1917

Summer Term of the Western State Normal School 1917

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SUMMER TERM

OF THE

Western
State Normal School

KALAMAZOO, MICHIGAN

Monday, June 25, to Friday, August 3
1917
FACULTY OF THE SUMMER SCHOOL
1917

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

LAVERNE ARGABRIGHT, Critic Cass County Normal,
Management and Method.

MAUDE BAUGHMAN, English.

ALICE BLAIR, B. S., Domestic Art.

HAROLD BLAIR, B. S., Mathematics.

ARTHUR BOWEN, Manual Training.

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

MINNIE CAMPBELL, Training School.

BERTHA S. DAVIS, Public School Music.

SUSIE M. ELLETT, A. B.,
Management and Method.

F. E. ELLSWORTH, Director of Training School.

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

LUCY GAGE, Kindergarten Education.

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

EMELIA M. GOLDSWORTHY, Public School Art.

GERMAINE GUIOT, Physical Education.

H. E. HAMMOND, A. B., Kalamazoo High School, Physics.
FRANCES HASKELL, 
Physical Education.

H. GLENN HENDERSON, 
Public School Music.

T. P. HICKEY, A. B., 
History.

JOHN C. HOEKJE, A. B., 
Psychology.

E. D. HUNTINGTON, B. S., 
Biology.

MARGARET HUTTY, 
Domestic Science.

C. D. JENNINGS, High School, St. Joseph, 
Arithmetic.

F. A. JENSEN, A. M., Supt. of Schools, Benton Harbor, 
School Administration.

BERTRAND L. JONES, A. M., 
English.

ELEANOR JUDSON, 
Art.

FRANCES R. KERN, B. S., 
Kindergarten Education.

L. L. LIVERMORE, County Commissioner, Branch County, 
Review Grammar.

M. W. LONGMAN, A. M., Supt. of Schools, Owosso, 
Mathematics.

VERA LUTJE, A. B., 
History.

LLOYD MANLEY, 
Manual Training.

HARPER C. MAYBEE, 
Public School Music.

FRED A. MIDDLEBUSH, Ph. D., 
History.

RUTH MILLER, A. B., 
Training School.

MRS. EUNICE MORRISON, Director County Normal, Coldwater, 
Management and Method.

KATHERINE MULRY, 
Training School.
MARY H. MUNRO, A. B.,
Rural Observation School.

ELEANOR RAWLINSON, Union High School, Grand Rapids,
English.

SAMUEL RENSHAW, A. B.,
Education.

PAUL ROOD, A. B.,
Chemistry and Physics.

E. V. ROOT, Commissioner of Schools, Van Buren County,
Agriculture.

LOUSENE ROUSSEAU, A. B.,
Expression.

EDITH SEEKELL,
Training School.

F. E. SELLERS,
Mathematics.

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

MARGARET SPENCER,
Public School Art.

LAVINA SPINDLER, Dean of Women,
Methods.

GEORGE SPRAU, A. M.,
English.

IRENE STEELE,
Training School.

ELAINE STEVENSON,
Public School Art.

EMILIE TOWNSEND, B. S.,
Training School.

GEORGE S. WAITE,
Manual Training.

CAROLINE WAKEMAN, A. M.,
History.

SUSAN WALSH, Director County Normal, Ionia,
Management and Methods.

MILDRED WILLIAMS, A. B., Director County Normal,
Croswell,
Management and Methods.

CHARLES C. WILCOX, A. B., Kalamazoo High School,
Geography.
W. G. WISELY, Benton Harbor High School,  
Penmanship.
L. H. WOOD, A. M.,  
Geography.
ELISABETH ZIMMERMAN, A. M.,  
German.

LIBRARY

ESTHER BRALEY, A. B.
ANNA L. FRENCH
AMELIA ANDERSON

OFFICES

KATHERINE NEWTON
NATALIE E. MURPHY, A. B.
BERNICE HESSELINK
MARIE C. COLE
LEAH SMITH

STANDING COMMITTEES, 1916-17

The President is ex-officio a member of each committee.
Appointment Committee—Ellsworth, Hickey, Spindler, Burnham,  
Hoekje.
Athletics—Hickey, Renshaw, Spaulding.
Extension—Spindler.
Program, Records, and Schedules—
  Life Certificate and Graded School Courses—Sprau, Spindler.
  Junior and Senior Cards—Newton.
  Recorder—Murphy.
  Entrance Requirement—Hickey.
  General Life Course, Juniors—Zimmerman.
  General Life Course, Seniors—Jones.
  High School Life Course—Sprau.
  Graded School Course—Wood.
  Extension Course—Spindler.
  Art—Goldsworthy.
  Domestic Art—Blair.
  Domestic Science—Hutty.
  Kindergarten—Gage.
  Manual Arts—Waite.
  Music—Maybee.
Physical Education—Guiot.
Rural Education—Burnham.
High School—Blair, Baughman.

Note.—Application for advanced standing should be made to the chairman of the life certificate and graded school courses, the chairman of the rural education course, and the chairman of the high school course.

Extra Studies—Sprau, Burnham, Blair.
Health—Jones, Guiot, Goldsworthy, Renshaw.
Social Life—Davis, Ellsworth, Hoekje, Haskell, Spindler.
Y. W. C. A.—Spindler, Spencer.
Y. M. C. A.—Hoekje, Hickey.
Summer Term of the Western State Normal School

THE fourteenth annual summer term of the Western State Normal School will open June 25, 1917, and continue six weeks, closing August 3. Students will be enrolled and classified on Monday, June 25, and classes in all departments will begin recitations on Tuesday, June 26. 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 in 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-five 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 Railway Company give trolley connections with the eastern part of the State via Battle Creek and Jackson. The new electric line connecting Grand Rapids and Kalamazoo gives excellent service to all points between these cities. On the various railways nearly one hundred trains arrive and depart daily giving excellent connections with all the surrounding territory.

The advantages of Kalamazoo as a place if 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 widely known for its diversified industries and educational advantages.

PURPOSE OF THE SCHOOL

The purpose of the school as constituted by law is to prepare teachers for the public schools. The work of the Normal 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 aims of education are character and service. 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 co-operation between faculty and students in enterprises and interests of the school is 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 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 and those who plan to teach during the coming year. Courses of study, plans of work, methods of instruction, will be shaped to the needs of teachers engaged in the profession.
BUILDINGS

1. Administration Building. This structure contains, in addition to the administration offices, fourteen class rooms, an assembly room, and the library and reading room. The Normal 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 training building is a fine structure of two stories and a basement. This structure, 118 feet long and 100 feet wide, is one of the best planned of its kind in the country. In completeness and convenience the building is a model. The kindergarten, 1st, 3rd, 6th, and 7th grades will be in regular session each forenoon during the entire term, affording students opportunity for observation. The training school building will also provide recitation rooms for review classes.

3. Gymnasium. The gymnasium is the largest among the normal schools of the country. 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, 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 fully equipped will be in general use during the summer term. It 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 rooms 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 recitation rooms 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. Manual Training. The department of manual training has good quarters in the manual training building of the public school system of Kalamazoo. Additional facilities are provided in three well equipped rooms and shops in the normal school buildings.
THE LIBRARY

The library numbers 15,600 volumes. It includes good working material of recent date, as book purchases have all been made within twelve years. The departments of Psychology, Education, Science, Domestic Art and Science, Music, Literature, History are well represented.

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

A representative selection of children's books is furnished by the State Library, which supplements 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 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 $3.00 for all students who reside in Michigan. For those living outside of Michigan the fee is $5.00. 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; the average cost of board from $3.50 to $4.50 per week.

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 Health department, is one of the healthiest cities in the country. Its splendid water supply and efficient health department marks 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 CLUB ROOM

A "Students' Club Room" located in the Administration Building is used by the young women for quiet study or rest between classes.
DEAN OF WOMEN

The Dean of Women wishes to be of real service to the young women of the school. They are requested to report all cases of illness to her, and should consult her freely upon any topic that concerns their general welfare.

THE NORMAL CO-OPERATIVE STORE

The Normal Co-operative Store which has been in operation during the past four 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 $13,000.

THE KALAMAZOO NORMAL "RECORD"

The Record serves as a clearing house for the educational activities of the Normal. Timely articles on present questions are contributed by members of the faculty. The Training School, the departments of Art, Domestic Art and Science, Education, English, Expression, German, History, Kindergarten, Mathematics, Music, Physical Training, and Science furnish many articles of great practical value to teachers. This material is usable and serviceable as it is the record of successful work in the Normal itself. The subscription price is fifty cents a year. The Record is now published quarterly as a forty-eight page magazine. Inquire at the office for samples of one of the numbers issued in 1916-1917.

THE WESTERN NORMAL "HERALD"

The Herald, the official weekly publication of the Normal 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, through 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 are also 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 and 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 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 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, 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: Tuesday, July 3—General Student Party—Johnson’s Orchestra; Thursday, July 26—General Student Party—Johnson’s Orchestra.

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.

Meetings will be held every other week in the Students’ Club Room beginning with the second week, during the summer term.

These meetings will be held Monday afternoon at 4 o’clock, preceded by a social session from three to four o’clock, when tea will be served.
All young women of the school are invited to attend these meetings.

Y. M. C. A.

The Young Men's Christian Association was organized during the past year for the purpose of affording opportunities in Bible study and other forms of spiritual culture. Meetings will be held during the summer term as will be announced by the committee in charge from time to time.

NEW LAW REQUIRES PROFESSIONAL TRAINING

A law passed by the Legislature of Michigan in 1915 provides that after July 1, 1916, all beginning teachers in the public schools of Michigan must have completed not less than six weeks of professional training. Students graduating from Michigan high schools who are planning to teach may satisfy this requirement by attending the summer school of the Western Normal and securing credits in subjects specified by the Superintendent of Public Instruction.
Courses Offered

The courses offered in the summer term are as follows:
1. Regular certificate.
2. Review.
3. Extension.
4. Lecture.

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, Graded, and Rural 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 the department of Art, Commercial Work, Domestic Art and Science, Education, English Language and Literature, Expression, Geography, German, History and Civics, Library Methods, Manual Training, Mathematics, Music, Physical Training, and Science.

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. 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 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 subject in which review 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 this summer school urgently recommend that teachers and students preparing for county examinations elect, when possible, regular certificate courses.

DEPARTMENT OF RURAL EDUCATION

A belief is rapidly becoming common that teachers of rural schools must be asked to meet, as rapidly as circumstances will 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 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 of study are offered here for the preparation of rural school teachers:

A Life Certificate in Rural Education may be secured by high school graduates after an attendance here of two years. Students are compensated for the expense involved in two years' schooling by wages ranging from $60 to $100 per month, and districts paying such wages seem warranted in demanding full life certificate preparation on the part of teachers they employ.

A Certificate in Rural Course I good in any school in Michigan for three years in all grades up to the tenth may be secured by high school graduates after an attendance of one year and one summer term. The graduates of this course may justly anticipate consideration by districts paying $50 to $60 per month.

A Certificate in Rural Course II good in one, two and three-room schools for a limited time may be secured by graduates of the 11th grade after an attendance of one year. Some young people cannot raise the money for a larger investment in preparation than this to begin with and they are seeking the best schools they can secure on the basis of such preparation as they have been able to get.
The foregoing courses are administered by a special department of rural education in which 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 are given due consideration. 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, and domestic illustrations and applications; and third, a group of subjects intended to develop social intelligence and inspire purposes of participation and leadership in rural community life. Details are given in descriptions of subjects in subsequent pages.

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 and third weeks of the term and the last two days of the last week. The Commissioners will announce rooms and hours for meeting with teachers from their counties, who may wish to consult them. Conferences on questions of county administration and supervision are being arranged by a committee. The programs in detail for these meetings will be sent to Commissioners, when the committee completes its work.
NORMAL EXTENSION DEPARTMENT

Through the Extension Department the Western State Normal School offers opportunities for home study 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. All subjects are equivalent as nearly as may be to corresponding subjects in residence.

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

THE EXTENSION LIFE CERTIFICATE COURSE

In 1905 the State Board of Education 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) not less than two years of non-resident work.

The Western State Normal School from its foundation, has permitted properly qualified students to avail themselves of this opportunity.

The purpose of this arrangement has been to meet the needs of those who are otherwise deprived of opportunities for growth and advancement. The fear 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 an increase in 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 certificate course in residence.

A higher grade of work is necessary to satisfy extension course requirements than of average residence courses. 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.
LECTURES

WEDNESDAY, JUNE 27
Dr. Charles H. Judd, director of the School of Education, University of Chicago, will address the summer school. The topic will be "Elementary Reading and Recent Scientific Studies." Dr. Judd has lectured before the summer school on three former occasions and his return will be hailed with delight by all who are acquainted with his work. He is one of our great educational leaders, and is easily one of the most attractive speakers of our day.

TUESDAY, JULY 3
Professor C. H. Van Tyne, of the University of Michigan, will give an illustrated lecture on "Physical Barriers and Economic Attractions Which Have Affected the Western Movement in the United States." Professor Van Tyne is one of the foremost teachers of American History in this country and has an enviable reputation as a clear and entertaining speaker.

MONDAY, JULY 9
Professor R. M. Wenley, of the University of Michigan, will lecture on "The Good European—His Past and Present." Professor Wenley is a brilliant thinker and a most entertaining lecturer. Students who heard him a few years ago will heartily welcome this second visit to the Normal.

CHAUTAUQUA
For the fifth successive year the Redpath Chautauqua will be held on the Normal grounds the fifth week of 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. A special half rate for admission will be made for the students. The ticket which costs $1.25 gives admission to the entire program.
Courses bearing numbers from 1 to 99 are offered in the Review and High School Courses; those from 101 to 199 receive credit in the Rural, 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

RURAL, 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 STEVENSON.

102. Perspective and Blackboard Work. 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 JUDSON.

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 book-binding. This course may be taken without previous courses in Art. 12 weeks' credit. MISS SPENCER.

109. Blackboard Sketching. Art 101 or its equivalent a prerequisite.

This course will give teachers a training that will help them illustrate all subjects by sketching freely on the black-
board. It will include exercises in technique, trees, fruits, flowers, birds, and animals; and illustrating work in reading, nature study, geography, etc. 12 weeks’ credit.

MISS GOLDSWORTHY.

BIOLOGY

REVIEW 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 textbooks. Five of the county examination questions in physiology and hygiene will be based upon the Reading Circle book—Health Work in the Schools, by Hoag and Terman. MR. HUNTINGTON.

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. MR. ROOT.

12. Agriculture. A review course designed to prepare teachers for the fall examination. This course will cover the whole general field of agriculture, dwelling on those phases which seem practical. Students should bring whatever agricultural text books they have for reference. High School Agriculture by Mayne and Hatch will form the basis of the course. MR. ROOT.

RURAL, GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

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 matters, 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 identi-
lication 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. 12 weeks' credit.

MR. HUNTINGTON.

CHEMISTRY

GRADED AND LIFE CERTIFICATE COURSES

2 and 102. General Inorganic Chemistry. This course covers
the second term's work. Laboratory work is required. Twice
daily, 12 weeks' credit.

MR. ROOD.

108. Chemical Nature Study. This course is designed to
give the student some knowledge of chemical facts and experi-
ments that may be of use in the grades. No previous knowl-
edge of the subject is required. Twice daily, 12 week's credit.

MR. ROOD.

Note: If there are enough students wishing to begin chem-
istry (Courses 1 and 101) a class will be organized. If there
are students wishing special laboratory work they will be, as
far as possible, accommodated.

DOMESTIC ART

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

MISS BLAIR.

103b. Dressmaking. This course aims to give the student a
practical understanding of simple drafting and designing best
suited to the individual, and of the making, fitting and finishing
of simple garments. Each student will make a shirt waist and
tailored skirt of cotton or linen material and a simple lingerie
dress. 6 weeks' credit.

MISS BLAIR.
DOMESTIC SCIENCE

107. Cooking. Practical work in the cooking of all classes of foods, such as cereals, vegetables, meats, eggs, bread, pastry, salads and desserts. 6 weeks' credit. MISS HUTTY.

108. Cooking. This course will be given if a sufficient number enroll. The work includes the planning, cooking, and serving of meals at various costs. 6 weeks' credit. MISS HUTTY.

EDUCATION

RURAL, GRADED SCHOOL, AND LIFE CERTIFICATE

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 who own books on school management and related subjects should bring them. This course is intended to aid all who are preparing for the August county teachers' examinations, in three regular examination topics: Theory and Art, Course of Study, and School Law. 6 weeks' credit. This course will be combined with the course in Method and Observation for an eighteen weeks' credit toward a Normal School certificate. MISS ELLETT.

MISS ARGABRIGHT.
MISS GREEN.
MISS MORRISON.
MISS WALSH.
MISS WILLIAMS.

107. Introductory Psychology. This is a course for beginners. It is required of all students in Graded and Life Certificate Courses. It is designed to acquaint the student with the normal human mental processes and their antecedents which serve as the basis for the student's later work in education. A training course in the psychological laboratory supplements this work. 12 weeks' credit.

MR. HOEKJE AND MR. RENSHAW.

107. Educational Psychology. (Advanced Psychology.) Introductory Psychology 101 is a prerequisite for this course. This course deals primarily with a careful and systematic
analysis of the major educative processes with the view of leading the student to a more comprehensive grasp of the conditions and factors which bear upon the learning operation. A training course in the psychological laboratory supplements this work. 12 week's credit.

MR. HOEKJE AND MR. RENSHAW.

106. History of Modern Education. This course traces the development of the modern school in its relation to other social organizations. Especial attention is given to the historical conditions and to the men most significant in current educational practice, 12 weeks' credit. MR. JENSEN.

108. Secondary School (High School) Problems. This course is designed especially for teachers of secondary grades (7 thro 12) and Superintendents and Principals. It deals primarily with the specific problems of secondary (high school) education arising in connection with the curriculum. The social life of adolescence, the administration of the institutional life of the school, and the vocational significance of the various school subjects are considered. Special reports, oral and written, and free class discussion are required and encouraged. This course is required of all students in High School Life Courses. Introductory Psychology 101 is a prerequisite for this work. 12 weeks' credit. MR. JENSEN.

116. Rural Education. A study of the organization, administration and curricula of rural schools. The possibilities of industrial subjects in rural schools will be considered. Lectures, class discussions, and special reports will be supplemented by conferences to be announced in which visiting lecturers and others will participate. Elective. 12 weeks' credit. DR. BURNHAM.

117. Clinical Psychology. The Psychological Clinic of the Western State Normal School is a general orthogenics Clinic. Here all the standard tests and measurements for the intellectual and mental examination of the child are to be had. The examinations are made by a physician of practical experience and by a psychologist trained in Clinical work with children. There will be class instruction and Clinical work in which the student will have the opportunity of observing the direct handling of cases. Preliminary psychological training
is a prerequisite. No one will be admitted to the work except upon direct application. The class will be limited in number. There will be no special fee beyond that for materials actually used by the student. 6 weeks' credit.

MR. RENSHAW.

Note: Provided a sufficient number are interested, this course will be organized. Persons interested should address before the opening of the summer term:

The Psychological Laboratory,
Western State Normal School,
Kalamazoo, Mich.

125. Educational Measurements. This is an elective course open to all who wish to become familiar with the modern methods of measuring the work of the pupils in the schools. Practice is given in using such scales and tests of measurement of school work as the Courtis Tests in Arithmetic, the Thorndike and the Ayre's Scales in Penmanship, the Hillegas Scale in English Composition, the Starch and Kansas Test in Reading, etc. 6 weeks' credit.

MR. HOEKJE.

ENGLISH

REVIEW, RURAL II., AND HIGH SCHOOL COURSES

7. Review 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 regular course in grammar, English 104. Three of the county examination questions in grammar will be based on the Reading Circle Book, Stories and Story-Telling, by Keyes.

MR. LIVERMORE.

98. Classics. This course is intended for high school students who need to earn a credit in English, and for teachers who have not had a high school course and need more work in literature. The time in class is spent in reading several classics. This work is supplemented with outside reading. 12 weeks' credit.

MISS BAUGHMAN.

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. Credit in this course is accepted in Rural II course as part credit in Third-Year High School English. 12 week's credit.

MISS BAUGHMAN.

RURAL I., GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

101. Composition. A study of word usage, the sentence, and the paragraph, with critical work in punctuation, general manuscript details, and proofreading. Formal study in exposition. One or more detailed outlines for original expositions of some length are required. Individual consultations and criticisms on all written work. The chief aim of the course is to stimulate genuine thinking on the part of the student. Required in Graded School and all Life Certificate courses. All students in this course must meet the requirements of proficiency in spelling. 12 weeks' credit.

MR. JONES.
MR. SPRAU.

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. Teachers' Grammar. (Course 101 prerequisite.) This course will include a brief consideration of the history of the teaching of English grammar, and a series of studies such as:

1. To what extent does the finite verb agree with the subject?
2. The so-called "short circuit" in English syntax. (3) Advantages and disadvantages in the use of the diagram, with brief mention of different forms of diagramming. (4) The English word order and its influence on noun and pronoun construction. (5) Some false or misleading teachings in some modern school grammars. (6) Grammar in the elementary school. 12 weeks' credit.  

MR. JONES.

120. Contemporary Literature. Lectures, interpretative readings, and a thesis on some phase of contemporary literature. Students may not enroll for this course without the consent of the instructor. 12 weeks’ credit.  

MR. SPRAU.

**EXPRESSION**

**REVIEW COURSES**

1. Reading and Orthography. A careful study of the chapter on the teaching of reading in the Manual and Course of Study for County Normal Training Classes will be made, and Pat tengill’s Orthography will be reviewed.  

MR. LIVERMORE.

**RURAL, GRADED, AND LIFE CERTIFICATE COURSES**

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 ROUSSEAU.


105. Informal Speech. Aims to develop ease in speaking. Includes theory and practice of extempore speaking, prepara-
tion of argumentative speeches, and drill in parliamentary law. Special attention will be paid to the organization of material for high school oral English work. 12 weeks’ credit.

MISS ROUSSEAU.

GEOGRAPHY

REVIEW COURSE

5. Review Geography. This review course is planned to prepare for the examination in August. MISS TOWNSEND.

RURAL, GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

101. General Geography. This course is required of all whose general normal work includes geography as a required course. 12 weeks’ credit. MR. WOOD.

103a. The Geography of Europe. A course of illustrated lectures on the states of Europe, including Holland, Belgium, Denmark, Norway, Sweden, Switzerland, Greece, Bulgaria, and others, and also Palestine and Egypt. 6 weeks’ credit. MR. WOOD.

107a. Commercial Geography. Lectures and Recitations. 6 weeks’ credit. MR. WILCOX.

108a. The Geography of Michigan. 6 weeks’ credit. MR. WOOD.

104a. The Geography of South America. 6 weeks’ credit. MR. WILCOX.

110. The Geography of American History. 6 weeks’ credit. MR. WILCOX.

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. **Intermediate 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 or 12 weeks’ credit.  
MISS ZIMMERMAN.

115. **Teachers’ 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 the discussion of German texts in German and the writing of compositions and reproductions. 6 or 12 weeks’ credit.  
MISS ZIMMERMAN.

**HISTORY**

**REVIEW, RURAL II., 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 WAKEMAN.

13. **United States History.** A review course to meet the needs of students preparing for the August examination. Four sections will be formed and a credit of 6 weeks in Rural School course may be earned.  
MR. MIDDLEBUSH.

14. **Civil Government.** This course is planned primarily for students who wish to prepare for the August examination. Four sections will be formed. Bring any text books available.  
MR. MIDDLEBUSH.

**RURAL I., 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, including the various codes. Collateral reading. 12 weeks’ credit.  
MISS WAKEMAN.
102. Modern Europe, 1648-1815. Beginning with the reign of Louis XIV in France, the development of modern Europe is traced through the Napoleonic era: an essential background for an understanding of present day conditions. Extensive supplementary reading is required. 12 weeks’ credit. Alternate Summer terms, beginning with 1917. MR. HICKEY.

113. Rural Sociology. A study of social relations and the agencies for social progress in village and country. The place of the school in community welfare is the large question considered. Rural Course I and elective. 6 or 12 weeks’ credit. DR. BURNHAM.

KINDERGARTEN EDUCATION

109. Problems in Early Elementary Education. This course offers a study of the common aims and purposes underlying the education of children from four to eight years of age. The need of clearer understanding of problems peculiar to both kindergarten and primary grades will be met in a study of child development of this period and practices necessary to overcome gap now existing in present school organization.

Emphasis will be put upon what the child offers to the teaching situation and how it forms the only true basis upon which to build practice. 6 weeks’ credit. MISS GAGE.

Note.—Opportunity to observe in second grade under Miss Gage will be offered in connection with this course.

108. A Survey of Kindergarten Practices. This course will consider the practices of the modern kindergarten, offering opportunity for discussion of problems concerning games, rhythmic exercises, handwork, etc. Some consideration will be given to the more conservative practices and a comparison made between the two types of kindergartens. 6 weeks’ credit. MISS KERN.

Note.—Opportunity will be offered for observation in the kindergarten which will be in charge of Miss Kern, and this course will be open as a conference to students not desiring credit.
LIBRARY

TEACHERS' COURSE IN THE USE OF BOOKS AND CHILDREN'S LITERATURE

This course 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. General work consisting of daily discussion of children's books taken from the special library, use of lists and bibliographies. 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 NINA K. PRESTON, State Library Visitor.

102. Library Methods. 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 NINA K. PRESTON, State Library Visitor.

MANUAL TRAINING

The Manual Training Classes in Shop Work will be given in the new Kalamazoo Manual Training School and the new Science Building. The shops of the new buildings have been splendidly equipped with machinery for wood-turning, pattern-making, machine shop, and blacksmithing. During the summer term classes in Manual Training will visit some of the shops and industries of Kalamazoo and vicinity.

Classes in Forging and Machine Shop will be started if advanced enrollment seems to make it desirable.

LIFE CERTIFICATE COURSE


MR. MANLEY.
102. **Cabinet Making.** Advanced work in hand work. Construction of practical furniture, estimating costs, figuring stock bills, selecting lumber, and finishing. Prerequisite Course 101. Afternoons. 12 weeks’ credit. MR. MANLEY.

104. **Wood-turning.** Use of lathes and care of tools. Spindle, face plate, and chuck turning. Polishing and finishing of article made. Mornings. 12 weeks’ credit. MR. MANLEY.

105. **Pattern Making.** Solid, parted, and loose-piece patterns. Molding and casting of patterns made. Prerequisite Course 104. Afternoons. 12 weeks’ credit. MR. MANLEY.

108. **Mechanical Drawing.** Instruction is given in the use and care of instruments, penciling simple line exercises, inking in, lettering, problems in graphic geometry, working drawings of woodworking exercises, simple dimensions. 12 plates. Mornings. 12 weeks’ credit. MR. BOWEN.

109. **Mechanical Drawing.** Principles of orthographic projection, work in projection of lines, surfaces, and solids. Use of auxiliary plane, revolution of solids. Working drawings of woodturning and furniture projections. 15 plates. Mornings. 12 weeks’ credit. MR. BOWEN.

110. **Mechanical Drawing.** Surface developments, intersections, oblique sections, sheet metal drafting. Isometric and cabinet or oblique projection, sketching. 15 plates. Mornings. 12 weeks’ credit. MR. BOWEN.

111. **Machine Drawing.** Standard sections, assembly and detail drawings, screw threads and fastenings, standards and conventions. Afternoons. 12 weeks’ credit. MR. BOWEN.

112. **Architectural Drawing.** Architectural lettering, details of framing, roof, cornice, foundations, masonry, etc. Plans and elevations of garage, barn shed, summer cottage. Afternoons. 12 weeks’ credit. MR. BOWEN.

113. **Organization.** History of Manual Arts. Course of study, arrangement of equipment, and planning of buildings. Selecting and purchasing tools and supplies. Mornings. 12 weeks’ credit. MR. WAITE.
MATHEMATICS

REVIEW, RURAL II., AND HIGH SCHOOL COURSES

7. Plane Geometry. Designed for those preparing for teachers' examination or for students who wish to review the subject as a preparatory subject. Much attention is given to method of attack. One section. MR. LONGMAN.

13. Arithmetic. A review for those desiring to prepare for teachers' examination. Sections will be organized for all grades of county certificates. Five sections. MR. JENNINGS.

14. Algebra. Review course for those preparing for teachers' examination or for students who wish to review the subject as a preparatory course. Two hours daily. One section. MR. LONGMAN.

RURAL I., GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

101. Arithmetic. A teacher's course. To elect this course the student should have a knowledge of geometry and of the beginners' 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. Two sections. MR. BLAIR.

102. College Algebra and Analytic Geometry 102. Rectangular and polar coordinates, simultaneous linear equations, determinants, relations between straight lines. 12 weeks' credit. MR. SELLERS.

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. SELLERS.

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.

MRS. DAVIS.

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.

MR. MAYBEE AND MRS. DAVIS.

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's 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.

MRS. DAVIS.

**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 is designed as a review of Elementary Harmony and advanced work. It should be preceded by a year's work in Elementary Harmony. The course will be of exceptional value for Supervisors of Music. 6 weeks' credit. MR. HENDERSON.

122. Chorus. In view of the increasing demand for high school chorus concerts a cantata will be given suitable for the average high school chorus. The chorus will meet for two rehearsals each week. Chorus is required of all students enrolled in music courses as a part of their regular work. This course is open to all students.

MR. HENDERSON AND MR. MAYBEE.

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 designated to meet the demand made for new material to be used in the grades and high school. Song interpretation will be a feature of this course. 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. WISELY.
PHYSICAL EDUCATION FOR WOMEN

102. Physical Education. This course presupposes Physical Training 101. It 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 102 of the regular school year.
   MISS HASKELL.

104. Physical Education. This course presupposes Physical Education 101-2-3. 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 104 of the regular school year.
   MISS GUIOT.

109. Playground Course. A study of the organization and management of the playground, its activities, equipment, aims, and use as a social center.
   Practice in Playground Games. 6 weeks' credit toward diploma.
   Instruction in tennis will be given each morning at 7:15.
   Swimming classes on Mondays, Tuesdays and Wednesdays.
   MISS GUIOT.
   MISS HASKELL.

   NOTE.—A gymnasium suit is required for courses 102 and 104 (bloomers, middy blouse, and shoes).

PHYSICS

Review Physics. A general review of elementary physics designed for those whose work in the high school has been weak in this subject; for those who have had limited opportunities in the way of laboratory work; for those who wish to review the subject preparatory to teaching it; and for those who are preparing to take an examination for second grade, first grade, or the state certificate. Credit may be earned in the rural and preparatory departments commensurate with the work done. Class meets from 7 to 9 daily.
   MR. HAMMOND.
Elementary Laboratory Work. This course may be elected to accompany Review Physics, or may be elected as an independent course by students who have had good class room instruction but have had little opportunity for individual laboratory work. Laboratory will be open from 1 to 4, and credit will be allowed according to work done. MR. HAMMOND.

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

104. Physical Nature Study. A comprehensive review of selected portions of physics necessary to the analysis of problems which arise in the grades. Special attention given to methods of organization and presentation in grade work. Credit granted for work accomplished. 12 weeks' credit. MR. HAMMOND.

Advanced Laboratory Work. Open to students who have had courses 101, 102 and 103. Credit granted according to work accomplished. Advanced laboratory will be open from 1 to 4 daily. MR. HAMMOND.

Photography. Students will have an excellent opportunity to advance themselves in the art of photography during the summer term. The Physics department possesses a fine new dark room which will be open to students from 1 to 4, three days in the week. The work will be informal, the student pursuing any phase of photography in which he may be interested.

TEACHING

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. MR. ELLSWORTH.

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 ELLETT.
7. Rural School Methods. In this course special problems of method and subject matter for rural schools will be considered. Special emphasis will be given to teaching reading and seat work possible in rural schools. At least one-half hour daily of observation in Training School and assigned observation in the Oakwood Rural School are required.

This course will be combined with the course in School Management and Law and Observation for an eighteen weeks' credit toward a Normal School certificate. MISS ELLETT. MISS ARGABRIGHT. MISS GREEN. MRS. MORRISON. MISS WALSH. MISS WILLIAMS.

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 pupils.

MARY H. MUNRO.

TRAINING SCHOOL

The kindergarten, first, third, sixth, and seventh grades of the training school will be in session from 9 to 11 A. M. each day for six weeks of the summer term, to accommodate those who wish to observe teaching in the grades. The regular supervisors will have charge of this work with the co-operation 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. 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 addi-
tion to the observation in the Training School, observation in the Rural Observation School will also be required. Each supervisor will reserve a definite period 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 Director of Training School before any credit can be given.

MR. ELLSWORTH AND SUPERVISORS