds during one week of the summer school. Programs will be given morning, afternoon, and evening. Prominent lecturers and musical organizations will appear, and the students will be offered the same high-grade attractions of previous years.
Courses Offered

The courses offered in the Summer Term are as follows:
1. A. B. Degree.
2. Regular Certificate.
3. Special Summer.
4. Extension.
5. Lecture.

A. B. DEGREE COURSE

In the spring of 1918 the State Board of Education established in the normal schools of the state a four-year course of study leading to the degree of Bachelor of Arts. The Western State Normal entered upon this work immediately, and the first class in the four-year course will graduate with the A. B. degree this year in June. Courses offered during the Summer Term may be counted as credit toward the Bachelor's degree. Graduates in the Life Certificate courses and other students looking forward to a college education are urged to embrace this opportunity to advance their education and to approach nearer to the coveted goal.

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 Limited Certificate groups will meet twice daily thus enabling a student to cover the work of two twelve weeks' courses during the Summer Term. Classes will be formed in a wide variety of subjects in all the departments of the school.

SPECIAL SUMMER COURSES

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 in-
cluded in the first, second, and third grade examinations. As there will be no summer schools or institutes this year in the counties near Kalamazoo, all teachers are urged to take advantage of the unusual privileges offered at the Western State Normal. Credits earned in Special Summer Courses are recorded, and may be counted as credit toward a certificate or a degree.

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

The School Commissioners of the counties which are affiliated with the summer school urgently recommend that teachers and students preparing for county examinations elect, when possible, regular certificate courses.

COUNTY NORMAL DIRECTORS AND CRITICS

There is offered this summer a course in County Training Class Problems, and demonstration of rural school teaching will be given each forenoon in the Oakwood Rural School. This course is especially for teachers who are planning to teach in County Training Classes.

COUNTY COMMISSIONERS CONFERENCES

Commissioners of schools of the co-operating counties will be at the Normal School on Monday and Tuesday of the first week of the term. They will lunch together on Tuesday and will organize for any conferences which they may desire to hold during the term. In past Summer terms commissioners have appointed times for meeting their teachers for consultation and have co-operated with them in social gatherings. The Commissioners' conferences have discussed questions of county administration and supervision, always with the aid of the State Superintendent or his deputy, at one or more of their meetings.

NORMAL EXTENSION DEPARTMENT

Through the Extension Department the Western State Normal School offers opportunities to study in absentia for credit to
capable students who are unable to be in residence during the regular year. Such non-resident credit when combined with resident credit earned during Summer terms is accepted on the various certificate courses.

All instruction is given by members of the regular faculty in classes which meet at frequent intervals, usually on Saturdays, in centers within range of the school, or by means of carefully organized courses offered by correspondence. As nearly as possible, all courses are equivalent to corresponding courses in residence.

A special announcement of this department will be furnished on application to the Extension Director.

**THE EXTENSION LIFE CERTIFICATE**

The Western State Normal was authorized in 1905 to grant extension life certificates to mature students who comply with the following conditions:

1. Graduation from a high school, or its equivalent.
2. Completion of the following work under direction of the faculty of the Western State Normal after six years of successful teaching experience.
   a. Three Summer terms in residence.
   b. Two years of non-residence work,—either
      1. Class work at a center within range of the school, or
      2. Correspondence work under direction.

The object of the course is to meet the needs of those who otherwise would be deprived of opportunity for growth and advancement. Extra credits or substitutions for residence study on the basis of work done elsewhere are not accepted. Numerous students already have completed the Extension Life course.

Special announcements bearing on the workings of the Extension course will be mailed to those interested, if they address The Extension Director, Western State Normal School, Kalamazoo, Michigan.
Details of Departments

SPECIAL SUMMER COURSES

DR. BURNHAM, Director

Special Summer courses in the common school subjects are offered primarily for students who are preparing to teach for the first time and who intend to take the August teachers' examination. It is assumed that these students are high-school graduates and prepared to do a high order of work. Students may enroll in as many of these courses as they can carry with profit, but they may not count such work for more than twenty-four weeks of credit toward a certificate, without the previous consent of the director of these courses. Should students who earn credit in Special Summer courses subsequently elect regular Certificate and Degree courses covering in part the same field, the credits earned in Special Summer courses will become void.

BIOLOGY

A. Teachers' Physiology. A brief course covering the essentials of physiology and hygiene. 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. Hygienic considerations will be adequately treated. Bring all available textbooks. 6 weeks' credit.

MR. PLACE.

B. Teachers' Agriculture. This course will cover the general field of agriculture, dwelling upon those phases of the subject which seem practical. Students should bring all available texts on elementary agriculture. 6 weeks' credit.

MISS HADLEY.

C. Teachers' Botany. The course is planned to cover the materials and methods of elementary botany. The work will be founded upon the available secondary texts. Bring all available texts. 6 weeks' credit.

DR. HARVEY.
ENGLISH

A. Reading and Orthography. The aim of the course is to give the student some acquaintance with the fundamental principles involved in the teaching of reading and spelling. The work of the course is based upon Bulletin No. 4, "The Teaching of Reading," and Bulletin No. 10, "Word Study and Spelling," both prepared by the State Department of Public Instruction. 6 weeks' credit. MISS FARNHAM.

B. English Grammar. The course provides a thorough drill in the fundamentals of English grammar, to insure mastery of the subject on the part of those preparing to teach. 6 weeks' credit. MISS FARNHAM.

GEOGRAPHY

A. Geography. This course is worked out with the needs of the rural school and intermediate grades of city schools definitely in mind. It consists of a study of two distinct, although closely associated, phases of geography, (a) the study of principles, and, (b) the study of the geography of regions. 6 weeks' credit. MR. WILCOX.

HISTORY

A. General History. A general survey of the subject, intended primarily for teachers preparing to take the examination for a second-grade certificate. 6 weeks' credit. MISS LUTJE.

B. United States History. A course to meet the needs of students preparing for the August examination. The work will be based on "Democracy and the Great War," by Fuller, published as Bulletin No. 20, by the State Department of Public Instruction. 6 weeks' credit. MISS LUTJE.

C. Civil Government. The purpose of the course is to make prospective teachers thoroughly familiar with the principles and ideals of American government. The work is based on "Americanism, What It Is," by David J. Hill (D. Appleton Co.) 6 weeks' credit. MR. VAN BUSKIRK.
MATHEMATICS

A. Plane Geometry. Designed for those who are preparing for teachers' examination or for students who wish to review the subject as a preparatory course. Much attention is given to method of attack. One section. 6 weeks' credit. MRS. MICKEY.

B. Arithmetic. A review for those desiring to prepare for teachers' examination. Sections will be organized for all grades of county certificates. 6 weeks' credit. MR. LONGMAN.

C. Algebra. Review course for those preparing for teachers' examination or for students who wish to review the subject as a preparatory course. 12 weeks' credit. MRS. MICKEY.

PHYSICS

A. Teachers' Physics. This course is designed primarily for teachers of high-school science who wish to strengthen their work in the elements of the subject. It also prepares teachers for first and second grade county examination. High-school physics is desirable as a prerequisite though not essential. 6 weeks' credit. MR. FOX.
REGULAR DEGREE AND CERTIFICATE COURSES

ART

101. **Introductory Art.** A course in art for students who have not had work in art in the grades, or who are lacking in the ability to express form in drawing and painting. The course consists of drawing and painting nature forms, principles of perspective as expressed in simple type forms, principles of design as expressed in simple borders, surface coverings and printing, picture study and blackboard sketching. Elective. 12 weeks' credit in Art, and Art and Music courses.

MISS GOLDSWORTHY.

102. **Teachers' Art.** A course of study will be planned with the students covering the grades in which the students are preparing to teach. All students will be required to observe practice teaching in Art in the Training School. Required in Early and Later Elementary courses. 12 weeks' credit.

MISS JUDSON.

103. **Industrial Art.** Problems growing out of a study of the industries will be given. Among the industries presented will be pottery, paper and book making, weaving and textiles, basketry, toy construction, and printing. No previous art training required. 12 weeks' credit.

MISS SPENCER.

107. **History and Appreciation of Art.** The course aims to present a historical survey of the development of art in architecture, sculpture, and painting. A careful study is made of the early art of Egypt, Assyria, Greece, and Rome, followed by a review of the renaissance and modern periods. The work will be illustrated by a large collection of pictures. The course is open to all. 12 weeks' credit.

MISS GOLDSWORTHY.

Public School Art. Classes in Public School Art will be conducted in the Training School during the morning session.

MISS NETZORG.
110. Fundamentals of Biology. This course is introductory and is planned to present the great fundamental truths of biology to the end that the student may acquire the biological point of view which is an essential desideratum in modern educational, sociological, and ethical considerations. An effort will be made to develop in the student the scientific attitude of mind. Evolution, heredity, and eugenics receive special treatment. 12 weeks' credit.

DR. HARVEY.

111. 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, special 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. 12 weeks' credit.

MISS HADLEY.

117. Hygiene. The factors of both personal and social hygiene are considered with special emphasis on the causes of ill-health and disease, their control and prevention. 12 weeks' credit.

MR. PLACE.

119. Field Biology. Arranged to meet the demands of any who may desire special work along this line. Such a course will embrace the detailed study, under direction, of some habitat or region, or of some group of plants or animals. Collections and reports are required. The credit is determined by work done.

DR. HARVEY, MR. PLACE.

120. Organic Evolution. The main purpose of this course is to present to the general student a comprehensive introduction to our present-day knowledge of the factors and phenomena
of organic evolution to the end that he may acquire a philosophy of nature and a recognition of man's place in nature as a basis of thought and action. No prerequisite required. 12 weeks' credit.

DR. HARVEY.

124. Club Leadership. This course acquaints the student with the problems and methods of organization of boys' and girls' clubs. The satisfactory completion of this course should enable the teacher to carry on intelligently the clubwork now being extensively organized throughout the state under Federal, State, and County leaders. 12 weeks' credit. MISS HADLEY.

CHEMISTRY

3 and 103. General Inorganic Chemistry. This course covers the third term's work. Laboratory work is required. Twice daily, 12 weeks' credit. DR. McCracken.

108. Chemical Nature-Study. This course is designed to give the student some knowledge of the facts of chemistry, and of experiments that may be of use in the grades. No previous knowledge of the subject is required. Twice daily, 12 weeks' credit. DR. McCracken.

Note.—If there are enough students who wish to begin chemistry (Courses 1 and 101) a class will be organized. Students desiring laboratory work in qualitative or quantitative analysis will be accommodated.

COMMERCE

101. Shorthand Elementary. 12 weeks' credit. MISS McEVOY.

102. Shorthand Intermediate. Prerequisite 101 or its equivalent. 12 weeks' credit. MISS McEVOY.

101. Typewriting Elementary. 6 weeks' credit. MISS McEVOY.

102. Typewriting Intermediate. Prerequisite 101 or its equivalent. 6 weeks' credit. MISS McEVOY.

101. Introductory Bookkeeping. A course planned especially for teachers who expect to teach elementary bookkeeping in the
high school. The course includes work introducing sales and purchase journals, cashbook, trial balance, statements, closings, and negotiable paper. 12 weeks' credit. MR. LORING.

102. Accounting Intermediate. The work takes up summary statements, account classification, partnerships, special problems in negotiable instruments, control accounts, corporations and special ventures. Prerequisite, Accounting 101 or its equivalent. 12 weeks' credit. MR. LORING.

109. Methods of Commercial Teaching. Pedagogical basis of value of various studies classified as commercial. Methods of attack are considered in detail in each subject. The high-school curriculum is discussed with reference to educational and vocational value. Courses of study are considered. 12 weeks' credit. MR. LORING.

EARLY ELEMENTARY EDUCATION

101. Early Childhood Education. A course planned primarily to acquaint the student with the fundamental characteristics of childhood—its interests and instincts, its physical nature and needs. Required observations, readings, and reports in addition to classroom work. The course runs parallel with 102 Contents of Curriculum. Required in Early Elementary Course. 12 weeks' credit. MISS COPPENS.

102. Contents of Curriculum. The purpose of this course is to acquaint the student with the subject-matter of the kindergarten and first two grades, together with methods of presentation. The various activities considered include handwork, nature-study, literature, arithmetic, etc., centered about community and social projects of interest to young children. The course runs parallel with Early Childhood Education 101. Required in Early Elementary Course. 12 weeks' credit. MISS COPPENS.

104. Beginning Reading. This course deals largely with the physiological, psychological, and pedagogical problems found in teaching little children to read. A study is made of kindergarten activities which may be used as a basis for beginning reading. Emphasis is placed on the study of some of the modern methods now in use, such as Aldine, Beacon, Merrill, and Gordon.
Standards for judging methods and material are worked out. Students will be given opportunity to give some of the reading tests which are now being used in school investigations. 12 weeks’ credit. MISS SPINDLER.

EDUCATION AND PSYCHOLOGY

EDUCATION

101. Principles of Teaching. (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.

127. History of Modern Education. This course traces the development of the modern school in its relation to other social organizations. Special attention is given to the historical conditions and to the men most significant in current educational practice. Special reports on current educational problems, and required readings in literature pertaining to the subjects studied in class are required. Elective. Not open to first-year students. 12 weeks’ credit. MR. HOEKJE.

Teaching Americanization (Its Pedagogy and Methodology). The demand for teaching Americanization to immigrants is very insistent. The usual courses offered and the current methods employed in night schools and evening classes have not been effective in securing regularity of attendance or satisfactory results. Newer methods have been evolving, and new syllabi for teaching, new courses of study, and new texts for use have been prepared. It is the aim of this course to survey and review the best current practice in this work and to fit candidates for effective teaching of Americanization. Although no credit will be given for the course, it is felt that the work will prove attractive to many. Hours will be arranged by conference with the instructor. MR. HOEKJE.
OAKWOOD RURAL SCHOOL
PSYCHOLOGY

101. Introductory Psychology. A course for beginners, consisting of lectures, recitations, quizzes, and laboratory work. Required in all courses. 12 weeks' credit. MR. FELL.

102. Educational Psychology. This is an advanced course in the psychology of education. Emphasis is placed upon the exercises in the laboratory, which comprise at least half the work of the course. Prerequisite, Introductory Psychology or its equivalent. Required in Life Certificate courses. 12 weeks' credit. MR. FELL.

104. Adolescence. Treats of the mental and physical conditions of life during the adolescent period with special reference to their influence upon educational practice. Prerequisite, Introductory Psychology, and preferably, Educational Psychology. Required in the High School Life Certificate courses. 12 weeks' credit. DR. HENRY.

110. Clinical Psychology. A course in the theory and technique of the standard mental tests. Open only to advanced students after consultation with the instructor. 12 weeks' credit. DR. HENRY.

ENGLISH

101. Composition. This course aims to help the student in the use of composition as a practical art. Emphasis is placed upon sound organization of material and clear expression of ideas. To this end some time is given to the reading and analysis of several representative prose selections, and much practice work is done in the writing of short themes. A number of detailed outlines are developed, and at least one exposition of approximately 1,000 words is undertaken, preferably upon some subject of interest and value to the individual student. While a knowledge of the principles of punctuation, grammar, and rhetoric is presupposed, critical attention is paid to their application and to the observance of the ordinary manuscript conventions. 12 weeks' credit. DR. BROWN, MRS. BISCOMB.

103. Literature for Children. This course aims: (1) to give a general survey of the field of literature suited to the needs and tastes of children; (2) to get at the general principles which
underlie the selection of literature for children under any given conditions; (3) to organize and give new meaning to the mass of suitable literature already read, and to add largely to its content by further reading. While this is primarily a course in literary material for class use, some attention will be paid to the subject of general reading for children, both inside and outside of school. MacClintock's *Literature in the Elementary School* will be used as a basis for the discussion of principles. Students will save time by bringing with them a good collection of fairy tales; an anthology of poetry for children; a mythology; the *Iliad*, the *Odyssey*, the *Nibelungenlied*, the *Song of Roland*, the *Morte D'Arthur*, the *Old Testament*, and *Beowulf*, or any simplified stories founded upon these; *Gulliver's Travels*; *Alice in Wonderland*. As to prerequisites, some knowledge of child psychology and much knowledge of literature are desirable but not indispensable. This is a course in reading and in the application of principles. Notebooks will be kept and brief reports will be submitted, but no long papers will be written. 12 weeks' credit.

**MISS RAWLINSON.**

104. **Teacher's Grammar.** The aim of the course is to help the prospective teacher to an independent mastery of the subject of English grammar. The English sentence, word order, parts of speech, and inflection are thoroughly studied. Special attention is given to the more abstract and difficult principles of grammar that clearness of conception may be assured. Much time is devoted to practical application and testing of devices and methods usually used in teaching the subject. 12 weeks' credit.

**MRS. BISCOMB.**

108A. **The English Drama.** In the Summer Term, the class will trace the English drama from its origin in miracle and mystery plays through the period of the moralities, the interludes, and the imitations of Latin tragedy and comedy to the work of Lyly, Green, Peele, Kyd, and Marlowe. There will be assigned reading in representative plays of the different stages of development of the drama. 12 weeks' credit.

**DR. BROWN.**

112. **American Literature.** An historical survey of the general field of American literature with special emphasis on the chief American poets. First-year elective. 12 weeks' credit.

**MR. SPRAU.**
114a. Literary Criticism. A careful study of the fundamental principles of literary criticism, supplemented with wide reading in English critical essays. Each student writes several short criticisms. The work of the course is arranged to develop in the student a sound critical judgment and to cultivate the habit of careful criticism. Senior and third-year elective. 12 weeks' credit. 

MR. SPRAU.

Note.—Open only to students who have had several courses in English or foreign languages.

FRENCH

101S. First-Year French. Second and third terms of first-year French, designed especially for those who began French in a previous summer, and for Extension students who have completed first or second terms. With the approval of the instructor, other students who wish to renew their knowledge of French may enter the course. 12 weeks' credit.

MRS. HOCKENBERRY.

102S. Intermediate French. The purpose of the course is to insure the acquisition and use of a good vocabulary, and to introduce the student to standard texts. The work consists of a review of grammar, and rapid reading of simple prose and plays, with oral and written summaries of the work read. Minimum requirement, one year of high-school French or equivalent. 12 weeks' credit.

MRS. HOCKENBERRY.

103S. Advanced French Conversation. Designed for students of third-year or fourth-year French who wish to perfect themselves in oral French. Topics considered will relate to the things of every-day life, travel, and literature. 12 weeks' credit.

MR. DES MARAIS.

GEOGRAPHY

101. General Geography. Part I. The nature and scope of geography; the various map projections in common use; the elements and controls of climate; the characteristics and distribution of the major climatic types; causes of weather changes; an elementary study of life responses to climatic conditions as il-
illustrated in the tundra, rain forest, desert, steppe, savanna, and in island and Alpine conditions. 12 weeks' credit.

MISS HARRISON.

102. General Geography. Part II. This course is a continuation of General Geography 101, and the chief emphasis is placed upon the regions of more complex social, industrial, and commercial life, in contrast to the primitive and more restricted life of the purely climatic regions of the earth. The aim in the course is to present the geography of these unit regions in such a manner that teachers may not only learn a method of study, but also gain facility in use of the general principles of geography. The course includes a study of economic rocks and minerals, relief features of the earth, and leading facts in the growth of plant industry, animal industry, manufacturing, and commerce, all more or less incidental to regions chosen from physiographic sections of the temperate zone. 12 weeks' credit.

MR. WOOD.

104. The Geography of Europe. A study of the leading facts, historic, climatic, and physical that have influenced the growth and development of the modern European Powers. 12 weeks' credit. A senior elective.

MR. WOOD.

105. The Geography of South America. A study of the relation of the continent to the world as a whole; the physical features, climates, and resources of the continent, and their influences upon the development, life, and prospects of the several countries; the geographic conditions affecting commercial relations between North America and South America. Lectures and supplementary reading. Senior elective.

Note.—If the program does not permit regular enrollment in this course, much that will be of benefit in the teaching of the continent can be gained from visiting the course systematically. 12 weeks' credit.

MISS HARRISON.

108. Commercial Geography. A study of the materials of commerce and industry, the geography of the occupations, and the economic geography of the leading commercial nations. A course adapted to the needs of high-school teachers. 12 weeks' credit.

MR. WILCOX.
PHYSICAL EDUCATION
HISTORY

102. United States History—Middle Period. Special emphasis will be placed on the causes and conditions leading to the Civil War, beginning with the first quarter of the nineteenth century. The Reconstruction Period will furnish material for intensive study of source materials and an analysis of economic readjustments. The tariff must be understood to read current history intelligently; this period furnishes the background. Elective. 12 weeks' credit. DR. MIDDLEBUSH.

105. Modern Europe Since 1815. Beginning with a review of the Congress of Vienna, the course plans the interpretation of today in terms of the more immediate past. The cause of the Great War, its many aspects, particularly economic, will prove interesting matter for study. Elective. Not open to first-year students. 12 weeks' credit. DR. MIDDLEBUSH.

106. Greek History. A brief sketch of the political history of Greece, with emphasis upon Greek civilization and its expansion. 12 weeks' credit. MR. VAN BUSKIRK.

115. Sociology. An elementary study of social laws and forces. Particular emphasis is placed on the ethical side of the individual's relation to society. Special reports on personal investigations of local conditions will be asked of each member of the class. The collateral reading will be mainly in current magazines on subjects suggested by the course. Elective. Not open to first-year students. 12 weeks' credit. DR. BURNHAM.

HOUSEHOLD ARTS

FOODS AND COOKERY

107. Cookery. This course offers practical work in the cooking of all classes of foods, such as cereals, vegetables, meats, eggs, breads, pastry, salads, and desserts. Breakfasts, luncheons, and dinners are planned, cooked, and served by the group. Open to all students. 6 weeks' credit. MISS MOORE.

108. Home Dietetics. The object of this course is to teach the group proper selection, nutritive value, and preparation of food, and the importance of a well balanced diet for adults and
children. Planning and serving of meals. Open to all students. 6 weeks’ credit. 

MISS MOORE.

CLOTHING

107. Clothing. A combination of machine and hand work in the making of a three piece set of underwear. Discussion of pattern making and materials. Making of fundamental stitches and various methods of finishing undergarments: General repairs, and renovating of clothing. MISS BERGEN.

108. Clothing. Study of line and proportion of figure, and clothing design in relation to general fitness. Study and designing of simple waist and skirt patterns, and making of cotton dress. Four demonstration lectures on problems and general processes in home millinery, including making, remodeling, and covering of buckram frames, and the fundamentals in wire frame work. MISS BLAIR.

109. Clothing. General survey of textile production and manufacture including: outline study of four textiles; study of manufacture and identification of common fabrics in general use as an aid in household buying; experiments in laundering, dyeing, general renovating, and make-over problems. 6 weeks’ credit. MISS BLAIR, MISS BERGEN.

INDUSTRIAL ARTS

101. Woodshop. An introduction to the fundamentals of woodworking. Includes elementary working drawing, blue-print reading and the selection, care and use of the suitable tools, materials, and supplies. Shop Fee, $3.00. 12 weeks’ credit. MR. SHERWOOD.

102. Woodshop. A continuation of course 101 but also open to those students who have had suitable preparation in the elements of woodworking. More advanced work in wood including methods and principles of construction and joinery, care and use of woodworking machinery and wood finishing. Considerable emphasis is placed upon the keeping of shop notes and job cards. Incidental Fee $1.00. 12 weeks’ credit. MR. SHERWOOD.
117. Mechanics of the Automobile. This is a course given in conjunction with the Department of Physics. It discusses such problems as strength of materials as illustrated in the design and construction of the chassis; gas engines, both two cycle and four cycle; ignition, magneto, and battery, and in connection with the last, a careful study of the various types of storage batteries; radiation as illustrated by the cooling system, and carburetion as illustrated by the various types of carburetors. So far as is possible the theory work will be illustrated with suitable apparatus and materials supplemented with diagrams and drawings. Open to students who have had high-school physics. 12 weeks' credit. MR. FOX and MR. SHERWOOD.

108. Mechanical Drawing. Elementary course for those who have had no previous work in drawing. 12 weeks' credit. MR. BOWEN.

109. Mechanical Drawing. Teachers' course in principles of orthographic projection. Work in projection of lines, surfaces, and solids. 12 weeks' credit. MR. BOWEN.

110. Mechanical Drawing. Surface development and intersections; isometric and oblique projection. 12 weeks' credit. MR. BOWEN.

111. Machine Drawing. Screw threads, detail and assembly drawing. Shop symbols and conventions. 12 weeks' credit. MR. BOWEN.

111-M. Machine Drawing. Kinematics, plotting mechanical motions, laying out gears and cams, molding cutters, etc. 12 weeks' credit. MR. BOWEN.

112. Architectural Drawing. Elementary course in lettering, architectural symbols and conventions, details of building construction, planning a summer cottage. 12 weeks' credit. MR. BOWEN.

112-A. Architectural Drawing. Complete plans and elevations of a modern eight room house. Perspective, details, and specifications and estimates. 12 weeks' credit. MR. BOWEN.

NOTE: Classes in elementary and advanced machine-shop work, forging, woodturning, pattern-making and concrete con-
struction will be offered if classes of five persons are enrolled for any course.

LATIN

101A Beginners' Latin. The elements of Latin grammar and some connected reading. The work will be planned in such a way that the first-year course may be completed by correspondence. Two recitations daily. 12 weeks' credit. MISS ZIMMERMAN.

107. The Teaching of High-School Latin. The problems of high-school Latin, such as its justification, methods of instruction, textbooks, equipment for a high-school Department of Latin, an adequate library, the background necessary for the teaching of Caesar, Cicero, and Virgil, will be discussed with the help of books and articles on the subject. A system of filing cards on such subjects as Roman history, Roman political institutions, and mythology, for the use of high-school students, will be worked out by the class. A well-equipped Department of Latin and library will be at the disposal of students. Those who desire to do some actual teaching will be given an opportunity to teach in the beginners' Latin class. Two hours daily. 12 weeks' credit. MISS ZIMMERMAN.

LIBRARY

101. Library Methods. General work consisting of daily discussion of children's books, use of lists and bibliographies, and of reference books most helpful in all departments of school work. The purpose of the course is to give the teacher standards of comparison in the purchasing of school libraries, and a working knowledge of books as tools. 6 weeks' credit. MISS FRENCH.

MATHEMATICS

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 methods of teaching the subject. Assigned readings and classroom discussions form a prominent part of this work.

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

102. College Algebra and Analytic Geometry. Rectangular and polar co-ordinates, simultaneous linear equations, determinants, relations between straight lines. 12 weeks' credit. MR. EVERETT.

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. MR. BLAIR.

105. Calculus. An elementary course in differential and integral calculus. Presupposes Course 104b, or the equivalent. 12 weeks' credit. MR. BLAIR.

NOTE: If the demand is sufficient this course will be followed by an Extension course in Kalamazoo during the school year 1919-20, that will complete the work ordinarily covered by a class in second-year college mathematics.

MUSIC

In view of the increased interest in community singing in connection with educational institutions and public affairs a number of sings will be held during the Summer Term. These programs will be interspersed with available solos, quartettes, etc.

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. 6 weeks' credit in Music, and in Art and Music courses. 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 SAGE.

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.

108. 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, taken from the best composers of children's songs, will be learned. The care of the child's voice will be considered. Ability to play the rhythmic studies and accompaniments is desirable and is required from specializing students in the Early Elementary and Music courses. Observation may be made in the Training School. 6 weeks' credit.

MISS ALLEN.

SPECIAL SUPERVISORS' COURSES

109. Harmony and Ear-Training. This course is offered to meet the demand of the work in ear-training, melody writing and elementary harmony in the upper grammar grades and high school. 6 weeks credit.

MR. HENDERSON.

113. Musical Appreciation and Biography. This course will cover the lives and works of the great masters from Bach and Handel down to the present time. Biographical notebook and programs suitable for grades and high school will be worked out. The victrola will be used in this course. 6 weeks' credit.

MR. MAYBEE.

114. Advanced Harmony and Musical Composition. This course consists of a review of elementary harmony, and of ad-
vanced work. It should be preceded by a year's work in elementary harmony. This course will be of exceptional value for supervisors of music. 6 weeks' credit. MR. HENDERSON.

Orchestra. All who have instruments and wish to join the Normal School Orchestra will find it both pleasant and profitable. MR. MAYBEE.

129. Song Interpretation. This course is designed to meet the demand for new material to be used in the grades and high school. Song interpretation will be a feature of the work. 6 weeks' credit. MR. MAYBEE.

PENMANSHIP

The aim of this course is to give the student a knowledge of method and technic in penmanship as well as to develop a practical style of writing.

Students preparing for the county examinations should consult with their commissioners in order to find out whether or not it would be advisable for them to enroll for penmanship in the Summer School.

A credit in penmanship is now required of all candidates for normal-school certificates in this state. The work done in the Summer Term will count on that credit. Persons who have credits for penmanship from other institutions or who hold a Zaner or Palmer certificate should present the same for consideration on entrance. MR. GREENWALL.

PHYSICAL EDUCATION FOR WOMEN

101-102. Physical Education. This course consists of Swedish and German gymnastics, advanced light apparatus work and folk dancing, games for outdoor and indoor use. 6 weeks' credit in Physical Education. Combined with either Tennis or Swimming, 12 weeks' credit and equivalent to 101 or 102 of the regular school year. MISS HUSSEY.

103-104. Physical Education. This course presupposes Physical Education 101-2. It consists of more advanced work in all lines. Students are given opportunity to arrange lessons and
conduct classes. 6 weeks' credit in Physical Education. Combined with either Tennis or Swimming, 12 weeks' credit and equivalent to 103 or 104 of the regular school year.

MISS GUIOT.

105. Physical Education. Playground Organization 123 may be substituted.

123. Playground Organization. The theory of the growth and advancement of playgrounds with attention to their organization, laying out of grounds and choice and arrangement of apparatus is given due consideration. Play activities from the simplest form to the highly organized competitive games are carried on in the gymnasium. 12 weeks' credit.

MISS GUIOT.

Instruction in Tennis will be given each morning at 7 o'clock.

Instruction in Swimming will be given Monday, Tuesday, and Wednesday.

NOTE: All students taking courses in Physical Education must pass a medical examination by the school physician.

A gymnasium suit is required for courses 101, 102, 103, 104. (White middy, dark bloomers, and black gymnasium shoes).

PHYSICS

100a. Physics. The work covered in this course is equivalent to the work in Mechanics usually given during the Fall Term. It is one-third of the year's work in General Physics. This course is especially designed for students who wish to work for a degree and who can attend the summer sessions only. The remaining two courses to make up the year will be given during succeeding summers. Students electing this course should accompany it with trigonometry unless they have already had this subject. The work will consist of lectures, recitation, and laboratory work by the student. Two hours daily. 12 weeks' credit.

MR. FOX.

Photography. An excellent opportunity will be given students to master the art of photography. The dark room will be open to them at stated times.
105. Mechanics of the Automobile. This is a course given in conjunction with the Department of Industrial Art. It discusses such problems as, strength of materials as illustrated in the design and construction of the chassis; gas engines, both two cycle and four cycle; ignition, magneto, and battery, and, in connection with the last, a careful study of the various types of storage batteries; radiation, as illustrated by the cooling system; and carburetion, as illustrated by various types of carburetors. So far as possible the theory work will be illustrated with actual materials supplemented with diagrams and drawings of parts. Open to students who have had high-school physics. 12 weeks' credit. MR FOX, MR. SHERWOOD.

RURAL EDUCATION

A belief is rapidly becoming common that teachers of rural schools must be asked to meet, as rapidly as circumstances allow, the requirements in scholarship and professional training demanded for good elementary school teaching anywhere.

Courses of training for rural teachers are already in print which definitely outline four years' preparation beyond the high school. It will take some years to reach this standard, but requirements of one-year and two-year training courses are immediately at hand. Young people who expect to teach should not miss the significance of these facts.

Three courses are offered here for the preparation of rural school teachers:

1. A Life Certificate in Rural Education may be secured by high-school graduates after an attendance of two years. Many village and country districts are now paying salaries which enable them to demand full life certificate preparation on the part of the teachers they employ.

2. A Limited Certificate good in Michigan schools for three years may be secured by high-school graduates after an attendance of one year and one Summer Term.

3. A Limited Certificate requiring certain specified subjects and total credits equivalent to a four-year high school is given. Graduates of the limited courses are in demand at salaries which their preparation justifies them in asking.
The foregoing courses are administered by a special Department of Rural Education in which due consideration is given to questions of advantageous enrollment for students beginning their preparation; for graduates of County Normal Training Classes, who wish more preparation for teaching rural schools, or who seek the second renewal of their certificates; for teachers who may wish to change from town or city to rural teaching; for teachers of experience who wish to prepare to teach in County Normal Training Classes; and for teachers who have taken limited normal-school courses for rural teaching and desire to go on. Consultation with the director of this work should be sought.

The subjects of study offered in this department, may be briefly summarized in three groups: first, such as give a knowledge of children and of their organization, management, and instruction; second, such subjects as give power for localizing the curriculum in natural, industrial, domestic and health illustrations and applications; and third, a group of subjects intended to develop social intelligence and purposes of participation and leadership in rural community life. Details of subjects not given here will be found described in the departments to which they belong.

The State Department of Public Instruction requires that all teachers shall have at least six weeks professional training. To meet this need two courses are offered: (1) School Management and Law and (2) Rural School Methods and Observation. These are credit subjects and are also intended to aid those who are preparing for the August teachers' examination in three regular examination subjects: Theory and Art, Course of Study, and School Law. These courses combined count for 18 weeks' credit toward a life certificate.

101. 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 who own books on school management and related subjects should bring them. "The Vitalized School" by Pearson will be reviewed. 6 weeks' credit.

MISS GREEN, MR. LIVERMORE.
102. **Rural School Methods.** This is the course in Principles of Teaching adapted to the needs of summer-school students, who expect to teach in the country. Observations will be made regularly in the training school on the campus and in the rural training school at Oakwood. Special emphasis will be given to the teaching of reading. 12 weeks' credit.

MISS SKINNER  MISS WILLIAMS  MISS LEONARD  MISS ENSFIELD

The Rural Demonstration School at Oakwood will be in session each forenoon of the 2d, 3d, 4th, and 5th weeks of the term. Teaching in elementary grades will be demonstrated. The Oakland car south from the Normal School goes directly to Oakwood. Observers may come and go at any time, but are urged to use all possible care to avoid distracting the attention of the pupils. MISS MUNRO.

102. **County Training Class Problems.** Demonstration of rural-school teaching will be observed in the Oakwood Rural School. There will be observation in the Training School, and the specific questions of the organization and teaching of County Normal Training Classes will be considered in round-table conferences. 6 or 12 weeks' credit. MISS CARTER.

201. **Rural Education.** A study of the organization, administration, and curricula of rural schools. The present status of industrial subjects and instruction in health essentials and recreation will be considered. Especial effort will be made in this course this summer to make any county commissioners, who are just beginning their official work and who elect the course, acquainted with plans for their work which experienced commissioners have found successful. This course is open to Extension students. 12 weeks' credit. DR. BURNHAM.

203. **Rural Sociology.** A study of social relations and the agencies for social progress in country neighborhoods and villages. The place of the school in community welfare is the large question considered. A collection of source materials illustrating the cooperation of teachers and schools in local community activities is used. This course is open to Extension students. 12 weeks' credit. DR. BURNHAM.

**NOTE:** Given in connection with Sociology 115.
SPANISH

101a. Beginning Spanish. Course covering the elements of Spanish grammar in conjunction with a great deal of oral work in class. MR. DES MARAIS.

SPEECH

101. Reading. This 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 SHAW.


TRAINING SCHOOL

The first, third, fourth, fifth, sixth, and seventh grades of the Training School will be in session from 8 to 11 a.m. each day for the six weeks of the Summer Term, to accommodate those who wish to observe teaching in the grades. A few of those finishing Life Certificate courses will be allowed to do practice teaching. The regular supervisors, special teachers in drawing, music, industrial arts, physical training, and household arts, will have charge of this work. The work will aim to present proper material for use in the various subjects of the curriculum, such as nature-study, geography, reading, 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. Commissioners may arrange with the director for reports of attendance of their teachers. Observation will be required in connection with the courses in Principles of Teaching and Rural School Methods. In addition to the observation in the Training School, observation in the Rural Observation School will also be required. Each supervisor will reserve the eleven o'clock hour for conference and general discussion with the observers in the grade.
It is expected that students observing for credit will attend at least one conference each week.

Students taking observation in any course for credit should fill out cards in the office of the Training School as soon as their regular enrollment is completed. These cards must be returned to the Director of the Training School before any credit can be given.

MR. ELLSWORTH AND SUPERVISORS.