Western State Normal School Bulletin Summer 1921

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WESTERN STATE NORMAL SCHOOL
KALAMAZOO, MICH.

BULLETIN
SUMMER
1921

MONDAY, JUNE 27, TO FRIDAY, AUGUST 5
FACULTY OF THE SUMMER SCHOOL
1921

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

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C. A. FISHER, A. B., Principal High School, Kalamazoo, History and Civics

JOHN E. FOX, A. M., Physics

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THEODOSIA HADLEY, M. S., Agriculture

LUCIA HARRISON, M. S., Geography

LEROY H. HARVEY, Ph. D., Biology
AMANDA HEBELER, Director County Normal, Onaway,  
*Rural School Methods*

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CLYDE HUFF, A. B., *Commerce*

FRED S. HUFF, A. B., *Manual Arts*

DORIS HUSSEY, *Physical Education*

JUDSON A. HYAMES, *Physical Education*

INA KELLEY, A. B., *Rural School Methods*

MARVEL LIDDY, *Public School Music*

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ARTHUR L. LORING, A. B., *Commerce*

HARVEY H. LOWREY, A. B., *Director Special Summer Courses*

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HARPER C. MAYBEE, *Public School Music*

WILLIAM McCracken, Ph. D., *Chemistry*

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FLOYD W. MOORE, A. B., *Economics and History*

MARY MOORE, *Household Arts*

ROSE NETZORG, *Public School Art*

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LAURA SHAW, A. M., *Speech*

M. J. SHERWOOD, B. S., *Manual Arts*

MYRTLE SIMMONDS, *English*
FACULTY OF THE SUMMER SCHOOL

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LAVINA SPINDLER, Education
ELAINE STEVENSON, Public School Art
GEORGE TABRAHAM, Manual Arts
LAURENCE TAYLOR, Physical Education
MABEL THIELEMAN, Household Arts
EMILIE TOWNSEND, A. B., Union High School, Grand Rapids, Mathematics
ELMER WEAVER, Manual Arts
CORDELIA WICK, Commerce
CHARLES C. WILCOX, A. B., Kalamazoo Public Schools, Geography
MILDRED WILLIAMS, A. B., Rural School Methods
LEYSLIE H. WOOD, A. M., Geography
CRYSTAL WORNER, Physical Education

LIBRARY

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MARIE COULTER COLE
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BLANCHE DRAPER, Editor, Western Normal Herald

TRAINING SCHOOL

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HELEN BARTON, A. B., Supervisor
JANE BLACKBURN, B. S., Supervisor
MINNIE CAMPBELL, Supervisor
VERLE F. COPPENS, B. S., Supervisor
KATHERINE MULRY, B. S., Supervisor
IDA O. RUDY, B. S., Supervisor
EDNA OTIS, Supervisor

STANDING COMMITTEES, 1921

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

Appointment Committee—Ellsworth, F. Moore, Henry, Davis, S. Burnham
Athletics—Read, Taylor
Enrollment, Schedules, and Records—Pennell.
   (1) Schedules—Hoekje.
   (2) Entrance Requirements—Brown, Blair, Cain.
   (3) Extra Studies—Fox, McCracken.
   (4) Advanced Standing—Pennell, Henry
   (5) Course Advisors—
      A. Life Certificate.
         Early Elementary—Spindler, Coppens.
         Later Elementary—Harrison, Place.
         Rural—Skinner, Lowrey.
         Junior High School—F. Moore, Rawlinson.
         Senior High School—Fox, Wood.
         Art—Netzorg.
         Music—Maybee.
         Household Arts—M. Moore, Mattison.
         Commerce—Loring, C. Huff.
         Physical Education for Men—Taylor.
         Physical Education for Women—Hussey, Worner.
         Extension—Henry.
      C. Special Summer—H. H. Lowrey.
      D. A. B. Degree—S. Burnham.

Health—Davis, Harvey.
Social Life—Davis, Farnham, Fell, Williams, Brown, Renshaw Shaw, Livermore.
Y. W. C. A.—Hockenberry, Spindler.
Y. M. C. A.—C. Huff, Weaver.
Summer Term

OF THE

Western State Normal School

The eighteenth annual Summer Term of the Western State Normal School will open June 27, 1921, and continue six weeks, closing August 5. Students will be enrolled and classified on Monday, June 27, and classes in all departments will begin recitations on Tuesday, June 28. 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 48,000, 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 half-way point between Detroit and Chicago on the main line of the Michigan Central Railway. The Grand Rapids and Indiana, the Lake Shore and Michigan Southern, and the Chicago, Kalamazoo and Saginaw railroads, all running north and south, pass through Kalamazoo. In addition to these main lines, the South Haven branch of the Michigan Central, the Kalamazoo, Lake Shore and Chicago, and the Grand Trunk railroads, together
with the Michigan Railway Company trolley lines east and north, afford convenient travel to and from all points in southwestern Michigan.

PURPOSE OF THE SCHOOL

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

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

During the Summer Term special attention will be given to those who are already teaching and to those who plan to teach during the coming year. Courses of study, plans of work, and methods of instruction, will be arranged to meet the needs of teachers engaged in the profession.
BUILDINGS

1. Administration Building. This structure contains in addition to the administration offices, fourteen classrooms, the assembly room, and the library and reading-rooms. The 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 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, 9\frac{1}{2} 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. Manual Arts. The building recently purchased from Mr. Eames is at present the home of the Department of Manual Arts. 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 new Manual Arts building is nearing completion, and will be used this summer if it becomes available.
THE LIBRARY

The Library at present numbers 20,000 volumes. All books have been selected with great care to avoid excessive duplication, and, since all purchases have been made within the last 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 thirty-seven 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 $3.00 for all students who reside in Michigan. For those living outside of Michigan the fee is $6.00. There is a fee of $2.00 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 $2.00 to $2.50 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.

STUDENT CLUBROOMS

Rooms have been equipped as Clubrooms with home comforts. In these rooms students find opportunity for quiet study or rest between classes. The women's room has been refurnished this year, and the men's room is new in its whole equipment. These two splendid rooms are both the result of work by the students themselves.

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 $20,000.

**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.

**SUMMER SCHOOL FOR ATHLETIC COACHES**

This school is a natural outgrowth of the regular department of physical education for men and is particularly designed to render service to coaches and prospective coaches of Michigan who are unable to take the full work of the department. Even teachers, principals, and superintendents, who, though not actively engaged in coaching yet have some supervision of the athletic teams in their schools, may find it profitable to take the work of these short summer courses.

All those who enroll in this school will be expected to furnish for themselves such equipment as is necessary for the practical work of the courses. Tuition and fees will be the same as for other summer departments.

**SOCIAL LIFE**

Social life is encouraged in the Normal and every effort is put forth to further acquaintance among students and faculty.

Students from the same counties arrange for gatherings of social nature. Picnics at nearby lakes are planned and enjoyed. There is every opportunity for this as Kalamazoo is fortunate in having many nearby lakes, which afford boating, bathing and picnicking. Places suggested are as follows:
White's Lake, Oakland Drive Car.
Pretty Lake Vacation Camp.
Cooper Glen, four miles north of city.
Gull Lake, one of Michigan's most beautiful inland lakes.

Kalamazoo provides an unusual opportunity for grade teachers and special teachers of household arts, manual arts, and commercial geography to study industrial processes. Conducted excursions will be made to plants manufacturing paper, parchment, envelopes, automobiles, stoves, furnaces, tools, gasoline engines, saw mill machinery, tanks and silos, windmills, musical instruments, clothing, carpets, mattresses, bread, sanitary ware.

In order to make these excursions as profitable as possible, several of them will be preceded by the exhibition of a film of the industry and an informal talk on the points of major interest to teachers.

Student parties are arranged by the Social Committee for the enjoyment of the members of Summer School. General student parties are arranged for the following dates:
Thursday, June 30, and Friday, July 15.

**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 in the Men's Clubroom.

**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 Women's Clubroom.

**CHAUTAUQUA**

For the ninth 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.

LECTURES

June 28-29. Miss Theda Gildemeister, of the faculty of the State Normal School, Winona, Minnesota, will be the first of the Summer School lecturers. Miss Gildemeister has a national reputation as a Normal School and Teachers College teacher, and because of her great success as the writer of the Minnesota State Course of Study.

June 30. Dr. George D. Strayer is an outstanding leader among American educators. His department of school administration in Teachers College, Columbia University, is the largest influence in administrative progress in the public schools of the United States. Dr. Strayer has won notable success also as author and lecturer. "The Place of Teaching in the Public Service" is the subject Dr. Strayer will discuss.

July 1. Dr. Ernest Horn, of the Faculty of Education, State University of Iowa, has won rapid recognition as a contributing student of education. His work as a member of the executive committee of the National Society for the Study of Education has been very valuable. Dr. Horn will present some results of his intensive studies of elementary education.

July 5. Lorado Taft, of Chicago, the famous authority on American sculpture and sculptors, will give two lectures July 5. He will speak on "Beauty in the Home Town," and will give an illustrated lecture in the evening.

July 11. Hon. Hugh S. Magill, field secretary of the National Education Association, will lecture on "The National Outlook in Education." Mr. Magill’s work in the State of Illinois marked him as an educational leader of most unusual effectiveness, and present success has fully justified the acceptance by him of his strategic position of national leadership.

July 22. Miss Cleo Murtland is associate professor of industrial education in the University of Michigan. Miss Murtland is a normal school graduate who appreciates the problems of teachers. Her success as a lecturer is winning for her rapid recognition in this state.
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 summer in the counties near Kalamazoo, all teachers are urged to take advantage of the unusual privileges offered here.

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 substitution 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.
INFORMATION FOR BEGINNING TEACHERS

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.

By a state law passed in 1915 no teacher's certificate can be granted to any person without experience unless he has had at least six weeks of professional training. The State Superintendent of Public Instruction has specified that the required professional training shall consist of six weeks of each of the following: Observation and Practice Teaching; The Teaching of Reading; The Course of Study and Class Management; Physical Training; and six weeks of any one of the following: Agriculture, arithmetic, geography, history, grammar, language, physiology, writing, music, and drawing. This summer term as in previous years the first two specified six weeks requirements—Observation and Teaching Reading will be combined into one twelve weeks course called Method and Reading. This is done to simplify observation schedules in the Training School.

A part of the questions for all grades of certificates in the teachers' examinations for April and August, 1921, will be based on the State Teachers' Reading Circle books for 1920-21, and a part on certain bulletins issued by the Department of Public Instruction.


The bulletins of the Department of Public Instruction which will be considered in the preparation of questions are Bulletin No. 4, The Teaching of Reading; Bulletin No. 10, Word Study and Spelling, and Bulletin No. 30, Language Lessons.
DETAILS OF DEPARTMENTS

SPECIAL SUMMER COURSES

Harvey H. Lowrey, Director

BIOLOGY

A. Teachers' Physiology. A brief course covering the essentials of physiology and hygiene. While the functions of the various systems of the body will be especially emphasized, yet enough anatomy will be given to furnish an understanding of the various organs. Hygienic considerations will be adequately treated. Bring all available textbooks. 6 weeks' credit.

Mr. Place.

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

Miss Hadley.

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

Miss Hadley.

EDUCATION

A. Management and Course of Study. It will be the aim of this course to make as careful a study of the State Course of Study for Rural Schools, School Management and Law as the time will permit. Students having books or references on these subjects will do well to bring them. 6 weeks' credit.

Miss Carter. Mrs. Goodrich. Mr. Livermore.

B. Method and Reading. This is a course in principles of
teaching adapted to the needs of summer term students who expect to teach in rural schools. Observations will be made regularly in the training school on the campus and in the rural training school at Oakwood. Special emphasis in this course will be given to the teaching of reading. The State Department bulletins on Reading and Word Study, and Freeland’s Modern Elementary School Practice will be used.

Miss Ensfield.  Miss Williams.  Miss Skinner.
Miss Kelly.  Miss Miller.  Miss Battle.
Miss Hebeler.

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 Smith’s What Can Literature Do For Me. Six 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 State Department Bulletin No. 30, Language Lessons. 6 weeks’ credit.

Miss Ratliff.

GEOGRAPHY

A. Geography. This course is worked out with the needs of the rural school definitely in mind. It consists of a study of (a) principles of geography, and (b) the geography of regions. 6 weeks’ credit.

Mr. Wilcox.

HISTORY

A. General History. A general survey of the subject, intended primarily for teachers preparing to take the examination for a second-grade certificate. 12 weeks’ credit.

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

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.

Mr. Longman

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

Miss Townsend

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.

Mr. Longman.

**PHYSICAL EDUCATION**

A course in Plays and Games will be given to all students taking special summer courses. This course will consist of graded games to be used on the playground and during recess period. Attention will be given to material as designed in the Michigan Bulletin of Physical Training. Also one period taken from the physical education requirement will be given over to lectures in hygiene.

Gymnasium shoes or soft rubber soled shoes will be required of all students taking the Plays and Games course. Sections will be formed for both men and women.

Miss Hussey. Miss Worner. Mr. Taylor.
PHYSICS

A. Teachers' Physics. The aim in this course is two-fold: (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. Fox.
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 NETZORG.

104. Handwork. 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 STEVENSON.

112. Decorative Design:

Batik work—colored surface patterns and borders applied to linens, silks and other materials with a process called "wax resistance."

Parchment shades—the frames may be purchased with or without paper attached. Suitable designs for curved surfaces are then planned and applied with tempera, transparent or oil colors.

Patchwork designing—working with a material such as gingham, felt, or Japanese crepe, designs are cut out to be appliqued on linen, crepe or oil cloth. Problems such as dresser sets, curtains, bed spreads, smocks and school bags are suitable for this work.

These are a few of the many problems to be offered in the design course for the summer term. 12 weeks' credit. MISS STEVENSON.

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

MISS NETZORG.

120. Dynamic Symmetry. An advanced course planned for art teachers, supervisors and grade teachers wishing to specialize in art. It explains and applies the rediscovered principles of Greek design to the needs of modern art in the schools. Pure design in tone-and line will be followed by composition of nature forms and the human figure, both in values and in color. 12 weeks' credit.

MISS NETZORG.

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.

112. Hygiene of School Child. A course for teachers dealing primarily with such problems as malnutrition in school children, factors influencing growth, physiological differences between children and adults, schoolroom ventilation. Personal hygiene and prevention of contagious diseases will not be lost sight of. Terman's The Hygiene of the School Child will form the basis of the course. 6 weeks' credit.

MR. PLACE.

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

Mr. Place.

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

DR. HARVEY.

120. Organic Evolution. The main purpose of this course
SCIENCE BUILDING.
SPECIAL LECTURERS FOR THE SUMMER TERM, 1921.

1. Lorado Taft; 2. Dr. George D. Strayer; 3. Miss Theda Gildemeister;
1. SWIMMING POOL IN THE GYMNASIUM; 2. A CLOSE FINISH ON WESTERN NORMAL'S CINDER TRACK.
FIRST GRADE, TRAINING SCHOOL SHOWING STUDENT PRACTICE TEACHERS AT WORK.
SENIOR CLASS PLAY IN OPEN AIR THEATRE.
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. Open to advanced students only. 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.

125. Bird and Tree Study. The class will meet four times a week. Early morning tramps will be taken several times during the course for special bird study. The common trees of Michigan will be studied. 6 weeks' credit. Miss Hadley.

CHEMISTRY

101. General Chemistry. This course covers the first term's work in general college chemistry. Laboratory work is required. Twice daily. 12 weeks' credit. Dr. McCracken.

113. 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 department of commerce studies should communicate with Mr. Loring at their earliest convenience.

103. Shorthand. An application and discussion of the prin-
ciples of the system, dictation at moderate speed and extensive reading of shorthand plates. Prerequisite: Course 102 or equivalent. 12 weeks' credit.  

104. Shorthand. Graded dictation, transcription and methods of teaching shorthand. The course is open especially for shorthand teachers. Prerequisite: Course 103 or equivalent. 12 weeks' credit.  

108. Business Arithmetic. The study is introduced through all commercial work and is presented as an arithmetical study of business processes. Mental arithmetic and problem analysis are factors of this course. 6 weeks' credit.  

110. Office Management. Principles of office administration, location, layout, methodizing, communication, control of correspondence and other activities. A detailed discussion of filing. Laboratory dictations. 6 weeks' credit.  

111. Letter-writing. Designed to develop facility in various forms of letter-writing for business use; to establish standards of judgment for form and expression by an analysis of the principles embodied in the best modern business letters; to develop individuality of style. Prerequisite: Shorthand 103 or equivalent. 12 weeks' credit.  

114. Methods of Commercial Teaching. Methods of attack are considered in detail in each subject classified as commercial. The high school curriculum is discussed with references to educational and vocational value. 12 weeks' credit.  

1A. Typewriting. Offered to high school students for credit and to normal students for observation. A model class in which the best methods are used and new methods introduced as experiments. A correct knowledge of the keyboard and similar mechanisms of the machine are taught. Speed is not considered. 6 weeks' high school credit.  

EARLY ELEMENTARY EDUCATION  

101. Early Childhood Education. A course planned primarily to acquaint the student with the fundamental characteristics of childhood—its interest and instincts, its physical nature
COURSES OF INSTRUCTION

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.

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.

104. Beginning Reading. This course deals largely with the physiological, psychological, and pedagogical problems found in teaching little children to read. A study is made of kindergarten activities which may be used as a basis for beginning reading. Emphasis is placed on the study of 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.

EDUCATION AND PSYCHOLOGY

101. Principles of Teaching. (1) A study of the elementary school curriculum with consideration of various topics suited to the interest and needs of children in each grade. (2) A discussion of types of lessons and making of lesson plans. (3) Systematic observation of different phases of grade work with reports and class discussion. Prerequisite to all practice teaching. 12 weeks' credit.

129. School Administration. This is a course for superintendents, principals, departmental teachers, and junior high school teachers, and for any others who have any considerable executive relationship to the administration of the schools in connection with part time or whole time teaching. The constantly recurring questions of school organization, control, rec-
ords, classification, equipment, and improvement will be concretely considered. Elective. Open to advanced students only. 12 weeks' credit.

**Psychology**

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

Mr. Lowrey.

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.

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.

104. **Statistical Methods.** A course in statistical theory and usage for students who plan to do work with mental and educational tests and scales. Some of the topics treated in this course are: Standard methods of handling data; computation of averages, deviations, correlations, etc.; graphic representations; administrative statistics, etc. Students desiring to major in Psychology are advised to elect this course before taking courses 105 or 107. 12 weeks' credit. To be offered only in case there is sufficient demand for it.

Mr. Renshaw.

105. **Mental Tests.** A practical course in the application of all kinds of psychological tests and scales. Laboratory training in the use of both group and individual tests for mental classification is given. Prerequisites: Courses 101 and 102. Course 104 should be taken if possible before entering this course. Not open to first-year students. 12 weeks' credit.

Mr. Renshaw.

106. **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
COURSES OF INSTRUCTION

practice. Not open to first-year students and must be preceded by Psychology 101 and 102. 12 weeks' credit.

Dr. Henry.

107. 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. To be offered only in case of sufficient demand for it. 12 weeks' credit.

Mr. Renshaw.

108. 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.

109. The Gifted Child. A course in the psychology and pedagogy of the child of superior mental endowment. Not open to first-year students. Prerequisites: Courses 101, 102, and usually 103. 12 weeks' credit.

Dr. Henry.

118. Psychological Clinic. Clinics will be held each Wednesday afternoon between 1 and 4. Opportunities for clinical study are thus made available for advanced students. No credit unless in conjunction with course 107. 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 prac-
tice 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.

**Mrs. Biscomb. Miss Simmonds. Miss Gregg.**

**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. **Miss Rawlinson, Mrs. Biscomb.**

**112. American Literature.** The course is intended for students who did not have a comprehensive course in American literature in the high school. The work will consist of a general survey of the whole field of American literature and a special
121. **Masterpieces.** The purpose of this course is to acquaint students with the methods of studying and presenting various types of literature. Such masterpieces as *The Faerie Queen*, *Tom Jones*, *Wordsworth's Prelude and Excursion*, and *The Idyls of the King* will be read and analyzed. Reports and one long essay will be required. Open to advanced students only. 12 weeks' credit.  

**Dr. Brown.**

122. **The Short Story.** This course aims to trace the development of the short story in England, France, and America, with an account of its various types, and its general technique. The required reading will serve to acquaint the student with the best short stories and the method of teaching such material. Themes and reports will be required. Open to advanced students only. 12 weeks' credit.  

**Dr. Brown.**

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**GEOGRAPHY**

101A. **General Geography.** A study of the chief climatic types and their influences upon life. Brief attention is given to the major mathematical elements of the earth and the general principles of map-making. The following regions are studied.

1. The Tropical Rain Forests: The Amazon Valley.
2. Savannas: The Sudan.
3. Tropical Deserts: Sahara and Arabia.

12 weeks' credit.  

**Miss Harrison.**

101B. **General Geography.** A study of specific regions to illustrate the influence in the life of the people of the geographic elements—location, climate, relief, minerals and soil, coastline, waterways, etc. The work is based upon school texts, and will include a study of plans of the various authors in presenting material, a study of the problem method in geography, and in general of the methods of handling the texts now in use in the grades. Prerequisite: Course 101A. 12 weeks' credit.  

**Mr. Wood.**
103. Geography of Europe. A study of the geography of Italy, France, Spain, the British Isles, Sweden, the Balkan States, and Russia. Not open to first-year students. 12 weeks’ credit. Mr. Wood.

109. Economic and Commercial Geography. The geographic factors influencing industry and commerce; the geography of the regions in which important articles of commerce are produced; the principal trade routes of the world; trade centers; important commercial areas. 12 weeks’ credit. Miss Harrison.

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 or 12 weeks’ credit. Miss Thielemann.

108. Nutrition. 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 or 12 weeks’ credit. Miss Moore.

CLOTHING


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 Mattison.
HISTORY AND THE SOCIAL SCIENCES

History

101. United States History. To 1789. Starting with the European background of American History this course treats the origin and growth of the colonies, discusses their relation to the mother country and shows why and how the independence of the United States was established. Special attention is given to the beginnings of state and national governments. This course is the first of a sequence of three courses covering a year's work in American History. The second and third courses in this subject will be given in succeeding summer terms. Elective. 12 weeks' credit.

Mr. Burnham.

116. American History. 1750-1789. This course will begin with a survey of the American people at the close of the Colonial period and will include the struggle between England and France for the control of North America, the development of the causes of the Revolution, the story of the Revolutionary War, and the beginnings of American government in the states and in the new nation. Open only to third and fourth year students. Elective. 12 weeks' credit. Summer Term.

Mr. Burnham.

108. Modern Europe. 1763-1870. European life in the eighteenth century, the French Revolution, the era of Napoleon, the industrial revolution, reaction after 1815, the rise of democracy and nationality in the nineteenth century. This course is the second of a sequence of three courses covering a year's work in Modern European History. The third and first of these courses will be given in succeeding summer terms. Elective. 12 weeks' credit.

Mrs. Goodale.

Government.

101. Community Civics. The aim of this course is: (1) to show the importance of health, protection of life and property, recreation, education, wealth, civic beauty, transportation, communication, labor, charities, etc., as elements of community welfare; (2) to present the state, local and private agencies that exist to foster these elements; (3) to stimulate an active desire for intelligent response to civic obligations. Elective. 12 weeks' credit.

Mr. Moore.
Economics

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.

Sociology

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. This course is open to all students including those enrolled in Extension. Textbook, Phelan’s Readings in Rural Sociology. 12 weeks’ credit. Mr. Lowrey.

Latin

Review of Beginning Latin.* A course designed to meet the needs of those who desire a complete review of the first year of Latin. No credit. Miss Kraft.

*Note: Candidates for the Bachelor of Arts degree may elect this course without previous preparation. 12 weeks’ credit.

2 or 101. Selections from Cicero. Sallust and Caesar’s Civil Wars will be read. Credit will apply on second or third year Latin or on Normal credit. 12 weeks’ credit. Miss Kraft.

Library

101. Library Methods. A course of ten lessons on the use of the Library will be offered during the Summer Term. This course is required of all students, preferably during their second year. No credit. Two periods a week.
COURSES OF INSTRUCTION

MANUAL 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. Sherwood.

102. Woodshop. A more advanced course in wood-working. Attention is given to the technic of tools, grinding, and sharpening, wood finishing, consideration of courses of study, elementary lathe and pattern work including molding and casting in soft metals. 12 weeks' credit. Fee $3.00. Mr. Sherwood.

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

106. Machine Shop Practice. Instruction in the use of the various machine tools, the lathe, drill press, milling machine, planer, tool grinder on practical shop projects, including a 2 H. P. gasoline engine. Fee $3.00. 12 weeks' credit. Mr. Weaver, Mr. Tabraham.

108. Mechanical Drawing.
A. A course for those who have had no previous preparation. Instruction is given in the use and care of instruments, penciling simple line exercises, geometric problems, lettering and inking. 12 weeks' credit. Mr. Huff.

B. A course in the theory and fundamentals of working drawings, surface development, orthographic, isometric and cabinet projection, lettering and inking. 12 weeks' credit. Mr. Huff.

C. Screw threads, standard fastenings, simple machine drawings with details and assemblies. Shop sketching. 12 weeks' credit. Mr. Huff.
A. Elementary machine design. Cams, gears, link motions, shop drawings, tracing, blue printing. 12 weeks' credit. Mr. Huff.

B. Continuation of shop drawing, sketching, working drawings of machine details, semi-original machine design and detailing. 12 weeks' credit. Mr. Huff.

C. Large assembly and cross-section drawing of gasoline engines or power-driven machinery. 12 weeks' credit. Mr. Huff.

112. Architectural Drafting.
A. Architectural lettering, conventions, details of house framing and construction original plans for summer cottage or small building, estimating, etc. 12 weeks' credit. Mr. Huff.

B. Semi-original architectural drawing. Study of prize houses, architectural styles, influence of prominent architects, lectures and lantern slides. 12 weeks' credit. Mr. Huff.

C. Continuation of architectural drawing. Original plans, elevations, details, tracing, blue printing. 12 weeks' credit. Mr. Huff.

116. Printing. A beginners course in printing in which the fundamentals of job printing and their application to Junior High School Classes are thoroughly worked out. Includes trips to the commercial print shops and lectures by competent men from the trade. 12 weeks' credit. Mr. Sherwood.

117. Auto Mechanics. A study in the operating principles of the internal combustion engine and the function of the various units in the automobile chassis including practical garage problems in repairs and adjustments. Fee $3.00. 12 weeks' credit. Mr. Weaver, Mr. Tabraham.

120. Theory and Practice. A combination recitation and lecture course in subjects directly connected and allied to manual training in general. It covers history and development of manual training, courses of study, shop invoices, shop practice, administration, manufacturing of lumber, iron, etc., location and setting up of equipment, book reports, illustrated talks, etc. 12 weeks' credit. Mr. Huff.
MATHEMATICS

101. Arithmetic. A teachers' course. To elect this course the student should have a knowledge of geometry and of the beginners' 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. Cain.

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

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. Cain.

121. Differential Equations. A study of ordinary and partial differential equations designed for third and fourth-year students majoring in mathematics. This course is especially valuable for advanced students of physics and for those working toward an engineering degree. A knowledge of integral calculus is a prerequisite. Class meets daily. 15 weeks' credit. Mr. Blair.

MODERN LANGUAGES

French

110. Elementary French. A course that requires, as a prerequisite, at least the beginnings of pronunciation and principles of grammar. It will have as its purpose review of the work already done, the acquiring of a vocabulary, the reading of simple French and elementary conversation. In order that the course may be made flexible, to the needs of the students, it is requested that all interested see the instructor before enrollment. Twice daily. 12 weeks' credit. Mrs. Hockenberry.

111. Advanced French. The texts will probably be selected from prose writers on the 19th century and the leading phases of the political artistic and social life of the period will be studied as a background. It is intended for those who wish to emphasize
reading and conversation. If desirable, there can be, once a week, a discussion of phonetics and such problems as pertain to the teaching of French. Advise with instructor before enrolling. Twice daily. 12 weeks' credit. MRS. HOCKENBERRY.

MUSIC

All work done in the Music Department will be credited toward the regular music course or applied on a degree.

Negotiations are pending for a concert to be given by some artist of national reputation. A student recital will be scheduled during the term.

Communities are looking to the supervisors of music as the logical leaders in musical activities. The outlook for a great growth and development in the musical world through the public schools is more in evidence than ever before in the history of education. It is in anticipation of this more extended musical activity that the Western State Normal is offering courses to promote the music life and growth in Michigan. Special courses are being scheduled to meet the demands of Music Supervisors.

In addition to the regular work the following new courses will be offered:

128. Musical Administration; 129. Song Repertoire, and 130. An opera suitable for high school.

128. Musical Administration. The course in Musical Administration will be of special interest to music supervisors as it will deal with the music problems as they exist in the various communities. The following topics will be discussed and outlined:

Musical Activity.
Music Memory Contest.
Concerts and Festivals.
Class Instrumental Music.
Music Clubs.
Material for High Schools.

129. Song Repertoire. This course is designed to acquaint the students with the new material that is available in the song world. Many excellent songs are coming from the pens of our American composers.
130. High School Opera. Several of the standard operas are being arranged for High School use. One or two of these will be used and presented during the summer school. This sort of work is meeting with the most hearty commendation. Communities are looking to the supervisors of Music as the logical leaders in musical activities.

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 in Music, and in Art and Music courses. Miss Liddy.

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, 6 weeks. Mr. Maybee.

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

108. Primary Songs and Games. This course is a suggestive one for teachers in the primary grades as well as for specializing students. The following phases will be developed: Rhythm—feeling for and interpretation of different rhythms through games, balls, percussion instruments, folk dances, and rhythmic steps. Songs—a sequence applicable to seasons and school 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. 12 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. 12 weeks' credit.

Miss Liddy.

114. Advanced Harmony and Musical Composition. This 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.

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

Mr. Maybee.

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

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 will 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.

PHYSICAL EDUCATION AND COACHING FOR MEN

113S. Football Technique. Fundamentals: position of each player on offense and defense, all forms of kicking, tackling and blocking; principles of interference, and carrying the ball; execution of the forward pass. A practical system of offense and defense will be taught with consideration to the conditioning and handling of a team. At least one week will be devoted to soccer football. Lectures and football field work. 6 weeks’ credit.  
Mr. Spaulding, Mr. Read.

115S. Basketball Technique. Fundamentals; handling of the ball; passing, goal throwing, pivots, and stops; dribbling, team play, and actual competition. Theory of coaching and study of different offensive and defensive systems taught throughout the country. A complete practical system in itself will also be taught. Lectures and floor work. 6 weeks’ credit.  
Mr. Read.

119S. Technique of Track Athletics. Practical instruction in starting, sprinting, distance running, hurdling, high and broad jumping, pole vaulting, shot putting, discus and javelin throw. Preparation of contestants for standard events; rules of competition; intensive study of physical condition, including endurance, speed, and fatigue, with view to promotion, management, and officiating of games and meets. Lectures and athletic field work. 6 weeks’ credit.  
Mr. Taylor.

108S. Gymnastic Theory. Graded exercises for elementary grades and high school.  
Graded apparatus work, school room and play ground games; group athletics. 6 weeks’ credit.  
Mr. Taylor.

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 WORNER.

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 HUSSEY.

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 WORNER.

Instruction in Tennis will be given each morning at 7 o'clock. Instruction in Swimming will be given Monday, Tuesday, and Wednesday.  

MISS HUSSEY, MISS WORNER.

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

102S. Alternating Currents. This course is designed especially for high school teachers of physics. Its aim is to make clear the distinction between alternating and direct currents and to give the students control in handling each. It is concerned with such problems as the design and function of the transformer; the measurement of impedance and power factor; current and voltage relations in sines and parallel circuits; relation between impedance, resistance and reactance; polyphase circuits; calculation of wire sizes for various distributing systems.
and converters and rectifiers. The widespread use of the alternating current today makes a knowledge of this course exceedingly valuable to the high school teacher of physics. Class meets five times weekly, 1 hour period. 6 weeks’ credit. Mr. Fox.

101C. Heat and Light. This course is equivalent to the work done during the spring term and together with 101A and 101B constitutes one year’s work in General Physics. These courses will be given in succession during summer terms thus enabling students who are unable to attend during the year to get a year’s work in three summers. Class meets for 2 hour periods five times weekly. The student should spend 4 hours weekly in laboratory in addition to the class work. 12 weeks credit. Mr. Fox.

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.

Two courses are offered for the preparation of teachers of rural schools.

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.

Subjects which may be applied directly to the completion of either one of the foregoing courses are offered in the Summer Term. There are offered a long list of Special Summer Courses as described in pages 19 to 22 in this Bulletin. Credits gained in these special courses may be applied toward the completion of
any regular normal school certificate course as specified on page 15.

Summer Term students who are interested in the completion of the Life Certificate Course in Rural Education or the Limited Certificate Course should confer with Miss Skinner. Students interested in preparing for County Normal School work should consult with Miss Farnham. Dr. Burnham will be at the Normal School for conference with students about any matter relating to the Rural Education Courses the first week, and the third and last Mondays of the Summer Term.

Attention is called to two rural education subjects offered this summer:

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. 12 weeks' credit. Miss Farnham.

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. This course is open to all students, including those enrolled in Extension. Textbook, Phelan's Readings in Rural Sociology. 12 weeks' credit. Mr. Lowrey.

SPEECH

101. Reading. This course aims to develop expressive reading and effective teaching of reading. It puts special emphasis on fundamental principles and therefore should precede other courses. 12 weeks' credit. Miss Shaw.

110. Argumentation and Debate. This course is being offered to meet the immediate need which has been expressed by many of the high school English teachers of the state who are being called upon to coach debate teams. In addition to a thorough study of the principles underlying augmentation, each member of the class will be given opportunity to take part in
several debates. The question to be debated next year in the state league will be studied and debated in the class. 12 weeks' credit.

TRAINING SCHOOL

105. Theory and Practice of Teaching. The Training School will be in session from 8:00 to 11:00 a.m. each day for the six weeks of the Summer Term and each supervisor in her daily lessons will aim to present proper material for use in the various subjects of the curriculum, such as nature study, geography, history, reading, language, and the special branches, including handwork, as well as to show good methods of teaching. Experienced teachers may observe daily and make a scientific study of the best methods of teaching the various branches. Aside from the daily observation the course will require reading, discussions, class criticism and conferences under the direction of the supervisor. Practical application and criticism of the newer teaching methods such as the socialized recitation and problem project teaching as it is carried out in the better schools will be part of the work. 12 weeks' credit.

The regular supervisors, special teachers in drawing, music, manual arts, physical training, and household arts will have charge of all work in the Training School.

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 11 o'clock hour for conference and general discussion with the observers in the grade.
NEW SUMMER COURSES OF SPECIAL INTEREST

Art Teachers:
Course 119, Commercial Art, page 23.
Course 120, Dynamic Symmetry, page 24.

Village and Rural School Teachers:
See Course 124, Club Leadership, page 25.

High School Teachers of Physics:
See Course 102S, Alternating Currents, page 42.

High School Teachers of English:
See Course 121, Masterpieces, page 31.
Course 110, Argumentation and Debate, page 44.

High School Teachers of Mathematics:
See Course 121, Differential Equations, page 37.

Athletic Coaches and Others with Some Supervision of Athletic Teams:
See Course 113S, Football Technique, page 41.
Course 115S, Basketball Technique, page 41.
Course 119S, Technique of Track Athletics, page 41.

Manual Art Teachers:
See Course 120, Theory and Practice, page 36.

Commercial Teachers:
Model Class in Methods of Teaching Typing, page 26.

Superintendents and Teachers of Special Classes:
See Course 104, Statistical Methods, page 28.
Course 105, Mental Tests, page 28.
Course 107, Clinical Psychology, page 29.
Course 118, Psychological Clinic, page 29.

Grade Teachers:
Course 105, Theory and Practice of Teaching, page 46.
Training School, page 45.

County Normal Teachers:
See Course 102, County Training Class Problems, page 44.

Music Teachers:
See Course 128, Musical Administration, page 38.
Course 129, Song Repertoire, page 39.
Course 130, High School Opera, page 39.

Nature Study Teachers:
See Course 125, Bird and Tree Study, page 25.