1920

Summer Term of the Western State Normal School 1920

Western Michigan University

Follow this and additional works at: https://scholarworks.wmich.edu/course_catalogs

Part of the Higher Education Commons

WMU ScholarWorks Citation

Western Michigan University, "Summer Term of the Western State Normal School 1920" (1920). Western Michigan University Course Catalogs (1904-present). 236.
https://scholarworks.wmich.edu/course_catalogs/236

This Catalog is brought to you for free and open access by the Western Michigan University at ScholarWorks at WMU. It has been accepted for inclusion in Western Michigan University Course Catalogs (1904-present) by an authorized administrator of ScholarWorks at WMU. For more information, please contact maira.bundza@wmich.edu.
ENTRANCE FROM OAKLAND DRIVE
SUMMER TERM
OF THE
Western State Normal School
KALAMAZOO, MICHIGAN

Monday, June 28, to Friday, August 6, 1920
FACULTY OF THE SUMMER SCHOOL
1920

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

ELLEN ANDERSON, Director County Normal, Flint,
County Normal Problems.

AMELIA BISCOMB, A. B.,
English.

ALICE BLAIR, B. S.,
Domestic Art.

HAROLD BLAIR, B. S.,
Mathematics.

ARTHUR BOWEN,
Industrial Arts.

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

SMITH BURNHAM, A. M.,
History.

CARRIE L. CARTER, Commissioner of Schools, Newaygo
County,
Management and Law.

BERTHA S. DAVIS,
Dean of Women.

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

MARY ENSFIELD, A. B., Commissioner of Schools, Kala-
mazoo County,
Rural School Methods.

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

E. E. FELL, A. M., Superintendent of Schools, Holland,
Education.

C. A. FISHER, A. B., Principal High School, Kalamazoo,
History and Civics.
LUCY GAGE, Early Elementary Education.

EMELIA M. GOLDSWORTHY, Public School Art.

RENA L. GOODRICH, Commissioner of Schools, Allegan County, Management and Law.

HARRY P. GREENWALL, A. B., Penmanship.

THEODOSIA HADLEY, M. S., Agriculture.

LE ROY H. HARVEY, Ph. D., Biology.

FRANCES HASKELL, Physical Education.

H. GLENN HENDERSON, Public School Music

MARY HENDERSON, English.

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

JOHN C. HOEKJE, A. B., Education.

WALTER M. HORN, Kalamazoo High School, Biology.

CLYDE HUFF, A. B., Commerce.

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

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

VERA LUTJE, A. B., History.

WILLIAM McCracken, Ph. D., Chemistry.

GERTRUDE MILLER, Commissioner of Schools, Barry County, Rural School Methods.
FLOYD W. MOORE, A. B.,  
Economics and History.

MARY MUNRO, A. B.,  
Rural School Methods.

GENEVA M. RATLIFF, Commissioner of Schools, Cass Co.,  
English.

HERBERT READ,  
Physical Education.

SAMUEL RENSHAW, A. B.,  
Education.

PAUL ROOD, A. B.,  
Physics.

LOUSENE ROUSSEAU, A. B.,  
Speech.

DOROTHEA SAGE,  
Public School Music.

MYRTLE SIMMONDS,  
English.

CLEORA SKINNER,  
Rural School Methods.

OLIVE SMITH, A. B.,  
English.

MARIAN SPALDING,  
Physical Education.

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

MARGARET SPENCER,  
Public School Art.

GEORGE SPRAU, A. M.,  
English.

ELAINE STEVENSON,  
Public School Art.

LAURENCE TAYLOR,  
Physical Education.

MABEL THIELEMAN,  
Household Arts.

EMILIE TOWNSEND, A. B., Union High School, Grand Rapids,  
Mathematics.
ELMER WEAVER, Manual Arts.
CHARLES C. WILCOX, A. B., Kalamazoo High School, Geography.
MILDRED WILLIAMS, A. B., Rural School Methods.
LESLIE H. WOOD, A. M., Geography.
ELIZABETH ZIMMERMAN, A. M., Latin.

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.
BLANCHE DRAPER, Editor, Western Normal Herald.

TRAINING SCHOOL
FRANK E. ELLSWORTH, A. B., Director.
LAVERNE ARGABRIGHT,
Critic.
HELEN BARTON, A. B.,
Critic.
MINNIE CAMPBELL,
Critic.
LEOTI COMBS,
Public School Music.
KATHERINE MULRY, B. S.,
Critic.
ROSE NETZORG,  
Public School Art.

CHARLES NICHOLS,  
Manual Training.

FLORENCE WOOD,  
Critic.

**STANDING COMMITTEES, 1920**

The President is ex-officio a member of each committee.
Appointment Committee—Ellsworth, Gage, Henry, Davis, E. Burnham.

Athletics—Read, Taylor.
Enrollment, Schedules, and Records—Pennell.

1. Schedules—Hoekje.
2. Entrance Requirements—Munro, Renshaw.
5. Course Advisors—

A. Life Certificate—
   Early Elementary—Gage, Ellsworth.
   Later Elementary—Henry, S. Burnham.
   Rural—Burnham, Munro.
   Junior High School—O. Smith, F. Moore.
   Senior High School—Zimmerman, Wood.
   Art—Goldsworthy.
   Music—Davis.
   Household Arts—Blair, Thieleman.
   Industrial Arts—Bowen, Weaver.
   Commerce—Huff.
   Physical Education—Haskell.
   Extension—Hoekje.
B. Limited Certificate—E. Burnham.
C. Special Summer—E. Burnham.
D. A. B. Degree—Sprau.
   Health—Davis.
   Social Life—Davis, Rousseau, Fell, Williams, Livermore.
   Y. W. C. A.—Zimmerman, Biscomb.
   Y. M. C. A.—Hoekje, Greenwall.
Summer Term
of the
Western State Normal School

The seventeenth annual Summer Term of the Western State Normal School will open June 28, 1920, and continue six weeks, closing August 6. Students will be enrolled and classified on Monday June 28, and classes in all departments will begin recitations on Tuesday, June 29. 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.
KALAMAZOO FROM NORMAL HILL
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 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 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 19,500 volumes. All books have been selected with great care to avoid excessive duplication, and, since all purchases have been made within the last
View of Main Buildings
sixteen 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.

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

The Kalamazoo Public Library with a collection of 55,000 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' 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 $5.50 to $6.50 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.

**STUDENTS' 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 reasonable 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 athletic field of fourteen 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 up-to-date quarter-mile track will be in use during the Summer Term.

GIRL SCOUT TRAINING COURSE

To meet the rapidly increasing demand for trained leaders of Girl Scout organizations, Western State Normal will offer a three weeks' course in Scouting during the Summer Term.

Arrangements have been completed whereby the Girl Scout Inc. will send a field secretary to Western Normal to conduct this course which will be of much practical interest and value. The local council will offer the use of the Girl Scout shack for practical work and recreational activities. The course will start June 28 and will be concluded July 18.

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 to 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: Thursday, July 1, and Friday, July 23.

Y. M. C. A.

The Young Men's Christian Association of the Western State Normal School was organized in 1916. During the past year it has manifested a very healthy growth which augurs well for its success during the coming year. It already ranks as one of the real factors of power at the Normal School. Meetings are held weekly.

Committees of the Association are planning to look after new men students upon their arrival at the beginning of each term. Authorized representatives of the Association may be recognized by special badges. These representatives may be trusted implicitly as to information, advice, and direction. New students unfamiliar with Kalamazoo and the Western State Normal who write to the President of the Normal Y. M. C. A., care of the Normal, will be met at the depot at which they arrive, if they will specify the time of their expected arrival. Letters should reach Kalamazoo a week before the opening of each new term.

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

I. Wednesday, June 30, Dr. Claude Van Tyne, professor of American History in the University of Michigan will speak on "The Relation of England and the United States." Professor Van Tyne is well known as one of our ablest teachers of American History. He is a clear, logical, forceful public speaker, and students of Western Normal are fortunate in having the opportunity to hear Professor Van Tyne.

II. Friday, July 2, Professor S. H. Clark, head of the Department of Public Speaking at the University of Chicago, will give an interpretation of Drinkwater's "Abraham Lincoln," the play which has had such a tremendous vogue in New York City this year. Professor Clark is recognized as one of our foremost
exponents of spoken English, and his interpretation of Drinkwater's masterpiece will be a rare treat.

III. Tuesday, July 13, Dr. E. R. Downing, of the department of Natural Science in the School of Education, University of Chicago, will speak on "The Science of Shakespeare." Dr. Downing was formerly in charge of the department of Biological Science in the Northern State Normal School at Marquette. For nearly a decade he has been connected with the Natural Science Department of the School of Education University of Chicago. For several years he was editor of the Nature Magazine, and is recognized as one of our leading authorities in Nature-Study and the general subject of science in our elementary and secondary schools.

IV. During the Summer Term, Dr. Ernest Burnham, head of the department of Rural Education, Western Normal, will speak on the subject "An Educational Opportunity." Dr. Burnham has made for himself and the Rural Education Department a national reputation. He is one of the recognized authorities on the general subject of Rural Education in the United States, and the students of the Summer School will enjoy hearing his exposition of one big phase of our educational future. Date to be announced.

V. Professor George Sprau of the department of English, Western Normal, will lecture on "The Spirit of American Literature." Professor Sprau is well known to Western Normal graduates and undergraduates as an able thinker, a scholarly student of literature, and a teacher of rare power. His studies at Ohio University, at Harvard, and in England have given him a grasp of his field which is verified and enriched by first-hand knowledge of source material. Professor Sprau's interpretations of the ideals of life as portrayed in the best literature are inspiring. Date to be announced.

VI. Dr. T. S. Henry, of the department of Education at Western Normal, will speak on the subject "Classroom Problems in the Education of Gifted Children." Dr. Henry is the author of a monograph constituting Part II of the Nineteenth Year Book of the National Society for the Study of Education, which is devoted to the general subject of gifted children. During recent years much attention has been given to the sub-normal child. The time has come when the needs of the child of
high mentality must be considered and met in our public school administration. Dr. Henry has made a careful study of this subject. Date to be announced.

CHAUTAUQUA

For the eighth successive year the Redpath Chautauqua will be held on the Normal grounds during one week of the Summer Term. Programs will be given morning, afternoon, and evening. Prominent lecturers and musical organizations will appear, and the students will be offered attractions of the same high grade as in 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 second 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 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 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 and on the A. B. degree course.
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. HORN.

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. MR. HORN.

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. MR. HORN.

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. Reference will be made to Monroe's "Measuring the Results of Teaching." 6 weeks' credit. MISS RATLIFF.

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. Reference will be made to Monroe's "Measuring the Results of Teaching." 6 weeks' credit. MISS RATLIFF.

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. Reference will be made to Monroe's "Measuring the Results of Teaching." 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. 12 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. Reference will be made to Monroe's "Measuring the Results of Teaching." 6 weeks' credit. MR. FISHER.

C. Civil Government. The purpose of the course is to make prospective teachers thoroughly familiar with the principles and ideals of American government. Bring all available textbooks. 6 weeks' credit. MR. FISHER.

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. MISS TOWNSEND.
B. Arithmetic. A review for those desiring to prepare for teachers' examination. Sections will be organized for all grades of county certificates. Reference will be made to Monroe's "Measuring the Results of Teaching." 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.

MISS TOWNSEND.

PHYSICS

110. Teachers' Physics. The aim in this course is twofold: (1) to give those who wish it a comprehensive grasp of the field of elementary physics such as is needed by those desiring to take county or state examinations in the subject; and (2) to help teachers in the grades or junior high school to organize materials for work in physical nature-study, and general science. 12 weeks' credit.

MR. ROOD.

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. Reference will be made to Monroe's "Measuring the Results of Teaching."

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.
VIEW OF SCIENCE BUILDING FROM ATHLETIC FIELD
REGULAR DEGREE AND CERTIFICATE COURSES

ART

102. Teachers' Art. This course covers the work in public school art in the early elementary and later elementary grades—in drawing, painting, free-hand cutting, and designing from nature in plant, animal, landscape, and figure work leading to the illustration of other school subjects. Practical problems of illustrated compositions will be included. 12 weeks' credit.

MISS GOLDSWORTHY, MISS STEVENSON.

103. Industrial Art. Problems growing out of a study of the industries will be given. Among the industries presented will be pottery, weaving, basketry, box-making, paper and book making. Problems suited to the early and later elementary grades. 12 weeks' credit. MISS SPENCER.

109. Blackboard Sketching. This course gives practice in free sketching on the blackboard with the purpose of illustrating other school studies, nature-study, reading, geography, history. Special occasions, such as Thanksgiving, Christmas, Valentine's Day, Easter, Arbor Day and monthly calendars will be features of the course. Teachers' Art, a prerequisite.

MISS GOLDSWORTHY.

118. Commercial Art. This course is an advanced course for students and teachers of art. Practical problems in printing illustration, and design—book covers, posters, and other practical school problems will be included. 12 weeks' credit.

MISS STEVENSON.

BIOLOGY

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 a 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.

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 the work done.

DR. HARVEY.

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**

Students expecting to enroll in any of the subjects offered in this department should communicate with Mr. W. C. Huff at their earliest convenience. All or any of the courses will be offered, if the enrollment warrants.

101. **Shorthand.** An elementary course covering fundamentals of the Gregg System. This course is identical with course 101 offered in the Fall Term. 12 weeks' credit.  

Mr. Huff.

102. **Shorthand. Intermediate.** Continuation of course 101 introducing advanced principles and applications. Prerequisite, Shorthand 101 or equivalent. 12 weeks' credit.  

Mr. Huff.

101. **Typewriting. Elementary.** This course is designed to familiarize the student with the universal keyboard and to
train him in the first principles of the touch system. 6 weeks' credit.  

MR. HUFF.

102. Typewriting. Intermediate. Continuation of course 101. The practice material includes form letters, billing, and similar material. Prerequisite, Typewriting 101, 6 weeks' credit.  

MR. HUFF.

101. Accounting. A course planned especially for teachers who expect to teach elementary bookkeeping in high school. The course includes work introducing sales and purchase journals, cash books, trial balances, statements, closings, and negotiable paper. 12 weeks' credit.  

MR. HUFF.

108. Business Arithmetic. An arithmetical study of business processes and incidental study of various trading activities. 6 weeks' credit.  

MR. HUFF.

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 Content of Curriculum 102. Required in Early Elementary Course. 12 weeks' credit.  

MISS GAGE.

102. Content 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 GAGE.

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 be-
Emphasis is placed on the study of the modern methods now in use. Standards for judging methods and material are worked out. Students will be given opportunity to observe reading classes in the training school. 12 weeks' credit.  

MRS. CAMPBELL.

EDUCATION AND PSYCHOLOGY

EDUCATION

136. Educational Sociology. The course will include a brief review of those principles of sociology which affect education most—the cultural, the social, the physical, and the vocational—as these are determined by the needs of democratic society, modern economic life, and contemporary culture. The differentiation of educational objectives as required to meet local and special needs arising from the differentiation of social groups will be shown. The purpose of the course is to discover the social influences of the school which develop the child's efficiency as a member of society. Elective. 12 weeks' credit. Not open to first-year students.  

MR. HOEKJJE.

101. Principles of Teaching. The purpose of this course is to establish a definite notion of the aim of education; to show the close connection of education as a human institution with social order and progress; to formulate a few fundamental principles underlying the teaching process. The course will include such topics as the curriculum, moral and social training, discipline, type lessons, questioning and lesson plans. Standards for judging classroom instruction are worked out and systematic observation of classes in the training school is made. This course must precede practice teaching. At least one term of psychology is a prerequisite to this course. 12 weeks' credit.  

MR. ELLSWORTH.

PSYCHOLOGY

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

MR. FELL.

102. Educational Psychology. An advanced course in the psychology of education. Emphasis is placed upon the studies in the laboratory, which comprise at least half of the work of
the course. Prerequisite, Psychology 101 or its equivalent. 12 weeks' credit. 

MR. RENSHAW, DR. HENRY.

103. Genetic Psychology. Treats of the mental and physical conditions of life during childhood and adolescence with special reference to their influence upon educational practice. Prerequisite, Psychology 101 and 102. 12 weeks' credit.

DR. HENRY.

110. Clinical Psychology. This course is for advanced students who are interested in the measurement and diagnosis of intelligence. In it not only the technique of various types of tests is treated but also clinical studies are made of cases from the public schools, courts, charity organizations, etc. Methods of history-taking and record-keeping receive attention. The work in class, laboratory, and clinic is supplemented by visits to custodial institutions near Kalamazoo. Psychology 101 and 102 or their equivalents are prerequisites. Not open to first-year students. 12 weeks' credit.

MR. RENSHAW.

112. Educational Measurements. A course in the theory and technique of the standard tests and scales for measuring achievement in the various school subjects. Enough of the elements of statistical method will be included to enable the student to summarize and evaluate the results obtained in his practice. Not open to first-year students and must be preceded by Psychology 101 and 102. 12 weeks' credit.

DR. HENRY.

115. The Defective Child. This course treats of the varieties, causes and consequences of nervous and mental affections of children—the backward, borderline defectives, constitutional inferiors, psychopathic, as well as morons, imbeciles and idiots. A survey of the most important literature of the subject is made, and individual case studies are worked up in clinic for presentation to the class. Open only to students who have had not less than a year of psychology, including course 110. The number of students admitted to this course is limited to ten. 12 weeks' credit.

MR. RENSHAW.
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.

MISS HENDERSON, MISS SIMMONDS.

101b. Advanced Composition. A general discussion of the four forms of discourse with the analysis of specimens of each form. Most of the time will be devoted to the writing and correction of themes. 12 weeks' credit. MISS SMITH.

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.

MRS. BISCOMB.

120. The Familiar Essay. A study of the familiar essay as a type of literature. Several representative essays will be studied in class. The remainder of the time for this course will be devoted to lectures on the historical development of the familiar essay supplemented with a liberal amount of assigned reading. 12 weeks' credit.

MISS SMITH.

121. Contemporary Poetry. In this course students will be given the opportunity to study the English and American poetry of the last twenty years. The class periods will be devoted largely to lectures and interpretative reading. In addition to much assigned general reading, each student will make a special study of some topic in connection with contemporary poetry and present the results of his study to the class in the form of a paper or lecture. Open only to students who have had sufficient work in literature to take the course with profit. 12 weeks' credit.

MR. SPRAU.

122. Browning. This course is for those advanced students who care enough for Browning's poetry to study it carefully in order that they may more fully understand and appreciate it. The course is intended primarily for third-year and fourth-year students who are specializing in English or electing it in place of foreign language. Other students who are prepared to do the work may be admitted only with the consent of the instructor. 12 weeks' credit.

MR. SPRAU.

GEOGRAPHY

101B. General Geography. The purpose of this course is to acquaint the student with the general principles that are applied in the study of the geography of a region. The elements of location, area, climate, relief, rocks, minerals, soils, coastlines, waterways, water power, etc., are considered from the standpoint of their influence upon economic and social conditions, and upon the distribution of people. The work is based upon the study of specific regions. Course 101A is a prerequisite to this course. 12 weeks' credit.

MR. WOOD.
103. **Geography of North America.** A study of the physical, industrial, and commercial relations of the chief sections of North America. This course is developed with the needs of the teachers of the upper grades in view. 12 weeks' credit.  

MR. WOOD.

109. **Economic and Commercial Geography.** The geographic factors underlying commerce and industry; the products of the farm, range, forest, mine, etc.; the economic geography of the leading commercial areas of the world; current international commerce with special attention to the commerce of the United States; the principal trade routes of the world; trade centers; commercial tendencies. A course adapted to the needs of high school teachers. 12 weeks' credit.  

MR. WILCOX.

### HISTORY AND SOCIAL SCIENCES

103. **United States History—1865-1920.** In this course special attention will be given to the industrial, social, and political problems that have grown out of the rapid development of America since the Civil War with a view to helping students to a better understanding of present conditions in our country. This course is the third of a sequence of three courses covering a year's work in American History. The first and second courses in this subject will be given in succeeding Summer terms. Elective. 12 weeks' credit.  

MR. BURNHAM.

107. **Modern Europe—1453-1715.** This course covers the history of Europe from the Renaissance and the Protestant Reformation to the death of Louis XIV. It traces the rise of those ideas and institutions which mark the beginning of Modern History and treats of the great conflicts between the older and the newer forces which occurred in the sixteenth and the seventeenth centuries in Europe. This course is the first of a sequence of three courses covering a year's work in Modern European History. The second and third of these courses will be given in the succeeding Summer terms. Elective. 12 weeks' credit.  

MR. BURNHAM.
101. **American Government.** A study of the national government of the United States as actually administered under present conditions. Some attention is given to government in the making. Systematic reading of daily newspapers and standard magazines as well as textbooks is required. A knowledge of elementary civics is presupposed. During the Summer Term of 1920 special emphasis will be placed upon the presidential election machinery and the handling of foreign affairs. Elective. 12 weeks' credit. MR. MOORE.

101. **Principles of Economics.** A course designed to present the fundamental laws and facts regarding the production, distribution, and consumption of wealth. It includes a brief study of industrial expansion in the nineteenth and twentieth centuries; the meaning and determination of value and price; an analysis of human wants and the resulting consumption; the contributions of natural forces, labor, capital, and business organization to the production of wealth; and the place of rent, wages, interest, and profits in the distributive process. Not open to first-year students. Elective. 12 weeks' credit. MR. MOORE.

101, 102, 103. **Sociology.** Three courses of twelve weeks each are given in the regular year and constitute a year's work for second-year and advanced students. The first term of this work, Sociology 101, which is an introductory course in the principles of the subject, will be given this summer. The sequence will be carried out by offering 102 in 1921 and 103 in 1922. Elective, not open to first-year students. 12 weeks' credit. DR. BURNHAM.

113. **Sociology.** A study of social relationships and the agencies for social progress in country neighborhoods and villages. The place of the school in community welfare is the large question considered. An elementary general textbook in sociology will be supplemented by book, pamphlet, and periodical materials applied to the particular field of this study. Elective. 6 or 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 THIELEMAN.

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 THIELEMAN.

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 BLAIR.

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.

INDUSTRIAL ARTS

101. **Woodshop.** An introduction to the fundamentals of wood-working. The work of this course includes elementary working drawing, blue print reading, and the selection, care and use of suitable tools and materials. A substitute is allowed for this course if the student can show evidence of sufficient previous training or experience in woodshop and drawing. 12 weeks' credit. Fee $3.00.

MR. BOWEN, MR. WEAVER.

102. **Woodshop.** A teacher's course in wood-working with hand tools. Attention is given to the technic of tools, grinding
and sharpening, wood finishing, consideration of courses of study, and suitable shop problems for the elementary and junior high school grades. 12 weeks' credit. Fee $3.00.

**MR. BOWEN, MR. WEAVER.**


**MR. BOWEN.**

104. **Turning and Pattern-making.** Elementary turning and pattern-making, laying up molds, and casting in lead. Fee, $3.00.

**MR. BOWEN.**


**MR. BOWEN.**

106 A. **Advanced Machine Work.** Construction of two horse power gasoline engine as major project. Advanced work in gear cutting, grinding, boring, reaming, benchwork etc. 12:30-4:30. 12 weeks' credit.

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 line, 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.**

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

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

117A. **Auto Mechanics.** A course in the operation of the internal combustion engine and the construction of the modern automobile chassis. Includes driving instruction and minor adjustments and repairs. 12 weeks' credit. Fee $3.00. MR. WEAVER.

117B. **Auto Mechanics.** A course in the complete overhaul of all units making up the modern automobile. 12 weeks' credit. Fee $3.00. MR. WEAVER.

117C. **Auto Mechanics.** A continuation of course 117-B. Also includes oxy-acetylene welding, tire vulcanizing, and automobile sheet metal work. 12 weeks' credit. Fee $3.00. MR. WEAVER.

**LATIN**

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.

105. **Mythology.** A study of the mythology of Greece and Rome, with special reference to the use of myths in poetry and art, and the use of these stories in the teaching of children. The course is not limited to classical students. 12 weeks' credit. MISS ZIMMERMAN.

Note—Students desiring work in Caesar, Cicero or Virgil are asked to consult Miss Zimmerman.
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 lectures and discussions on the history and teaching of the subject, with assigned reading. Extended treatment of typical problems of applied 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.

123. **Solid Analytic Geometry.** Open only to students who have completed course 107 of the regular year. 12 weeks' credit.

MR. EVERETT.

**MODERN LANGUAGES**

**FRENCH**

102A. **Intermediate French.** A rapid-reading course in which the best standard texts will be used, including simple prose and plays. French oral and written summaries of the works read will furnish the necessary composition. One year of French as a prerequisite. Students who want the third term of
first-year French, should consult with the instructor. 12 weeks' credit.

MR. DES MARAIS.

104A. Modern French Prose. This is an advanced course for students who are specializing in French, or for teachers of French, and will include, besides the reading of Modern French prose, weekly discussions of classroom problems and economical methods of handling the subject. 12 weeks' credit.

MR. DES MARAIS.

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

MISS SAGE.

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 to 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.

MRS. DAVIS.

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 festivities, 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. Observations may be made in the Training School. 6 weeks' credit.

MISS COMBS.

SPECIAL SUPERVISORS' COURSE

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.

114. Advanced Harmony and Musical Composition. The course consists of a review of elementary harmony, and of advanced 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.

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. MRS. DAVIS.

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 HASKELL.

103-104. Physical Education. The 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 and 104 of the regular school year. MISS HASKELL.

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 are 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 SPALDING.

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

101B. Physics. The work covered in this course is equivalent to the work in Electricity and Magnetism during the Winter Term of the year. Students who do this course satisfactorily
and gain credit in Physics 101-a and 101-c will earn the credit ordinarily required for a year's work in general physics of college grade. These three courses are indispensable to the high school teacher of the subject and furnish the required physics in engineering and medicine. It is the intention of the department to offer these courses in consecutive order in consecutive summers so that a year's work may be gained entirely during Summer terms. While it is desirable that students take these courses in the order of their numbers, this is not mandatory. A number of important experiments are to be worked by the pupil and the classwork will be amply illustrated by experiment. 12 weeks' credit. Text—Kimball's College Physics. MR. ROOD.

Photography. An excellent opportunity will be presented to students to master the art of photography. The dark room will be opened to them at stated times.

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. 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. In the examinations in Theory and Art of Teaching, three questions will be based on Arp's "Rural Education and the Consolidated School," two on Brewster's "Vocational Guidance for the Professions," and one on Monroe's "Measuring the Results of Teaching." 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. 6 weeks credit.
MISS CARTER, MRS. GOODRICH, 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. Observation 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 MUNRO  MISS WILLIAMS  MISS SKINNER  
MISS ENSFIELD  MISS MILLER  MISS ANDERSON

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 ANDERSON.

113. 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 co-operation of teachers and schools in local community activities is used. This course is open to all students, including those enrolled in Extension. 12 weeks' credit.

DR. BURNHAM.

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 ROUSSEAU.

MISS ROUSSEAU.

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
A TRAINING SCHOOL PLAY
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.

The Rural Demonstration School at Oakwood will be in session each forenoon. Teaching in the elementary grades will be demonstrated. The Oakland car south from the Normal School goes directly to Oakwood.

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.