1919

15th Annual Year Book Western State Normal School 1918-19

Western Michigan University

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15th Annual Year Book

Western State Normal School

1918-19

INCLUDING

Announcements for 1919-20

AND

REGISTER OF STUDENTS

Kalamazoo, Michigan

1919
Western State Normal School

Dwight B. Waldo, A. M., LL. D., President

STATE BOARD OF EDUCATION

Hon. Frank Cody .................................................. President
Hon. A. M. Freeland ........................................... Vice-President
Hon. F. A. Jeffers ............................................. Treasurer
Hon. T. E. Johnson ............................................. Secretary

Hon. T. E. Johnson
State Superintendent of Public Instruction.

Regular meeting of the Board last Friday of each month.
### SCHOOL CALENDAR FOR 1919-20

(Holidays are printed in full-face type)

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Western State Normal School

ANNOUNCEMENTS FOR 1919-1920

1919

Sunday, June 22.................................................. Baccalaureate Address
Monday, June 23.................................................. Alumni Day
Tuesday, June 24.................................................. Commencement

SUMMER TERM

Monday, June 30.................................................. Classification of Students
Tuesday, July 1.................................................. Recitations Begin
Friday, August 8.................................................. Summer Term Closes

FALL TERM

Friday and Saturday, September 26-27.................................... Classification of Students
Monday, September 29.................................................. Recitations Begin
Saturday, October 4.................................................. Faculty Reception to Students
Thursday, November 27.................................................. Thanksgiving Recess
Friday, December 19.................................................. Fall Term Closes

1920

WINTER TERM

Monday, January 5.................................................. Winter Term Begins
Friday, March 26.................................................. Winter Term Closes

SPRING TERM

Monday, April 5.................................................. Spring Term Begins
Friday, June 18.................................................. Class Day
Sunday, June 20.................................................. Baccalaureate Address
Monday, June 21.................................................. Alumni Day
Tuesday, June 22.................................................. Commencement

SUMMER TERM

Monday, June 28.................................................. Summer Term Begins
Friday, August 6.................................................. Summer Term Closes

FALL TERM

Monday, September 27.................................................. Fall Term Begins
Social Calendar, 1919-1920

FALL TERM, 1919

Saturday, October 4—Faculty Reception to Students—Fischer's Orchestra.
Friday, October 17—Student Party—Fischer's Orchestra.
Thursday, October 23—Practice Teachers' Tea.
Friday, November 7—Student Party—Fischer's Orchestra.
Saturday, November 8—High School Party.
Thursday, November 13—Gymnasium Party.
Wednesday, December 3—Men's Supper.
Friday, December 5—Senior Party to Juniors—Fischer's Orchestra.
Monday, December 8—High School Play.
Sunday, December 14—Annual Presentation of Handel's "Messiah."

WINTER TERM, 1920

Friday, January 16—Student Party—Fischer's Orchestra.
Thursday, January 29—Practice Teachers' Tea.
Thursday, February 5—Gymnasium Party.
Friday, February 13—Student Party—Fischer's Orchestra.
Saturday, February 14—High School Party.
Wednesday, February 18—Midwinter Play.
Friday, March 5—High School Parent-Teacher Meeting.
Friday, March 12—Rural Progress Day.
Friday, March 12—Student Party—Fischer's Orchestra.
Wednesday, March 17—Dramatic Association Open Meeting.

SPRING TERM, 1920

Friday April 16—Junior Party to Seniors—Fischer's Orchestra.
Thursday, April 22—Practice Teachers' Tea.
Thursday, April 29—Arbor Day.
May—Sixth Annual May Festival. Date to be announced later.
Friday, May 7—Student Party—Fischer's Orchestra.
Saturday, May 15—High School Party.
Friday, May 28—Glee Club Concert.
Saturday, June 12—Senior Girls' Breakfast.
Thursday, June 17—High School Commencement.
Friday, June 18—Class Play.
Tuesday, June 22—Commencement, 10 o'clock.
Tuesday, June 22—Commencement Luncheon, 12 o'clock.
Y. W. C. A. Meetings, Wednesdays at 4 o'clock, Student Clubroom.
Faculty


*FLORENCE ALLEN........................................530 West Lovell St. Public School Music.

*MAUDE BAUGHMAN....................................301 Woodward Ave. English.

MAUDE BERGEN, B. S.................................939 Walwood Place Household Arts.

AMELIA BISCOMB, A. B..............................226 West Cedar St. English.

ALICE BLAIR, B. S.................................415 Pearl St. Household Arts.

HAROLD BLAIR, B. S.................................1220 Academy St. Mathematics.

ARTHUR E. BOWEN..........................................617 Pearl St. Industrial Arts.

WILLIAM R. BROWN, Ph. D.........................409 Locust St. English.

ERNEST BURNHAM, Ph. D..............................1532 Grand Ave. Director Department of Rural Education.

†SMITH BURNHAM, A. M..........................................................History.

BERTHA S. DAVIS................................218 Douglas Ave. Dean of Women.


*MARY ENSFIELD, A. B.................................422 Park Place Rural Education.

JOHN P. EVERETT, A. M..........................903 W. South St. Mathematics.


LUCY GAGE........................................415 Pearl St. Early Elementary Education.

EMELIA M. GOLDSWORTHY.........................105 W. Dutton St. Public School Art.

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* Resigned.
† Term begins October, 1919.
HARRY P. GREENWALL, B. L. ........................................Y. M. C. A. Penmanship.
GERMAINE GUIOT ...........................................510 W. Walnut St. Physical Education.
THEODOSIA HADLEY, M. S. ..................................828 W. Walnut St. Agriculture.
LUCIA C. HARRISON, M. S. ..................................527 W. Lovell St. Geography.
LEROY H. HARVEY, Ph. D. ..................................204 Monroe St. Biology.
FRANCES HASKELL ...........................................120 Thompson St. Physical Education.
THEODORE S. HENRY, Ph. D. ................................1410 Hillcrest Ave. Education.
*T. PAUL HICKEY, A. B. .....................................527 Academy St. History.
M. AMELIA HOCKENBERRY, A. B. .........................723 W. Lovell St. French.
JOHN C. HOEKJE, A. B. .....................................301 W. Dutton St. Education.
DORIS HUSSEY ..................................................510 W. Walnut St. Physical Education.
ELEANOR JUDSON .............................................623 W. South St. Public School Art.
ARTHUR L. LORING, A. B. ..................................1210 Academy St. Commerce.
VERA LUTJE, A. B. ...........................................202 E. Lovell St. History.
WILLIAM McCracken, Ph. D. ...............................918 Academy St. Chemistry.
LAURA MICKEY, A. M. .......................................160 Thompson St. Mathematics.
†F. W. MOORE, A. B. ........................................Economics and History.
MARY MOORE .................................................220 Elm St. Household Arts.

* Resigned.
† Term begins October, 1919.
ROSE NETZORG ..................................................528 West Cedar St. Public School Art.
ELEANOR RAWLINSON ..........................................438 Academy St. English.
SAMUEL RENSHAW, A. B. ........................................420 West Cedar St. Education.
LOUSENE ROUSSEAU, A. B. .......................................416 Locust St. Speech.
DOROTHEA SAGE ..................................................511 Woodward Ave. Public School Music.
LAURA V. SHAW, A. M. ........................................721 W. South St. Speech.
MARION J. SHERWOOD, B. S. ...................................1936 Oakland Drive Industrial Arts.
MARIAN SPAULDING ...............................................729 Walwood Physical Education.
WILLIAM H. SPAULDING, A. B. ............................1337 Hillcrest Ave. Director of Athletics.
†MARGARET SPENCER ...........................................710 W. Lovell St. Public School Art.
LAVINA SPINDLER .................................................827 S. Park St. Education.
GEORGE SPRAU, A. M. ...........................................949 Walwood Pl. English.
ELAINE STEVENSON ..............................................311 Woodward Ave. Public School Art.
MABEL THIELMAN ..................................................132 Catherine St. Household Arts.
MADELEINE WISELEY .............................................422 Eleanor St. Commerce.
L. H. WOOD, A. M. ..............................................939 Walwood Place Geography.
ELISABETH ZIMMERMAN, A. M. .........................438 Academy St. Latin and German.

* Resigned.
† Absent on leave, 1919-20.
TRAINING SCHOOL

FRANK E. ELLSWORTH, A. B......................... 910 W. Lovell St.
Director.
LAVERNE ARGABRIGHT.............................. 858 W. Lovell St.
Critic.
FANNIE BALLOU...................................... 723 W. Lovell St.
Critic.
MINNIE CAMPBELL.................................. 409 Pearl St.
Critic.
V. FRANCES COPPENS, B. S....................... 723 W. Lovell St.
Critic.
RUTH MILLER, A. B................................ 906 W. Lovell St.
Critic.
KATHERINE MULRY, B. S.......................... 608 W. Walnut St.
Critic.
MARY MUNRO, Ph. B................................ 709 Hawley St.
Rural Education.
EDITH SEEKEL...................................... 530 W. Lovell St.
Critic.
*IRENE STEELE..................................... 530 W. Lovell St.
Critic.
LOUISE STEINWAY, B. S........................... 838 W. Lovell St.
Critic.

LIBRARY

ESTHER BRALEY, A. B.............................. 1514 Spruce Drive
ANNA L. FRENCH.................................... Rural Route 8
MARY T. McMANIS.................................. 1551 Spruce Drive
ATTA CHAPMAN..................................... 132 S. Prairie Ave.

OFFICES

EUGENE D. PENNELL, Sec.-Registrar........... 1503 S. Grand Ave.
NATALIE E. MURPHY, A. B....................... 831 West Lovell St.
BERNICE HESSELINK.............................. 506 Village St.
MARIE C. COLE...................................... 316 West Vine St.
LEAH SMITH......................................... 701 Davis St.
LUCILLE FLEUGAL.................................. 810 Davis St.

* Resigned.
Standing Committees, 1919-20

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

Appointment Committee—Ellsworth, Gage, Henry, Davis, Burnham, Everett.

Assembly Exercises—Everett, Maybee, Shaw.

Athletics—Renshaw, McCracken.

Course of Study, Schedules, and Enrollment—Sprau.

1. Course of Study—Henry, Zimmerman, Harrison, Ellsworth, Burnham, H. Blair.

2. Schedules—Hoekje.

3. Entrance Requirements—Brown, Munro, H. Blair.

4. Extra Studies—Fox, Des Marais, Davis.

5. Course Advisors—
   A. General—Ellsworth, Spindler, McCracken.
   B. Life Certificate—
      Early Elementary—Gage, Ballou.
      Later Elementary—Henry, Harrison.
      Rural—Burnham, Munro.
      Junior High School—Rawlinson, Seekel.
      Senior High School—Fox, Zimmerman.
      Art—Goldsworthy, Judson.
      Music—Maybee.
      Household Arts—Blair, Moore.
      Industrial Arts—Sherwood, Bowen.
      Commercial—Loring.
      Physical Education—Guiot.
   C. Limited Certificate—Burnham, Munro.
   D. A.B. Degree—Sprau.
   E. High School—H. Blair.

Extension—Hoekje, Wood, Spindler, Harvey.

Health—Harvey, Ellsworth, Davis, Guiot, Hadley.

Lectures and Entertainments—Zimmerman, Rawlinson, Maybee, Rousseau.
Social Life—Davis, Brown, Guiot, Shaw, Netzorg, Place, Greenwall, Wood.

Student Organizations—
Amphictyon Society—Shaw, Place, Thielman.
Normal Literary Society—Rousseau, Renshaw, Munro.
Y. W. C. A.—Spindler, Hockenberry.
Y. M. C. A.—Hockje, Greenwall.
The Western State Normal School is located at Kalamazoo, the county seat of Kalamazoo County, in the heart of southwestern Michigan. In beauty, in accessibility, and in general educational advantages this thriving city of 45,000 inhabitants affords an ideal location for the school.

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.

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

The Normal School has the advantages of neighborhood with other institutions of kindred purpose. The Public Library, under the charge of the City Board of Education, has a well-chosen collection of 50,000 volumes. Kalamazoo College, Nazareth Academy, and the Public Schools give for the one community notable opportunities for education.

**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 Western State Normal School has
planned courses of study 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 co-operation 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.

**GROUNDS**

**Campus.** The school is located on a commanding bluff west of the valley in which Kalamazoo lies, nearly opposite the central part of the residence section of the city, and within a mile of the business district. From the various sites offered by the citizens of Kalamazoo, the tract of twenty acres on Prospect Hill was chosen by the State Board of Education as combining to an unusual degree natural beauty with practical advantages. From the hilltop one gains a magnificent view of the city and the river valley. Much of the tract is wooded, and in the preparation of the ground special care has been taken to save the natural forest. The street railway runs along the western border of the site, while within three blocks on the east are situated the High School, the Manual Training School, and the Vine Street School, of the city system.

**New Athletic Field.** The new athletic field was purchased at a cost of $12,000 in the fall of 1913. The grounds, more than thirteen acres in extent, lie between the Michigan Central Railroad and the Eames mill race. One corner of the new field is less than eight rods from the nearest point of the Normal School campus, so that in accessibility the location is ideal. The base-
ball diamond is in use and the work of grading the entire field is nearly completed. A quarter-mile running track and a football gridiron have been constructed. The field, when completed, will include two baseball diamonds, two football fields, and several tennis courts. Bleachers for baseball, football, and track have been provided. In facilities for outdoor recreation and athletics, the new athletic field will be second in Michigan, only to Ferry Field.

New Purchases of Land. Important additions to the land holdings of Western State Normal have been made recently. Among these is the Fletcher property, a magnificent building site fronting on Oakland Drive. This property is fourteen rods in width and extends 440 feet east on Austin Street.

Other important purchases consist of land lying between Michigan Avenue and Oakland Drive, northeast of the present athletic field. This holding includes the factory building operated many years by Mr. Gardner Eames. The new Industrial Arts building will be erected on the triangle consisting of the purchases referred to above.

BUILDINGS

The buildings are five in number, thoroughly modern, and admirably adapted to the purposes for which they were intended. While the present buildings are inadequate for the growing needs of the school, a running appropriation for buildings, made several years ago and now available, is abundantly sufficient to provide for immediately future expansion, as soon as conditions brought on by the war will have so changed that erection of buildings may be expedient.

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.

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 meet in the Gymnasium.

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

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

### GENERAL EQUIPMENT

The Western State Normal is adequately provided with up-to-date equipment to do thoroughly the work for which it was established. The School is well organized into departments, and each department is splendidly equipped to do superior work in its particular field. The departments of Art, English, Languages (Ancient and Modern), Mathematics, Music, Rural Education, and Speech have convenient and attractive classrooms and lecture-rooms, distributed, for the most part, on the various floors of the Administration building. In addition to excellent library facilities these departments are constantly adding to their equipment such apparatus and instruments as are necessary for present-day high-grade instruction.

**Physical Education.** The Gymnasium is modern in equipment as in design. Sufficient apparatus is at hand for excellent work in physical education and indoor athletics.

**Commerce.** The new Department of Commerce has adequate quarters in the basement of the Science building. Complete equipment has been provided for first-class work.

**Household Arts.** The Department of Household Arts is in every way thoroughly equipped to do satisfactory work. Spacious kitchens and laboratories for courses in cooking, home
nursing, and home sanitation and management, are located in the basements of the Administration, and Training School buildings. Here also are the shops for sewing, millinery, and other arts of the home. Four thoroughly trained teachers are in charge of different phases of this work, and a uniformly high grade of efficiency is assured.

**Industrial Arts.** The Department of Industrial Arts is well provided with apparatus for all lines of work, having in the machine shop a planer, drill press, emery grinder, a motor-driven saw, and six speed lathes, five of which are individual motor driven. This shop also contains six steel-covered benches equipped with vises for work in chipping and filing. The forge shop contains twelve down-draft forges and a combination shear and punch. The wood-turning and pattern-making room contain fifteen lathes, twelve of which are the under-drive type and three are motor-head type, a band saw, motor-driven joiner, motor-driven emery grinder, and bench trimmers. The cabinet-making equipment consists of a motor, joiner, universal saw, surfacer, and band saw.

**Science.** The new Science building has made possible vast improvements in the facilities for work in education and natural science. More commodious quarters and more thorough equipment have immeasurably increased the general efficiency of the various departments.

The Department of Biology is located on the second floor of the Science building. Several classrooms especially designed to meet the needs of the department have been provided, together with separate laboratories for special work in physiology, hygiene, general biology, botany, zoology, and agriculture. The department is in every way thoroughly equipped with the instruments and apparatus necessary for high-grade work in the various phases of biological study.

The Department of Chemistry occupies commodious and well equipped quarters on the third floor of the Science building. The following new pieces of apparatus have been purchased: a delicate analytical balance, six good balances for general student work, a Parr calorimeter, electric combustion furnace, electric drying apparatus, heat engine, a good spectroscope, gas analysis apparatus, a new still for distilled water, platinum ware for quantitative analysis, graduated flasks and apparatus for volumetric work, and much glassware and chemical material for general chemical work.

The Department of Geography is located on the first floor in the Science building, where two classrooms, a laboratory, a
reading-room with a reference library, and a photographic dark room greatly increase the range and efficiency of the work. The equipment consists of (1) all the current publications of the United States government—geological, agricultural, commercial, and industrial; (2) current geographic journals; (3) topographic maps, folios, several hundred general maps, wall maps, globes, etc.; (4) 2,000 slides, and a large collection of rocks and minerals for illustrating commercial geography; (5) a full set of meteorological apparatus; and (6) apparatus for illustrating physical geography.

The Department of Physics occupies the north half of the upper story of the Science building. This consists of a lecture-room, two stockrooms, two large laboratories, a large dark room for photometric and spectrum work and photography, a smaller dark room for individual use, a shop, and an office where students may meet with the instructor for conferences. A complete equipment of apparatus for class demonstration and individual laboratory work has been added, including a motor generator for charging storage batteries, polariscopes, spectrometer, Geissler tubes, X-ray tubes, induction coil giving six-inch spark, wireless telegraphy, a supply of Weston standard meters for both direct and alternating current work, porte lumiere stereopticons and all other apparatus found in a first-class laboratory. The tables of the laboratories are each supplied with gas and with both direct and alternating current through double pole switches from central switch boards. The shop for construction and repair of apparatus is equipped with workbench and complete set of tools. The large dark room is provided with double entrance so that students may leave and enter without disturbing any photographic work that may be in progress. This dark room is also thoroughly ventilated by a fan which is controlled by a switch installed in the dark room.

The Department of Education and Psychology now occupies quarters on the first floor of the Science building. In addition to well equipped offices and recitation rooms, two large laboratories, a dark room, and a workshop for the construction of special apparatus have been assigned for the exclusive use of the department. The library contains complete files of the more important psychological journals as well as a large list of the standard works of reference on the general subject of education. During the past year many additions have been made to the equipment of the department, so that all of the instruments necessary for a standard course in experimental psychology are at the disposal of the student. Chronoscopes, kymographs,
tachistoscopes, plethysmographs, ergographs, rotators, aesthesiometers, Franz Perimeter, Politizer Acoumeter, Cogan Prism Chart, automatographs, etc., constitute a part of this equipment. The department also possesses a Bausch and Lomb balopticon of the latest model for slide and opaque projection.

THE LIBRARY

The Library consists of three rooms—a stackroom and two reading-rooms—thrown together by a large archway, giving a floor space of 100 feet long and 30 feet wide.

The reading-rooms have wall shelves containing the files of bound magazines for reference work. Complete files of magazines are starred in the following list.

Library bureau equipment is constantly being added to meet the growing needs. Dewey decimal classification is used for the arrangement of the books, and a card catalogue of the dictionary type makes available a collection now numbering 18,000 volumes, besides government documents. During the year, 1,300 volumes have been added. All students have access to the stackroom, as well as to the periodical and reference collection, during library hours, and an effort is made to insure intelligent use of the scheme of arrangement of the books, and of the works of reference by a course of ten lessons required of all juniors.

The use of the Kalamazoo Public Library, a comprehensive collection of 50,000 volumes, is generously permitted to the members of the school, and gives a much appreciated opportunity for supplementary work.

The periodical list is as follows:

American blacksmith  American naturalist
American boy  American physical education review
American cookery  American political science review
American exporter  American review of reviews
American food journal  American school board journal
*American historical review  American schoolmaster
*American journal of botany  Americas
*American journal of psychology  *Annals of the American academy of political and social science
*American journal of sociology  American magazine
American labor legislation review  *Art and archaeology
American mathematical monthly  Asia
American magazine  *Atlantic monthly
American boy  American mathematical
Biological bulletin
Bird lore
Bookman
Book review digest
*Botanical abstracts
Botanical gazette
British journal of psychology
Bulletin of bibliography
Bulletin of the Pan-American union
Bulletin of the Torrey botanical club

Carry on
*Century
Chicago herald-examiner
Chicago tribune
*Child labor bulletin
Christian science monitor
Classical journal
Classical philology
Collier's weekly
Colour
Commercial America
Costume royale
Country gentleman
Country life in America
Courrier des Etats-Unis
Cumulative book index
Current opinion

Delineator
Dial
Drama

Edinburgh review
Education
*Educational administration and supervision
*Educational review
*Elementary school journal
*English journal
Etude
Eugenics review

Filing
Fortnightly review
*Forum
Furniture manufacture and artisan

General science quarterly
Geographical journal
*Geographical review
Good housekeeping
Gregg writer
Guide to nature

*Harper's monthly magazine
*Hibbert journal
Hispania
*Historical outlook
Hoard's dairyman
House beautiful

Illustrated London news
Illustrated milliner
L'Illustration
Independent
*Industrial arts magazine
Industrial management
International journal of ethics
International studio

John Martin's book
Journal of abnormal psychology
Journal of accountancy
*Journal of agricultural research
*Journal of American folk lore
Journal of American institute of criminal law and criminology
Journal of the American medical association
Journal of applied psychology
Journal of education
*Journal of educational psychology
*Complete sets.
*Journal of geography
Journal of geology
Journal of heredity
*Journal of home economics
Journal of industrial and engineering chemistry
Journal of philosophy, psychology and scientific methods
<table>
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<tr>
<th>Journal of political economy</th>
<th>Poster</th>
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<tr>
<td>Keramic studio</td>
<td>Primary education</td>
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<td>*Kindergarten and first grade</td>
<td>Printing art</td>
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<tr>
<td>Library journal</td>
<td>Proceedings of the academy</td>
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<td>Life</td>
<td>of political science</td>
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<tr>
<td>Literary digest</td>
<td>*Psychological bulletin</td>
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<td>Living age</td>
<td>*Psychological clinic</td>
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<tr>
<td>McCall's magazine</td>
<td>Psychological monographs</td>
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<tr>
<td>*Manual training magazine</td>
<td>Psychological review</td>
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<tr>
<td>*Mathematics teacher</td>
<td>Public libraries</td>
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<td>*Mental hygiene</td>
<td>Quarterly journal of speech</td>
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<td>Michigan farmer</td>
<td>education</td>
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<td>*Michigan history magazine</td>
<td>Quarterly review</td>
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<td>Mind and body</td>
<td>Reader's guide to periodical</td>
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<td>Moderator topics</td>
<td>literature</td>
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<tr>
<td>Modern language notes</td>
<td>Reader's guide to periodical</td>
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<td>Modern language review</td>
<td>literature—Supplement</td>
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<td>Modern philology</td>
<td>Revue des deux mondes</td>
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<td>Modern Priscilla</td>
<td>Rural New Yorker</td>
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<td>*Musical quarterly</td>
<td>Saint Nicholas</td>
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<td>Musician</td>
<td>School and home education</td>
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<td>*Nation</td>
<td>*School and society</td>
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<td>National builder</td>
<td>*School arts magazine</td>
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<td>Nation's business</td>
<td>School century</td>
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<td>*National geographic magazine</td>
<td>School life</td>
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<td>National school service</td>
<td>School music</td>
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<td>Nature study review</td>
<td>School review</td>
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<td>New phytologist</td>
<td>School science and mathematics</td>
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<td>New republic</td>
<td>Science</td>
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<td>New York times</td>
<td>Science progress</td>
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<td>Nineteenth century</td>
<td>Scientific American</td>
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<td>Normal instructor and primary plans</td>
<td>Scientific American supplement</td>
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<tr>
<td>North American review</td>
<td>Scientific monthly</td>
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<td>Outing</td>
<td>*Scribner's magazine</td>
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<td>*Outlook</td>
<td>Springfield republican</td>
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<td>Pathfinder</td>
<td>South American</td>
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<td>*Pedagogical seminary</td>
<td>Supplementary educational</td>
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<tr>
<td>Plant world</td>
<td>monographs</td>
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<td>Play ground</td>
<td>*Survey</td>
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<td>Poet lore</td>
<td>System</td>
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<td>Poetry</td>
<td>Table talk</td>
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<tr>
<td>Political science quarterly</td>
<td>Teachers college record</td>
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<td>Popular science monthly</td>
<td>Teaching</td>
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</table>
Theatre arts
Torrey
Touchstone
Training school bulletin
Ungraded
Unpopular review
Vocational summary

Vogue
World's chronicle
Woman citizen
World's work
Yale review
Youth's companion
Activities and Organizations

MORNING EXERCISES

Students and members of the faculty meet every Tuesday morning at nine o’clock. The exercises are in charge of a special committee and consist ordinarily of musical numbers provided by the Music Department of the school and an address given by a member of the faculty or by an invited guest.

SUPERVISION OF STUDENT LIFE

The social and moral welfare of women students is under direct supervision of the Dean of Women. She has prepared a list of addresses where rooms for young women may be obtained. All houses on the list have been inspected by her, and although responsibility for them cannot be assumed by the Normal School, they are believed to be suitable houses for women students. Copies of this list will be sent on application; however, it is advisable for students to see the rooms before engaging them.

Women students are expected to occupy rooms only in such rooming houses as accommodate women exclusively, and in which a parlor is provided for the reception of visitors; exceptions are made only by permission of the Dean of Women. Changes in rooming places may be made only with her approval.

All women students are required to report to the Dean of Women on entering the institution, in order that they may register their addresses, and may be directed if rooms have not been secured.

The Dean of Women wishes to be of real service to the young women, such as planning their courses of study, securing remunerative positions, etc. They are requested to report all cases of illness to her, and should consult her freely upon any topics that concern their general welfare.

HEALTH

Kalamazoo, according to the records in the office of the State Health Department, is one of the healthiest cities in the country. Its splendid water supply and efficient Health Department mark it as unusual in its sanitary conditions. The great majority of
the 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.

**WOMEN'S LEAGUE**

The Women's League, organized in 1913 to look after the social welfare of women of the school, was reorganized in 1919. All women students are expected to become members upon entering in the Fall Term. The purpose of the organization is to aid the new students in every possible manner, and to promote closer acquaintances among the women of the school.

**STUDENTS' CLUB ROOM**

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

**THE APPOINTMENT COMMITTEE**

In order to serve the best interests of the superintendents throughout the state in securing teachers adapted to the needs of the various schools, the work of recommendation is placed in the hands of the Appointment Committee. This committee consists of members of the faculty who are in a position to know intimately the work of each student, both in Training School teaching and in classroom work. Full records regarding previous experience of students, range of salaries, grades for which they are adapted, photographs and detailed statements concerning ability and personality from the instructors are kept on record in the office of the Training School. These records are sent out upon application to the superintendents, or can be referred to by them when they visit the Normal School. While a personal interview with the students at the school is to be preferred, the committee makes every effort to make discriminating selection of students for vacancies referred to them by superin-
tendents. A complete alumni file with the reports from the present field of work of each student makes it possible to name candidates for work which requires more mature and experienced people than those in the class of the current year. Each year some of the graduates are thus taken to larger cities, county normal work, superintendencies of larger places, etc. The committee desires to be of the greatest possible service to the schools of the state and each year extends its work.

THE ALUMNI ASSOCIATION

The Western Normal Alumni Association, organized June 19, 1906, by graduates of the first two classes, has served as a bond between the members as teachers throughout the state, and the Normal. With the class of 1919 its number will exceed 2,700 and fifteen classes will be represented in the membership. Each year headquarters are maintained at the State Teachers' Association meeting, and alumni are urged to register and make use of the rooms reserved for this purpose. A Western Normal banquet is held at this time, and during commencement week a reception and luncheon for the graduates are important events.

Through Normal news letters the school aims to keep its alumni informed in regard to various matters of interest and development. A special effort is also made each year to keep in touch with the graduates through the Appointment Committee. In this way are secured the mutual help and friendly relations which keep the school and its graduates interested in each other.

THE WESTERN NORMAL HERALD

The Herald, the official weekly publication of the Normal School, made its first appearance in the Summer Term of 1916. It is issued as a four-page paper, newspaper size, each Wednesday morning. The Herald endeavors to chronicle faithfully all the important activities of the school. From time to time, 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 are also giving the paper hearty support. The subscription price is one dollar for the forty-two issues of the year, Summer Term numbers included. Subscriptions may begin at any time.
ATHLETICS

The Western State Normal offers exceptional advantages in athletics and physical training. The Gymnasium, one of the best in the country in structure and equipment, forms the center of athletic work. The Gymnasium is provided with abundance of floor space for all indoor games, a large running track of modern design, a swimming pool and shower baths, and all the latest appliances for gymnastic exercises. Outdoor games and athletics are held on the new athletic field. Five efficient instructors have charge of the work in physical training, thus assuring careful consideration of the physical needs and health of the students. It is the purpose of the work in this department to send out teachers physically strong and healthy, and to this end the work is planned. Individual attention is given the students in all indoor and outdoor exercises.

Opportunities for all sorts of games are provided. Basketball, indoor baseball, and track work will be given due prominence. During recent years successful football and baseball teams have been organized. Tennis courts on the campus are open to students and faculty. A tennis tournament is held annually among the players of the school. It is planned to make the athletic work an organic part of the student life in order to foster the health and efficiency of the teachers of the state.

MUSICAL ORGANIZATIONS

Chorus. During the past two years the chorus has enlarged its scope of work by organizing and incorporating under the state law as the Kalamazoo Choral Union, with the object of cultivating the musical interests and general up-building of choral music in the Western State Normal School and the city of Kalamazoo, also to present eminent artists and orchestral organizations. During the past few years the following organizations have appeared:—The Minneapolis Symphony, Emil Oberhoffer, conductor; New York Symphony, Walter Damrosch, conductor; Chicago Symphony, Frederick Stock, conductor; Russian Symphony, Modest Altschuler, conductor; Philadelphia Symphony, Leopold Stokowski, conductor. Among the artists who have appeared are—sopranos—Amelita Galli-Curci, Louisa Tetrazzini, Mabel Garrison, Leonora Allen, Saba Doak, Marie Sundelius, Marie Kaiser, Alma Gluck; contraltos—Julia Claussen, Frances Ingram, Margaret Keyes, Alma Beck, Jean Cooper, Sophie Braslau; tenors—Paul Althouse, Morgan Kingston,
Charles Harrison; basses—Arthur Middleton, Reinald Werrenrath, Royal Dadmun; pianist—Josef Hoffman; violinists—Fritz Kreisler, Jascha Heifetz. The following choral works have been presented—Handel's "Messiah" (six times); Mendelssohn's "Hymn of Praise" (four times), and "Elijah"; Max Bruch's "Arminius"; Hayden's "Creation"; Choral Fantasia of Wagner's "Lohengrin"; Cowen's "Rose Maiden"; Gaul's "Holy City," and "Ruth"; and Bruch's "Fair Ellen"; Saint-Saens' "Samson and Delilah."

The following course of concerts has been presented during the current year:—Giovanni Martinelli, assisted by Nina Morgana; Tosca Seidel, violinist and May Peterson, soprano; Rudolph Ganz, pianist; annual May Festival (three concerts); Chicago Symphony Orchestra, Kalamazoo Choral Union, Children's chorus; assisting artists, Florence Hinkle, soprano; Lambert Murphy, tenor; Thomas Chalmers, baritone; Clarence Whitehall, basso; Enrico Tramonte, harpist; Gounod's Faust given by Choral Union, Orchestra and soloists; Hiawatha's Childhood, by Bessie Whiteley, by Children's Chorus and Orchestra.

Glee Clubs. Three Glee Clubs are maintained during the year, a Junior Girls' Glee Club and a Senior Girls' Glee Club, and a Men's Glee Club. The clubs have taken a prominent part in the life of the school, appearing frequently in assembly—the Seniors having presented two programs. They have appeared in nearby towns and Camp Custer. The services of any of the glee clubs may be secured for concerts by school or other organizations by paying expenses.

Normal Music Club. This is an organization of faculty and student members of the Music Department. Meetings are held monthly at homes of the members. Programs are prepared by the committees and given by the students, followed by a social time.

Orchestra. Any student who has moderate success with any instrument is eligible to membership. Weekly rehearsals are held and the opportunity for ensemble work under direction is one of which a number of students have taken advantage. This year the orchestra furnished music for various school functions.

LITERARY SOCIETIES

Amphictyon. The Amphictyon Society was organized in 1904, and holds regular meetings throughout the school year. The society has expressed its object as follows: "To promote such a liberal exchange of thought and social interests as will
aid in the development of right character, the spirit of good fellowship, and the highest freedom and efficiency of mind." The society has a large membership, and gives receptions and public programs that do much to promote the social life of the school.

**Normal Literary Society.** This society was organized in 1906, and includes both men and women of the school in its membership. An important purpose of this society is the promotion of interest and efficiency in public speaking. Regular meetings of this society are held on alternate Thursdays at 7:30 p.m., when programs of interest to the student body are given.

**THE DRAMATIC ASSOCIATION**

The Dramatic Association was organized at the close of the school year of 1914 and represents a union of the smaller dramatic clubs of the school. It aims to arouse and direct student interest in the drama and dramatic activities, both through the production of plays and the rendering of programs on dramatic subjects. Only plays of real literary and artistic merit are attempted, and the results have been very gratifying. Membership is limited to those students who possess dramatic ability, or who are interested in dramatic affairs.

**THE FORUM**

This society, formerly known as the Hickey Debating Club, was organized in answer to a need which was felt by the young men in the school for some organization, the principal aim of which should be to promote efficiency in the art of clear and forceful expression before an audience.

The regular meetings of the club are held on alternate Wednesdays at 7 p.m., where current questions are formally debated by chosen teams. Membership is open to all men.

**CERCLE FRANCAIS**

An organization known as the Cercle Francais holds monthly meetings to which all except first-year students are eligible. There are programs of a diversified character, designed to create and extend interest in the life and literature of the French people, to encourage conversational French and to give opportunity for activities not possible in the classroom.
THE SENATE

The Senate is a girls' debating club, organized to develop an interest in questions of public welfare through formal debate. Next year the club expects to undertake intercollegiate debating. Membership is limited to twenty-five, the sole requirement being scholastic standing.

THE CLASSICAL CLUB

The Classical Club is an organization holding monthly meetings; the active members are students in the Latin Department. Any other students in the school are cordially welcomed as associate members, particularly those specializing in art, English, and history.

An opportunity is here offered for acquaintance with many matters of supplementary interest, for which time cannot be found in the classroom, such as public and private institutions of the Greeks and Romans, their religion, art, theatre, the topography and monuments of Athens and Rome, etc., etc. The programs, given by both instructors and students, consist of games, illustrated talks on subjects varying in the different years, the giving of simple plays, etc.

THE PSYCHOLOGICAL CLUB

The Psychological Club is an organization whose membership is made up of the students and instructors in the Department of Education and Psychology. Bi-weekly meetings are held in the psychological laboratory in the evenings. Papers are presented by both students and instructors followed by a general discussion in which all may participate. Reports on the current literature and recent experimental studies in the science are made by the students. Usually some one line of work is selected and the meetings of the entire year are given over to this subject. During the year 1916-17 this was "Emotions." For the past year the topic was "Attention." The club has an average attendance of about twenty.
RURAL SOCIOLOGY SEMINAR

Students in the Department of Rural Education, and other students who may so elect, meet on alternate weeks for debates, special topic reports, and free discussion of subjects related to the educational, industrial, and social life of rural communities. Opportunity is afforded for parliamentary practice, and occasionally addresses are made by members of the faculty and leaders in rural education. This work is emphasize by an annual rural progress lecture given by a national leader in the study of rural life.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Normal has a Christian Association for the young women of the school, and through the past year Bible-study classes, conducted by a capable instructor, have constituted an important part of the work. Regular weekly meetings are held, and the members of the association aim to be of practical help to new students.

YOUNG MEN'S CHRISTIAN ASSOCIATION

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 depots 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.
Expenses

FEES

Tuition. For residents of Michigan, $6 for each regular term of twelve weeks and $4 for the summer term of six weeks.
For non-residents of Michigan, $10 for each regular term of twelve weeks and $6 for the summer term of six weeks.
A fee of $1.50 is collected each term for the support of athletics, and subscription to the school paper.
The above rates will apply to all classes of students except students from Kalamazoo County who enroll in Rural Education courses.

Graduation Fees.
Limited Certificate Course .......................................................... $2.00
Life Certificate Course ............................................................... 3.00
A. B. Degree ............................................................................. 3.00
Extension Course ..................................................................... 3.00

Laboratory Fees.
Chemistry, each term .............................................................. 1.00
Physics, each term ................................................................. 1.00
Botany, each term .................................................................. .50
Zoology, each term ............................................................... .50
Domestic Art .......................................................................... 2.00
Domestic Science .................................................................. 2.00
Industrial Arts ...................................................................... $2.00 or $3.00
CLAY-MODELING
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 $3.50 to $4.50 per week.

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

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

REMUNERATIVE OCCUPATION

Kalamazoo offers many opportunities for students who wish to support themselves in part during their residence in the school. There are openings in a number of lines, including the care of lawns and furnaces, waiting table, care of children, assisting in housework, etc. For those who have had experience in business lines, including stenography, there is frequent demand. The Secretary of the school has charge of this department and receives and attends to requests for assistance.

STUDENT LOAN FUND

In September, 1912, the nucleus of a student loan fund was established by the gift of $200 from Miss Blanche Hull. This fund has been increased to a total of more than $4,000. Money is loaned to deserving students on the recommendation of a faculty committee. A low interest rate of five per cent is charged and notes are given for one year.

THE NORMAL CO-OPERATIVE STORE

The Co-operative Store, which began its existence at the opening of the Summer Term of 1912, has had a most satisfactory development. Here it is possible for students to procure all their books and school supplies at reduced prices. The saving
of students' time afforded by the Co-operative Store is inestimable, while the saving of money owing to low prices is another factor in assuring the general popularity of the institution.

NORMAL LUNCHROOM

The Normal maintains a lunchroom in the basement of the Training School building where wholesome and palatable food is served at small cost. Five hundred students can be comfortably accommodated each noon. The lunchroom offers employment to twelve or more students. Miss Grace E. Moore is in general charge of the lunchroom and to her all applications for work at the noon hour should be made.
Conditions of Admission

Students may enroll at the opening of any term. In 1919-20 the opening dates will be as follows: Fall Term, Sept. 29, 1919, (registration September 26 and 27); Winter Term, January 5, 1920; Spring Term, April 5, 1920; Summer Term, June 28, 1920. Students entering for the first time should bring their high-school or other entrance credits. A blank is provided for this purpose.

ENTRANCE WITHOUT EXAMINATION

High-school graduates, college graduates, and those who hold the state certificate or indorsed first-grade certificate, will be admitted to the two-year Life Certificate courses, and the Limited Certificate course without examination.

Students who have completed the first two years of an approved high-school course and those who hold second-grade certificates will be admitted to the third year of the Normal High School under the general direction of the committee on High School course.

For admission to the A. B. course, see the detailed outline of the requirements of this course as given on page 58.

Prospective students are urged to send their high-school credits to the Registrar in advance that there may be no delay when the students present themselves for registration and enrollment. Students who have not filed copies of their high-school credits in advance must present them at the time of registration. Otherwise, they must submit to an examination before enrollment.

ENTRANCE WITH ADVANCE CREDITS

Advanced credit is allowed for work done in other normal schools and colleges to the extent to which the applicant's record shows that such work is the equivalent of courses offered in the Western State Normal School. Application for advanced standing, accompanied by credentials, should be made to the Registrar of the Western State Normal School within two weeks of the time that a student first enters the Normal.
At a meeting of the State Board of Education held at Lansing, Jan. 23, 1903, the following policy was adopted concerning the admission of students to the normal schools of Michigan:

1. All school work below the standard of graduation from the twelfth year of a system of public schools, having not less than thirty-six weeks of school per year, of which four full years are occupied with distinctively high-school work, shall be considered preparatory to the Limited Certificate and Life Certificate courses of the normal schools of the state, and when included in normal school courses, shall be designated as preparatory with reference to the regular normal school work.

2. All students regularly graduated from the twelfth year of public school systems in which four full years are devoted to high-school work, with not less than two teachers fully employed in distinctively high-school work, and whose term is not less than thirty-six weeks may be accepted into the regular Limited Certificate and Life Certificate courses without examination.

3. All students who have finished not less than two years of high-school work in a twelve-year course as herein outlined, may be admitted to the high-school course in the normal schools on their record, receiving credit for the work they have finished beyond the first two years of high-school work. When students have finished the preparatory work at the normal school, they shall be allowed to enter upon the regular one or two-year normal courses.

4. All students unable during the first term in the regular courses of the normal schools to maintain a fair standing, may at the discretion of the faculty in each case, be dropped from the rolls of the school, reduced to high-school work, or required to repeat the course not satisfactorily completed on first trial; and in all such cases shall be reported back to the high schools from which they came, with the facts in each case, to the end that a standard may be set for the high schools of the state, and that the superintendents and principals of these schools may learn what our standard of admission is and take measures to prevent their pupils from coming to the normal schools without due preparation. Should successive cases of defective preparation be found to come from particular schools, the privilege of admission without examination may, at the discretion of the faculty, be withdrawn from such schools.

5. Similar conditions for entrance may be made applicable to other than public schools from which pupils come to the normal schools when proper investigation shall have ascertained the rank or standing of such schools to be satisfactory.
NEW LAW REQUIRES PROFESSIONAL TRAINING

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

COUNTY NORMAL GRADUATES

Graduates from County Normal Training Classes who are also graduates from approved high schools, are given credit in eight subjects on the Life Certificate courses in the several State Normal Schools. This will enable the above class of students to complete the Life Certificate courses in one year and two Summer terms.

County Normal graduates who have graduated from approved high schools are given credit in six subjects in the Limited Certificate course. County Normal graduates who have completed the tenth grade in approved high schools will be given a year of credit in Limited Course II, and in the High School courses.

CREDIT RELATIONS WITH THE UNIVERSITY OF MICHIGAN

1. Graduates of the Western State Normal School from any of the advanced courses leading to life certificates shall be given fifty-six hours’ credit at the University of Michigan, provided:
   (a) That the work of said courses shall extend at least two years in advance of the approved high school.
   (b) That said graduates shall have met the entrance requirements of the University.
   (c) That at least one year of the work presented by such graduates shall have been done at the Western State Normal School.
   (d) That credits from other institutions accepted by the Western State Normal School toward graduation shall be subject to evaluation by the University.

2. Graduates of the Western State Normal School in the Life Certificate courses who have done more than two years of work, may transfer their credits to the University of Michigan on an hour for hour basis, it being definitely determined by mutual agreement what normal courses are to receive University credit, provided, (a) that not more than ninety hours of credit may be given for
three years of work at the Western State Normal School, and
(b) that, if credit for extension work be included beyond the first
two years of work such credit shall be subject to an evaluation by
the University.

REGISTRATION AND ENROLLMENT

Friday and Saturday before the opening day of the Fall Term,
and the first day of all other terms are given to enrollment, regis-
tration, and payment of fees. Entering students should present
themselves first to the Committee on Entrance Requirements and
see that the entrance requirements of the course of study they
intend to pursue are fully satisfied. Then, if the student has deter-
minded the course he intends to pursue, he will present himself to
the advisor in his course for enrollment, and plan his program of
work. If the student has not determined the course he intends to
pursue, he should consult the General Advisory Committee before
presenting himself for enrollment. This committee will direct the
student to the course of study most likely to meet his needs. After
enrollment the student will present his enrollment card containing
his program of work for the ensuing term to the Registrar, pay his
term fees, and be officially registered as a student in the school.
Class-lists of students officially registered and enrolled will be pro-
dvided for instructors. Students not officially registered and enrolled
may in no case become members of classes, and credits will not be
acknowledged and recorded except for work done in courses in
which the student has been officially enrolled.

To save time at the opening of each term, students in residence
the preceding term will enroll during the eighth week of the term.

Having entered upon a course of study, the student is under the
guidance of the advisor for that course, and must not change his
course without the consent of this advisor and the advisor for the
course he wishes to enter. After enrolling in a class, the student
must not leave the class without the consent of the advisor for his
course, and should notify the instructor of his withdrawal from
the class.

Students taking the High School Life courses should consult
the heads of the departments in which they expect to pursue their
major and minor subjects.

As soon as possible after entering school, students should plan
their work for the entire two years and confer with the person, or
persons, in charge of their course concerning any matter relating
to their work. Some courses are offered only once a year; hence
care should be exercised so to formulate the schedule of studies
for each term that all such subjects may be taken. A little foresight at the beginning of the first year will save possible embarrassment to students later in their course.

Students in the High School Life courses should pursue the subject in which they expect to do their practice teaching at least one term before the practice teaching begins.

**EXTRA STUDIES**

Students wishing to carry an extra study, and thus earn more than 48 weeks' credit in any one term, must obtain the permission of the Committee on Extra Studies (page 12). Such permission will be granted only on the recommendation of three members of the faculty and a high grade of work during preceding terms. Application for an extra study is made by filling out an “Extra Study” card at the time of enrollment. No application for an extra study will be considered after the close of the first week of the term.

**CERTIFICATES**

A student expecting to receive a certificate of any kind at the end of the term should notify the Secretary by the third week of that term in order that the case may be acted upon promptly by the proper authorities.
Certificates and Degrees

The State Board of Education through the Western State Normal School grants teachers' certificates and the Bachelor's degree as follows:

A NORMAL LIFE CERTIFICATE

Requirements:

(a) Applicant must be at least eighteen years of age.
(b) Applicant must have completed one of the advanced courses of study offered in the Western State Normal School, which course shall require not less than two years of work in advance of the high school.

Duration and Validity:

The Normal Life Certificate shall be valid for life in all schools of the state, provided a copy of the certificate shall have been filed in the office of the legal examining officer of the county or city in which the holder is to teach.

LIMITED CERTIFICATE

Requirements:

(a) Applicant must be at least eighteen years of age.
(b) Applicant must have completed a course of study requiring forty-two weeks of work, all of which is in advance of the high school.

Duration and Validity:

The Limited Certificate shall be valid in the schools of the state for three years, provided a copy of the certificate shall have been recorded in the office of the legal examining officer of the county or city in which the holder is to teach.
CERTIFICATES AND DEGREES

EXTENSION 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) Six years of successful teaching.
(3) Completion of the following work under direction of the faculty of the Western State Normal:
   (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 substitutes for residence study on the basis of work done elsewhere are not accepted.

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.

BACHELOR OF ARTS DEGREE

The degree of Bachelor of Arts is conferred by the Western State Normal School after the completion of the four-year course of study outlined on page 58.
Courses of Study

The courses of study in the Western State Normal School are planned to prepare teachers for the different departments and various phases of public school work, and also to give students who are preparing to teach opportunity for general higher education. Recognizing that the prospective teacher should have some opportunity to adapt his education to his peculiar ability or personal ambition, the Faculty of Western Normal, in outlining courses of study sufficiently flexible to prepare teachers for both general and special school work, has made liberal provision for students to exercise individual preference in elective work. Prospective students should study carefully the courses as outlined that they may understand clearly the purpose of each course. They should choose the course best adapted to their various abilities or ambitions. When unable to come to any decision by themselves, students should consult some member of the General Advisory Committee.

LIFE CERTIFICATE COURSES

The Western State Normal School offers the following advanced courses of study leading to the Normal Life Certificate. These courses are designed to prepare teachers for different grades and special kinds of public school work. Each course requires two years (36 weeks each) of work beyond the four-year high school. The school year is divided into three terms of twelve weeks each and a Summer Term of six weeks. A year's work consists of twelve units (144 weeks' credit). A unit of work represents a course of study pursued for twelve weeks with four class periods of fifty minutes each per week, and is regularly recorded as twelve weeks' credit.
### EARLY ELEMENTARY COURSE

*(Kindergarten—Grades I and II)*

Miss Gage, Miss Ballou, Advisors

**Group I.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Psychology 101</td>
<td>12 weeks</td>
</tr>
<tr>
<td>Educational Psychology 102</td>
<td>12 &quot;</td>
</tr>
<tr>
<td>Principles of Teaching 101</td>
<td>12 &quot;</td>
</tr>
<tr>
<td>Teaching 101, 102</td>
<td>24 &quot;</td>
</tr>
<tr>
<td>Composition 101</td>
<td>12 &quot;</td>
</tr>
<tr>
<td>Teachers’ Art 102</td>
<td>12 &quot;</td>
</tr>
<tr>
<td>Primary Music 118</td>
<td>12 &quot;</td>
</tr>
</tbody>
</table>

**Group II.**

A major in Early Elementary Education...........72 "

**Group III**

<table>
<thead>
<tr>
<th>Component</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Literature and Reading</td>
<td>48 &quot;</td>
</tr>
<tr>
<td>B. History and Sociology</td>
<td>36 &quot;</td>
</tr>
<tr>
<td>C. Science and Mathematics</td>
<td>36 &quot;</td>
</tr>
</tbody>
</table>

NOTE: Physical Education (101, 102, 103, 104, 105), Library Methods, and Penmanship are required of all students.
LATER ELEMENTARY COURSE

(Grades III, IV, V, and VI)

Dr. Henry, Miss Harrison, Advisors.

Group I.

Introductory Psychology 101........................................ 12 weeks
Educational Psychology 102........................................ 12 "
Psychology of Growth 103........................................ 12 "
Principles of Teaching 101........................................ 12 "
Teaching 101, 102.................................................. 24 "
Composition 101..................................................... 12 "
Teachers' Art 102..................................................... 12 "
Teachers' Music 106.................................................. 12 "

Group II.

A major elected in one subject................................. 36 to 72 weeks

Group III.

A. Literature and Reading......................................... 36 "
B. History and Sociology........................................... 36 "
C. Science and Mathematics...................................... 36 "

NOTE: 1. Students who elect a major of 36 weeks may choose the remaining 36 weeks at pleasure.

2. Physical Education (101, 102, 103, 104, 105), Library Methods, and Penmanship required of all students.
RURAL EDUCATION COURSE

Dr. Burnham, Miss Munro, Advisors.

Group I.

Introductory Psychology 101............................................. 12 weeks
Educational Psychology 102.............................................. 12 “
Psychology of Growth 103................................................ 12 “
Principles of Teaching 101................................................ 12 “
Teaching 101, 102................................................................ 24 “
Composition 101.................................................................. 12 “
Teachers' Art 102.................................................................. 12 “
Teachers' Music 106.............................................................. 12 “

Group II.

A major elected in Rural Education.................................. 36 to 72 “

Group III.

A. Literature and Reading................................................. 36 “
B. History and Sociology.................................................... 36 “
C. Science and Mathematics.............................................. 36 “

NOTE: 1. Students who elect a major of 36 weeks may choose the remaining 36 weeks at pleasure.
2. Physical Education (101, 102, 103, 104, 105), Library Methods, and Penmanship required of all students.
JUNIOR HIGH SCHOOL COURSE

(Grades VII, VIII, and IX)

Miss Rawlinson, Miss Seekel, Advisors.

Group I.

Introductory Psychology 101..............................12 weeks
Educational Psychology 102..................................12 “
Psychology of Growth 103....................................12 “
Principles of Teaching 101.....................................12 “
English Composition 101.......................................12 “

Group II.

One major subject, consisting of from 48 to 84 weeks including 12 weeks of teaching.

One minor subject, consisting of 48 weeks including 12 weeks of teaching.

Two subjects (other than the major and minor) consisting of 36 weeks each.

The remaining units to be taken in groups of three or miscellaneously with the consent of the advisor.

Note.—Physical Education (101, 102, 103, 104, and 105), Library Methods, and Penmanship are required of all students.
COURSES OF STUDY

SENIOR HIGH SCHOOL COURSE

(Grades X, XI, and XII)

Mr. Fox, Miss Zimmerman, Advisors.

Group I.

Introductory Psychology 101........................................... 12 weeks
Educational Psychology 102........................................... 12 “
Psychology of Growth 103........................................... 12 “
Principles of Teaching 101........................................... 12 “
English Composition 101........................................... 12 “

Group II.

A major of 84 weeks including 12 weeks of teaching.
A minor of 48 to 84 weeks including 12 weeks of teaching.

In so far as possible the remaining work should be taken in consecutive courses of 36 weeks each, one of which must be in a subject not chosen as a major or minor.

Note.—Physical Education (101, 102, 103, 104, and 105), Library Methods, and Penmanship are required of all students.

Note.—Students who are looking forward to teaching in the high school are urged to plan to take the four-year course (page 58). By so doing they will be able to secure better positions and better salaries.
# ART COURSE

Miss Goldsworthy, Miss Judson, Advisors

## FIRST YEAR

### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Art (101)</td>
<td>12</td>
</tr>
<tr>
<td>Art Observation (112)</td>
<td>6</td>
</tr>
<tr>
<td>Introductory Psychology (101)</td>
<td>12</td>
</tr>
<tr>
<td>Mechanical Drawing (108)</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Physical Education (101)</td>
<td></td>
</tr>
</tbody>
</table>

### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teachers' Art (102)</td>
<td>12</td>
</tr>
<tr>
<td>Art Observation (113)</td>
<td>6</td>
</tr>
<tr>
<td>Blackboard Sketching (109)</td>
<td>6</td>
</tr>
<tr>
<td>Composition (101)</td>
<td>12</td>
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<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Physical Education (102)</td>
<td></td>
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</table>

### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial Art (103)</td>
<td>12</td>
</tr>
<tr>
<td>Advanced Art (105)</td>
<td>12</td>
</tr>
<tr>
<td>Principles of Teaching (101)</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Physical Education (103)</td>
<td></td>
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</table>

## SECOND YEAR

### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Advanced Art (106)</td>
<td>12</td>
</tr>
<tr>
<td>Applied Design (104)</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Teaching (101)</td>
<td>12</td>
</tr>
<tr>
<td>Physical Education (104)</td>
<td></td>
</tr>
</tbody>
</table>

### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History and Appreciation of Art (107)</td>
<td>12</td>
</tr>
<tr>
<td>Educational Psychology (102)</td>
<td>12</td>
</tr>
<tr>
<td>Teaching (102)</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td>Physical Education (105)</td>
<td></td>
</tr>
</tbody>
</table>

### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Art (111)</td>
<td>12</td>
</tr>
<tr>
<td>Course of Study in Art (114)</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
<td>24</td>
</tr>
</tbody>
</table>

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**Notes.**

1. Students wishing to specialize in art must have had a good course in public school art in the grades, and high-school work added if possible.

2. Entrance examination is required of students wishing to specialize in art.

3. Library Methods and Penmanship required of all students.
# COURSES OF STUDY

## ART AND MUSIC COURSE

Miss Goldsworthy, Mr. Maybee, Advisors

### FIRST YEAR

#### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introductory Art (101)</td>
<td>12</td>
</tr>
<tr>
<td>Art Observation (112)</td>
<td>6</td>
</tr>
<tr>
<td>Introductory Psychology (101)</td>
<td></td>
</tr>
<tr>
<td>Elements of Music (101)</td>
<td>6</td>
</tr>
<tr>
<td>Harmony (109)</td>
<td></td>
</tr>
<tr>
<td>Physical Education (101)</td>
<td></td>
</tr>
</tbody>
</table>

#### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teachers' Art (102)</td>
<td>12</td>
</tr>
<tr>
<td>Art Observation (113)</td>
<td>6</td>
</tr>
<tr>
<td>Composition (101)</td>
<td>12</td>
</tr>
<tr>
<td>Elements of Music (102)</td>
<td>6</td>
</tr>
<tr>
<td>Harmony (110)</td>
<td></td>
</tr>
<tr>
<td>Physical Education (102)</td>
<td></td>
</tr>
</tbody>
</table>

#### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Art (105)</td>
<td>6</td>
</tr>
<tr>
<td>Industrial Art (103)</td>
<td>12</td>
</tr>
<tr>
<td>Principles of Teaching (101)</td>
<td>12</td>
</tr>
<tr>
<td>Methods of Primary Grades (107)</td>
<td>6</td>
</tr>
<tr>
<td>Harmony (111)</td>
<td>12</td>
</tr>
<tr>
<td>Physical Education (103)</td>
<td></td>
</tr>
</tbody>
</table>

### SECOND YEAR

#### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Design (104)</td>
<td>12</td>
</tr>
<tr>
<td>Advanced Art (106)</td>
<td>6</td>
</tr>
<tr>
<td>Teaching (101)</td>
<td>12</td>
</tr>
<tr>
<td>Educational Psychology (102)</td>
<td></td>
</tr>
<tr>
<td>Voice Culture (103)</td>
<td>6</td>
</tr>
<tr>
<td>Physical Education (104)</td>
<td></td>
</tr>
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#### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>History and Appreciation of Art (107)</td>
<td>12</td>
</tr>
<tr>
<td>Teaching (102)</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td>12</td>
</tr>
<tr>
<td>History and Appreciation of Music (113)</td>
<td>12</td>
</tr>
<tr>
<td>Physical Education (105)</td>
<td></td>
</tr>
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</table>

#### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course of Study in Art (114)</td>
<td>12</td>
</tr>
<tr>
<td>High School Conducting (115)</td>
<td>12</td>
</tr>
<tr>
<td>Voice Culture (104)</td>
<td>6</td>
</tr>
<tr>
<td>Elective</td>
<td>18</td>
</tr>
</tbody>
</table>

Chorus and Glee Club or Orchestra, are required of all in this course.

Notes.—1. Students wishing to specialize in art and music must have had a good course in public school art in the grades, and if possible, high-school work added.

2. Library Methods and Penmanship required of all students.
# MUSIC COURSE

Mr. Maybee, Advisor.

## FIRST YEAR

### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elements of Music (101)</td>
<td>6</td>
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<tr>
<td>Harmony (109)</td>
<td>12</td>
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<tr>
<td>Observation (116)</td>
<td>6</td>
</tr>
<tr>
<td>Composition (101)</td>
<td>12</td>
</tr>
<tr>
<td>History of Music (112)</td>
<td>12</td>
</tr>
<tr>
<td>Physical Education (101)</td>
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### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elements of Music (102)</td>
<td>6</td>
</tr>
<tr>
<td>Harmony (110)</td>
<td>12</td>
</tr>
<tr>
<td>Introductory Psychology (101)</td>
<td>12</td>
</tr>
<tr>
<td>Voice Culture (103)</td>
<td>6</td>
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<td>History and Appreciation (113)</td>
<td>12</td>
</tr>
<tr>
<td>Physical Education (102)</td>
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## SECOND YEAR

### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Musical Composition (114)</td>
<td>12</td>
</tr>
<tr>
<td>Educational Psychology (102)</td>
<td>12</td>
</tr>
<tr>
<td>Teaching (101)</td>
<td>12</td>
</tr>
<tr>
<td>Methods: Grammar Grades (106)</td>
<td>6</td>
</tr>
<tr>
<td>Voice Culture (104)</td>
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<td>Physical Education (104)</td>
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### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Voice Culture</td>
<td>12</td>
</tr>
<tr>
<td>Teaching (102)</td>
<td>12</td>
</tr>
<tr>
<td>*Musical Composition (126)</td>
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<tr>
<td>Elective</td>
<td>12</td>
</tr>
<tr>
<td>Physical Education (105)</td>
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### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>High School Conducting (115)</td>
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</tr>
<tr>
<td>*Musical Analysis (127)</td>
<td>12</td>
</tr>
<tr>
<td>Elective</td>
<td>24</td>
</tr>
</tbody>
</table>

Chorus and Glee Club or Orchestra are required of all in the Music course.

**Note.—** Library Methods and Penmanship are required of all students.

*Or elective.
## COMMERCIAL COURSE

Mr. Loring, Advisor.

### FIRST YEAR

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Arithmetic (108)</td>
<td>6</td>
</tr>
<tr>
<td>Typewriting (101)</td>
<td>6</td>
</tr>
<tr>
<td>Shorthand (101)</td>
<td>12</td>
</tr>
<tr>
<td>Composition (101)</td>
<td>12</td>
</tr>
<tr>
<td>Introductory Psychology (101)</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Winter Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arithmetic (109)</td>
<td>6</td>
</tr>
<tr>
<td>Typewriting (102)</td>
<td>6</td>
</tr>
<tr>
<td>Shorthand (102)</td>
<td>12</td>
</tr>
<tr>
<td>Commercial Geography (109)</td>
<td>12</td>
</tr>
<tr>
<td>Educational Psychology (102)</td>
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<table>
<thead>
<tr>
<th>Spring Term</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office Management (110)</td>
<td>6</td>
</tr>
<tr>
<td>Typewriting (103)</td>
<td>6</td>
</tr>
<tr>
<td>Shorthand (103)</td>
<td>12</td>
</tr>
<tr>
<td>Accounting (101)</td>
<td>12</td>
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### SECOND YEAR

<table>
<thead>
<tr>
<th>Fall Term</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Business Law (106)</td>
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<tr>
<td>Economics (101A)</td>
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<td>Accounting (102)</td>
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<td>Shorthand (104)</td>
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<th>Winter Term</th>
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<td>Economics (101B)</td>
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<td>Accounting (103)</td>
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<td>Letter Writing (111)</td>
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<th>Spring Term</th>
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<td>Commercial Methods (114)</td>
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<td>Accounting (104)</td>
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<td>Practice Teaching (101)</td>
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<td>Practice Teaching (102)</td>
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**Note.**—Physical Education (101, 102, 103, 104, 105), Library Methods, and Penmanship required of all students.
HOUSEHOLD ARTS COURSE

Miss Blair, Miss Moore, Advisors

Group I.

Introductory, Psychology 101 ........................................... 12 weeks
Educational Psychology 102 ........................................... 12 “
Principles of Teaching 101 ........................................... 12 “
English Composition 101 ........................................... 12 “
Chemistry 102A, B, 103 ........................................... 36 “
Physiology 117 ............................................................. 12 “
Introductory Art 101 ................................................... 12 “
Teaching 101-102 ................................................... 24 “

Group II.

A. Textiles and Clothing .................................................... 60 weeks
   Foods and Cookery .................................................... 36 “
   or
B. Textiles and Clothing ................................................... 36 “
   Foods and Cookery .................................................... 72 “

Group III.

A. Literature ............................................................... 12 weeks
   History ................................................................. 12 “
   Mathematics or Geography ......................................... 12 “

B. The remaining units at the pleasure of the student.

Note.—Physical Education (101-2-3-4-5), Library Methods, and Penmanship required of all students.
INDUSTRIAL ARTS COURSE

Mr. Sherwood, Mr. Bowen, Advisors.

Group I.

Introductory Psychology 101 ........................................ 12 weeks
Principles of Teaching 101 ........................................ 12 "
Teaching 101, 102 .................................................... 24 "
Composition 101 ..................................................... 12 "
Shop Mathematics 112 ............................................... 12 "
Mechanical Drawing 109, 110 ..................................... 24 "
Manual Training Art 108 ........................................... 12 "
Woodshop 102 ......................................................... 12 "
Practical Electricity 107 ............................................ 12 "

Group II.

A major elected in the Department of Industrial Arts ........................................ 72 weeks

Group III.

A. Three consecutive units elected in mathematics, physics, biology, chemistry, English, history, psychology, or foreign languages ........................................ 36 weeks

B. Four units elected with the consent of the advisor ........................................ 48 weeks

Note.—1. Woodshop (101) and Mechanical Drawing (108) are required of all students who have not had satisfactory previous preparation.

2. One year of high-school physics required for graduation. There are many requests for teachers prepared to teach mathematics, athletics, physics, chemistry, or history together with industrial arts work.

3. Library Methods and Penmanship required of all students.
PHYSICAL EDUCATION COURSE

Miss Guiot, Advisor.

FIRST YEAR

**Fall Term**

Introductory Psychology (101) .................................................................. 12
English Composition (101) .... 12
General Gymnastics (110) .... 6
Folk Dancing (111) .......... 6
Anatomy (115) .................. 12
*Physical Education (101)

**Winter Term**

Educational Psychology (102) .......................................................... 12
Methods (123) ................. 6
Aesthetic Dancing (112) ...... 6
Swedish Theory and Practice (117) .................................................. 6
Games and Rhythms (105) ... 6
Anatomy (116) .................. 12
Physical Education (102)

**Spring Term**

Principles of Teaching (101)12
General Gymnastics and Aesthetic Dancing (113) ................. 6
Swedish Theory and Practice (118) ............................................. 6
Playground Organization (119) ................................................ 12
Physiology and Hygiene (117) .................................................. 12

*Field Games, Tennis, and Swimming. 6 weeks’ credit.

**Electives. Three units to be taken, one each term of the senior year. One in English, one in history, and one from geography or mathematics.

Note.—Library Methods and Penmanship required of all students.

SECOND YEAR

**Fall Term**

Teaching (101) ..................... 12
General Gymnastics and Aesthetic Dancing (114) ............ 6
Domestic Science (First Aid), Emergencies and Home Nursing (104) .... 6
Musical Construction (128) .. 12
**Elective .......................... 12

**Winter Term**

Teaching (102) ..................... 12
General Gymnastics and Aesthetic Dancing (115) ............ 6
Applied Anatomy and Corrective Work (120) ................. 12
Gymnasium Equipment (121) 6
**Elective .......................... 12
Physical Education (104)

**Spring Term**

General Gymnastics and Aesthetic Dancing (116) ........... 6
Games and Athletics (122) .... 6
Festival (106) ................. 6
Medical Inspection (113) .... 6
**Elective .......................... 24
FOOTBALL TEAM
EXTENSION COURSE

Mr. Hoekje, Director.

Group I.

Introductory Psychology 101, 201, or 301.......................... 12 weeks
Educational Psychology 102, 202, or 302......................... 12 "
Psychology of Growth 103, 203, or 303.......................... 12 "
History of Education 127, 227, or 327.......................... 12 "
English Composition 101, 201, or 301.......................... 12 "
Penmanship.

Group II.

Seven units elected by the student.................................. 84 weeks

Note.—The Extension Life Certificate only is granted for this work. See page 41 concerning the nature of this certificate. Regular residence students should enroll in some one of the Two-Year Life Certificate courses.
COURSE I

The Limited Certificate Course requires a year and a Summer Term of work beyond the four-year high school, and leads to a limited certificate described on page 40.

Students in the Limited Certificate Course are urged to elect three consecutive units, with the view of taking any Life Certificate course which they may decide to enter when they return for their second year.

**Group I.**

Introductory Psychology 101............................................... 12 weeks
Principles of Teaching 101................................................ 12 "
Teaching 101............................................................... 12 "
*Teachers' Art 102.......................................................... 12 "
*Teachers' Music 106......................................................... 12 "
Composition 101............................................................. 12 "
Sociology 113................................................................. 12 "

**Group II.**

Elect seven units from the following courses, or four units from this group, and three consecutive units in one subject with a particular Life Certificate in view.

Literature for Children 103................................................ 12 weeks
Story-Telling 104............................................................ 12 "
American History 101, 102, or 103.................................... 12 "
General Geography 101................................................... 12 "
Arithmetic 101............................................................... 12 "
Hygiene 118................................................................. 12 "
Curriculum and Management 101.................................... 12 "
†Agriculture 123A.......................................................... 12 "
Agriculture 123B........................................................... 12 "
Household Arts 114, or Shopwork 101............................ 12 "
Nature-Study 111 or 123C.

*NOTE.—Students whose high-schools have not provided them preparation in beginning art and in elements of music, will take introductory courses in these subjects before taking Teachers' Art and Music courses required. These introductory courses may be counted as electives in the Limited Course, but will not be counted as credit toward a Life Certificate.

†NOTE.—Students who have not had Agriculture in the high-school, will elect courses 123A and 123B, as advised by the enroller.

NOTE.—Physical Education (101-2-3), Library Methods, and Penmanship, are required of all students in the Limited Course.
COURSE II

It is deemed necessary during the existence of the present emergency in the supply of teachers to offer this course, which may be entered upon the completion of three years of high-school work or its equivalent. The required subjects are:

Psychology 1 ............................................................................ 12 weeks
Principles of Teaching 1 .................................................... 12 "
Teaching .................................................................................. 12 "
Agriculture 23 .......................................................................... 36 "
History and Civics 10, 11, 12 .............................................. 36 "
Art 1 .......................................................................................... 12 "
Music 1 ...................................................................................... 12 "
Sociology 13 ............................................................................ 12 "

Students who have had the equivalent of any of these units, may elect from this group:

Arithmetic 101 ........................................................................ 12 weeks
General Geography 101 .................................................... 12 "
Beginning Reading 104 ................................................... 12 "
Composition 101 .................................................................... 12 "
Literature for Children 103 .................................................. 12 "

NOTE 2.—The total credit in this course is the same as that required for High School graduation. In no case can subjects taken in this course be used to reduce the total number of units required for graduation in any other certificate granted by this school. In recent years nearly every student who has completed this course, has also completed the required work for the high-school diploma. It is recommended that students who desire to secure both the certificate and the diploma, plan to remain for the Summer Term after completing high school.

NOTE.—A certificate good in one and two room schools for three years, is granted on completion of this course. This certificate is not renewable.
BACHELOR OF ARTS COURSE

Mr. Sprau, Advisor.

At its regular meeting, March 29, 1918, the State Board of Education authorized the normal schools of the state to formulate a four-year course of study leading to the Bachelor's degree. The following is an exact copy of the course of study drafted by the Normal Executive Council and adopted by the State Board of Education at its regular meeting, June 30, 1918. The course is the same for all of the Normal Schools of Michigan, and in all cases leads to a Life Certificate and the degree of Bachelor of Arts.

The four-year course will in no way interfere with the two-year Life Certificate courses already in force in the Western State Normal School, and graduates in any of these courses may in all cases count their work done for a certificate as part credit toward the degree. However, the entrance requirements for the four-year course are more rigidly prescribed than for the Life Certificate courses, and candidates for the degree must satisfy these entrance requirements.

The four-year course is now a part of the work at Western Normal, and students may enter the institution to begin or continue their work for the degree at the beginning of any regular term.

Requirements for Admission

Admission to the Western State Normal School as a candidate for the degree of Bachelor of Arts may be gained only by examination or by certificate. Fifteen units of high-school work are required for admission, a unit meaning the equivalent of five recitations a week in one subject for one year of at least thirty-six weeks. Two or three hours of laboratory, drawing, or shop-work will be counted as equivalent to one recitation.

Applicants who offer certificates of graduation from high-schools accredited by the University of Michigan or the State Department of Public Instruction will be admitted without examination.

Applicants for admission from non-accredited high schools or whose entrance credits are in any way deficient, will be examined under the direction of the Entrance Requirements
Subjects Required

A high-school graduate who wishes to enter Western State Normal School with a view to securing the degree of Bachelor of Arts must qualify according to the following scheme. He must have had

English ................................................................. 3 units
Foreign Language......................................................... 2 units
Mathematics (Algebra or Geometry)............................... 1 unit
Science ................................................................. 1 unit
History ................................................................. 1 unit

Subjects Accepted for Admission

He must present a total of 15 credits (including those just noted) selected from the following list:

- English ...................................................................... 3 or 4 units
- Greek ......................................................................... 2 or 3 units
- Latin ......................................................................... 2, 3 or 4 units
- French ......................................................................... 2, 3 or 4 units
- Spanish ........................................................................ 2, 3 or 4 units
- History .......................................................................... 1, 2 or 3 units
- Algebra ........................................................................ 1, 1½ or 2 units
- Geometry ..................................................................... 1 or 1½ units
- Trigonometry ............................................................. ½ unit
- Physics ......................................................................... 1 unit
- Chemistry ..................................................................... 1 unit
- Physiology .................................................................... ½ unit
- Geology ......................................................................... ½ unit
- Botany .......................................................................... ½ or 1 unit
- Zoology .......................................................................... ½ or 1 unit
- Physiography ................................................................ ½ or 1 unit
- Elementary Economics .................................................. ½ unit
- Agriculture .................................................................... 1 or 2 units
- Household Arts ............................................................. 1 or 2 units
- Drawing ......................................................................... ½ or 1 unit
- Manual Arts .................................................................... 1 or 2 units
- Commercial Branches ....................................................... 1 or 2 units
- General Science ............................................................... ½ unit
Requirement for the Degree of Bachelor of Arts

The degree of Bachelor of Arts and a teachers' life certificate will be granted to students upon satisfactory completion of the course of study outlined below. The work extends over a period of four years of thirty-six weeks each, and presupposes the completion of a four-year standard high-school course as described under Requirements for Admission. A unit of work represents a course of instruction in a single subject, continuing for twelve weeks and having four class-hours per week. Two hours of laboratory work will count as one class-hour. The requirement for graduation with this degree is forty-eight units distributed as follows:

Group I .................................................................................. 3 units
   English Composition and Rhetoric.

Group II .............................................................................. 5 units
   History, Economics, Sociology, Philosophy.

Group III .............................................................................. 6 units
   Biology, Chemistry, Geography, Physics, Mathematics,
   Astronomy, Geology.

Group IV ................................................................................ 6 units
   Ancient Languages, Modern Languages,
   English Language and Literature.

The remaining units may be elected from the courses regularly offered by the various departments, subject to the following restrictions:

1. Courses must be elected so that the requirements in some one of the Life Certificate courses are fully satisfied.
2. Not more than sixteen units may be taken in any one department.
3. Courses counted in Group I can not be counted in Group IV.
4. Not more than a total of sixteen units may be counted from the following departments: Music, Art, Household Arts, Commerce, Industrial Arts, and Physical Education. Credits in these departments counted toward a degree must be earned in courses generally recognized as of college grade.
5. At least two-thirds of the work taken in residence beyond the second year must be in courses not open to first-year students, and no candidate will be recommended for the A. B. degree who has spent less than one year at the Western State Normal and who has not been in residence during the regular term next preceding the time of his graduation.
Details of Departments

ART

MISS GOLDSWORTHY†

MISS JUDSON
*MISS SPENCER
MISS NETZORG
MISS STEVENSON

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

MISS STEVENSON

Note.—Students who do not bring satisfactory high-school credits in art must pass an entrance examination or take Introductory Art 101 before becoming eligible for Art 102.

102. Teachers' Art. A course of study will be planned with the students covering the grades in which they are preparing to teach. Practice lessons will be given by students before the class. All students will be required to observe practice teaching in art in the Training School. Required in Early and Later Elementary courses. 12 weeks' credit. Fall, Winter, Spring, and Summer terms.

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, paper-making and book-making, weaving and textiles, basketry, toy construction, and printing. This course is open to students without previous art work, and is of greatest importance to the grade teacher. 12 weeks' credit. Fall, Winter, Spring, and Summer terms.

MISS JUDSON

104. Applied Design. This course includes the study of the principles of pure design as expressed in line, dark and light, and color, leading to problems in household arts and costumes. This course is open to students as an elective following Art 101 and 102

*Absent on leave, 1919-20.
†Names in the order of seniority of service.
or their equivalents. 12 weeks' credit. Fall, Winter, Spring, and Summer terms.

105. **Advanced Art.** This course continues the work in pictorial and decorative composition, commenced in Art 101 and 102, with more advanced problems from nature, and landscape subjects. Outdoor sketching will be a feature of this course. 12 weeks' credit. Spring Term.

106. **Advanced Art.** Problems in advanced perspective found in still life studies. A course in poster making and studies in applied design. Fall Term. 12 weeks' credit. MISS GOLDSWORTHY

107. **History and Appreciation of Art.** This course includes the story of art throughout the ages, commencing with Egyptian, Assyrian, Greek, and Roman, in architecture, sculpture, and painting, followed by a review of renaissance and modern art. It will be illustrated by a large collection of pictures. Illustrated notebooks are a feature of this course. 12 weeks' credit. Winter Term. MISS GOLDSWORTHY

108. **Manual Arts.** Art students in a Manual Arts course need the ability to perceive form and express it correctly. Free-hand sketching from forms in nature as a basis for work in decorative design to be applied to objects made in the shops and in the second term in applied design, is followed by free-hand perspective problems in drawing from objects and machinery, illustrating the principles of cylindrical and rectangular perspective. Problems in household arts are also included in this course. Mediums used are pencil, colored crayons, blackboard, and water color. 12 weeks' credit. Fall Term. MISS GOLDSWORTHY

109. **Blackboard Sketching.** This course gives attention to free sketching on the blackboard with the purpose of illustrating other school subjects, and to nature study in plant, animal, and figure work. Use of blackboard is demonstrated to illustrate special occasions: Thanksgiving, Christmas, Valentine Day, Easter, etc. The making of calendars for each month and practice in printing are included in this course. Open to all students who have had Art 101. 6 weeks' credit. Winter Term. MISS GOLDSWORTHY, MISS JUDSON

110. **Industrial Art in Applied Design.** This course includes the study of pure design, the study and application of principles bearing on structural design and structural enrichment in wood-turning, cabinet-making, metal, and leather. Practice is given in the use of pencil, ink, and color wash for design purposes. 12 weeks' credit. Winter Term. MISS JUDSON

111. **Advanced Art.** A study of basic principles of pictorial design, values and color theory applied to structural forms, followed
by work in pen and ink, figure, and landscape composition. 12 weeks' credit. Spring Term. MISS NETZORG

112. Art Observation. Special students in Art, or Art and Music are requested to observe the work in art as taught in the Training School in all grades as their programs permit. Illustrated notebooks are a feature of this course. A weekly conference will be held with the class. 6 weeks' credit. MISS NETZORG

113. Continuation of work outlined under Art 112. 6 weeks' credit.

114. Course of Study. This includes a study of the leading systems of public school art and the making of an illustrated course of study for all grades in the public schools, both elementary and high schools. 12 weeks' credit. Spring Term. MISS GOLDSWORTHY

115. Advanced Design. Problems in advanced household arts and in commercial art. 12 weeks' credit. Spring Term. MISS JUDSON

116. History of Art. Special study of modern masters in painting, sculpture, and architecture. Special thought for a course in picture study for the grades. 12 weeks' credit. Third year. Winter Term. MISS JUDSON, MISS STEVENSON

117. Advanced Art. Figure work is the special feature of this course, working from the model in pictorial and decorative treatment leading to poster work and commercial art problems. 12 weeks' credit. Third year. Spring Term. MISS JUDSON, MISS GOLDSWORTHY
101. **General Biology.** This course aims to present the fundamental biological principles and to serve as a foundation for subsequent biological study. Principles are illustrated by selected plant and animal types. The course consists of lectures and laboratory work. Offered each year. 36 weeks' credit. DR. HARVEY

102. **Zoology.** A general consideration of the structure, physiology, evolution, and environmental relations of animals. Representative types of each phylum of the animal kingdom are studied in the laboratory; lectures and field work complete the course. 36 weeks' credit. MR. PLACE

103. **General Botany.** A broad survey of the systematic, morphological, physiological, ecological, and economic aspects of the plant world. Laboratory and field work. 36 weeks' credit. DR. HARVEY

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

111. **Nature-Study.** The purpose of this course is to present the ideals and methods of nature-study, to arouse in the student the inquiring attitude toward natural phenomena and the original solution of the problems that develop, to acquaint the student with available materials for each of the four seasons, and to give him a grasp of the literature of the subject. The nature-study classes have the benefit of the school agricultural gardens. Field and laboratory work are devoted to identification and ecology of our common plant and animal forms, with special stress on trees, birds, flowers, insects. 12 weeks' credit. Fall, Winter, Spring, and Summer terms. MISS HADLEY

112. **Hygiene of the 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.  

113. **Medical Inspection.** A study of the present methods of controlling the health of school children. Practice is given in diagnosis of common troubles of school children. Special study of contagious diseases. Hygienic and sanitary surveys are made. 6 weeks' credit. Spring Term.  

**DR. HARVEY**  

114. **Sex Education.** This course gives the student an intelligent background with which to meet the problems of society. Lectures are given on evolution, inheritance, environment, hygiene, and eugenics. A biological basis for the study of human sex-social functioning is prepared by a rapid laboratory review of the evolutionary series of animals and plants showing the development of sex. Sex relations based on the world's religions are discussed. This leads to an understanding of the necessity for the social relations advocated by Christianity. The physiological and psychological sex-problems of the adolescent boy and girl are explained. Methods of developing in the child the knowledge of the primary facts of life and how to answer his questions are considered. 12 weeks' credit. Winter Term.  

**MISS HADLEY**  

115. **Anatomy.** This course aims to give the student a clear and definite knowledge of the structure of the human mechanism. Lectures and textbooks are supplemented by a complete mammalian dissection. 12 weeks' credit. Winter Term.  

**MR. PLACE**  

116. **Anatomy.** A continuation of course 115, which is a prerequisite. 12 weeks' credit. Winter Term.  

**MR. PLACE**  

117. **Physiology and Hygiene.** This is an advanced course intended especially for those who have completed the two terms in anatomy, though open to any who have had a high-school course in physiology. Required in Physical Education course. 12 weeks' credit. Spring Term.  

**MR. PLACE**  

118. **Hygiene.** The factors of both personal and social hygiene are considered, with especial emphasis on the causes of ill-health and disease, and their control and prevention. 12 weeks' credit. Fall, Winter, and Spring terms.  

**MR. PLACE**  

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

**DR. HARVEY, MR. PLACE**  

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

121. Heredity. This course is devoted to a more detailed study of the factors of evolution, which were only briefly treated in course 120, with special emphasis upon variation and heredity. The attempt is to give the student a grasp not only of the principles involved, but of the problems and the methods of investigation. Biology 120 is a desirable prerequisite. 12 weeks' credit. Winter Term. DR. HARVEY

122. Bio-Sociology. Courses 120 and 121 naturally lead to the content of this course. A study is made of those fundamental biological doctrines which are essential to an understanding of the social organism as a biological product. The biological laws determinative of the origin and evolution of society are especially emphasized and a natural basis for ethics and religion is developed. An outline for a rational control of the future evolution of society completes the course. 12 weeks' credit. Spring Term. DR. HARVEY

123. Agriculture. The aim of the course is to give the student a reasonable mastery of the subject-matter usually considered in elementary courses in agriculture, so that he may be able to teach the subject as required in the public schools of the state, and also to direct and supervise such social organizations and activities as may be founded upon a knowledge of agriculture or in some way related to it. When it is at all possible, students are urged to take the entire year's work, but the work of each term may be pursued with profit as a twelve weeks' course.

A. A study of stock—breeds, care, and rationing. 12 weeks' credit. Fall Term.

B. Michigan soils are used as a basis for the study of soils, fertilizers, and manures. Lectures and demonstrations are given to prepare students for leaders in boys' and girls' clubwork. 12 weeks' credit. Winter Term.

C. Agricultural Nature-Study. A study of the plants and animals of Michigan is pursued in the field and laboratory. 12 weeks' credit. Spring Term. MISS HADLEY

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

CHEMISTRY

DR. McCracken

101. General Chemistry. This course is required of all students majoring in chemistry, and may be taken by those desiring a one-year credit in the subject. Previous training in the subject is desirable but not required. It is required for entrance to all other courses in chemistry. Laboratory work is required. 36 weeks' credit. Fall, Winter, and Spring terms. DR. McCracken

102 A, B. General Chemistry. Required of all students in the Household Arts course who have had no chemistry. No other students admitted. 24 weeks' credit. Fall and Winter terms. DR. McCracken

103. Household Chemistry. This course is for students in the Household Arts course only. Prerequisite, an elementary course in general chemistry. Students who have had no chemistry will take 102, and then enter this course. Required in Household Arts Life Certificate course. 12 weeks' credit. Spring Term. DR. McCracken

104. Qualitative Analysis. Tests for metals. Lectures and laboratory work. Required of students majoring in chemistry. May be elected by others. Course 101 is a prerequisite to this course. 12 weeks' credit. Fall Term. DR. McCracken

105. Qualitative Analysis. Tests for acid radicals and analysis of unknowns. Requirements same as for 104. 12 weeks' credit. Winter Term. DR. McCracken

106. Advanced Qualitative Analysis. Analysis of alloys, ores, minerals, water, etc. Elective. Prerequisite, courses 104, 105. Spring Term. DR. McCracken

107. Gravimetric Analysis. Lectures and laboratory work. Required of students majoring in chemistry. Prerequisites, courses 101, 104, 105. May be elected by those prepared to take it. 12 weeks' credit. Spring Term. DR. McCracken

108. Volumetric Analysis. Requirements same as for 107. Elective. 12 weeks' credit. Fall Term. DR. McCracken

109. Advanced Analysis. Follows course 105. Analysis of ores, coal, water, etc. 12 weeks’ credit. Elective. DR. McCracken

110. Organic Chemistry. Lectures and laboratory work. Prerequisites, courses 101, 104, 107, 108. 24 weeks' credit. Winter and Spring terms. DR. McCracken
111. **Inorganic Preparations.** A course in the preparation of inorganic compounds. Requirements the same as for 110. Elective. 12 weeks' credit. Spring Term. DR. McCracken

112. (a) **History of Chemistry.** Six weeks will be devoted to a study of the development of chemistry as a science.

(b) **Chemical Manipulation and Laboratory Technique.** Six weeks will be devoted to the practical side of the teaching of the subject. Required of all students specializing in the subject. Must be preceded by courses 101, 104, 105, and 107. 12 weeks' credit. DR. McCracken

**COMMERCE**

**MR. LORING**

**MR. LORING**

**MRS. WISELEY**

**Note.**—Students in other departments who elect shorthand or accounting must take two consecutive courses to secure credit.

101. **Accounting.** The theory of the double entry system, analysis and classification of transactions, problems in technique, closing and statements. Required. 12 weeks' credit. Spring Term. MR. Loring

101a. **Household Accounting.** The first half of the course will be taken with students in 101. The later applications will be upon the problems of household expense. Elective. 12 weeks' credit. Summer and Winter terms. MRS. Wiseley

102. **Accounting.** Interest, partnerships, joint ventures, account analysis, and advanced study in financial statements and closings. Prerequisite, course 101. Required. 12 weeks' credit. Fall Term. MR. Loring

103. **Accounting.** Depreciations, nature of particular assets and their subordinate accounts, corporate accounts and stocks and bonds. Prerequisite, course 102. Required. 12 weeks' credit. Winter Term. MR. Loring

104. **Accounting.** Special fields of accounting. Reference readings, reports, and problems. Prerequisite, course 103. Elective. 12 weeks' credit. Spring Term. MR. Loring

105. **Accounting.** A study of costs. The literature on the subject, practical problems, and a laboratory set. Elected by special permission. Prerequisite, course 104. Elective. 12 weeks' credit. MR. Loring

106. **Business Law.** An effort is made in this and in the following course to present the widest range of business law that can be adequately covered in twenty-four weeks. The following subjects are studied: contracts, agency and service, personal and real
property, business associations, insurance and negotiable contracts. Required. 12 weeks' credit. Fall Term. MR. LORING

107. Business Law. A continuation of 106 giving a total of twenty-four weeks' credit. Prerequisite, 106. 12 weeks' credit. Winter Term. MR. LORING

108. Commercial Arithmetic. An arithmetical study of business processes and incidental study of various trading activities. Required. 6 weeks' credit. Fall Term. MR. LORING

109. Commercial Arithmetic. A continuation of course 108. Prerequisite, course 108. Required. 6 weeks' credit. Winter Term. MR. LORING

110. Office Management. Principles of office administration, location, layout, methodizing communication, control of correspondence and other activities. Required. 6 weeks' credit. Spring Term. MRS. WISELEY

111. Letter-Writing. This course is intended for those desiring to gain facility in various forms of letter-writing for business use. It aims to establish standards of judgment for form and expression in accordance with the best usage; to comprehend the usage from a study of the development of business letter writing, and an analysis of the principles embodied in the best modern business letters; to develop individuality of style. Required. 6 weeks' credit. Fall Term. MRS. WISELEY

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

115. Business Administration. A presentation in modern practice in the administration of industrial enterprises. Major topics considered are: the problems of equipment, the formation of an administrative organization, the adjustment of the relations of labor and capital, and the forms of mercantile distribution. Prerequisite, Economics 101A and 101B. Elective. 12 weeks' credit. Spring Term. MR. LORING

101. Shorthand. Elementary. Required. 12 weeks' credit. Fall and Summer terms. MRS. WISELEY


103. Shorthand. Advanced. Prerequisite 102. Required. 12 weeks' credit. Spring Term. MRS. WISELEY

104. Shorthand. This course, a continuation of Shorthand 103, consists of the dictation of material of average difficulty and
aims to equip the student with the ability to write and read shorthand at a moderate rate of speed. Required. 12 weeks' credit. Fall Term.

101. Typewriting. Elementary. Required. 6 weeks' credit. Fall Term. MRS. WISELEY

102. Typewriting. Intermediate. Prerequisite 101 or its equivalent. Required. 6 weeks' credit. Winter Term. MRS. WISELEY

103. Typewriting. Advanced. Prerequisite 102. Required. 6 weeks' credit. Spring Term. MRS. WISELEY

EARLY ELEMENTARY EDUCATION
(KINDERGARTEN—FIRST AND SECOND GRADES)

MISS GAGE

MISS SPINDLER

MISS COPPENS

101. Early Childhood Education. A fundamental course planned primarily to acquaint students with childhood, its impulses, instincts, emotions, interests, with attendant activities, play and work. Specific studies of children in play and work situations by means of observation and reminiscences will be required in addition to stated readings, reports, and class discussion. The course offers a working basis for, and in part runs parallel with "Content of Curriculum 102A and 102B." 24 weeks credit. Fall Winter, and Summer terms.

A. The work of the first term aims to give the student a general acquaintance with the behavior of young children, including a study of interests, play, imagination, and the freeing processes fundamental in their growth and developments.

B. The work of the second term is a continuation of the study of the child of early elementary grades, emphasizing the study of controls, habit, moral and emotional development as the result of the child's activities. MISS GAGE

102. Contents of Curriculum. The purpose of this course is to acquaint the student with the subject-matter of the kindergarten, first, and second grades, together with methods of presentation. It centers about industrial, social, and nature projects carried out in handwork, literature, hygiene, arithmetic, songs, and games. 24 weeks' credit. Winter, Spring, and Summer terms.

A. Toy-making from miscellaneous materials such as wood and cardboard boxes, spools, film-rolls, and scraps. Projects—(a) home, store, farm, transportation; (b) festivals. Winter Term.

103. **Current Educational Problems.** This course presupposes a familiarity with general principles of education and at least one term of practice teaching. The purpose of the course is to test these principles and apply them to practice problems in early elementary education. A comparative study of modern theorists and types of modern schools will form the basis of further discussion for evaluating the content of a modern curriculum. 12 weeks’ credit. Winter and Spring terms. Senior year. MISS GAGE

104. **Beginning Reading.** This course is centered around the aims, subject-matter, and methods of the reading work of the first three grades. A study is made of kindergarten activities, which may be used as a basis for beginning reading. The question of method is considered next with special emphasis on some of the most used methods, such as Aldine, Beacon, Merrill, Gordon. An effort is made to show how reading may be made a continuous outgrowth of childhood experience. Choice of material is considered from the mechanical and psychological point of view. 12 weeks’ credit. Fall, Winter, and Spring terms. MISS GAGE

105. **Games and Rhythms.** A study of the earliest and crudest forms of individualistic expression, moving toward the more highly organized types of play and art as revealed in traditional games, the dramatic games; representative rhythms leading to the dance forms, and finally the largest social grouping, the festival. Consideration will be given to mood, characterization, plot, and their relations. The aim is primarily to help the student to value the importance of losing self in play as well as to gain ability in constructing games and dances for children in early elementary grades. Elective. Open to all students. 12 weeks’ credit. Fall Term—seniors. Spring Term—juniors. MISS GAGE

106. **Survey of Early Elementary Problems.** A course designed to meet the growing demand for some acquaintance with the problems involved in the education of young children. The aim will be to acquaint the student with needed changes in practice, based upon child-study data, observations in the elementary grades, and a full discussion of principles underlying the curriculum. Elective. Open to all students, particularly those contemplating supervisory and administrative work. 12 weeks’ credit. Spring Term. MISS GAGE
EDUCATION AND PSYCHOLOGY

MISS SPINDLER  
MR. RENSHAW  
MR. HOEKJE  
DR. HENRY

EDUCATION

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. At the close of the term students will be assigned to the rooms in which they are to teach for the ensuing term, and their observation will be directed by the supervisor in that grade, in preparation for their teaching work. Prerequisite to all practice teaching. 12 weeks' credit. Fall, Winter, Spring, and Summer terms.

MISS SPINDLER

125. History of Ancient Education. The material treated in this course covers the period from savage education to the early Christian times. Permanent contributions to educational theory and practice will be emphasized. Elective. 12 weeks' credit. Not open to first-year students.

MR. HOEKJE

126. History of Mediaeval Education. In this course an attempt is made to understand the social organization of Europe during the mediaeval period, and the theories and institutions upon which this society was founded. In so far as is possible, a careful study is made of the philosophy, religion, and sociology of the period in their general relation to education. The latter part of the course is devoted to summarizing the progress of education before modern time. Elective. 12 weeks' credit. Not open to first-year students.

MR. HOEKJE

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

MR. HOEKJE

128. Secondary Education. (High School Problems). This work is designed especially for teachers of secondary grades (7 to 12), for principals, and for superintendents. It deals primarily with specific problems of secondary education which arise in connection with the curriculum. The social life of adolescence, and the voca-
tional significance of the various school subjects are considered. Special oral and written reports, free class discussions, and required readings supplement the usual recitation work. Prerequisite to this course: Introductory Psychology 101. Elective. 12 weeks' credit. Not open to first-year students.

129. **School Administration.** This course is intended primarily for those who expect to engage in school administration, whether as superintendents, principals, or supervisors. Because most effective administration is not possible without thoroughgoing co-operation on the part of all within a given school system, teachers who wish to understand better the conditions under which they work will be accepted as students in this course. The course involves a detailed study of school support; administrative units; school boards and supervisory officers; training, appointment, school equipment; control of textbooks; classification and progress of children in the schools (compulsory education, promotion, retardation, acceleration, elimination, special classes, etc.), etc. Concrete material will be collected by members of the class from contact with actual field conditions. Prerequisites: Psychology 101, Principles of Teaching 101. Elective. 12 weeks' credit. Not open to first-year students.

130. **The Philosophy of Education.** Students in this course will attempt to gain a general background for thought and practice. Educational ideals, methods and values will be studied critically and constructively. Effort will be made to discover the relation of biology, physiology, psychology, and sociology to education. Current contributions to the problem will be analyzed with care. Prerequisite: Psychology 101 and 102. Elective. 12 weeks' credit. Not open to first-year students.

132. **Public School Curricula.** This course deals with the curricula of the public school. A preliminary study of the principles underlying the course of study and the history of its development will be followed by a detailed investigation of current methods of instruction and of the organization, value, and content of the various subjects of the high-school course. Prerequisites: Psychology 101 and 102, and Principles of Teaching 101. Elective. 12 weeks' credit. Not open to first-year students.

134. **Psychology of School Subjects.** The work of this course embraces a review of the best literature of the period of adolescence and early childhood with special reference to the mental processes involved in learning in the case of the most commonly offered school subjects. Prerequisite: Psychology 101 and 102. Elective. 12 weeks' credit. Not open to first-year students.
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. HOEKJE

137. High School Methods. This course is designed primarily for those who expect to teach in junior or in senior high schools. It supplements course 128. It stresses proper methods of teaching various high-school subjects, discipline, elimination of waste, means of effective organization of subject-matter, etc., etc. Some field work with written reports is involved. Psychology 101 and 102 are prerequisite. Not open to first-year students. 12 weeks’ credit. MR. HOEKJE

PSYCHOLOGY

101. Introductory Psychology. This is a course for beginners. The course consists of lectures, recitations, quizzes, and laboratory work. Required in all courses. 12 weeks’ credit. Fall, Winter, and Spring terms. MR. RENSHAW, DR. HENRY

102. Educational Psychology. An intensive analysis of the nature and conditioning factors of the learning process. The recitations and lectures are supplemented with a training course in the psychological laboratory. Required in Life Certificate courses. 12 weeks’ credit. Fall, Winter, and Spring terms.

MR. RENSHAW, DR. HENRY


105. Genetic Psychology. A course in the phyletic evolution of mind. Especially desirable for those who expect to teach in the grades. Invaluable to a broader grasp of the nature of mentation and of the education of children. Prerequisite: courses 101 and 102. Elective. 12 weeks credit. MR. RENSHAW
106. Comparative Psychology. This is a course in the psychology of mentation and behavior of animals below the human level. Through it one comes to a fuller appreciation of the problems of human conduct and understanding. Its methods and laboratory technique are especially suited to the needs of students of child nature. Class work is supplemented with laboratory and field studies. Prerequisite: courses 101 and 102. Elective. 12 weeks’ credit. MR. RENSHAW

107. Experimental Psychology. This is an advanced course in experimental psychology and is open only to third-year students or to those who have done satisfactorily courses 101 and 102, or the equivalent. All three terms must be elected as the work is a continuous sequence. Designed especially to meet the needs of those who wish a more detailed acquaintance with the processes as the basis for advanced work in education, medicine, law, etc. Much of the work is done in the laboratory, which is supplemented with lectures, reports on the literature, conferences and quizzes. Elective. 36 weeks’ credit. Fall, Winter, and Spring terms. MR. RENSHAW

110. Clinical Psychology. A course in mental and intellectual tests and measurements. In this work the student is made familiar with all the standard tests and measurements and their technique. In addition to the studies made in class, laboratory and clinic visits are made to institutions. Kalamazoo offers an abundance of material for examination in retarded, delinquent, dependent and all types of atypical children. Admission to the course is only after consultation. At least a year’s work in the psychological laboratory, and personal adaptability are requirements. Elective. 12 weeks’ credit. MR. RENSHAW

111. Minor Problems in Educational Psychology. A laboratory course in which each student is assigned a definite problem to be worked out under the supervision of the instructor. Conferences with the instructor at regular intervals take the place of the ordinary class recitation. There will be demanded of each student a systematic study of all available literature bearing on his particular problem. The results of investigation must be submitted in the form of a paper, which, if of sufficient merit, may be published. This work must be completed in a single term. Offered each term. Prerequisites: courses 101, 102, and the consent of the instructor. 6 weeks’ credit. DR. HENRY, MR. RENSHAW

112. Educational Measurement. A course in the theory and technique of the standard scales and tests for measuring ability 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. Of especial value to those looking forward to administrative or supervisory positions. Not open to first-year students, and must be preceded by courses 101 and 102. Winter and Spring terms. 12 weeks’ credit. DR. HENRY

113. Psychology of Exceptional Children. This course is intended to meet the needs of those who are planning to teach in special rooms for exceptional children of various types. Attention will be given to the psychology of children who are dull and backward, as well as of those who are definitely feeble-minded. Some consideration will also be given to the question of the gifted or “supernormal” child. The course will include a discussion of the modifications in teaching methods which must be made in the work of ungraded classes and special rooms. Prerequisites: courses 101, 102, 103, or their equivalent, and the consent of the instructor. Not open to first-year students. 12 weeks’ credit. Spring and Summer terms. DR. HENRY

ENGLISH

MISS RAWLINSON

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 1000 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. Required in Life Certificate courses. 12 weeks’ credit. Fall, Winter, Spring, and Summer terms. DR. BROWN, MISS RAWLINSON

101a. 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. Spring Term. DR. BROWN, MISS RAWLINSON

102. English Literature. An historical survey of the whole field of English literature with special emphasis on the drama and
DETAILED DESCRIPTION OF DEPARTMENTS

the novel. Students should enroll for the entire year’s work. First-year elective. 36 weeks’ credit. Fall, Winter, and Spring terms.

A. The history of English literature. Wide reading in biography and representative selections from the various periods. 18 weeks’ credit. Fall and Winter terms.

B. A study of the English drama or the English novel given in alternate years. 18 weeks’ credit. Winter and Spring terms.

DR. BROWN

NOTE.—For full description of 102B see courses 108 and 113.

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. Fall, Winter, Spring, and Summer terms. 12 weeks’ credit.

MISS RAWLINSON

105. Nineteenth Century Prose. A study of non-fiction prose of the nineteenth century. Offered in alternate years with English 109 and under the same conditions.

A. Coleridge, Lamb, Hazlitt, Hunt, and Landor. Fall Term.
B. DeQuincey, Macaulay, Carlyle, and Newman. Winter Term.

Senior and third-year elective. 36 weeks’ credit. Offered in 1919-20.

MR. SPRAU

106. Anglo-Saxon. The purpose of the course is to give the student some acquaintance with Old English grammar and Old English forms as a foundation for more thorough study and understanding of Modern English, and to give him a clearer conception of early English literature. Bright’s “Anglo-Saxon Reader” is used as a text, supplemented with wide reading in translation from early English literature, and in the history of the period. Required of students who major in English in the A. B. course. Elective for all other seniors and third-year students. 18 weeks’ credit. Fall and Winter terms.

DR. BROWN

107. Chaucer. As much as possible of Chaucer’s poetry is read in the original with special attention to pronunciation, grammar, and meter. The life and time of Chaucer are carefully studied as an aid to the interpretation of his poetry. A generous amount of reading in the literature of the Middle English period is usually
required. Required as 106. With the consent of the department, other courses may be substituted for 106 and 107. 18 weeks' credit. Winter and Spring terms.  

108. The English Drama. In the Winter Term, the class will trace the English drama from its origin in miracle and mystery plays through the period of the moralities, the interludes, and the imitations of Latin tragedy and comedy to the work of Lyly, Green, Peele, Kyd, Marlowe, and Shakespeare. In the Spring Term, will be read representative plays of Jonson, Chapman, Beaumont and Fletcher, Webster, and Shirley; heroic dramas by Dryden, Congreve, Farquhar, and Vanbrugh; eighteenth century comedies; and the closet dramas of Byron, Shelley, and Browning. 18 weeks' credit. Winter and Spring terms. (Offered in 1920.)  

109. Nineteenth Century Poetry. This course aims to cultivate in the student a richer appreciation of poetry and to develop some skill in the critical interpretation of literature. The work consists of wide reading in the poetry of the century supplemented by critical and interpretative lectures on the thought of the period as it was reflected in the work of the chief English poets. The course continues throughout the year, and students who elect it must plan to take it as a whole. Credit will not be granted for a fractional part of the work without the previous consent of the instructor to take the course for a single term only.  

A. Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats. Fall Term.  
B. Landor, Tennyson, and Browning. Winter Term.  
C. Mrs. Browning, Clough, Arnold, Rossetti, Morris, and Swinburne. Spring Term.  

Senior and third-year elective. 36 weeks' credit. Given in alternate years with English 105. Omitted in 1919-20.  

110. General Literature. In this course an attempt is made to introduce the student to the general field of literary study and to develop in him some skill in critical interpretation. The typical forms of literature are carefully studied and different ways of approaching the subjects are considered. The course is intended to be a foundation for further study of literature. First-year elective. 12 weeks' credit. Fall Term.  

111. Lyric Poetry. This course is a more thorough study of one form of literature considered in 110. Its aim is to help the student to a fuller appreciation of good poetry, to know why a poem is good literature, and to suggest ways of using poetry with classes. First-year elective. Intended for grade teachers especially. 12 weeks' credit. Winter Term.
112. **American Literature.** An historical survey of the general field of American literature with special emphasis on the chief American poets. First-year elective. 12 weeks' credit. Spring Term. MR. SPRAU

**Note.**—While 110, 111, and 112 represent a consecutive year's work, each unit may be taken separately with profit.

113. **The English Novel.** The first aim of this course is to acquaint the student with the method of studying and teaching prose fiction. For this purpose some short, well-constructed novel will be analyzed in the classroom. After some study of the picaresque tale of Elizabethan times, the class will trace the development of the novel in Defoe, Richardson, Fielding, Sterne, and Smollett, the Gothic romance, and the novels related to the French Revolution. In the Spring Term, the leading English novelists from Jane Austen to the present date will be studied. Each member of the class will be required to make a detailed study of some novelist or phase of the novel, and to report upon the same to the class. 18 weeks' credit. Winter and Spring terms. (Not offered in 1920.) DR. BROWN

114. **Shakespeare.** The purpose of the course is to help the student read Shakespeare with more understanding and appreciation, and to give him practice in reading and interpreting Shakespeare to classes. Six or seven plays are carefully studied in class. Twenty-four other plays are assigned for careful reading. Senior and third-year elective. 24 weeks' credit. Fall and Winter terms. MR. SPRAU

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

**Note.**—English 114 and 114A represent a consecutive year's work. Students who enroll in 114 are strongly urged to complete the course with 114A; but credit will be granted for 114 without taking 114A, and students who have done sufficient work in English, French, German, or Latin may, with the consent of the instructor, enroll in 114A without having taken 114.

115. **Contemporary Literature.** It is the aim of this course to give the student some acquaintance with the better things in the literature of the last twenty years, and to help him choose his reading with more critical discrimination. The classroom work consists of reading and interpreting representative selections, and of lectures on interesting subjects connected with the literature of today. The
course is primarily a reading course; much library work is required. Senior and third-year elective. 12 weeks' credit. Winter and Spring terms.

116. Visiting Courses. Where students' programs will not permit regular enrollment in courses in literature in which they may be interested, or where they cannot find time to do the regular required work in such courses, they are invited and urged to attend the classes in such courses for the recitation and lecture work only. Much can be gathered from visiting such courses systematically. English 105, 108, 109, 110, 111, 112, 113, and 114 may be taken as visiting courses with profit. No units of credit will be given for such work, but in most cases the result will justify the effort.

117. The English Conference. One evening each month members of the faculty who are especially interested in teaching English, and students who are specializing in English meet together to discuss the problems that confront the teachers of English. The meetings are open to all who care to attend.

GEOGRAPHY

MR. WOOD

1. Courses 101A and 101B constitute the minimum essential for teaching geography in any grade of the elementary school.

2. The following courses are required for major work in geography: 101A, 101B, 106, 107, 109, and any one course from the group 103, 104, 105.

3. The following courses are required for minor work in geography: 101A, 101B, and any one of the courses 103, 104, 105, 109.

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.
5. Temperate Grasslands: the Kirghiz Steppes.
6. The Tundra: Northern Canada.
7. Alpine Regions: the Andean Highland. 12 weeks' credit. Fall, Winter, Spring, and Summer terms. MISS HARRISON

101B. **General Geography.** The purpose of this course is to acquaint the student with the general principles that apply to the study of the lands and oceans, and their use in developing the geography of the more progressive regions of the earth. The elements of location, area, climate, relief, rocks, minerals, soils, water power, coasts, etc., are considered from the standpoint of their influence upon economic and social conditions, and upon the distribution of races and nations. All the items that enter into the industrial development of a region are correlated with the object of showing why things are as we find them today. Type illustrations are selected from many regions. 12 weeks' credit. Winter, Spring, and Summer terms. MR. WOOD

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

104. **Geography of Europe.** A study of the relation of the continent of Europe to the world as a whole, its physical features, climates, and resources, and the influences of geographic conditions on the development and present social, industrial, and commercial life of its leading nations. Not open to first-year students. 12 weeks' credit. Winter Term. MR. WOOD

105. **Geography of South America.** A study of the geographic influences in the development and present social, industrial, and commercial status of each of the South American countries. The place of South America in world trade, with special emphasis upon the commercial relations between this continent and the United States. Not open to first-year students. 12 weeks' credit. Fall and Winter terms. MISS HARRISON

106. **Meteorology and Climatology.** Causes and effects of variations of temperature, pressure, winds, and humidity; the cloud-forming processes and their relation to precipitation; weather changes and the methods of weather forecasting. The elements and controls of climate; the characteristics and distribution of the major climatic types; the influences of climate on the distribution of population, on occupations, and customs. Not open to first-year students. 12 weeks' credit. Fall Term. MISS HARRISON

107. **Geology.** A study of (1) rocks and minerals, (2) physiographic processes, (3) the periods of geological history, (4)
the history of the North American continent, (5) the larger features of European geology. Not open to first-year students. 12 weeks' credit. Spring Term.  

108. **Michigan and Home Geography.** A study of the geographic features, and the economic and industrial conditions of the state. 12 weeks' credit. Spring Term. MR. WOOD

109. **Economic and Commercial Geography.** The geographic factors underlying industry and commerce. The products of the farm, range, mine, etc. Current international commerce, with special attention to the geographic influences affecting the trade of the United States with Canada and South America. The principal trade routes of the world. Trade centers. Commercial tendencies. 12 weeks' credit. Winter and Spring terms. MR. WOOD

110. **The Teaching of Geography.** A study of the subject matter of geography adapted to grades three to six inclusive. Discussion of the principles which govern the selection of material for these grades. Methods of presentation. Prerequisite: Geography 101A and 101B. 12 weeks' credit. Spring Term. MISS HARRISON

111. **The Influence of Geography on American History.** A study of the influences of geographic conditions on the course of American history. For students majoring in history and others. Not open to first-year students. 12 weeks' credit. Winter and Spring terms. MISS HARRISON

**HISTORY AND ECONOMICS**

*MR. BURNHAM  *MR. MOORE

**HISTORY**

101. **United States History—Early Period.** This course will deal with the primitive inhabitants of America and the influence of physical environment on the beginnings of the nation. An attempt will be made to give the colonial period its proper unity and show in what manner the colonies were a part of the great British scheme of imperial government. Elective. 12 weeks' credit. Fall Term.

102. **United States History—Middle Period.** Special emphasis will be placed on the causes and conditions leading to the Civil War, beginning with the first quarter of the nineteenth cen-

* Term begins October, 1919.
tury. The Reconstruction Period will furnish material for intensive
study of source materials and analysis of economic readjustments.
The tariff must be understood, to read current history intelligently;
this period furnishes the background. Elective. 12 weeks' credit.
Winter Term.

103. United States History—Modern Period. A study of
the essential facts of American History since the Civil War. The
course will furnish a background for the leading issues of current
politics in the hope of arousing more interest in this most won-
derful era of American development. Elective. 12 weeks' credit.
Spring Term.

Note.—101, 102, 103 may be taken as separate courses or as a
year's sequence.

104. History of Greece. A brief study of the development
of the political, social, and economic life of the Greek people from
the earliest times to the breaking up of the Empire of Alexander
the Great. Emphasis upon Greek civilization and culture. Elective.
12 weeks' credit. Fall Term.

105. History of Rome. From the origin of the Republic to
the establishment of Charlemagne's empire, 800. This course in-
cludes the study of governmental forms and law, and of social and
economic problems of the Roman state; the breaking up of the
Empire and the raids of the barbarians. Elective. 12 weeks' credit.
Winter Term.

106. Mediaeval Europe. 800-1500. Feudal Europe follow-
ing the breaking up of the Frankish Empire; the conflict between
church and state; mediaeval institutions and society; the devel-
opment of commerce; the rise of universities; the Renaissance. Elec-
tive. 12 weeks' credit. Spring Term.

Note.—104, 105, 106 may be taken separately or as a consecutive
year's work.

107. Modern Europe. 1500-1715. The Reformation and Re-
ligious Wars, 1500-1648. This will include the protestant revolt;
the rise of the Dutch Republic; the Thirty Years' War in Germany;
the religious wars in France followed by the rise of absolute mon-
archy; the predominance of France under Louis XIV and the
beginning of English-French conflict. Not open to first-year stu-
dents. Elective. 12 weeks' credit. Fall Term.

108. Modern Europe. 1715-1815. The rise of Prussia and
Russia; enlightened despotism; the decay of absolute monarchy;
Louis XV and XVI; attempts at reform; Revolution and Napoleon.
Not open to first-year students. Elective. 12 weeks' credit. Win-
ter Term.
109. **Modern Europe. 1815-1919.** The Congress of Vienna; nationalism and democracy; industrialism and socialism; the unification of Italy and Germany; the Russian Revolution; the Balkan States; the Great War and Peace. Not open to first-year students. Elective. 12 weeks’ credit. Spring Term.

Note.—While 107, 108, 109 represent a year’s work, each unit may be taken separately with profit.

110. **English History to 1603.** Emphasis upon constitutional and political problems. Elective. 12 weeks’ credit. Fall Term.

111. **English History. 1603-1815.** Emphasis upon constitutional development, social and economic conditions. Elective. 12 weeks’ credit. Winter Term.

112. **British Empire since 1815.** Expansion, methods of governing possessions, foreign relations, constitutional development, social and economic progress. Elective. 12 weeks’ credit. Spring Term.

Note.—While 110, 111, 112 represent a year’s work, each unit may be taken separately with profit.

**ECONOMICS**

101. **Principles of Economics.** A study of the fundamental principles underlying the production, distribution, exchange, and consumption of wealth. Not open to first-year students. 24 weeks’ credit.

A. The principles of economics and their application in the interpretation of present economic society. Fall Term.

B. A more detailed study of the economic problems of present-day society. Winter Term.

Note.—Students who have time for only one term of economics may elect 101A as a 12 weeks’ course.

102. **Money and Banking.** An intensive study of the principles of money and banking, including a critical analysis of the chief currency and banking systems of the present day. Not open to first-year students. 12 weeks’ credit. Spring Term.
FOODS AND COOKERY

101-A, B, C. **Foods and Cookery.** A general course in cooking, planning of meals, and practical housekeeping problems. Open to those wishing to major in foods and cookery. Two-hour periods, four times a week. Elective. 36 weeks’ credit. Fall, Winter, and Spring terms.

104. (a.) **Emergencies.** This course includes “First Aid” remedies for sprains, bruises, cuts, burns, etc.

(b.) **Home Nursing.** The course includes all duties which would be performed by a house nurse, such as care and furnishing a sick room, daily care of patients, treatment in common diseases and methods of disinfection. Some work in invalid dietaries. Elective. 12 weeks’ credit. Fall Term.

105: **Home Sanitation and Management.** Topics: The house, its location, structure, arrangement of rooms, heating, lighting, ventilation, furnishing, systematic housekeeping, cost of living, and keeping of accounts. With this some practical work in cleaning and care of plumbing is given. Elective. 12 weeks’ credit. Winter Term.

106. **Nutrition.** This course includes such topics as digestion, metabolism, and dietetics. Food principles with various amounts of each needed by infants, young children, and adults. Study of the school lunch problem. Elective. 12 weeks’ credit. Spring Term.

110. **Foods and Cookery.** A course planned to meet the desire of those students who wish to take only one term of cookery. The course includes a study of the different food materials and the principles underlying the cooking of each. Some lessons will be devoted to the planning and serving of meals, marketing, and general housekeeping problems. Elective. 12 weeks’ credit. Fall, Winter, and Spring terms.

114. **Rural Course.** This course gives practice in simple cooking lessons which can be offered in a rural school. The noon lunch problem is studied and the laboratory work includes the preparation of foods which could be served warm at the school.
Estimates are made of cost of the food and equipment. Some work is given in the planning and serving of meals. Elective. 6 weeks' credit. Winter Term. MISS THIELMAN

TEXTILES AND CLOTHING

101. Clothing. Elementary clothing forms a basis for further courses, by problems of handwork, simple drafting and adaptation of commercial patterns. Study of the use and care of sewing machines and attachments. Decorative stitches and fine finishing emphasized in the four undergarments made. Care and repair of clothing, a problem throughout the year. Elective. 12 weeks' credit. Fall Term. MISS BLAIR, MISS BERGEN

102. Clothing. Study of line and proportion of the figure, and of clothing design in relation to general fitness. Practice in drafting to measurement, cutting and fitting of plain waist foundation. Simple designing of waists and skirts, done in tissue paper and applied in making a simple waist and tailored skirt of wash or light weight wool material. Care and repair of clothing. Elective. 12 weeks' credit. Winter Term. MISS BLAIR, MISS BERGEN

103. Clothing. Infants' layette planned and made complete by class. Each student makes two problems. Laundering and general care of textiles. Expense accounts kept. Middy blouse made. Lingerie dress made. Special emphasis on simplicity, quality, and technique. Elective. 12 weeks' credit. Spring Term. MISS BLAIR, MISS BERGEN

104. Clothing. A course in millinery consisting of a study of line, color, and general fitness to individual. Paper pattern work given and buckram frames made from patterns. Practice in wiring and covering, with velvet substitute for skill in workmanship. Various edge and crown finishes given. Remodeling and rewiring ready-made frames and covering with velvet. Making of trimmings. Making two practice wire frames from given measurement, third frame covered with maline, lace, braid, or georgette. Elective. 12 weeks' credit. Fall and Spring terms. MISS BLAIR

105. Clothing. A study of primitive textile industries and their relation to those of the present day. A thorough study of the production of textile fibers and manufacture into fabrics, as a basis for better judgment in purchasing. Chemical and physical testing of all fibers and materials will be done. Dyeing, printing, and weaving of different types will be worked out in special problems. This course required of all special textile and clothing group. Elective. 12 weeks' credit. Winter Term MISS BLAIR
106. Clothing. Advanced dressmaking includes cutting and fitting of “French” lining. Making of semi-fitted lining to be used in lingerie or light-weight silk dress. Designing a dress for another student, emphasis upon fitness to the individual. Making of the pattern from a chosen design, using only a plain foundation pattern as a guide. Making of a dress from this pattern, emphasis upon fitting, decoration, and finishing. Elective. 12 weeks’ credit. Spring Term.

114. Clothing. Making of stitches by hand and machine. Hand problems, suitable for grade work, also three simple undergarments made. Care of clothing, darning, patching, etc. Outline study of the four textiles. Elective. 6 weeks’ credit. Winter Term.

INDUSTRIAL ARTS

MR. SHERWOOD  

102. Woodshop. A continuation of course 101 but also open to those students who have had suitable preparation in the elements of wood-working. More advanced work in wood including methods and principles of construction and joinery, care and use of the wood-working machinery, and wood-finishing. Considerable emphasis is placed on the keeping of shop notes and job cards. Incidental fee $1.00. 12 weeks’ credit. Winter and Spring terms.


104. Pattern-Making and Molding. The aim of this course is to give a practical insight into the field of pattern-making by presenting the underlying principles and tool processes, methods of construction and use of shop kinks. Making typical patterns involving solid, split, and loose piece patterns, core boxes, and the laying up of simple molds and castings in soft metals. Material fee $3.00. 12 weeks’ credit.
105. **Elementary Forging.** Instruction is given in construction and use of forge, building and care of fire, selection of coal. Forging exercises involving use of forge tools in drawing, bending, upsetting, punching, splitting, and cutting, welding and tool steel hardening and tempering. Drilling, chipping, filing and fitting. Material fee $3.00. 12 weeks' credit. Winter, Spring, and Summer terms.

MR. BOWEN


MR. BOWEN

107. **Advanced Machine Work.** Opportunity for work on advanced projects as gasoline engine, emery grinder, etc. Indexing on miller, gear cutting, planing, grinding, jig work. Lectures on materials and shop methods. Trips to local machine shops and foundries. Material fee, $3.00. 12 weeks' credit. MR. BOWEN

108. **Elementary Mechanical Drawing.** For those who have had no previous preparation in drawing. Instruction is given in the use and care of instruments and materials, penciling simple exercises, geometrical constructions, lettering, working drawings of simple objects, lettering. Problems in shopwork are used in connection. 12 weeks' credit. Fall, Winter, Spring, and Summer terms.

MR. BOWEN

109. **Mechanical Drawing.** A teachers' course in the principles of orthographic, isometric and cabinet projection. Problems in the projection of lines, surfaces and solids. Advanced working drawings with details of construction and parts. 12 weeks credit. Winter, Spring, and Summer terms.

MR. BOWEN

110. **Mechanical Drawing.** Surface developments, intersections and penetrations, sheet metal layouts with cardboard models of problems. Technical sketching. 12 weeks' credit. Spring and Summer terms.

MR. BOWEN


MR. BOWEN
112. **Advanced Machine Drawing.** Plotting mechanical movements, cam layouts, gearing, strength of materials, problems in simple stresses, design of simple machine parts. Drawings of projects to be made in the shops as gasoline engine, emery grinder, etc. 12 weeks’ credit. Winter, Spring, and Summer terms.

MR. BOWEN

113. **Elementary Architectural Drawing.** Architectural lettering, details of house framing and construction, roof, cornice, foundations, masonry, etc. Plans and elevations of simple building as a summer cottage, garage, shed. Lectures on architecture, style, etc. 12 weeks’ credit. Fall, Winter, and Summer terms.

MR. BOWEN

114. **Advanced Architectural Drawing.** Preliminary sketches, complete plans and elevations, details of trim, etc., of an eight-room house with modern conveniences. Mechanical perspective, specifications and estimates. 12 weeks’ credit. Winter, Spring, and Summer terms.

MR. BOWEN

115. **Concrete Construction.** The aim of this course is to impart the fundamental principles of the many uses of cement and concrete. The universal use of cement makes this course of particular value to teachers in small towns and rural communities. Lectures on the chemistry and manufacture of cement, adaptation to school work, plain concrete construction as sidewalks, curbs, floors, walls, posts with all necessary form work. Reinforced concrete, garden furniture using white cement, marble dust and coloring agents, surface finishing. Bird baths, garden seats, sundials, etc. Material fee $3.00. Spring and Summer terms.

MR. BOWEN

116. **Printing.** An elementary course in the art of printing. Work in typesetting, proofreading, imposition, presswork, distribution, etc. Visits to shops and lectures by competent men from the trade. Shop fee, $1.00. 12 weeks’ credit.

MR. BOWEN

117. **Mechanics of the Automobile.** This is a course given in conjunction with the Department of Physics. It discusses such problems as strength of materials, as illustrated in the design and construction of the chassis; gas engines, both two cycle and four cycle; ignition, magneto and battery and in connection with the last, a careful study of the various types of storage batteries; radiation, as illustrated by the cooling system, and carburetion as illustrated by the various types of carburetors. So far as is possible the theory work will be illustrated with suitable apparatus and materials supplemented with diagrams and drawings. Open to students who have had high-school physics. 12 weeks’ credit.

MR. FOX, MR. SHERWOOD
LATIN

MISS ZIMMERMAN AND ASSISTANT

101. Cicero and Latin Composition. Six orations of Cicero will be read in this course, and as many of his letters as time will permit, accompanied by a study of the political institutions of the Roman Republic. 36 weeks' credit. Fall, Winter, and Spring terms.

MISS ZIMMERMAN or Assistant

102. Vergil. The first six books of the Æneid will be read, or selections from Ovid's Metamorphoses may be substituted for part of the Vergil. A study of Greek and Roman mythology will accompany the reading. 36 weeks' credit. Fall, Winter, and Spring terms.

MISS ZIMMERMAN or Assistant

103. Latin.
A. Cicero's De Senectute and De Amicitia, with prose composition.
B. Livy. Selections from books 1, 21 and 22.
C. Latin Comedy. Selected plays of Plautus and Terence. 36 weeks' credit.

MISS ZIMMERMAN

104. Latin.
A. Horace. Selections from the Odes and Epodes.
B. Horace. Selections from the Satires and Epistles.
C. Letters of Cicero and Pliny the Younger. A study of Roman political institutions during the time of the Republic, and social conditions at Rome during the early empire. 36 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

LIBRARY COURSE

A course of ten lectures on practical library work will be offered each year, and is required of all students some time during their junior year. No credit. Two sections, each term. Fall, Winter, and Spring terms.

MISS BRALEY, MISS FRENCH
MATHEMATICS

MR. EVERETT

MR. BLAIRE

100A. Algebra Beginning with Quadratics. 12 weeks' credit. Fall Term.

100B. Algebra and Solid Geometry. 12 weeks' credit. Winter Term.

Note.—These courses are designed only for students who present for admission one year of algebra and one year of geometry. They are the equivalent of courses 12, 13 and 14 in high-school mathematics, but if courses 12, 13 and 14 are taken by a candidate for a life certificate the total amount of credit granted toward a life certificate will not exceed twenty-four weeks, or two-thirds the high-school credit.

100C. Solid Geometry. Designed for students who present two years of high-school mathematics, but who have not studied solid geometry. 12 weeks' credit. Spring Term. MR. BLAIRE

101. Arithmetic. Lectures and discussions on the history and teaching of the subject, with assigned reading. Extended treatment of typical problems of applied arithmetic. This course must be preceded by at least the equivalent of high-school courses 6 to 11 inclusive. 12 weeks' credit. Fall, Winter, Spring, and Summer terms. MR. EVERETT, MR. BLAIRE

103. Trigonometry. Plane trigonometry, trigonometric functions, identities, inverse functions, solution of triangles by logarithms. 12 weeks' credit. Fall, Spring and Summer terms. MR. BLAIRE

103A. Trigonometry and Algebra. This course includes all of the work offered in course 103 and in addition an introduction to college algebra. Designed for students who wish to major or minor in mathematics and who have not taken trigonometry as a part of their high-school course. Meets five times a week. 12 weeks' credit. Fall Term. MR. BLAIRE

103B. College Algebra and Analytic Geometry. A continuation of course 103A. Rectangular and polar co-ordinates, simultaneous linear equations and determinants. Meets five times a week. 12 weeks' credit. Winter Term. MR. BLAIRE

103C. College Algebra and Analytic Geometry. Completes substantially all of the work offered in course 104b. Meets five times a week. 12 weeks' credit. Spring Term. MR. BLAIRE

104. College Algebra and Analytic Geometry. Rectangular
and polar co-ordinates, simultaneous linear equations, determinants, relations between straight lines. Designed for students who desire to major or minor in mathematics and who have taken trigonometry as a part of their high-school course. Also open to students who are taking at the same time course 103. 12 weeks' credit. Fall and Summer terms.

104A. College Algebra and Analytic Geometry. Permutations and combinations, the circle, quadratic equations, complex numbers, polynomials. 12 weeks' credit. Winter Term.  

104B. College Algebra and Analytic Geometry. The parabola, ellipse and hyperbola, higher plane curves. A brief survey of solid geometry. 12 weeks' credit. Spring Term.  

105. Calculus. An elementary course in differential calculus. Presupposes course 104B or course 103C. 12 weeks' credit. Fall Term.  


109. The Teaching of Secondary Mathematics. The aim of this course is to give the prospective teacher the best educational thought relating to the content and teaching of algebra and geometry in the high school. 12 weeks' credit. Winter Term.  

110. Surveying. A course in field work involving actual problems in surveying and leveling. The final test consists of field notes and a map from a personal survey of an irregular tract. 12 weeks' credit. Spring Term.  

112. Shop Mathematics. An elementary course in the application of the fundamental operations of mathematics to the solution of some of the specific problems that arise in connection with the setting up and design of shop machinery, and also computations that are ordinarily encountered in figuring shop products. Typical problems will have to do with the size and adjustments of pulleys, figuring of gear ratios, and the use of linear and circular verniers. This course is designed to meet the requirements of industrial arts students who desire only the applications of mathematics to specific situations, such as are encountered by the operating mechanic or shop foreman. Students who are looking forward to a career as efficiency or mechanical engineers should elect during the Fall Term of the first year of residence either course 103A or 104. 12 weeks' credit. Winter Term.
121. **Differential Equations.** 12 weeks' credit. Fall Term.  
**MR. EVERETT**

122. **Theory of Equations.** 12 weeks' credit. Winter Term.  
**MR. EVERETT**

123. **Solid Analytic Geometry.** 12 weeks' credit. Spring Term.  
**MR. EVERETT**

125. **Theoretical Mechanics.** The material of this course will consist of a study of the composition and resolution of translations by vector methods, without, however, making use of the notation of vector analysis. In linear and plane kinematics a critical study is undertaken of the following topics: velocity, acceleration, angular velocity and angular acceleration. In dynamics, mass, density, moments and centroids of particles, lines, areas and volumes are studied. An elementary knowledge of calculus is a prerequisite.  
**Text:** Ziwet and Field’s Analytical Mechanics. 12 weeks' credit. Winter Term.  
**MR. BLAIR**

**MODERN LANGUAGE**

**MISS ZIMMERMAN**

**MRS. HOCKENBERRY**

**MR. DES MARAIS**

**FRENCH**

101. **First-Year French.** This course will consist of (1) careful drill in pronunciation, (2) the rudiments of grammar, (3) the reading of 175-250 pages of graduated texts, with constant practice in easy variations of the sentences read, (4) writing French from dictation, and (5) the memorizing of French selections. It will be an aim from the outset to give training in understanding French when spoken and to answer ordinary questions in the language. 36 weeks’ credit. Fall, Winter, and Spring terms.  
**MR. DES MARAIS, MRS. HOCKENBERRY**

102. **Second-Year French.** Oral French is stressed in this course, and conversational English to French exercises illustrate the grammatical principles already learned. The reading of this year is taken from such texts as: Daudet, “Contes Choisis,” “Le Petit Chose”; De la Brète, “Mon Oncle et Mon Curé”; France, “Le Livre de Mon Ami”; Maupassant, Selected Short Stories, Theuriet, Augier, “Le Gendre de M. Poirier”; about “Le Roi des Montagnes,” etc. 36 weeks’ credit. Fall, Winter, and Spring terms.  
**MR. DES MARAIS**
103. Third-Year French. This course makes the student acquainted with some of the chief exponents of 17th century literature, particularly Moliere, La Fontaine, and Racine and will be followed by a reading of later works chosen from Balzac, Hugo, and Rostand. Collateral reading on French life and manners bearing on the above literature. Oral and written narrative will accompany the reading of the texts. 36 weeks' credit. Fall, Winter, and Spring terms. MRS. HOCKENBERRY

104. Fourth-Year French. Stress on conversation based on topics relating to the customs and phases of social life in France, discussion of methods and texts used in teaching French. Observation and practice teaching. Required of all who are looking toward the teaching of French. 36 weeks' credit. Fall, Winter, and Spring terms. MR. DES MARAIS or MRS. HOCKENBERRY

The school Library receives current French periodicals such as "La Revue des Deux Mondes," "L'Illustration," and "Le Courrier des Etats Unis," which are invaluable to the students of the language.

GERMAN

103. Third-Year German. The aim of this course is to bring the student into direct touch with some of the masterpieces of German literature, and to trace the development of the most important movements in German literature and history. The reading will include dramas of Lessing, Schiller, Goethe, and Kleist, one or more modern novels, and lyrics and ballads. 36 weeks' credit. MISS ZIMMERMAN

104. Fourth-Year German. The basis of this course will be the systematic study of the history of German literature. The main stress of the course will be laid on the reading of representative works from the different periods studied. 36 weeks' credit. MISS ZIMMERMAN

105. German Drama. A study of the German drama from Lessing to the present time. Each term's work may be taken as a 12 weeks' elective, or the course may be taken as a whole. Prerequisite, at least two years of German. 36 weeks' credit. MISS ZIMMERMAN

SPANISH

101. First-Year Spanish. Particular attention is paid to pronunciation and the elements of grammar. The use of oral Spanish is encouraged, and some good Spanish readers afford material for class work. 36 weeks' credit. Fall, Winter, and Spring terms. MR. DES MARAIS
CHORUS
102. Second-Year Spanish. Review of grammar, Spanish composition, conversation, and the reading of selected works by modern authors. Commercial correspondence also receives attention. 36 weeks' credit. Fall, Winter, and Spring terms.

MR. DES MARAIS

COMPARATIVE LITERATURE

101. Contemporary Drama. A comparative study of the drama of the present day in Europe and America. No foreign language requirement is made, but students of modern foreign languages will be encouraged to co-ordinate this work with their language study and read plays in the original. 12 weeks' credit.

MISS ZIMMERMAN

MUSIC

MR. MAYBEE
MR. HENDERSON
MRS. DAVIS
*MISS ALLEN

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. 6 weeks' credit in Music and in Art and Music courses. Fall, Winter, and Spring terms.

102. Elements of Vocal Music—Sight Singing and Ear Training. This course must be preceded by course 101 or its equivalent. It consists of ear training, voice culture, melodic writing of a simple character, and practice in part singing. Required of all students in the Music or Music and Art courses. 12 weeks' credit. Winter Term.

103-104-105. Voice Culture. The work in these courses is designed to meet the individual needs of the various voices. The underlying principles of voice building and artistic interpretation are taught. 6 weeks' credit for each course. Fall, Winter, Spring, and Summer terms.

MRS. DAVIS

106. Teachers' 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 preparation for teaching this subject in the grammar grades. Observation is made in the Training School. 12 weeks' credit. Fall, Winter, Spring, and Summer terms.

*Resigned.
Fall Term is designed for teachers preparing to teach in the upper grades and for special music students. 

107. **Methods in Music in Primary Grades.** This course is a suggestive one for teachers in the primary grades as well as for specializing students. The care of the child's voice, and the development of an appreciation of rhythm, as well as the acquisition of a repertoire of children's songs. 6 weeks' credit. Spring Term.

MRS. DAVIS

108. **Primary Songs.** A course designed especially for students specializing in the Early Elementary and Music courses. It will include an enlarged repertoire of songs, simple folk-dances, use of percussion instruments, practice in accompanying, and the writing of original settings. 12 weeks' credit. Winter Term.

MRS. DAVIS

109-110-111. **Harmony.** This course presents sufficient material to enable a student to gain an intelligent knowledge of modern harmonic treatment. Part writing from given basses and melodies, chord and melodic progressions, etc. Students must be able to play sufficiently to render hymn tunes. The work covers three terms. Heacox and Lehman's textbook used, with illustrations and supplementary work from Foote and Spalding and other modern theorists. 12 weeks' credit for each term. Fall, Winter, and Spring terms.

MR. HENDERSON

112. **History of Music.** The evolution of music from the primitive phase to the time of Bach is considered in this course. The text used is Balzell's "History of Music" with collateral reading. 12 weeks' credit. Fall Term.

MR. MAYBEE

113. **History and Appreciation.** Course 112 need not precede this course, although it is desirable. Music from the time of Bach to the present-day composers is considered. The development of the orchestra, opera, oratorio, and various other musical forms are worked out with the aid of the piano, voice, and Victor Victrola, bringing within the hearing of the students various interpretations of the master voices. 12 weeks' credit. Winter Term.

MR. MAYBEE

114. **Musical Composition and Analysis.** This course deals with advanced harmony and the analysis of the various musical forms and must be preceded by courses 109-110-111. Students work out original compositions, either vocal or instrumental. 12 weeks' credit. Fall Term.

MR. HENDERSON

115. **High-School Conducting.** This course is intended for students specializing in music, but should prove helpful to students who are preparing for high-school work. It will include advanced
sight reading and the process of organizing and directing choruses, glee clubs, etc. 12 weeks' credit. Spring and Summer terms.

MR. MAYBEE

116. **Music Observation.** Observation of the teaching of music in the Training School. This includes a comprehensive comparative study of the leading systems of public school music. 6 weeks' credit. Fall Term.

117. **Music Observation.** Continuation of 116. 6 weeks' credit. Spring Term.

118. **Primary Songs.** A brief course on the lines of 108. 12 weeks' credit. Winter Term.

MRS. DAVIS

119-120-121. **Advanced Voice Culture.** Continuation of courses 103-104-105. Extended repertoires using standard songs, selections from operas and oratorios. 6 weeks' credit for each term. Fall, Winter, Spring, and Summer terms.

MR. MAYBEE

122. **Chorus.** Classification for chorus should be made at the opening of the Fall Term. Mr. Maybee will be in his room to examine voices for the chorus, Monday and Tuesday afternoons of the first week of the Fall Term. See chorus under Music Organization, page 27. Rehearsals will be Tuesday evening from 7 to 8 o'clock, and Wednesday morning at 11 o'clock. 12 weeks' credit for a year's work.

MR. MAYBEE

123. **Junior Girls' Glee Club.** Required of all Music, and Music and Art students. Regular meetings once each week.

MRS. DAVIS

124. **Senior Girls' Glee Club.** Required of all senior Music, and Music and Art students. Regular meetings one each week. See Music Organizations, page 28.

MR. MAYBEE

125. **Orchestra.** Regular rehearsal Monday, 4 p. m. See page 28.

126-127. **Musical Composition and Analysis.** A continuation of course 114. 12 weeks' credit for each term. Winter and Spring terms.

MR. HENDERSON

**PENMANSHIP**

MR. GREENWALL

A credit in penmanship is now required of all candidates for normal school certificates in this state. 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. Persons who have credits for penmanship from other institutions or who hold a Zaner or Palmer certificate should present the same for con-
sideration on entrance. The work must be taken until a good style of writing is acquired. Skill and not time is the important factor. Students are required to enroll during the first term of their junior year.

MR. GREENWALL

PHYSICAL EDUCATION FOR MEN

MR. SPAULDING

101. **Gymnastics.** A course in systematic physical education for young men is required. Classes in floor and apparatus work begin at the close of the football season and continue through the Winter Term.

102. **Outdoor Athletics.** Much attention is given to outdoor athletics. Football teams are organized in the fall and baseball is given due attention in the Spring Term. MR. SPAULDING

103. **Indoor Athletics.** In the Winter Term indoor baseball and basketball in the gymnasium are emphasized. Track work, both indoor and outdoor, will also be made a prominent feature of the athletic training for young men. MR. SPAULDING

PHYSICAL EDUCATION FOR WOMEN

MISS GUIOT

MISS HASKELL

A regulation gymnasium suit is required. Medical examination is required of each girl upon entering, and only upon agreement with the school physician may she be termed physically unable to take the work. Physical examination is required of every girl upon entering and at the close of the course. Students temporarily excused from the course may arrange for credit with the head of the department. Prescribed exercises combined with theory course given with Physical Education 105 will be substituted. Prompt enrollment and regular attendance are necessary to secure credit.

Instruction in swimming will be given to those desiring it; the pool is open to women on Mondays, Tuesdays, and Wednesdays.

MISS HASKELL, MISS HUSSEY

101. **Physical Education.** Elementary general gymnastics; figure marching and simple tactics; light apparatus (wands); elementary heavy apparatus and gymnastic games. Fall and Winter terms.

MISS HASKELL, MISS HUSSEY

102. **Physical Education.** This course presupposes Physical Education 101. This work is in advance with emphasis upon organ-
ized games such as long ball, newcomb and shag ball. Winter and Spring terms.  

103. **Physical Education.** This course presupposes Physical Education 101 and 102. It consists of advanced work in tactics, calisthenics, light and heavy apparatus work, folk and gymnastic dancing, games of high organization (indoor baseball, basketball, base crick). 12 weeks' credit. Fall and Spring terms.  

MISS SPALDING, MISS HUSSEY  

104. **Physical Education.** This course presupposes Physical Education 101, 102, 103. Simple Indian Club swinging is added with continued emphasis on games. Fall and Winter terms.  

MISS GUIOT, MISS HASKELL  

105. **Physical Education.** This course presupposes Physical Education 101, 102, 103, 104. One period is devoted to classroom work. This theory period affords some opportunity for knowledge of the effects of physical exercise on the body and the need of systematic exercise for all. Also the classification of exercise, games and folk dances for the different ages is made. Notebook is required for this course. Practice work continues in the remaining two periods. Winter and Spring terms.  

MISS HASKELL, MISS SPALDING  

110. **General Gymnastics.** This course includes the simple practice work in tactics, calisthenics, light and heavy apparatus, with analysis of its progression. 6 weeks' credit. Fall Term.  

MISS GUIOT  

111. **Folk-Dancing.** A course consisting of German, Swedish, Danish, English, Scotch, Russian, and American folk-dances. 6 weeks' credit. Fall Term.  

MISS GUIOT  

112. **Aesthetic Dancing.** This subject will be continued throughout the remainder of the two-year course. Both Gilbert and Chalif exercises and dances will be taught. 6 weeks' credit. Winter Term.  

MISS HASKELL  

113. **General Gymnastics and Aesthetic Dancing.** 6 weeks' credit. Spring Term.  

MISS GUIOT, MISS HASKELL  

114. **General Gymnastics and Aesthetic Dancing.** 6 weeks' credit. Fall Term.  

MISS GUIOT, MISS HASKELL  

115. **General Gymnastics and Aesthetic Dancing.** Winter Term.  

MISS GUIOT, MISS HASKELL  

116. **General Gymnastics and Aesthetic Dancing.** Advanced calisthenics and heavy apparatus. Spring Term.  

MISS GUIOT  

117. **Swedish Theory and Practice.** Study of the Swedish system of physical education, of the progression, selection, and arrangement of exercises in the Swedish Day's order. 12 weeks' credit. Winter Term.  

MISS HUSSEY
118. **Swedish Theory and Practice.** Continuation of course 117. Emphasis is placed upon the planning and teaching of the Swedish Day's order. 6 weeks' credit. Spring Term. **MISS HUSSEY**

119. **Playground Organization.** The theory of the growth and advancement of playgrounds with attention given to the organization of playgrounds is taken up. Laying out of grounds and the choice and arrangement of apparatus is given due consideration. Play activities from the simplest form to the highly organized competitive games are carried on in the gymnasium. 12 weeks' credit. Spring Term. **MISS GUIOT**

120. **Applied Anatomy and Corrective Gymnastics.**
(a) Applied anatomy. The mechanics of bodily movements is carefully studied. Muscles are described as to location and action.
(b) Corrective gymnastics. A study of special exercises for their corrective value. 12 weeks' credit. Winter Term. **MISS HUSSEY**

121. **Gymnasium Construction and Equipment.** A study of building and equipping of gymnasiums, with consideration of swimming pools and locker rooms. Particular attention is paid to the location and sanitation of the same. 6 weeks' credit. Winter Term. **MISS HUSSEY**

122. **Games and Athletics.** Much of this work will be given out of doors.
(a) A graded course of games arranged to meet the needs of the child at the various stages of development. Outdoor and schoolroom games.
(b) Practice of athletics. Lectures on the theory of athletics, including rules governing track and field events, management of meets, etc. 6 weeks' credit. Fall Term. **MISS GUIOT**

123. **Methods.** A continuation of 110. Methods of teaching general gymnastics; the progressive value of exercises and the use of apparatus studied. Gymnastic work for the schoolroom is given much consideration. 6 weeks' credit. Winter Term. **MISS GUIOT**

**PHYSICS**

**MR. FOX**

101A. **Mechanics.** A course in general physics consisting of recitations and laboratory work. This course, together with 101B and 101C, furnishes an excellent foundation for students preparing to teach physics in the high school, or for those who wish to specialize in physics later. Prerequisite: high-school physics. Students
electing these courses should plan to do their laboratory work in the afternoons. Laboratory fee, $1.00 per term. 12 weeks’ credit. Fall Term.

101B. **Magnetism and Electricity.** This course should follow 101A. The same general plan is followed as in 101A. 12 weeks’ credit. Winter Term.

101C. **Heat and Light.** This course completes the year’s work in general physics. 12 weeks’ credit. Spring Term.

102A. **Advanced Mechanics.** This course is an extension of course 101A and will consist largely of problems and laboratory work. Prerequisites: trigonometry and analytic geometry. Laboratory fee, $1.00. 12 weeks’ credit. Fall Term.

102B. **Alternating Currents.** An elementary treatment of this important subject designed to familiarize the student with the fundamental principles of the subject. Prerequisite: trigonometry and analytic geometry. A knowledge of integral calculus will enable the student to work out many of the results which otherwise must be taken for granted. 12 weeks’ credit. Winter Term.

102C. **Advanced Optics.** Prerequisites: trigonometry and analytic geometry. 12 weeks’ credit. Spring Term.

107. **Practical Electricity.** Designed especially for Industrial Arts students though others may elect this course. It concerns itself with the many practical problems of electricity such as the measurement of resistance of wires and their gauge numbers, the construction and use of ammeters, voltmeters, wattmeters, the construction and use of various types of motors and dynamos for direct and alternating currents and the construction and use of the electromagnet in telegraph and telephone work. Laboratory fee, $1.00. 12 weeks’ credit. Spring Term.

**RURAL EDUCATION**

*MISS ENSFIELD*  
**DR. BURNHAM**  
**MISS MUNRO**

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

Courses for training rural teachers are already in print which

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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:

A Life Certificate in Rural Education may be secured by high-school graduates after an attendance here of two years. Many districts are now paying wages which justify them in asking for full life certificate preparation on the part of the teachers they employ.

A Limited Certificate, valid in any school in Michigan for three years, may be secured by high-school graduates after an attendance of one year and one summer term. Graduates of this course are in demand in the rural and small village and town schools at wages which their abbreviated preparation justifies them in expecting.

Limited Certificate II., valid in one-room and two-room schools for three years, may be secured by graduates of the 11th grade after an attendance of one year. Some students cannot make a larger investment than this in preparation to begin with, and they seek the best schools they can get on this meager equipment.

The foregoing courses are administered by a special Department of Rural Education in which questions of advantageous enrollment for students beginning their preparation; for graduates of County Normal Training Classes, who wish more preparation for teaching rural schools, or who seek the second renewal of their certificates; for teachers who may wish to change from town or city to rural teaching; for teachers of experience who wish to prepare to teach in County Normal Training Classes; and for teachers, who have taken limited normal school courses for rural teaching and desire to go on, are given due consideration. Consultation with the director of this work should be sought.

The subjects of study offered in this department, may be briefly summarized in three groups: First, such as give a knowledge of children and of their organization, management, and instruction; second, such subjects as give power for localizing the curriculum in natural, industrial, domestic, and health illustrations and applications; and third, a group of subjects intended to develop social intelligence and inspire purposes of participation and leadership in rural community life. Details of undifferentiated courses are given in descriptions of subjects in the departments to which they belong.

Several agencies for supplementing the regular class work for students in the Rural Education courses have been instituted. Rural schools which are conveniently near the Normal School, have been
affiliated and are directed and used as Rural Training Schools to make vivid to prospective teachers of rural schools the actual situation in which they are to work. A rural sociological seminar meets two afternoons each month, and an annual Rural Progress Day brings students in contact with national and state leaders in rural life. For the past two years, the State Club Leaders have held their March training conference here, and the students' interest in agriculture, home economics, and school club work is thereby increased.

101. **Rural Education.** This course will deal with the general questions of teaching, supervising, and administering rural schools. Executive facility and efficiency in the whole work of the school is the major consideration. Not open to first-year students. 12 weeks' credit. Fall and Summer terms. DR. BURNHAM

102. **Rural Economics.** Outstanding among the economic problems raised by the great war, is the question of increasing specific intelligence in rural economics. This course is a response to this defined need. A textbook, such as Carver's "Principles of Rural Economics," will be thoroughly studied, and the course will conclude with a survey of the possibilities of rural school instruction in industrial subjects. Not open to first-year students. 12 weeks' credit. Winter Term. DR. BURNHAM

103. **Sociology.** This course is described in the Department of Sociology. A section will be made for students, especially interested in rural life. Not open to first-year students. 12 weeks credit. Spring and Summer terms. DR. BURNHAM

**Note.**—Students working for a college degree, who wish to elect subjects in this department, should take the foregoing three units.

113. **Sociology.** This course is described in the Department of Sociology. It is open to Limited Course and first-year students. 12 weeks' credit. Fall, Winter, and Spring terms. DR. BURNHAM

102. **Principles of Teaching.** The aim of this course is to prepare students to teach by presenting the principles of teaching, with special emphasis upon the application of methods most immediately needed by rural teachers, and by observation of teachers in the Training School and Rural Training Schools. Prerequisite to rural practice teaching. 12 weeks' credit. Fall, Winter, and Summer terms. MISS ENSFIELD

101. **Curriculum and Management.** The work of this course will be divided into two parts. (1) Curriculum: The State course of study will be studied and supplemented by content material for the common school branches. This will show teachers what to teach in each subject and grade. (2) Management: This part of the course will be devoted to those factors of the school which make
good schoolroom management such as heating, lighting, ventilation, seating, sanitation, the daily program, school law, records, relation of teacher and pupil. Bulletins of the State Department of Public Instruction, and other available material will be used. 12 weeks' credit. Winter, Spring, and Summer terms. MISS ENSFIELD

**Rural Practice Schools.** Observation of assigned problems in rural school organization, and teaching in the Oakwood and Michigan Avenue affiliated schools make up the required unit of practice teaching in rural schools. MISS MUNRO

**Agriculture and Club Leadership.** Courses in these subjects are described in the Department of Biology. MISS HADLEY

**Home Economics.** Courses in cooking and sewing for rural school teachers are described in these departments, and shopwork is written up in the Department of Industrial Arts.

### SOCIOLOGY

**DR. BURNHAM**

101. **Sociology.** Historical and descriptive study of the origins, kinds, elements, and structure of society. An attempt to interpret and illustrate the scope, purpose, and method of sociology, and to bring within the comprehension of students a rational outline of social evolution. Elective, not open to first-year students. 12 weeks' credit. Fall Term. DR. BURNHAM

102. **Sociology.** A study of the social constitution with emphasis placed upon the character and efficiency of organization. The functions of organization in social control. Social ideals and tests for progress. The field and methods of social investigation. Elective, with Sociology 101 advised, but not required as prerequisite. Not open to first-year students. 12 weeks' credit. Winter Term. DR. BURNHAM

103. **Sociology.** A study of current constructive and reconstructive social activities. Home, neighborhood, community, occupational, and professional units, will be discussed with reference to the relations of provincial and class distinctions to the inclusive social organizations. A tentative program for social welfare and advancement will be derived. Elective, with Sociology 101 and 102 advised, but not required as prerequisites. Not open to first-year students. 12 weeks' credit. Spring Term. DR. BURNHAM

113. **Sociology.** A study of social relations and activities in small communities. An elementary text in general sociology is read, and a textbook dealing specifically with village and country life is studied. A collection of source materials illustrating the co-opera-
tion of teachers and schools in local community activities is used. Required in Limited Certificate Course, elective for first year students in other courses. 12 weeks' credit. Fall, Winter, and Spring terms.

Note.—Students who desire to do a year of work in Sociology, should take courses 101, 102, and 103 in sequence; or 101 and 102 and Bio-Sociology (see Biology Department) or Educational Sociology (see Education Department).

SPEECH

MISS ROUSSEAU

101. Reading. This course aims to develop in the student ability in the oral interpretation of literature, including forms of prose, poetry, and the drama. 36 weeks' credit.

MISS ROUSSEAU, MISS SHAW

A. Basic principles of vocal expression, including correct breathing, and study and drill in the vocal elements. Fall, Winter, Spring, and Summer terms.

B. Further analysis and interpretation of the more simple types of prose and poetry. Winter and Spring terms.

C. Analysis and interpretation of the more difficult types of prose, poetry, and the drama. Spring Term.

102. Extempore Speaking. This course aims to develop ease in speaking. It includes a study of the best specimens of modern addresses and frequent practice in the various types of public address. 12 weeks' credit. Fall Term.

MISS ROUSSEAU


MISS SHAW, MISS ROUSSEAU

104. Festival and Pageantry. A study of the value of festivals and pageants, methods of organization, presentation, etc. The class will develop and present one festival. Required in Physical Education Life Certificate Course. 6 weeks' credit. Spring Term. Not offered in 1919-1920.

MISS SHAW

105. Argumentation and Debate. This course consists of a thorough study of the principles of argumentation and brief-making. The student will have much forensic practice in debating public questions of the day. Prerequisite, course 102. 12 weeks' credit. Winter Term.

MISS SHAW
106. **Play Production.** This course deals with the methods of staging plays. It includes a study of stage settings, costumes, and make-up. Lists of plays, publishing houses, manuscript houses, etc., will be prepared. Not open to first-year students. Prerequisite, at least two other courses in this department, or the permission of the instructor. Required of all majors and minors in Speech. 12 weeks' credit. Spring and Summer terms. MISS ROUSSEAU

TEACHING

MR. ELLSWORTH and SUPERVISORS

101-102. **Teaching.** This course will include (1) observation of lessons taught by the supervisors of the grade, (2) the teaching of classes in the Training School, and (3) the study of individual children. There will be meetings with the supervisors and director of practice, and with heads of departments, for conference, in regard to work and discussion of methods of teaching and general school management.

In so far as possible students in the Life Certificate courses are required to take Teaching 101 (12 weeks' credit) and Teaching 102 (12 weeks' credit) in the same term.

Students in the Limited Certificate Course are required to take Teaching 101. 12 weeks' credit.

Practice facilities for teachers who are prepared to teach in rural schools are provided in easily accessible rural schools by the co-operation of the local district boards of education and the county commissioner of schools in Kalamazoo County.

Students are privileged and expected to take part in all the special features of the Training School work. School festivals, parents' receptions, and other special exercises are important factors in the work of the grades, and all who work in the department are required to assist in planning and carrying out these exercises.

Students will meet the director of practice on Wednesdays at eight o'clock and their supervisors on Tuesday and Thursday at the eight o'clock period for conference.

Required in the Limited Certificate (12 weeks' credit) and Life Certificate course. 24 weeks' credit. Fall, Winter, and Spring terms.

103. **Teaching.** The privilege of an elective term in teaching is granted only with the permission of the director of practice and consent of the member of the normal faculty with whom enrollment is made. Students attend meetings as directed by supervisor. 12 weeks' credit.
The Normal High School has been organized for the purpose of furnishing a model small high school which will set standards for this field in southwestern Michigan, to provide an educational laboratory for the investigation of secondary school problems, and to give to those students looking forward to high-school positions, an opportunity for directed teaching.

Experience has shown that the first aim, that of furnishing a thorough high-school training to our students is not incompatible with the function of offering practice teaching, or with the working out of problems in secondary education. The work of the student teachers is done under such close supervisors that a high standard of scholarship is maintained.

The Normal High School is on the accredited list of the North Central Association of colleges and secondary schools and of the University of Michigan.

High School Assembly. All students and teachers in the department meet Tuesdays at 9 o’clock in the high-school assembly room. Several programs each year are in charge of the pupils themselves. Much effort is made to have these exercises both entertaining and instructive.

The Masquers. A high-school dramatic association, was organized in 1916. It aims to interest students in the best forms of drama, and presents one public play during the year. Membership is limited to those students who possess dramatic ability.

Hi-Y Club. In 1916 a high-school Y. M. C. A. club was organized which has grown steadily in membership and activity until it is one of the strongest organizations in the school. The purpose is to “create, maintain and extend throughout the school and community, high standards of Christian character.”

High School Glee Club. This organization is open to all high-school girls and is required of the girls in the high-school music class. The club meets once each week for rehearsal. A musical program will be furnished each term during the year and in addition musical numbers will be furnished for a number of other occasions.

*Miss Baughman, Principal.

*Resigned.
HIGH SCHOOL COURSE OF STUDY

Admission. Pupils who present satisfactory eighth grade certificates will be admitted to first-year classes without examination. Pupils coming from other schools approved by the State Department or by the University will be given credit for work previously done on presentation of certificates of scholarship with full description of work done in each study. To avoid delay applicants should present such certificate before the opening week.

Requirements for Graduation. Sixteen units are required for graduation. (A unit is a subject pursued four or five times a week for thirty-six weeks.)

Only those students will be recommended for admission to higher institutions whose work has been above the minimum passing grade, and whose habits of study warrant such recommendation.

The following groups of subjects are offered:

I. English.

II. Foreign Languages: (a) Latin, (b) French.

III. Mathematics: (a) Algebra, (b) Geometry, (c) Trigonometry, (d) Commercial Arithmetic.

IV. History: (a) Ancient, (b) Medieval and Modern, (c) English, (d) American, (e) Civics.

V. Science: (a) Geography, (b) Biology, (c) Chemistry, (d) Physics, (e) Agriculture.

VI. Industrial Arts: (a) Drawing and Design, (b) Domestic Art, (c) Domestic Science, (d) Manual Training.

VII. Music.

VIII. Commerce.

All pupils must offer the following units:

English 3, Mathematics 2, Science 1, American History and Civics 1, Foreign Language 2.
# PROGRAM OF STUDIES

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<td>*GEOMETRY 9-10-11</td>
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<td>*U. S. HIST. and CIVICS 10-11-12</td>
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<td>Engl. Hist. 7-8-9</td>
<td>Physics 1-2-3</td>
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<td>Mec. Draw. 8-9-10</td>
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<td>Com'l Arith. 1-2-3</td>
<td>†French 1-2-3</td>
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*Required subjects in capitals.
†May be elected in any year.
‡May be elected in 10th or 11th grades only.
Details of Departments

ART

1. **Art.** Commercial lettering and designing as applied to poster making and sign painting. 12 weeks' credit. Fall Term.

2. **Art.** Figure work in pencil, ink, and other mediums, this work leading to commercial illustration. 12 weeks' credit. Winter Term.

3. **Art.** Illustration work for year book. 12 weeks' credit. Spring Term.

MISS STEVENSON

BIOLOGY

1-2-3. **Elementary Biology.** This course aims to introduce the student to the realm of biology, giving him a general knowledge and appreciation of the life about him and its controlling principles, with the hope that such will widen his outlook, increase his capacity for enjoyment and orient him in nature. The course lays the foundation for further work in the department to which it is prerequisite. Consists of laboratory, field, and recitation work throughout the year. Open to all high-school students in their sophomore year. 36 weeks' credit. Fall, Winter, and Spring terms.

MISS HADLEY

23-24-25. **Agriculture and Nature-Study.** (a) A study of the different types of cattle, horses, sheep, swine, and important breeds of poultry. The care of milk, separation of cream, and the Babcock test will be considered. Field work includes inspection of typical farms about Kalamazoo. A study of trees with particular attention to the farm wood lot. Work in forest nursery. Elements of landscape gardening.

(b) Tests and experiments dealing with temperature, air, moisture, porosity, etc. Discussions on tillage and fertilizers. A study of the structure, functions, and hygiene of the human body. Sanitation of the home, school, and community.

(c) Classification and culture. Experimental plats in the school garden, plant diseases, judging of crops, with special emphasis upon corn. A consideration of the common native birds, weeds, and insects with particular attention to their relation to agriculture. Identification of spring flowers. 36 weeks' credit. Fall, Winter, and Spring terms.

MISS HADLEY
DETAILS OF DEPARTMENTS

23, 24, 25 not open to high-school students except by special permission.

CHEMISTRY

1-2-3. Elementary General Chemistry. This is a course for beginners and presupposes no knowledge of the subject. Laboratory work is required and a notebook must be kept. No Normal credit is allowed for this work. The course is limited to high-school students. 36 weeks' credit. Fall, Winter, and Spring terms.

DR. McCracken

COMMERCE

1-2-3. Commercial Arithmetic. An arithmetical study of business processes. The course combines drill in fundamental processes and short methods with trading activities such as merchandise, expenses, banking, insurance and costs. Prerequisite for all other commercial courses. 36 weeks' credit. Fall, Winter, and Spring terms.

MR. LORING

4-5-6. Bookkeeping. The principles of debit and credit, proprietorship and account classification are first studied. The introductory work is followed by special methods in columnar books of original entry and controlling accounts. Commercial Arithmetic 1-2-3 prerequisite.

MR. LORING

DOMESTIC ART

1-2-3. Domestic Art. This course includes the following: use and care of the sewing machine and its attachments, making stitches and seams by hand and machine, with application to household articles and undergarments; the drafting and adaptation of patterns, cutting, fitting, and finishing of undergarments; making a tailored skirt of cotton material, embroidery stitches applied to a waist and making of waist, simple lingerie dress. 18 weeks' credit. Fall, Winter, and Spring terms.

MISS BERGEN

DOMESTIC SCIENCE

1-2-3. Domestic Science. This is a general course in cooking, study of foods, and the principles underlying the cooking of these foods. There will be some work in the serving of meals and other work connected with the management of the home. This
course is open only to high-school students. Two-hour periods, twice a week. 18 weeks’ credit. Fall, Winter, and Spring terms.

MISS THIELMAN

ENGLISH

The aim in first-year English is: (1) To develop in the student, as far as possible, the ability to tell a straightforward, well-balanced pointed story in easy, familiar English. (2) To acquaint him with the essential elementary details of sentence-structure, paragraphing, capitalization, preparation of manuscript, and punctuation. (3) To bring him to a knowledge and appreciation of a number of well-known stories that are genuine literature.

Each student in any English class is required to read one book a month besides his regular class reading.

First Year

1. English. Required in first-year High School course. Two periods a week are given to composition, two periods a week to literature, and one period a week to grammar. Composition will embrace both written and oral work. The oral composition will be chiefly narrative, reproducing the stories of standard writers. The written composition will include single narrative paragraphs, fables, incidents, and situations, based on experiences, and social letters, which will be written at least once a month throughout the year to real correspondents. The time devoted to grammar will be spent on sentence classification, whole and simple subjects and predicates, complements and modifiers, and oral sentence analysis. In the work in literature, classic and legendary narrative prose, and a few simple narrative poems will be studied. 12 weeks’ credit. Fall Term.

MRS. BISCOMB, *MISS BAUGHMAN

2. English. Required in first-year High School course. The work is divided as in English I. In oral composition the narratives are chiefly reproductive. The students will write stories of two, three, or four paragraphs in length. The review in grammar will include a careful study of nouns, pronouns, adjectives, and adverbs. The work in literature will be a continuation of English I. 12 weeks’ credit. Winter Term.

MRS. BISCOMB, *MISS BAUGHMAN

3. English. Required in first-year High School course. This course includes: (1) In oral composition, original stories and

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some original exposition. (2) In written composition, continued work in longer stories, some exposition, and social letters. (3) Under grammar, particular attention will be paid to verbs, conjunctions, interjections, and prepositions. (4) Literature as in English 1 and 2. 12 weeks' credit. Spring Term.

MRS. BISCOMB, *MISS BAUGHMAN

Second Year

(1) Composition and rhetoric, two periods a week.
(2) Literature, two periods a week.
(3) Reading, one period a week.

The study of rhetoric serves as a guide and source of suggestion in writing and speaking, and increases the student's understanding and appreciation of the literature which he is asked to read.

4. Composition-Literature. Required in second-year High School course. This course includes: (1) Composition and rhetoric, a somewhat formal study of narration; single narrative paragraphs, and at least one narrative from three to six paragraphs are required each week. (2) Literature, the careful study of selected English classics. (3) Reading, one period weekly devoted to the reading and study of material in representative magazines and newspapers. 12 weeks' credit. Fall Term.

*MISS BAUGHMAN

5. Composition-Literature. Required in second-year High School course. The work is continued as outlined under English 4. It includes: (1) Description and letter-writing. (2) Careful study of portions of the "Iliad." (3) Magazine and newspaper work. 12 weeks' credit. Winter Term. *MISS BAUGHMAN

6. Composition-Literature. Required in second-year High School course. Exposition is emphasized. Some of Shakespeare's plays and some of "The Idylls of the King" are studied in class. Magazine and newspaper work is continued as in English 4 and 5. 12 weeks' credit. Spring Term. *MISS BAUGHMAN

Third Year


8. English. Required in third-year High School course. Five periods a week, two for literature, two for composition and

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rhetoric, and one for reading. In literature, a careful study is made of the short story, one novel, and several essays. The composition, which is both oral and written, includes the writing of letters, original abstracts, and outlines, news items, editorials, short stories in imitation of those studied, essays, class discussions, and short talks on outside reading and assigned topics. One period each week is given to the reading and study of selected magazine and newspaper items. 12 weeks’ credit. Fall and Winter terms.

9. English. Required in third-year High School course. Five periods a week. During this term, two or three of Shakespeare’s plays, several narratives, and many lyric poems are read and studied. The work in composition as outlined under English 8 is continued. 12 weeks’ credit. Spring Term. MRS. BISCOMB

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

99. Preparatory-Composition. The elements of composition are treated under both form and content. The course deals with punctuation, word usage, paragraph, and sentence structure, and business and social forms in letter-writing. Daily practice is afforded in both oral and written composition. Credit in this course is accepted in Limited II course as part credit in third-year High School English. 12 weeks’ credit. Offered Summer Term only. *MISS BAUGHMAN

Fourth Year

10. English. Elective in fourth-year High School course. Five periods a week. The work in literature includes a rapid survey of the history of English literature, supplemented by a generous amount of reading. The composition work of the year, one period a week, is oral and written. Stories, letters, editorials, reports, debates, and orations receive some attention. Magazine and newspaper work one day each week throughout the year. 12 weeks’ credit. Fall Term. MRS. BISCOMB

11. English. Elective in fourth-year High School course. The work in reading, composition, and literature as outlined under English 10 is continued. 12 weeks’ credit. Winter Term. MRS. BISCOMB

*Resigned.
12. **English.** Elective in fourth-year High School course. Five periods a week, one for a survey of the history of American literature, this to include important biographical facts of the chief writers; two for a rapid reading of their most worthy productions. Composition and reading as outlined under English 10 and 11 are continued. 12 weeks' credit. Spring Term.  

MRS. BISCOMB

**FRENCH**

1-2-3. **First-Year French.** This course will consist of (1) careful drill in pronunciation, (2) the rudiments of grammar, (3) the reading of 175-250 pages of graduated texts, with constant practice in easy variations of the sentences read; (4) writing French dictation, and (5) the memorizing of French selections. It will be an aim from the outset to give training in understanding French when spoken and to answer ordinary questions in the language. 36 weeks' credit. Fall, Winter, and Spring terms.  

MRS. HOCKENBERRY

4-5-6. **Second-year French.** This course includes a review of grammar, a continuation of modern prose and drama, together with paraphrases and abstracts of the texts read. The latter will be selected from Daudet, "Trois Contes Choisis;" "Le Petit Chose;" "De la Brete;" "Mon Oncle et Mon Cure;" France, "L'Abeille;" Augier, "Le Gendre de M. Poirier;" About, "Le Roi des Montagnes;" Legouve et Labiche, "La Cigale chez les Fourmis." Topics will be discussed relating to modern France and French life. Fall, Winter, and Spring terms. 36 weeks' credit.  

MRS. HOCKENBERRY

**GEOGRAPHY**

1. **Physical Geography of the Lands.** This course includes the following parts: (1) A study of the common minerals and rocks—the materials from which the lands are made; (2) a study of the relief features of the lands by the means of pictures, slides, models, blackboard sketching, contour mapping, and field work in the vicinity of the school; (3) the study of the relief of type regions of the earth with a view to illustrating the principles developed in parts (1) and (2). Five periods a week, partly for field and laboratory work and partly for recitations. 12 weeks' credit. Fall Term.  

MR. WOOD

2. **Physical Geography of the Air, Water, and Life of the Earth.** This course includes the following parts: (1) The study of the earth in its universal and planetary relations, leading to
the study of mathematical geography; (2) the leading facts of meteorology and climatology; (3) a study of the climatic regions of the earth in their plant, animal, and human relations. Five periods a week. 12 weeks' credit. Winter Term. MR. WOOD

3. General Geography. This course is taken up with the study of a series of type regions selected to illustrate the principles developed in physical geography, and the studies are carried on in sequence to include the industrial and commercial life of the regions. These studies are supplemented by excursions for the study of physical geography in the fields, and of industries in the factories. Five periods a week. 12 weeks' credit. Spring Term. MR. WOOD

HISTORY AND CIVICS

1-2-3. Ancient History. Elective in High School course. The work is based on a textbook. 36 weeks' credit. Fall, Winter, and Spring terms. MISS LUTJE

4-5-6. Mediaeval and Modern History. Elective in High School course. The work is based on a textbook. 36 weeks' credit. Fall, Winter, and Spring terms. MISS LUTJE

7-8-9. English History. Elective in High School course. Special emphasis is placed on the social and industrial development of England. 36 weeks' credit. Fall, Winter, and Spring terms. MISS LUTJE

10-11-12. United States History and Civics. Required in Rural II and High School courses. 36 weeks' credit. Fall, Winter, and Spring terms. MISS LUTJE

INDUSTRIAL ARTS

2-3-4. High School Shopwork. (a) Woodturning: Practice in spindle, face plate and chuck work. (b) Bench work: Design construction, and finishing of simple furniture; or, (3) Elementary pattern-making. 36 weeks' credit. Fall, Winter, and Spring terms. Material fee, $2.00 each term. MR. BOWEN

8-9-10. Mechanical Drawing. Fall, Winter, and Spring terms. 36 weeks' credit. MR. BOWEN

11-12-13. Mechanical Drawing. Fall, Winter, and Spring terms. 36 weeks' credit. MR. BOWEN

LATIN

1-2-3. For Beginners. Study of forms and syntax, followed by six weeks of connected reading in selections from easy narrative prose. 36 weeks' credit. Fall, Winter, and Spring terms. MISS ZIMMERMAN or Assistant
4-5-6. **Caesar and Latin Composition.** Selections from Caesar's Gallic Wars. A study of the time of Caesar, his place in Roman history and the organization of the Roman army, will be made. 36 weeks' credit. Fall, Winter, and Spring terms.

MISS ZIMMERMAN or Assistant

7-8-9. **Cicero and Latin Composition.** Six orations of Cicero will be read in this course and as many of his letters as time will permit. A thorough study will be made of the political institutions of the Roman Republic. 36 weeks' credit. Fall, Winter, and Spring terms.

MISS ZIMMERMAN or Assistant

10-11-12. **Vergil.** The first six books of the Aeneid will be read and selections from the last six; or selections from Ovid's Metamorphoses will be substituted for part of the Vergil. A thorough study of Greek and Roman mythology will be included in the course. 36 weeks' credit. Fall, Winter, and Spring terms.

MISS ZIMMERMAN or Assistant

**MATHEMATICS**

1. **Arithmetic.** A thorough review of the fundamental processes with integers and fractions, mensuration, percentage and its application. 12 weeks' credits. Fall Term. MRS. MICKEY

*6. **Algebra.** Elementary algebra through, factoring. 12 weeks' credit. Fall Term. MRS. MICKEY

*7. **Algebra.** A continuation of Algebra 6 through linear equations. 12 weeks' credit. Winter Term. MRS. MICKEY

*8. **Algebra.** A continuation of Algebra 6 and 7 to quadratic equations. 12 weeks' credit. Spring Term. MRS. MICKEY

*9. **Plane Geometry.** An elementary course, 12 weeks' credit. Fall Term. MRS. MICKEY

*10. **Plane Geometry.** A continuation of Course 9. 12 weeks' credit. Winter Term. MRS. MICKEY

*11. **Plane Geometry.** The subject completed. 12 weeks' credit. Spring Term. MRS. MICKEY

12. **Algebra.** Algebra completed through quadratic equations. 12 weeks' credit. Fall Term. MR. BLAIR

13. **Algebra.** Algebra. 12 weeks' credit. Winter Term. MR. BLAIR

14. **Solid Geometry.** 12 weeks' credit. Spring Term. MR. BLAIR

103. **Trigonometry.** Plane trigonometry, trigonometric functions, identities, inverse functions, solution of triangles by logarithms. 18 weeks' credit. Fall, Spring, and Summer terms. MR. BLAIR
MUSIC

1-2-3. High School Music. This course is open to students in the high school only. It consists in the cultivation of the voice, sight singing, three part singing and lessons in appreciation of music. Emphasis is laid upon good tones, clear enunciation, and artistic interpretation of songs studied. Use is made of the victrola, three part songs, and folk songs. The text used is the Laurel Song Book.

PHYSICAL EDUCATION FOR WOMEN

*1-2-3. High School Class. This class meets twice a week for general gymnastics, heavy apparatus work, folk dancing, and organized games, and once a week for swimming. Fall, Winter, and Spring terms. MISS SPALDING.

*Required in all High School courses.

PHYSICS

1-2-3. Physics. This is a course for beginners and runs throughout the year. Work will consist of lectures, demonstrations, recitations, and laboratory work by the student. A notebook containing data of laboratory work must be kept by each student. A laboratory fee of $1.00 will be charged each term. Fall. Winter, and Spring terms. 36 weeks' credit. MR. FOX

PSYCHOLOGY

1. Psychology. Seniors in Limited Course II are given a twelve weeks' course in psychology. This course serves as a preparatory study for the principles of teaching and the practice which follow it, and it is also intended to arouse a permanent interest in the study of psychology. 12 weeks' credit. Fall Term. DR. BURNHAM, MISS ENSFIELD

SPEECH

7. Oral English. Required in third-year High School course. A course designed primarily to train students in clear thinking and effective expression of ideas. There is much practice in story-telling, speech-making, and parliamentary law. Fall, Winter, and Spring terms. 12 weeks' credit. MISS ROUSSEAU
HANDWORK
Register of Students

BACHELOR OF ARTS

SENIORS

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JUNIORS

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Linsenmeyer, G. Doris. Hartford
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Miller, Mable ........ Albion
Miller, Sterling H. .... Gobleville
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Morley, Lillian .... Kalamazoo
Myers, L. Beulah .... Kalamazoo
Myers, Delia Gladys .... Conklin
Neal, Gladys I. ...... Battle Creek
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Nelson, Jessie K ... Grand Rapids
Nelson, Oliver .... Ridgway, Pa.
Norcross, Louise H. .... Kalamazoo
O'Beirne, Grace G. .... Muir
Odell, Esther .......... Allegan
O'Melay, Helen E. .... Albion
Overhiser, Grace A. .... Hopkins
Paget, Frances .... St. Joseph
Parks, Erma V. .......... Lawrence
Paul, Mary A. .......... Vulcan
Paulin, Walter C. .... Kalamazoo
*Payne, Gabriella .... Kalamazoo
Penfold, Edith I. ... Frankfort
Penfold, Esther I. .... Frankfort
Perrong, Lucille A. .... Laurium
Perry, Bernice L. ...... Coldwater
Peterson, Thelma ...... Lakeview
Pettigrove, Fleeceie ..... Hart
Pfaff, Ada L. .......... Saugatuck
Pickard, Edith B. .... Kalamazoo
Pitcher, Florence ..... Charlotte
Poole, Marian .... Harbor Springs
Price, Ruth Irene .... Grand Rapids
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Prout, Lois ............... Luther
Pugsley, Clifford ...... Paw Paw
Quarters, John G. .... Marquette

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 Wynn, Mabel .......... Alma

Yeakey, Florence L ...... Wayland
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 Young, Genevieve ...... Vicksburg
 Zang, Isabelle .......... Battle Creek

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Abbey, Elmer .......... Petoskey
 Abrahamson, Maymie . East Lake
 Ackerman, Ernest L .... Bay City
 Adams, Carl .......... Schoolcraft
 Adams, Charlie ...... Montgomery
 Adams, Howard .... Menominee
 Adams, Inez .......... Cloverdale
 Alexander, Aroldo .... Vulcan
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 Balder, Reka .......... Zeeland
 Barnaby, Alvin .... Grand Rapids
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 Barry, Timothy .......... Vulcan
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 Becker, Isaac W ...... Grandville
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 Bender, John .......... St. Joseph
 Benjamin, Frances Kendrick ........ Dansville
 Bent, Elsie .......... Marcellus
 Benzo, Theresa ...... Norway
 Berry, Howard .......... White Pigeon
 Betka, Ruth .......... Scottville
 Bigelow, Marlin .... Kalamazoo
 Bishop, Kenneth .... Benton Harbor
 Bixby, Dorothy .......... Petoskey
 Blanchard, Dorothy M .. Portland
Bliss, Royal D.       Kalamazoo
Blush, Fred W.       Kent City
Bly, Edgar M.        Marcellus
Bobb, Marian L.      Kalamazoo
Boerman, Samuel      Kalamazoo
Boers, Winnie        Kalamazoo
Bolthouse, Herman W. Muskegon
Boone, Margaret      Indianapolis, Ind.
Borrendame, James M. Grand Rapids
Bothamley, C. G.     White Pigeon
Boudeman, Ila       Kalamazoo
Bouwman, Fred       Bradley
Bower, Mrs. Lena Violet       Buckley
Bowersonx, Paul      Kalamazoo
Bowland, Curtland   Kalamazoo
Bowler, Cecil       Allegan
Braamse, Byron L.   Coopersville
Brackney, Mildred N. Clayton
Branyan, Sumner H.  Grant
Braybrooks, Dale    Lawrence
Braybrooks, Ona L.  Lawrence
Bremer, Milton E.   Ross
Brewitz, Olaf George       Benton Harbor
Breyman, Olga       Grand Rapids
Broberg, Blanche Reed Augusta
Brooks, Bernardine  Marshall
Brough, Gladys       Fruitport
Brown, Hazel        Kalamazoo
Brownell, Donald    Kalamazoo
Brundage, Herald A. Sterling
Brunet, Roy J.      Manistique
Brunke, Lowell      St. Joseph
Bryant, Willard G.  Kalamazoo
Bucknell, Irene     Burr Oak
Buehrer, Flora      Leland
Burdick, Mrs. Susie Mattawan
Burgett, Nolan C.   Athens
Burns, Burdette W.  Spring Arbor
Burns, Mabel E.     Kalamazoo
Burpee, Harold D.   Delton
Burridge, Harriet   Benton Harbor
Bush, Beryl E.      Big Rapids
Buter, Minnie       Zeeland
Button, Florence E. Kalamazoo
Buttrick, Leo R.    Ada
Cagney, Alice M.    Scotts
Caldwell, Lawrence  White Pigeon
Califf, Mrs. Pauline Thompsonville
Callahan, Marie B.  Buchanan
Cameron, Duncan     Trout Creek
Cameron, Edward     Trout Creek
Campbell, Frank     Kalamazoo
Campbell, Robert    Kalamazoo
Canfield, Alice    Benton Harbor
Carlson, Albert     Kent City
Carrigan, Andrew   Plainwell
Carroll, Oliver J.  Bellevue
Cartland, Fred W.  Kalamazoo
Cavanaugh, Cora     Hopkins
Chandler, J. C.     Cuthbert       Grand Rapids
Cheney, Clarence A. Quimby
Chervensky, John   Holland
Chesebro, Lawrence E. Grant
Chevrie, Mildred M. Almont
Christy, Charles F. Schultz
Christyler, Harley  Fremont
Clark, John A.     Galien
Clark, Lulu A.     Climax
Clark, Maude B.    Albion
Clark, Max W.      Lawrence
Closson, Willis H. Edwardsburg
Clymer, Harold W.  Bridgman
Colburn, Neal H.   Lawrence
Coleman, Winifred  Kalamazoo
Condon, William H. Lowell
Conrad, Mildred L. Mattawan
Cooley, Vernon     Bloomingdale
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Corbin, Helen G...Grand Rapids
Corteway, Nellie...Battle Creek
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Curry, Ruth..........Kalamazoo
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Cutler, Louadell.Benton Harbor

Daines, Bruce Walter...Beulah
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Davis, Helen I.........Morrice
Davison, Voigt Albert...Allegan
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Day, Ralph E........Union City
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De Groot, John.......Fremont
De Waters, Irvin......Paw Paw
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Dixon, Victor S........Eagle
Doll, Sophia K.........Detroit
Domont, A. Adolphe.Kalamazoo
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Douglas, Everett.....White Cloud
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Dreher, Horace Leer....Niles
Duke, Robert L........Three Rivers

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Elferdink, Willard.....Holland
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Eva Wesley..............Vulcan
Exner, Gladys...........Bellaire

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Ferguson, Madelyn.....Bangor
Ferris, Diana..........Lakeview
Fessenden, Dorotha..Kalamazoo
Finch, Paul W.........Dowagiac
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Fitzgerald, Lynn......Kalamazoo
Fitzpatrick, Lussetta....Battle Creek

Fleisher, Lila.........Eau Claire
Floto, Stanley.........Escanaba
Folz, Clara Belle......Kalamazoo
Forbes, Howard.......Muskegon
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Foster, Irene.......Iron Mountain
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Franklin, Margaret...Hopkins
Frederick, Victor P......Niles
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Frey, Gaylen........Battle Creek
Friend, Raymond.......Sturgis
Frink, Thelma.........Bellaire
Frock, Wesley...Benton Harbor
Fulcher, Anna........Shelby

Gale, Angeline..........Sodus
Garman, Louise.........Mendon
Gates, Orvin.........Vicksburg
Giddings, Ernest.....Hesperia
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Goble, Cecilia........Decatur
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Ireland, Gladys..Berrien Center
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Kuhn, Ruth M.......Vicksburg
Kurtz, Grover A.......Allegan
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Lange, Robert Eugene.......Muskegon
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<td>Peer, Vivian E........</td>
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*Deceased.
Perrin, Victoria .... Grand Rapids
Perry, J. Carlton .... Coldwater
Peters, Helen H .... Battle Creek
Phares, Edgar M .... Benton Harbor
Phelps, Harry R .... Kalamazoo
Pike, L'Jean .... Shelbyville
Pike, Margie .... Shelbyville
Pitcher, Corinne .... Sister Lakes
Pitcher, Prudence .... Sister Lakes
Pleune, John S .... Grand Rapids
Plummer, Cleon K .... Fennville
Pratt, Russell C .... Battle Creek
Prentice, Ernestine .... Kalamazoo
Price, Helen L .... Plainwell
Price, J. Ester .... Grand Rapids
Price, M. Wanda .... Marcellus
Pugsley, Donald W .... Lawton
Pulver, Glenn E .... Vicksburg
Raby, Leona M .... Olivet
Race, Ethel Gertrude .... Kalamazoo
Randall, Cecil P .... South Haven
Rapp, Carol .... Battle Creek
Rapp, Lyle L .... Vicksburg
Read, Edward G .... Richland
Redmond, Leo .... Kalamazoo
Reed, Lawrence .... Galesburg
Reed, Robert D .... Petoskey
Renwick, Julia .... Rockford
Retoska, Helen M .... Big Rapids
Riedel, Adam W .... Kalamazoo
Ring, Joseph M .... Bradley
Rittenger, Freda L .... Lowell
Roberts, Frances R .... Schoolcraft
Robinson, Hiram M .... Athens
Roe, Helen E .... Portland
Roe, Millard J .... Kalamazoo
Rogers, Lila R .... Athens
Roscher, Carl .... Benton Harbor
Rouse, Irving Eaton .... Benton Harbor
Rowlee, Ora B .... Lawrence
Rowley, Lois C .... Grand Rapids
Rudolph, Arno O .... Iron Mountain
Russey, Mark H .... Cassopolis
Ryan, Agnes .... Kalamazoo
Sahlin, John B .... Benton Harbor
Sanford, Fern J .... Kalamazoo
Sayles, Louis O .... Kalamazoo
Schmidt, Hein Peter .... Menominee
Schuiteman, Alfred .... Fremont
Schrader, Fleta L .... Three Oaks
Schreiber, John N .... St. Joseph
Schroder, Roy R .... Marshall
Schroeder, Ethel M .... Marshall
Schroeder, Donald .... Kalamazoo
Schroeder, Laurence W .... Three Oaks
Schultz, Frederick .... Hartford
Scott, Frances L .... Hesperia
Seelig, Nina A .... Northport
Semler, Thomas .... Bellevue
Sergeant, Alfred R .... Grand Rapids
Setter, Doris J .... Miner Lake
Shaw, Clarence .... Middleville
Sheap, Lawrence .... Sturgis
Shears, Howard .... Otsego
Shepherd, Bruce .... Kalamazoo
Sherman, Bernard E .... Vicksburg
Sherwood, Clyde .... Shelbyville
Shirley, Millard L .... Kalamazoo
Shoger, Genevieve .... Wayland
Siefert, Ida M .... St. Johns
Simons, Victor C .... Grand Junction
Simons, Orton W .... Grand Junction
Siple, Allen G .... Otsego
Slack, Elgy .... Three Rivers
Smith, Dean R .... Union City
Smith, Dorothy L .... Grand Rapids
Smith, Esther G .... Paw Paw
Smith, Geraldine .... Bedford
Smith, Gladys .... Kalamazoo
Smith, Marion .... Kalamazoo
Smith, Roscoe R. .... St. Joseph  
Smith, Roy E. .... Eaton Rapids  
Smith, Walter J. .... Kalamazoo  
Snook, Chester A. .... Nottawa  
Snyder, Dewey .... Mason  
Soles, Ralph .... Kent City  
Somers, Clarence .... Detroit  
Spencer, Lawrence .... Lawton  
Sperry, Carl B. .... Plainwell  
Spoor, Leslie M. .... Kalamazoo  
Sprague, Clyde .... Vermontville  
Stanaway, Frederick .... Norway  
Stanton, Dewey .... Delton  
Stap, Martha .... Grand Haven  
Stein, Frank .... Kalamazoo  
Stephens, George .... Manistique  
Stert, Dorothy  
   Oklahoma City, Okla.  
Stevens, Alger C. .... New Era  
Stevenson, Sarah M.  
   Nashville, Tenn.  
Stone, Leland J. .... Union City  
Stratton, Helen B. .... Otsego  
Strunk, Belle .... Dayton  
Swain, James R. .... Coldwater  
Taft, Dorothy Jean .... Kalamazoo  
Taft, Marian R. .... Kalamazoo  
Tazelaar, Dato .... Kalamazoo  
Tennent, Frank Lee .... Sturgis  
Terry, Grace L. .... Buchanan  
Thomas, Berkeley H. .... Bellaire  
Thomas, June C. .... Traverse City  
Thomas, Wayne M. .... Bradley  
Thompson, John M. .... Lakeview  
Tolan, Robert J. .... Caledonia  
Troost, Marguerite L. .... Niles  
Troyer, Victor V. .... Constantine  
Turnbull, Dorothea .... Kalamazoo  
Van Alsburg, Arthur L. .... Coopersville  
Van Antwerp, Francis W. .... Dowagiac  
Vandenberg, Mabel L. .... Kalamazoo  
Van Der Veen, William H. .... Hudsonville  
Van Dyke, Louise .... Grand Rapids  
Van Horn, Ruth G. .... Kalamazoo  
Van Kersen, Lionel .... Muskegon  
Van Liew, Doris L. .... Bellaire  
Van Volkenberg, Ned .... Kalamazoo  
Ver Hage, Earl C. .... Zeeland  
Vincent, Glenn A. .... Lapeer  
Virgo, Harriet L. .... Mattawan  
Vorhees, Harold G. .... Dowagiac  
Wagner, Mabel F. .... Buchanan  
Waldron, Luther G. .... Big Rapids  
Walker, Cecil C. .... Walkerville  
Wallis, Merle M. .... Benton Harbor  
Walsh, Bess .... Dowagiac  
Walter, Marion .... Grand Rapids  
Walters, Herald E. .... Sturgis  
Ward, Omar A. .... Hastings  
Warn, Lucille .... Kalamazoo  
Warner, Alice B. .... Traverse City  
Waterman, Lois .... Grand Rapids  
Waterman, Reed A. .... Athens  
Wattles, Randall Charles .... Sherwood  
Weber, Bernard P. .... Iron Mountain  
Webster, Avis .... Vicksburg  
Weirick, Edward B. .... Bloomingdale  
Wells, Leta F. .... Berlin  
Wells, Violette M. .... Vermontville  
Welsh, Sara .... Kalamazoo  
Wesler, Charles E. .... Kendall  
Westgate, Lawrence .... Kalamazoo  
Westgate, Grant .... Kalamazoo  
Wetzel, Helen F. .... Grand Rapids  
Wheeler, Emma C. .... Kalamazoo  
Whipple, Holdridge B. .... Kalamazoo  
Whipple, Virginia .... Benton Harbor
White, Lawrence R...St. Joseph
Whitman, Louise.....Coldwater
Wiedemann, George....Owosso
Wilcox, Herman L...Muskegon
Wiles, Raymond...Muncie, Ind.
Williams, Claude R.......Grant
Williams, Gladys.....Marshall
Wills, Russell R..........Norway
Wolbrink, Francis.......Allendale
Wolbrink, Irving.......Ganges
Wolfe, Ernest.......Battle Creek
Wood, Harry L.......Watervliet
Wood, John J.......Watervliet
Woodbury, George B.......Grand Haven
Woods, Mary.........Cassopolis
Woolpert, Laura.......Hesperia
Wright, Claude..Harbor Springs
Wright, Katherine.South Haven
Wright, Kathleen..........Harbor Springs

Yaple, Rollo.........Kalamazoo
Yeatter, Celia K........Colon
Yetter, R. D.........Eau Claire

RURAL

Abbott, Frances L.......Bangor
Anderson, Ruth.......Kalamazoo
Andrews, Hazel. Benton Harbor
Ayres, Marian.........Lacota

Balder, Reka.............Zeeland
Bent, Elsie.............Marcellus
Bower, Mrs. Lena Violet....Buckley
Bradley, Marion M...Saugatuck
Buehrer, Flora..........Leland

De Vos, Siena............Rothbury
Drach, Clara...........Coloma
Duryea, Ilia.............Hillsdale

Gorsline, Helene L...Battle Creek
Gould, Bessie A..........Lacota

Hepworth, Beulah V...Marcellus
Hess, Elsie.............Kibbie
Hill, Sarah.........Kalamazoo
Hine, Ora M...........Shultz
Hughes, Helen A.........Delton
Huston, Meryl.......Three Oaks

Louscher, Loverne A...Lawrence
Louwsma, Henry.......Zeeland
Lowing, Lilah.........Jenison
Lubke, Anna C........Fremont

Mattord, Harry W.......Nadeau
Miller, Phoebe E.......Marshall
Mosher, Lesa Mae.......Albion
Mulvany, Mildred M....Bellevue
O'Beirne, Grace G.......Muir

Pike, L'Jean..........Shelbyville
Pike, Margie.........Shelbyville
Porritt, Myra..........Alto

Retoska, Helen M.....Big Rapids
Reynolds, Mrs. Martia.Charlotte
Roe, Flossie M.......South Haven

Seas, Lena.............Mendon
Setter, Doris.........Miner Lake
Smith, Myrtle.......Bristol, Ind.

Ten Cate, Alyce.......Kalamazoo
# UNCLASSIFIED

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# SUMMER TERM, 1918

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*Deceased.*
Arink, Harold ........ Hamilton
Arnold, Jessie M. ....... Sullivan
Ashbrook, Jennie M. ..... South Haven
Atkins, Zelma H. ....... Dutton
Austin, Cora Bell........ Paw Paw
Austin, Luella......... Grand Rapids
Averill, Norma ......... Ada
Ayres, Marian .......... Lacota

Babbitt, Mary A. ...... Freeport
Bagg, Anna Helen .... Kalamazoo
Baker, Bessie ........... Oshtemo
Balch, Mrs. Royal .... Kalamazoo
Balder, Reka .............. Zeeland
Baldwin, Wright ......... Sturgis
Barber, Maud M ....... Mason
Barber, Susan .......... Cressy
Barney, Wayne F .... Kalamazoo
Barnum, Louise .... Hillsdale
Barnum, Mrs. Mary H. ... Galesburg
Barrett, Frances ......... New London, Ohio
Bartig, Marguerite .. Vermontville
Bartshe, Clara Julia .... Vicksburg
Bauhahn, E. Irene ...... Holland
Bauhahn, Ruth E ....... Holland
Bauerman, Hilda Irene .... Three Rivers

Beach, Lillia .......... Kalamazoo
Beall, Mamie .............. Baroda
Beaton, Helen H ........ Marshall
Beckwith, Bessie B ...... Clio
Beckwith, Clara .......... Cassopolis
Beckwith, Ruth .......... Bradley
Beery, Belle ............. Allegan
Bell, Franklin ......... Reading
Bell, Leah E ........... Union City
Bellinger, Frances ...... Plainwell
Benedict, Alma .......... Cassopolis
Benson, Ella ........... Elberta
Benson, Helen .......... Muskegon
Bent, Gleeola .......... Marcellus
Benton, Zella P ...... Kalamazoo
Bergen, Mrs. Winifred ... Kalamazoo

Betzing, A. Kezia ....... Calumet
Biery, Merle .............. Camden
Bigelow, Hazel .......... Reading
Billings, Helene M ...... Fennville
Bingham, Belle .......... Coldwater
Bingley, Russell W ...... Homer
Binns, Annabelle ...... West Olive
Bird, Martha E ......... Battle Creek
Buist, Martha ......... Grand Rapids
Blackman, Mary E ...... Watervliet
Blackney, Mabel .......... Clio
Blowers, Geraldine ...... Kalamazoo
Bole, Mae S ......... Three Rivers
Bonner, Lillian ....... Coopersville
Booey, Bernice G. Eaton Rapids
Boonstra, Elizabeth .... Zeeland
Bosch, Rose ........... Grand Rapids
Bowman, Jeanette ...... Bradley
Bowen, Isola R ....... Kalamazoo
Bower, Lena ........... Buckley
Bowler, Kathleen ....... Lowell
Boyce, Beatrice ....... Kalamazoo
Boyd, Marion C ....... Battle Creek
Boyd, Marion O ....... Comstock
Boyden, Veronica .... Montague
Boyle, C. Beatrice ...... Buchanan
Bracket, Kathryn ....... Benton Harbor

Bradley, Veryl ......... Dowagiac
Bradshaw, Merle .... Hillsdale
Brake, Beulah .......... Bradley
Branyan, Sumner Henry .. Grant
Bresnahan, Marie ....... Ada
Briggs, Elda G ........ Memoninee
Briggs, Laura B ....... Sparta
Bristol, Edith .......... Sparta
Broceus, Mildred ...... Buchanan
Brodbeck, Lois E ...... Three Oaks
Brooks, Barbara ....... Lansing
Brough, Ada ............ Fruitport
Brough, Gladys ......... Fruitport
Brougham, Ruth .............. Grand Rapids
Brouwer, Eleanor R........... Grand Haven
Brown, Mabel.................. Doster
Brownell, Edna............... Belding
Bruischat, Florence......... Holland
Brummel, Hattie.............. Hudsonville
Buck, Mrs. Maurice M........ Coopersville
Buckhout, Mrs. H............. Alamo
Buckingham, Bessie ....... Ludington
Bullis, Agnes M............. Indian River
Bullock, Iris E.............. Muskegon Heights
Burch, Thelma G............. Hastings
Burke, Verna................ Plainwell
Burke, Adah L................. Plainwell
Burkitt, Myrtle............... Hartford
Burns, Frances............... Niles
Burnside, Lillian........... Bronson
Butala, Cecelia.............. Calumet
Buter, Minnie................. Zeeland
Butt, Mary.................... Bellaire
Button, Florence E........ Kalamazoo
Buttrick, Florence.......... Ada

Cain, Aileen................ Kalamazoo
Calhoun, Marre.............. Bronson
Calkins, Florence........... Mosherville
Calkins, Louise............. Wayland
Carlson, Albert L........... Kent City
Carlson, Mabel.............. Kent City
Carrier, Norma.............. Benton Harbor
Carroll, Lucille............. Kalamazoo
Carroll, Mary................ Ludington
Carter, Grace P.............. Lake Odessa
Carver, Alta K.............. Marshall
Carver, Marguerite.......... Olivet
Castle, Eunice M.......... Grand Haven
Cathcart, Olive E........... Kalamazoo
Cavanagh, Harriet......... McBain
Cavanagh, Laura........... Grand Rapids
Chamberlain, Myrtle....... Wayland
Chapelle, Ernest H........ Richland

Chappell, Hattie............ Alamo
Charlton, Maudie............ Hastings
Châtelain, Ross............. Kalamazoo
Claire, Gladys C........... Edwardsburg
Clark, Edith E.............. Penfield
Clark, La Fern............... Otsego
Clark, Maude............... Albion
Clarke, Mary............... St. Joseph
Clemence, Violet........... Delton
Clymer, Gertude M........... Niles
Cochran, Cornelia E........ Kalamazoo
Cole, Edna............... Kalamazoo
Cole, Elizabeth...... Grand Rapids
Cole, Lena R............... Bailey
Conklin, Eniz E.............. Ravenna
Conklin, Lucille........... Chicago, Ill.
Connable, Josephine........ Kalamazoo
Connell, Henry M....... Traverse City
Conway, Pauline E........ Decatur
Couyumdjopoulos, Achilles... Kalamazoo
Cook, Dorotha.............. Coldwater
Cooper, Velma H........... Spring Lake
Corey, Cecil M.............. Kalamazoo
Cornell, Hazel............. Alba
Cornell, Florence.......... Ionia
Correll, Coral............. Athens
Corson, Ruth............ Bronson
Costello, Laura........... Tustin
Cox, Mrs. Lois........... Delton
Crame, Ethel............... Morley
Cramer, Ruth............... Fulton
Crane, Hal David........... Decatur
Crane, Mrs. M. E......... Muskegon
Crews, Thelma.............. Kalamazoo
Cromb, Clara............ Dowagiac
Croninger, Rhoda........ Grand Rapids
Cronk, Esther.............. Hastings
Crose, M. Gladys........... Kalamazoo
Crose, Mildred............ Kalamazoo
Crowley, Cornelia.......... Niles
Curtis, Adah L........... Hudsonville
Curtiss, La Vinnie....... Kent City
Daniels, Harriet E. .......... Grand Rapids
Da Silva, Mrs. Verna. . .Muskegon
Davenport, Leilha. . .Birmingham
David, Elizabeth B. ....Alhambra
Davidson, Nina A. ....Fenton
Davis, Elsie Marie. ....Marshall
Davis, Enid M. .......... Mears
Davis, Nettie. ........... Albion
Dear, Bessie M. .......Ironwood
De Clarke, Marjorie. . ....Grand Rapids
De Groot, John. .......Fremont
De Haan, Anna. .......Zeeland
De Jongh, Gladys. ....Burnips
Deller, Mayme E. ....Nashville
De Merell, Dorothy ....Fulton
Dennison, Emma I. .........Grand Rapids
Den Adel, Wilma. ....Kalamazoo
Devine, Sophia. ......Caledonia
Dewey, Cornelia. ....Kalamazoo
Dewey, Harriet. ....Kalamazoo
De Witt, Cora. ....Holland
De Witt, Gertrude. ......Holland
Dietz, Myrtle Ruth. ...Muskegon
Difenderfer, Helen. . . .Three Rivers
Dixon, Mrs. Lillian. ..Kalamazoo
Dobson, Isabel. ........Breedsville
Dobson, Ruth. .......Breedsville
Dogger, Marie. ....Holland
Doll, Anna M. ....Three Rivers
Doll, Lena. .......Three Rivers
Donahoe, Verna. ....Dowagiac
Donovan, Mary E. ....Lawrence
Doolittle, Clara. .....Tekonsha
Dopp, Rex. .........Lawrence
Doty, Florence. ....Grand Rapids
Doty, Mary. ..........Athens
Double, Mabel. ....Camden
Douglas, Katherine. ..Kalamazoo
Dow, Carl Smith. ....Hillsdale
Drach, Clara. .........Coloma
Draper, A. Eleanor. . .Muskegon
Drescher, Mildred. . .West Olive
Drummond, Neva. ....Kalamazoo
Dunkelberger, Maude. ....Grand Junction
Dunlap, Cora S. .......Alma
Dunn, Winnifred M. ....Three Rivers
Durham, Louisa. ....Battle Creek
Dutton, Alberta. ....Alpena
Eadie, Stella G. .......Ravenna
Eagle, Mary. ........Sturgis
Easterbrook, Iris. ......Vicksburg
Ebensfeld, Juliana. ......Bangor
Eberly, E. G. ......Hudson
Eckert, Pearl H. ....Grand Rapids
Edgar, Esther. .......Grand Rapids
Edgar, Mildred. .......Grand Rapids
Edwards, Mrs. Emma. ..Kalamazoo
Eisenlohr, Gertha H. ......Hart
Eldred, L. Atha. ........Bellevue
Eldridge, Ambra. ....Fulton
Elferdink, Henrietta. . .Holland
Ellen, Cornelia. .......Grand Rapids
Ellen, Martha C. .......Zeeland
Eller, Althea. ..........Cassopolis
Elliot, Thelma C. . .South Haven
Ellis, Dorothy. .........Alto
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Cedar Springs

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*Deceased.
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Gretzinger, Delia......New Richmond

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Gray, Marjorie........Jackson
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Hackett, Florence.....Dowagiac
Hagerman, Vera J......Reading
Hagley, Ethel M........Galien
Haines, Dasie O....Kalamazoo
Hall, Mabelle...Grand Rapids
Hall, Marvin O.......East Leroy
Hallam, Mae B.........Mendon
Hamilton, Beatrice L...Decatur
Hamilton, Ethelyn L......Kalamazoo

Hamilton, Hazel.........Mendon
Hamilton, Laura E.......Nashville
Hamilton, Margaret G....Niles
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Hancock, Cliveous J....Union City
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Hansen, Clara.........Montague
Hardick, Helen A........Cadillac
Hardy, Lela.............Cedar Springs
Harley, Willow M........Bronson
Harman, Hilda...........Sherwood
Harrigan, Alice J........Kalamazoo
Harriss, Clarence M......Muskegon
Harvey, Alice..........Kalamazoo
Harvey, Beatrice........Muskegon
Hathaway, Harold......Paw Paw

Hayner, Marie.........Frontier
Heaton, Genevieve.....Kalamazoo
Heinen, Marguerite.....Fennville
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Heiser, Leora M.......Pittsford
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Henderson, Hazel......Kalamazoo
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Henspeter, Mrs. Ruth....Benton Harbor

Hepworth, Beulah V..Marcellus
Herzog, Cathrine......Watervliet
Hess, Frances J.......Lawrence
Heysett, Jeannette G...Ludington
Hiatt, Florence E.....Detroit
Hicks, Hazel...........Gobleville
Higbee, Eva H.........Ionia
Hildebrand, Hilda...New Buffalo
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Lefevre, C. Anthony...Pontiac
Lepper, Bernice......Augusta
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Lidell, Lulu...........Big Rapids
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Linder, Virginia Lee....

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Lundstrum, Elizabeth....

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McClatchie, Minnie A....

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O’Brien, Lida E......Mancelona
O’Harrow, Letha........Lowell
Olney, Edith L.....Tekonsha
Olman, Hildred...Grand Rapids
O’Neil, Mildred......Litchfield
Osborn, Edith........Hudson
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Osgerby, Lela E.....Vassar
Ott, Lucinda...........Norvell
Outwater, Pearl.....Kalamazoo
Overhiser, Grace A....Hopkins
Overholt, Clyde W......Ada

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Paris, Vera...........Scotts
Parker, Bernice M....Fremont
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Payne, Arue..........Decatur
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Peer, Vivian E.......Kalamazoo
Pell, Ola.............Tekonsha
Perkey, Helen......Eaton Rapids
Perkins, Frances......Allegan
Perkins, Mrs. Violet E......Kalamazoo

Perrin, Verla M..Grand Junction
Perry, Bernice.....Coldwater
Perry, Marjorie E...Kalamazoo
Peters, Ethel........Kalamazoo
Peterson, Thelma.....Lakeview
Petertyl, Esther....Traverse City
Pettigrove, Fleecie......Hart
Phillips, Agnes R.....Buchanan
Phillips, George A...Cassopolis
Phillips, Ora Louise...Calumet
Pickard, Vera......Kalamazoo

Pickitt, Mrs. Wilma...Pullman
Pierce, Fannie L.....Kalamazoo
Pike, Frances..........Bangor
Pinckney, Charlotte...Kalamazoo
Pitcher, Corienne...Sister Lakes
Plasman, Fannie......Holland
Plasterer, G. R...LaGrange, Ind.
Platt, Helen.....Benton Harbor
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Plogsterd, Esther....Hopkins
Plogsterd, Lydia R...Hopkins
Plough, John H........Kalamazoo
Popaskey, Lorraine.......

Grand Rapids

Porter, Ellen L.......Ludington
Post, Frances........Ross
Potter, Maude.........Flint
Powers, Frances......Spring Lake
Powers, Harry H......Hillsdale
Pratt, Mrs. Elsie C.....

Battle Creek

Pratt, Florence J...Grand Rapids
Pratt, Wilma A...Grand Rapids
Presley, Alice C.....Dutton
Preston, Marie A.....Eau Claire
Price, C. A.........Kalamazoo
Price, Mrs. C. A.........Kalamazoo
Price, Dorothy.......Union City
Pritchard, Ferne......Tekonsha
Pulver, Marie C....Sherwood
Purdy, Lavon.........Vandalia
Purdy, Velma..........Hart
Putnam, Ilia L.......Litchfield

Quatermas, H. Agnes...Conklin
Quillian, Esther.......Lowell
Quintal, Mary........Kalamazoo

Rabe, Edna V..........Montague
Raudman, Verna Mae....

Constantine

Ray, Ellen M........New Era
Ray, Helen..........Clyde, Ohio
Rea, Leona.........Kalamazoo
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Straehly, Marjorie..........Bronson
Strandt, Eva.................Allegan
Streeter, Doris E...........Marcellus
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Swartout, Adah.............Niles
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Taylor, Mrs. Eetta A........Three Oaks
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Van Kersen, Winona........ Muskegon
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Van Lopik, Chester........ Zeeland
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Van Wert, Gladys........... Mosherville
Van Wicklin, Edith....... Grand Rapids
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Weirich, Doris............ Hart
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Wells, Violetta............ Vermontville
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Wenger, Ida M.............Caledonia
Wentz, Kenzie M...........Battle Creek
Werkman, Effie............Zeeland
West, Rena.............Cedar Springs
Wheatley, Elsie...........Pueblo, Colo.
Wheeler, Mary.............Shelby
Whipple, Virginia..........Benton Harbor
White, Ella..............Paw Paw
Whitman, Ada E............Holland
Wick, Cordelia............Dowagiac
Wicks, Mary F.............Kalamazoo
Wiersma, Gerrit...........Byron Center
Wilber, Bertha J..........Athens
Wilber, Ethel M...........Athens
Wilcox, Melva M...........Leonidas
Wilde, Dorothy A...........Wayland
Will, Ilah.................Mendon
Williams, Mrs. Anna.....Girard
Williams, Claude R........Grant
Williams, Florence........Kalamazoo
Williams, Helen...........Kalamazoo
Williams, Mabel M.........Niles
Williams, Marie..........Alpine
Willis, G. Bertha..........Thompsonville
Wilson, Minnie M..........Vandalia
Winey, Wilma.............Kalamazoo
Winslow, Florence..........Kalamazoo
Wolfstyn, Geraldine.......Port Huron
Woodard, Anna C...........Hillsdale
Woodford, Emma E........Big Rapids
Woodrick, Leota Mae......Casnovia
Woolsey, Florence.........Kalamazoo
Wright, A. Lucene..........Nashville
Wright, Eva Leona.........Berlin
Wright, Lelia.............Manistique
Yetter, Mildred...........Marcellus
Yeiter, Audie.............Lowell
Zandstra, Helen M..........Grand Rapids
Zehner, Alex..............Stevensville
Zeitsch, Mabel M..........Douglas
Zierle, Doris.............Three Rivers

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Abbott, Frances L........Bangor
Ackley, Florence..........Kalamazoo
Agar, John F.............Kalamazoo
Aldrich, Fanny...........Alamo
Andrews, Hazel...........Benton Harbor
Armstrong, Gladys........Kalamazoo
Ayres, Marian.............Lacota
Baker, Lavina............Kalamazoo
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Total Enrollment Regular School Year ....................................... 1121

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Names appearing twice .................................................. 93

Total number of different students ..................................... 2039
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