1926

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THE FACULTY

1926 Summer Session

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Ray C. Pellett, A.M., Dean of Men
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Amelia Biscomb, A.B., English
Harold Blair, A.M., Mathematics
Louise Boswell, B.S., Geography
Mary Bottje, Physical Education
Ralph Boyd, A.B., Speech
James Boynton, A.B., Chemistry
Leota Combs Britton, Music
Agnes Broemel, A.B., Art
Ernest Burnham, Ph.D., Director of Rural Education
Smith Burnham, A.M., History
Bernadine Cain, B.S., Home Economics
W. H. Cain, A.B., Mathematics
Minnie Campbell, B.S., Early Elementary
F. W. Cartland, B.S., Physics
Isabel Crane, Physical Education
Ada Kline Clark, A.B., Commerce
Melvia Danielson, Music
Arthur Delamarter, M.S., Biology
Edith Eicher, A.B., English
R. J. Eldridge, M.S., Chemistry
M. M. Ellis, A.M., Education
John P. Everett, A.M., Mathematics
Verna Fenstermacher, Art
Louis Foley, A.M., English
Pearl L. Ford, A.B., Mathematics
Gerald Fox, A.M., Physics
Anna French, Library Methods
Lorena Gary, A.B., English
Henry N. Goddard, Ph.D., Biology
Mildred Gould, A.B., English
Elmer Griffith, Ph.D., Economics
William Halnon, Ph.D., Education and Psychology
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H. Glenn Henderson, Music
Mary Henderson, A.B., English
George H. Hilliard, Ph.D., Education and Psychology
Judson Hyames, A.B., Physical Education
Ina Kelley, A.B., Education
Leslie A. Kenoyer, Ph.D., Biology
Eunice Kraft, B.S., Latin
Carroll P. Lahman, A.B., Speech
W. G. Marburger, M.S., Physics
J. M. Martineau, A.B., Physical Education
Harper C. Maybee, Music
Edith E. Mullen, B.S., Physical Education
Katherine M. Mulry, B.S., History
Charles S. Nichols, A.B., Manual Arts
Lucille Nobbs, A.M., English
E. C. Palmer, M.S., Manual Arts
E. D. Pennell, Commerce
Effie B. Phillips, A.M., Early Elementary
Orrin E. Powell, A.M., Education
Herbert W. Read, A.B., Physical Education
W. J. Rhynsburger, A.B., History
Jessie M. Roberts, A.M., Art
Ethel Hale Russell, A.M., Supervisor
Robert R. Russell, Ph.D., History
Paul V. Sangren, A.M., Education and Psychology
Ruth V. Schumacher, B.S., Home Economics
Nancy E. Scott, Ph.D., History
D. C. Shilling, A.M., Political Science
Ethel Shimmel, Penmanship
Lydia Siedschlag, Art
Cleora A. Skinner, Rural Education
Herbert Slusser, A.M., English
Dorothea Sage Snyder, Music
Marion A. Spalding, Physical Education
Celia Sprague, Commerce
George Sprau, A.M., English
Roxana Steele, A.M., Education
Elaine L. Stevenson, Art
Albertine Stenson, B.S., Home Economics
Belle Strunk, B.S., Geography
Frances Swain, A.B., English
George Tabraham, Manual Arts
Marion Tamin, Ph.B., French
Thelma Hootman Tawney, B.M., Music
Walter Terpenning, Ph.D., Sociology
Oscar Trumble, A.M., History
David Van Buskirk, A.M., Education
Kate Vick, Ph.B., Supervisor
Elmer C. Weaver, Manual Arts
Elmer H. Wilds, A.M., Education
Myrtle Windsor, A.B., Spanish
Merrill Wiseman, A.B., Biology
Elisabeth Zimmerman, A.M., German

LIBRARY

Anna L. French
Mrs. Mary Agnes Harvey
Florence Fowler
Phoebe Lumaree

CLERICAL

Myrtle Allinson, Main Office
Blanche Draper, Editor, Western Normal Herald
V. Helen Haight, Office of Dean of Women
Bernice Hesselink, Main Office
Edna Hirsch, Records Office
Lloyd Jesson, Main Office
Cornelius MacDonald, Receiving Clerk
Ardell Olds, Records Office
Lucille Sanders, Rural Education Office
Alice Smith, Appointment Office
Leah Smith, Extension Secretary
Gretchen Switzer, Appointment Secretary
STANDING COMMITTEES, SUMMER SESSION, 1926

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

Appointment Committee—Ellsworth, Davis, Hoekje, E Burnham.

Athletic Board—Faculty Representative—Shilling

Course Advisors—
   A. General—Ellsworth, S. Burnham
   B. Departmental—
      A. B. Degree—Sprau, Slusser
      B. S. Degree—Everett and departmental advisors
      Art—Stevenson, Roberts
      Commerce—Pennell, Clark
      Early Elementary—Campbell, Phillips
      Home Economics—Schumacher, Cain
      Junior High School—Scott, Wilds
      Later Elementary—Strunk, Mulry
      Library—French
      Limited—Burnham, Skinner
      Manual Arts—Tabraham, Nichols
      Music—Maybee, Henderson
      Normal High School—Cain, H. S. Office
      Physical Education for Men—Read, Hyames
      Physical Education for Women—Crane, Spalding
      Rural Education—Burnham, Skinner
      Senior High School—Zimmerman, Hilliard
      Unclassified—Bartoo, Ford

Extra Studies—Blair, Davis

Health—Dr. Smith, Davis, Cone, Bell, Hoekje

Scholarship—Hoekje, Davis, Hilliard

Social Life—Davis, Foley, Steele, Slusser, Mullen, Campbell, Tabraham

Excursions and Group Recreation—Heathcote, Mullen, Hyames.

Y. M. C. A.—Terpenning, Delamarter

Y. W. C. A.—Scott, Siedschlag
THE TWENTY-THIRD
SUMMER SESSION
OF THE
Western State Normal School

The twenty-third annual Summer Session of the Western State Normal school will open June 28, 1926, and continue six weeks, closing August 6. Students will be enrolled and classified on Monday, June 28; classes in all departments will begin recitations on Tuesday, June 29. Nearly all of the regular instructors of the Normal School will remain in residence during the Summer Session. They will be assisted by a number of outside teachers selected for their efficiency in special lines of work.

LOCATION

The Western State Normal School is located at Kalamazoo, the county seat of Kalamazoo County, in the heart of southwestern Michigan. Kalamazoo, with a population of 50,000, is a city rich in industries, beautiful and healthful as a place of residence. The Normal School is in the residence section on a hill affording a most magnificent panoramic view of the city and surrounding country.

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

PURPOSE OF SCHOOL

The purpose of the Western State Normal School, as stated in the act establishing it, is to prepare teachers for the public schools. When this purpose, held in common by all the teacher training institutions of the state, is fully realized, every child in Michigan will be taught by a teacher of vigorous health, high
mentality, broad and thorough scholarship, high professional spirit, genuine skill in the art of teaching, culture in the amenities of life, winning personality, and sound character.

By every means in its power this school seeks to attract young men and young women in whom these high qualities are potential. By careful attention to the formation of those habits which make for good health; by the development of sound bodies through physical education; by courses of study which introduce students to the best in thought and life and at the same time give a thorough knowledge of the various branches of study as possible in the time devoted to the work; by teaching which develops right habits of study, and appreciation of scholarship, and an understanding of the principles underlying the teaching process; by providing ample opportunity for prospective teachers to become acquainted with children and to observe and practice teaching in its varied systems of schools; by developing initiative, self-reliance, and community spirit by voluntary participation along the line of the student's taste or interest in a wide range of extra-curricular activities; by encouraging in every way a sane, wholesome social life; in all these ways this school aims to develop in its students the essential qualities of the teacher, and, as a consequence, to do its part in giving the State of Michigan a body of teachers thoroughly trained for every phase of their work. In a word the Western State Normal School is progressive in educational policy and practice. It fosters a wholesome spirit of democracy.

By every means at its command it seeks to keep constantly before its teachers and students that character and service are the highest aims of education and the noblest ideals of life.

BUILDINGS

1. Administration Building. This structure contains in addition to the administration offices, fourteen classrooms, the high school assembly room, and the Girls' club room. The Normal Cooperative 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. The Teaching Laboratory. Training School facilities: One of the most complete systems of Training Schools in the United States affords students a teaching laboratory with facilities for practice teaching of all types of grades, special-subject, and high school teaching. The training schools represent a range of such typical schools as students will meet in the actual field, from a one-room rural school, consolidated and township unit schools, a large village school, to city graded schools and high schools.

These consist of the Normal Training School and the Normal High School on the campus, the Portage Center Consolidated
SUMMER SESSION, 1926

School, the Richland Township Unit School, the Hurd One-Teacher School, and the Paw Paw Large Village School.

Note. For the summer session the Campus Training School only will be open forenoons, daily, from 8:00-11:00, for observation and a limited amount of practice teaching.

Pupil enrollment is by application. Children of students attending the summer session are among those accepted. The work is of such a character as to furnish profitable experience for the children rather than the making up of work.

3. Women's Gymnasium. The main floor is 119 feet long and 68 feet wide, entirely clear of posts or obstructions of every kind. The running track, 9½ feet wide, is suspended from the structural steel supporting the roof of the building. In the basement are lockers, shower baths, and a swimming pool 52 feet long. All classes in public school gymnastics will meet in this building.

4. Science Building. The Science building is 148 feet long and 78 feet wide. 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 class rooms and laboratories for the departments of Physics and Chemistry. The building and its splendid equipment greatly increase the efficiency of the several departments of science.

5. Manual Arts. The new Manual Arts building is beautifully located adjoining the athletic field and facing the point of land formed by the intersection of Michigan Avenue and Oakland Drive. It is a fireproof structure of modern factory type with very high ceilings and plenty of light. The rooms are all especially designed to serve the various classes in the most effective manner.

6. Barracks—Classrooms. Recently the building used as a Barracks during the S. A. T. C. days was transformed into class rooms which are very serviceable. Adequate lighting and ventilating arrangements were taken care of. The equipment is new throughout. The building houses the print shop of the Manual Arts department, the Early Elementary Department, the Household Arts Department, the Art Department, in addition to three large class rooms.

7. Library Building. The library building is located at the north end of the hill, overlooking the wide valleys to the east, north, and west. A broad brick terrace leads to the doorway, which is a copy of an old Italian entrance.

The lobby has a charging desk and catalogue alcove at the right, with the stack room directly back of it, occupying the southeast corner of the building. This stack room contains four decks of steel stacks, with a capacity of about sixty thousand books, and is equipped with an electric book-lift. To the left of the lobby are staff rooms and a faculty reading room.
The main reading room is equipped with wide reading tables and will accommodate about three hundred readers. The reference desk faces the fireplace and the periodical desk is at the east end, with easy access to the stacks. The walls are shelved with bound periodicals and reserve collections.

The first floor provides a large study room for those not using library books, a check-room, and two class rooms. The third floor is given up to recitation rooms and a lobby for display purposes.

8. Men’s Gymnasium. All indoor athletic activities of the institution are now amply housed in the new gymnasium for men, erected in 1925, and which takes rank as being the largest normal school gymnasium in the country. Its size and equipment make possible adequate training of varsity basket ball and indoor track teams, the preparation of physical directors and athletic coaches and the carrying out of an intramural program of physical education and competitive sports during the winter term. There is a regulation basket ball floor, with three cross courts for intramural purposes, a fourteen lap running track, a vaulting and jumping pit on the main floor, and adequate equipment for calisthenic and apparatus work. Between 3,500 and 4,000 people may be seated around the varsity court during the big games of the season. Ample locker rooms take care of the needs of all the students, with special varsity and visiting team locker rooms and a separate locker space for Normal High School students. There are two handball courts and a dirt floor area for the training of hurdlers, shot putters, and vaulters and the early work of the baseball battery men. Exercise rooms, wrestling and boxing rooms and the main offices and lecture rooms complete this modern gymnasium.

9. Athletic Field. The fine athletic field with its gridiron, baseball diamond and quarter-mile cinder running track with the 220 yard straight-a-way provide an excellent opportunity for varsity athletics. Intramural sports are taken care of on the practice fields. The tennis courts are open for students during the summer session.

THE LIBRARY

The library numbers twenty-seven thousand volumes. All books have been selected with great care to avoid excessive duplication and to represent adequately all departments of the school. The books have also been chosen to provide generous opportunity and encouragement for general reading. Two hundred and forty-five periodicals and newspapers are subscribed for and forty-three complete files of periodicals are available.

The use of the Kalamazoo Public Library, with a collection of fifty-five thousand volumes, is generously offered to all students.
CREDIT

Credits applying on the A. B. and B. S. degrees and on certificate courses may be earned in any of the subjects regularly required. Eight Term Hours (twenty-four weeks—one-half of a full term's credit) is usually the maximum credit for any student during the Summer Session. Classes reciting one hour daily ordinarily earn two Term Hours, while those reciting two hours each day earn four Term Hours.

Courses which meet one hour a week for one term will be given One Term Hour credit.

Courses which meet two hours a week for one term will be given Two Term Hours credit.

Courses which meet three hours a week for one term will be given Three Term Hours credit.

Courses which meet four hours a week for one term will be given Four Term Hours credit.

Ninety-six Term Hours of credit is required for a Two-year Life Certificate and 192 Term Hours of credit is required for the A. B. degree.

Students who carry successfully two regular subjects which meet four times a week for the session will receive 8 Term Hours credit.

COUNTY NORMAL GRADUATES

Graduates from county normal schools are given eight units of credit toward a limited certificate and ten toward a life certificate, provided that said graduates shall have completed a four-year high school course preliminary to taking the county normal work. The remaining six units necessary for a limited certificate must be done in residence. Of the remaining fourteen necessary for a life certificate twelve must be done in residence. On the approval of the faculty the last two units required for either the limited or life certificate may be done by extension or by correspondence.

DEMAND FOR TEACHERS

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

The tuition fee is $3.00 for all students who reside in Michigan. For those living outside of Michigan the fee is $6.00. There is a fee of $3.25 for the support of athletics, The Herald, and other student activities.

BOARD AND ROOM

A list of good rooming and boarding houses for men can be obtained from the Dean of Men at his office, and for women, from the Dean of Women at her office. It is advisable for students to see the rooms before definitely engaging them.

There are convenient rooms in the vicinity of the school sufficient to house 2,000 students. The cost of room and board varies. The average cost of double rooms is from $2.00 to $3.00 per week per person. The average cost of single rooms is from $3.00 to $4.00 per week. The average cost of board is from $5.50 to $7.00 per week.

CAFETERIA

In 1910 a cafeteria was started in the basement of the Training School. About 1000 meals have been served daily the past year. The work necessary affords a considerable group of students a means of self-support. The cafeteria is run on a maintenance basis and is an economy in the living expenses of students.

HEALTH SERVICE

In the basement of the Science Building there is a well equipped Health Service Department which has charge of the required physical examinations of all entering students. Medical care and advice are given without charge. The Service seeks to protect the health of students by preventive as well as by curative medicine.

THE NORMAL CO-OPERATIVE STORE

The Normal Co-operative Store, which has been in operation during the past 14 years, will be open during the Summer Term, affording opportunity for students to purchase books and other necessary supplies at reasonable prices.
THE WESTERN NORMAL HERALD

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

WOMEN'S CLUB ROOM

The women of the school, partly through their own efforts, have had set aside and furnished for them an attractive club room in the Administration building. It provides a place for rest and for study at any time during the day.

SCHOOL FOR ATHLETIC COACHES

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

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

LECTURES

Lectures will be given each week in relation to outstanding interests of teachers. In connection with several of these discussions conference hours will be arranged in which students may meet the speakers for further consideration of the subjects.

Joy Elmer Morgan, editor of the Journal of the National Education Association, will lecture July 20 on County School Organization, and he will meet the County School Commissioners and others who may be interested. Other men and women who are leaders in national thought will be scheduled for lectures in the Summer Session.
General Peppino Garibaldi, who is undoubtedly one of the most interesting speakers from Europe to visit the United States, will lecture. He represents a great historical tradition, which has fought always for liberty and democracy. His personality and his perfect command of English insure a great lecture.

**SOCIAL LIFE**

Social life is encouraged in the Normal and every effort is put forth to further acquaintance among students and faculty. Student parties are arranged by the Social Committee for the enjoyment of the members of the Summer Session. General student parties are arranged for the following dates: Friday, July 2, and Friday, July 16.

**GROUP ACTIVITIES**

Every effort will be made by the social committee to provide general student parties of the same splendid character as those held in the regular year. The athletic recreation for men will be looked after by Judson Hyames, and the group games for women will be directed by Marion Spalding. Course advisors will be available for conference about all kinds of extra curricular activities, and county groups will be aided in carrying out reunions and picnics. Excursions to places within range of travel facilities and available time, which are of high educative value, will be directed by a special committee.

**SUPERVISION OF STUDENT LIFE**

The social and moral life of women students is under direct supervision of the Dean of Women. She wishes to be of real service to the young women in 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 on all topics concerning their general welfare.

**HOUSING REGULATIONS FOR WOMEN**

1. The school maintains an approved rooming house list on file in the office of the Dean of Women. Students must secure rooms in an approved rooming house before registration.

*Similar rules apply to men students. The Dean of Men should be consulted concerning board and room, etc.*
2. Women students may not room in houses where there are men lodgers, either single or married, without permission of the Dean of Women.

3. Students are expected to stay the full term in the room first engaged, changes being made only with the approval of the Dean of Women. If a student wishes to move at the end of the term, notice must be given to the landlady fourteen days before the day on which the term ends.

4. Room rent is payable in advance, with half deductions for Christmas and spring vacations.

5. Students are expected to take care of their rooms except for general cleaning as the landlady agrees to provide.

HOUSE RULES

1. Students should not arrange for recreation or callers the first four evenings of the week, school affairs being an exception. Students are expected to observe study hours on those nights.

2. A room on the first floor properly appointed for receiving men callers should be accessible to women students. Men callers may be received on Friday, Saturday, or Sunday evenings. Callers should leave by 10:00 o'clock. Women students who arrange for recreation on Friday or Saturday evenings should be in their rooms by 11:30 o'clock.

3. A student should not expect to entertain friends or relatives over night or for meals without making arrangements previously with the matron.

4. Cases of serious or contagious illness should be immediately reported to the Dean of Women.

SCHOOL CONVENTIONS

Women students shall attend only those social events which are given under the auspices of the Normal or such as are sanctioned by Normal authority.

Women students shall attend social events outside of school only with permission of the Dean of Women. Such events should be confined to Friday or Saturday evenings.

School parties shall begin promptly at 8:00 o'clock and close at 11:00 o'clock. A list of patrons and patronesses chosen by the department in charge of the party shall be published in the Herald of the week preceding the party.

Alumni are welcome to all parties. Alumni are granted permission to bring guests to general student parties, slips of permission being granted by the Dean of Women. These slips are to be handed in at the door.
Students in regular attendance are granted permission to bring guests to general student parties if occasion demands. All parties are considered very informal. All dancers shall avoid extreme dancing of any kind, and anything which appears in bad taste.

Student organizations planning meetings or social events shall consult the Dean of Women as to the time and place of meeting. The Registrar should be consulted concerning room assignments, table space in halls, etc.

THE Y. M. C. A. AND Y. W. C. A.

The Young Men's and Young Women's Christian Associations have become real factors in the spiritual and moral development of the young men and women, and in the promotion of social service among them. Summer Session students will find the Christian Associations organized for their service.

CHAUTAUQUA

For the thirteenth successive year the Redpath Chautauqua will be held on the Normal grounds during one week of the Summer Term. Programs will be given morning, afternoon, and evening. Prominent lecturers and musical organizations will appear, and the students will be offered attractions of the same high grade as in previous years. (Dates this year, July 22-29,—Sunday excepted).

COURSES OFFERED

The course offered in the Summer session are as follows.
1. A. B. and B. S. Degree.
2. Regular Certificate. (Life and Limited).

DEGREE COURSES

In 1918 a four year course leading to the degree of Bachelor of Arts was provided for the normal schools of the state. Western Normal has granted this degree to several hundred men and women who have met the requirements. In 1924 four year courses were provided in Manual Arts and Physical Education for Women leading to the degree of Bachelor of Science in Manual Arts or Physical Education. Many of the courses offered during the summer session carry credit toward these degrees. Consult the year book for details concerning these courses.
REGULAR CERTIFICATE COURSES

A large number of classes will be formed in the branches included in the regular certificate courses. Several of these classes in the Life Certificate and Limited Certificate groups will meet twice daily, thus enabling a student to cover the work of two twelve weeks' courses during the Summer Term. Classes will be formed in a wide variety of subjects in all departments of the school.

COUNTY CERTIFICATION

County Boards of School Examiners from September 1, 1925, may by the state certification law, which became operative on that date, grant county certificates as follows:

Third Grade. A person who completes one year of professional training is granted a third grade certificate by the county board of school examiners. No person may receive more than three third grade certificates.

Second Grade. A person who completes one and one-third years of professional training is granted a second grade certificate by the county board of school examiners.

First Grade. A person who completes one and two-thirds years of professional training is granted a first grade certificate by the county board of school examiners.

The specified subjects for the required one year of professional preparation and for all county certificates are offered in the summer session and throughout the year. Since these subjects may be applied toward the completion of State limited and life certificates, students will find it to their advantage to inform themselves about these State certificates.

COUNTY NORMAL AND HELPING TEACHERS

Subjects adapted to the needs of teachers, who are working during the year as principals and critics in county normal schools or as helping teachers in county supervision, are available in the summer session and every effort will be made to serve these teachers.

COUNTY COMMISSIONERS CONFERENCE

Commissioners of schools of the co-operating counties are invited to be at the Normal School on Monday and Tuesday of the first week of the term. They are asked to organize for any conferences which they may desire to hold during the term.
The commissioners are especially invited for Tuesday, July 20, to hear one of the special summer session lectures and to meet the State Superintendent of Public Instruction. Details of the day's program will be sent to each commissioner several weeks in advance.

NORMAL EXTENSION DEPARTMENT

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

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

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

(All Courses of Instruction are Indexed p. 54).

ART

102. Teachers’ Art. 4 term hours. Miss Stevenson, Miss Siedschlag, Miss Broemel, Miss Fenstermacher.

Teaches the student to direct art activities in elementary grades. Color design and lettering are followed by drawing in line and tone, memory and imaginative drawing taking precedence over representative.

103. Industrial Arts. 4 term hours. Miss Siedschlag.

Problems in handwork naturally evolving from a study of how the world provides itself with food, clothing, shelter and utensils and how it puts itself on record.

104. Lettering and Poster Making. 4 term hours. Miss Stevenson.

Special problems for grades; poster work to advertise high school activities. This course has been planned to be of special help to students other than Art or Art and Music students.

106. Household Arts Design. 4 term hours. Miss Broemel.

Costume design and illustration will occupy the first three weeks. Individual types, their needs, prevailing modes, creative costumes for pageants and plays will be studied and represented in line, wash, and color. Decorative design for costume will be planned and executed. The last three weeks will be devoted to house furnishing. Color, design, arrangement and selection of furnishings will be supplemented by collections of illustrative material and visits to decorators’ and furniture shops.


A series of problems with definite application.

321. Painting. 4 term hours. Miss Broemel.

Painting of still life, landscape and figure in oil or water color. Although attention is given to technique, the study of design, composition and color will be emphasized. The course is to develop appreciation.
20    WESTERN STATE NORMAL SCHOOL

BIOLOGY

102. Fundamentals of Biology. 4 term hours. Mr. Wiseman.

An introductory survey course designed to give a general idea of the basic principles of plant and animal life. Lecture-recitations, demonstrations and field trips.

103. General Science. 4 term hours. Mr. Wiseman.

Designed to provide training for those who expect to teach general science in junior or senior high school and to give in an introductory way a broad knowledge of science to those who do not have time for specialization. The problem or project method is largely employed. The common phenomena of everyday life both in the physical and in the living world will form the basis for the work.

302. Eugenics. 4 term hours. Prerequisite: Course 102 or equivalent. Dr. Kenoyer.

The principles of heredity as applied to man, the present trend of civilization, and means for the improvement of the race form the subject matter for this course. Population increase, temperance, the color problem, race suicide, immigration and warfare are considered in their eugenic bearing.

112. Hygiene. 4 term hours. Miss Bell.

Deals with the factors of personal and social hygiene with special emphasis upon the cause, prevention and control of disease. Only enough anatomy and physiology is developed to serve as an adequate basis for an understanding of the principles of hygiene.

113. Hygiene of the School Child. 2 term hours. Miss Bell.

A shorter course designed especially for teachers. Such problems are considered as malnutrition of the school child, factors influencing growth, physiological differences between children and adults, schoolroom ventilation, personal hygiene and prevention of contagious diseases. Hygienic and sanitary surveys are made.

221C. Field Botany. 4 term hours. Prerequisite: At least a term in elementary botany. Dr. Kenoyer.

Plants are considered mainly from the standpoints of their classification and their relation to their surroundings. The pupil learns to recognize the leading plants and trees of the region and to know where to find them. Saturday mornings
should be reserved for field excursions. Plants collected will be identified in the laboratory. To students who have had this course in the spring term such special work will be assigned as to permit of full additional credit.

522. Field Botany Excursion. 4 term hours. Prerequisite: A year of general biology or its equivalent and a term of field botany. To be given during the three weeks immediately following the summer session. Dr. Kenoyer.

The destination is Ithaca, New York, where the Fourth International Congress of Plant Sciences is to be in session August 16 to 23. This will be an unequalled opportunity to hear some of the world's leading botanists and to study under the guidance of the Cornell University staff the interesting region about Ithaca. Niagara Falls and other points of interest will be studied on the going and returning trip. Cost: $10 tuition, $5 membership fee for the Congress, and pro rata of travel and camp expenses, which will probably be $35 to $40 per student. Consult instructor regarding enrollment.

131. Biological Nature Study. 4 term hours. Dr. Goddard.

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 gardens. Field and laboratory work are devoted to identification and ecology of our common plant and animal forms, with especial stress on trees, birds, flowers and insects.

135. Bird Study. 4 term hours. Dr. Goddard.

This course considers the economic importance of birds, bird migration and bird laws. Trips in early morning and afternoon will develop the recognition of birds.

141. General Agriculture. 4 term hours. Mr. Delamarter.

For those who can take only one term of agriculture preparatory to teaching in a rural school. An understanding of the farmer and his task will be sought, curricular content and its arrangement will be considered, elementary agriculture texts will be evaluated, sources of illustrative and reference material will be presented and methods of teaching agriculture will be considered. Problems involving all phases of farm activity are presented for solution. A general knowledge of agriculture is thus acquired.
CHEMISTRY

102ABC. General College Chemistry. 12 term hours. Each term's work is offered. Mr. Eldridge, Mr. Boynton.

Six hours per week of class work; eight hours per week of laboratory work.

104. Introductory Chemistry. 4 term hours. Mr. Eldridge.

Class room six hours a week; laboratory work eight hours a week. A descriptive course including some history and classical achievements of chemists. The relation of chemistry to industry and to nature is made. NOTE: Course Chemistry 104 is an appreciative course in chemistry and should not be taken by students desiring the fundamental principles of General College Chemistry.

201AB. Qualitative Analysis. A. Basic Analysis. 4 term hours. Prerequisite: Chemistry 101ABC or 102ABC. Mr. Eldridge.

Two lectures (two hours each) per week and a minimum of 16 hours in the laboratory per week.

B. Acid Analysis. 4 term hours. Prerequisite: Chemistry 201A.

202A. Organic Chemistry. 4 term hours. Mr. Eldridge, Mr. Boynton.

Class room six hours per week; laboratory work eight hours per week. The aliphatic (fatty) series are studied; paraffins, alkyl halides, alcohols, aldehydes, ketones, sugars, amines and acids.

202B. Organic Chemistry. 4 term hours. Mr. Boynton.

Class room six hours per week; laboratory work eight hours per week. The aliphatic (open chain) and aromatic (closed chain) compounds are studied. NOTE: 202A is a prerequisite of course 202B except when the student may take both courses during the term.

303AB. Quantitative Analysis.
A. Gravimetric Methods. 5 term hours. Prerequisite: Chemistry 201 AB. Mr. Boynton.

B. Volumetric Methods. 4 term hours. Prerequisite: Chemistry 303A. Mr. Boynton.

Lectures are given once a week (two hours) and the remainder of the work is laboratory work. The lectures include
studies in precision and the propagation of errors, acidimetry and alkalimetry, theory of indicators, iodimetry, oxidation-reduction theory, solubility product principles and the principles of separation.

401A. Physical Chemistry. 5 term hours. Prerequisite: Chemistry 102ABC or equivalent, Physics 200ABC, and Mathematics 104, 104A, and 104B. Open to qualified juniors. Mr. Boynton.

Lectures and laboratory work. This course is particularly valuable for those who expect to teach physics and chemistry. The work includes a rigorous review of the fundamentals of chemistry, applications of physico-chemical theory, molecular weight determinations, viscosity, surface tension, polarimetric and spectroscopic measurements.

COMMERCE

102A. Shorthand and Typewriting. Elementary. 4 term hours. Mrs. Clark.

Training in the elementary theory of Gregg shorthand and the technique of typewriting. The first ten lessons in the Gregg Manual, supplemented by assignments from Speed Studies and Graded Readings, are covered in this course.

103. Elementary Accounting. 4 term hours. Mr. Pennell.

An elementary course to acquaint the student with accounting principles underlying the recording of business transactions and the analysis of these recorded facts. It includes principles of debit and credit as applied in double-entry bookkeeping; books of original and final entry; the preparation of simple balance sheets and profit and loss statements; the principles of closing the ledger; discussion of the simple phases of inventories, deferred and accrued items, bad and doubtful accounts, and depreciation. Designed as a foundation for advanced accounting courses.

204. Letter Writing. 4 term hours. Miss Sprague.

Designed to develop facility in various forms of letter writing for business use; to establish standards of judgment for form and expression by an analysis of the principles embodied in the best modern business letters; and to develop individuality of style.
205. Business Training and Secretarial Practice. 4 term hours. Prerequisite: Shorthand and Typewriting 102C. Mrs. Clark.

206. Problems in Secondary Commercial Education. 4 term hours. Mr. Pennell.

This course deals with some of the more important problems of commercial education in secondary schools. An analysis of modern business is made in an effort to ascertain what education for business should strive to do. An examination is made of secondary commercial curricula to determine whether or not the best interests of business and of the students are served. Certain modifications of existing curricula are considered and new subject matter examined. Some attention is given to the history and development of commercial education.

207. Teachers' Course in Bookkeeping. 4 term hours. Prerequisite: Elementary Accounting 103 or equivalent. Mrs. Clark.

A course designed to cover the accounting principles which are of most importance to teachers of bookkeeping in secondary schools. A consideration of the methods of approach in teaching; a discussion of the real object to be attained; conduct of laboratory work; explanation of difficult transactions; logical development of columnar books, controlling accounts, and special ledgers; the relation of accounting statements to general business; lectures on different systems of bookkeeping in use. The course will conclude with a general discussion of the philosophy of accounts.

208. Shorthand and Typewriting. 4 term hours. Prerequisite: Shorthand and Typewriting 102C or equivalent. Miss Sprague.

An advanced course for teachers: discussion of methods of teaching shorthand and typewriting in secondary schools, with special emphasis on the teaching of transcription; a review of current literature and texts.

302. Auditing. 4 term hours. Prerequisite: Accounting 201C or equivalent. Mr. Pennell.

An elementary study of the theory and technique underlying a simple audit. Analysis of the more important balance sheet, expense, and revenue accounts; examination of original data supporting the accounts; use of auditor's working papers, adjustments and adjusting journal entries. Many questions involving actual situations are introduced for class discussion and a working trial balance, financial exhibits, and the text of a simple report are prepared from a set of working papers.
EARLY ELEMENTARY EDUCATION

101A. Hygiene of Early Elementary School Child. 4 term hours. Mrs. Campbell.

An appreciation of child conservation is sought through a knowledge of the physical needs of the child and the method the school uses to provide and promote healthy living.


The nature and development of the mind of the young child is studied. Observation in Training School is required so that the student may become familiar with the natural mental characteristics, individual differences and problem cases of children from five to eight years of age.


The satisfaction of the child's physical and mental needs are found through the enriched curriculum. The student obtains a brief survey of the subject as well as some practice with the materials by means of which the child expresses himself.

201. Games and Rhythms. 2 term hours. Prerequisite: Early Childhood Education 101 A, B, C. Miss Allen.

A course dealing with the development of rhythm and play in young children. About one-half of the course consists of readings and discussions of the theory of teaching plays and games. The remainder of the time is given to floor work and practice in games and dancing.

202. Story Telling. 2 term hours. Prerequisite: Early Childhood Education 101 A, B, C. Miss Allen.

A study of the field of story telling for young children. Standards for telling the story and for the selection of good stories are established through criticism of stories told and readings in the field.

305. Nursery School Education. 4 term hours. Prerequisite: Early Childhood Education 101 A, B, C. Mrs. Campbell.

A brief survey will be made of the history of the movement, the organization of the work, a comparison of types of practice as well as experience with materials needed to satisfy the physical and mental needs of the child from 2 to 5 years.
Education

101. Principles of Teaching. 4 term hours. Prerequisite: Psychology 101. Miss Steele, Miss Kelley.

Includes such topics as the curriculum, moral and social training, discipline, type lessons, questioning, and lesson plans. Systematic observation of classes in the training school is made, and standards for judging classroom instruction are worked out.

201. Junior High School Education. 4 term hours. Mr. Heathcote.

A systematic survey of the field of Junior high school education. It comprises a brief study of the biological and psychological foundations upon which the junior high school is based, a survey of the origin, development and present status of the junior high school movement, and an intensive study of the organization of courses of study, including a detailed consideration of the content of each of the various subjects of study and the points of view to be emphasized in their treatment.

206. Educational Measurements. 4 term hours. Prerequisite: Principles of Teaching 101. Mr. Ellis.

A beginning course in educational tests and measurements. Includes such features as elementary statistical methods, essentials of test and scale construction, standardized tests and scales in school subjects, diagnosis and treatment of special difficulties, informal tests, surveys. There will be some opportunity for practice in giving and scoring tests and in the interpretation of results.

220. Extra Curricular Activities. 4 term hours. Prerequisite: Psychology 102, Principles of Teaching 101. Mr. Wilds.

A study of the organization and supervision of the extra-curricular program in elementary and secondary schools. Consideration is given to such topics as the justification of extra-curricular activities, extra-curricular evils, typical experiments in organization and administration, relation of extra-curricular program to the curriculum, centralization and unification, faculty participation, student participation, and student government, point systems, systems of school credit and honor awards, financing the extra-curricular program.

225. Public Education in the United States. 4 term hours. Prerequisite: Principles of Teaching 101. Mr. Wilds.

A survey of the origin and development of the American educational system. The influence of social, religious, economic,
and political conditions upon which education is considered. The various types of educational institutions are taken up, and the history and present status of their forms of administration, support, curricular practices, methods, and ideals are studied. Particular emphasis is placed upon present conditions and desirable reforms.

226. Fundamentals of School Administration. 4 term hours.
Prerequisite: Principles of Teaching 101. Mr. Van Buskirk.

Lectures and discussions developing fundamental relationship and principles of action between school administrators, teachers, and "public," and giving a general insight into the duties and responsibilities of the superintendent of schools. The problems discussed include the following: Place of public opinion (local, state, and national) in school control; selection and functions of boards of education and of the superintendent of schools; personnel organization and control; selection, training, tenure, and salaries of teachers; adjustments of curricula to individual differences; the platoon, Winnetka, Cambridge, Dalton, and other plans; the efficiency expert; business organization.

306A. Problems in Secondary School Education. 4 term hours.
Prerequisite: Principles of Teaching 101. Dr. Halnon.

A comparative study of secondary education; the development of secondary education in America; principles determining secondary education; aims and functions of secondary education.

329A. Experimental Problems in Elementary Education. 4 term hours. Prerequisite: Principles of Teaching. Dr. Hilliard.

Supplements course 328B. Review of outstanding studies in the field with special reference to the elementary subjects. elementary organization, measurement, and methods of teaching. One original problem is attacked. Open to sophomores as above.

330B. School Supervision. 4 term hours. Miss Steele.

A course for those looking forward to positions as principals and supervisors of elementary schools and critic teachers in normal schools. The course deals with the problems of supervision, with special emphasis upon the improvement of teaching. Opportunity is provided for practical experience. Among the more important topics covered are the following: Standards for judging instruction, diagnosis of instruction observed methods of improvement, methods of meeting teachers individually and in groups, the selection of textbooks, the use of standard tests.
Psychology

101. Introductory Psychology. 4 term hours. Mr. Powell, Mr. Van Buskirk.

An introductory course serving as a scientific basis for subsequent courses in education, as well as an introduction to the field of psychology itself.

102. Educational Psychology. 4 term hours. Prerequisite: Psychology 101. Mr. Ellis, Mr. Sangren, Dr. Halnon.

An application of the principles of psychology to the practical work of teaching in the classroom.

104. Psychology of Reading. 4 term hours. Prerequisite: Psychology 101. Dr. Hilliard, Miss Stufft.

A summary of the results of the scientific studies made in the field of reading, with suggestions as to the bearing of these studies upon the material and methods of teaching.

205. Mental Tests. 4 term hours. Prerequisite: Psychology 102. Mr. Sangren.

An introduction to the use of mental tests in education. Supervised training is provided in the giving and scoring of the various types of individual and group tests. The interpretation of results and the application of remedial measures will be emphasized.

ENGLISH

101A. Composition. 4 term hours. Miss Eicher, Miss Gary, Miss Henderson, Miss Gould.

A consideration of the principles of composition, with emphasis upon sentence and paragraph structure. Representative prose selections are read and analyzed, and many written compositions are required.

101B. Composition. 4 term hours. Miss Nobbs, Miss Swain, Miss Gary.

A general discussion of the four forms of discourse with analysis of specimens of each form. Most of the time will be devoted to the writing and correction of themes.
103. Literature for Children. 4 term hours. Mrs. Biscomb.

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 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.

112. The Familiar Essay. 4 term hours. Miss Swain.

This course aims to introduce the student to careful and accurate reading of English literary prose, and to cultivate in him some appreciation of the familiar essay as a type of literature. The familiar essay is studied in its historical development with special emphasis on the essay as written by the best essayists of our own times.

121. Chief American Poets. 4 term hours. Mr. Slusser.

An intensive study of the chief American poets.

122. American Prose. 4 term hours. Miss Nobbs.

An intensive study of the chief American prose writers.

216. Contemporary Literature. 4 term hours. Mr. Slusser.

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 upon interesting subjects connected with the literature of today. The course is primarily a reading course; much library work is required.

225. The Ballad. 4 term hours. Mr. Foley.

A study of the form and method of development of the traditional popular ballad. A number of ballads representative of various types will be studied minutely, and many others will be read. The course will pay some attention secondarily to the later artistic ballad.

322. Browning. 4 term hours. Mr. Sprau.

This course is for those advanced students who care enough for Browning's poetry to study it carefully. Primarily for third
and fourth year students specializing in English, or electing it in place of foreign language.

828. Advanced Rhetoric. 4 term hours. Mr. Foley.

In this course some attention is given to the historical background and method of development of the language. Such subjects as point of view, fashion in language, euphemism, poetic imagery, and shifting meanings of words are studied, with a view to illuminating much that lies back of literary expression, and to sharpening and vivifying the student's appreciation of literature. It is taken for granted that those who enroll in the course have had considerable work in English or in foreign language.

888. Modern Drama. 4 term hours. Miss Eicher.

A study of the plays of Ibsen, Pinero, Jones, Galsworthy, Shaw, and others, with a careful inquiry into the relation between the continental, English, and American drama.

415. Literary Criticism. 4 term hours. Mr. Sprau.

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 careful critical judgment and to cultivate the habit of careful criticism.

GEOGRAPHY

101A. Elements of Geography. 4 term hours. Miss Strunk.

An introductory study of the mutual relationships between man and the natural environment. The field of modern geography is defined. Detailed study is made of the life of man in regions in which adjustments to climatic conditions are well marked. Consideration also is given to the facts of mathematical geography and climatic control which aid in the interpretation of these regions.

101B. Elements of Geography. 4 term hours. Prerequisite: Geography 101A. Miss Boswell.

A continuation of course 101A. A study of the relationships between the human activities carried on in several typical regions and the combination of natural environmental elements that exists in each. The course includes an analysis of the environmental elements of location, land forms, soils, minerals,
ground and surface waters, oceans, and coastlines. An elementary study is made of map projections and contour mapping.

202. Geography of North America. 4 term hours. Prerequisite: Geography 101 A, B. Miss Boswell.

A study of the continent by geographic regions. Major attention is given to the relationships between the economic activities and the combination of natural environmental elements occurring in each region.

212. The Teaching of Geography. 4 term hours. Prerequisite: Geography 101 A, B. Miss Strunk.

The course aims to establish standards by means of which the student evaluates pictures, graphs, maps, and subject matter. The technique of presenting geographic material and of measuring the results of geography teaching is studied.

HISTORY AND SOCIAL SCIENCES

History

101. United States History— to 1789. 4 term hours. Mr. Trumble.

Starting with the European background of American History this course treats the origin and growth of the colonies, discusses their relation to the mother country and shows why and how the independence of the United States was established. Special attention is given to the causes and course of the Revolution and to the beginnings of state and national government.

102. United States History—1789 to 1865. 4 term hours. Dr. Russell.

This course treats American History from the inauguration of Washington to the close of the Civil War. The organization of the government under the Constitution, the rise of political parties, the movement into the West, the influence of the frontier, the industrial revolution and its consequences, the rising tide of democracy, the slavery controversy, the sectionalization of the country, and the Civil War are among the chief topics studied.

103. United States History—1865 to the present time. 4 term hours. Dr. Russell, Miss Barnett, Mr. Trumble. Mr. Rhynsburger.

A study of the leading movements in American History since the Civil War. Reconstruction, industrial development, the com-
ing of big business, the organization of labor, the settlement of the far West, recent industrial, social, and political problems and the efforts to solve them, America as a World Power and its part in the Great War are the chief topics in this course.

106. Mediaeval Europe. 476—1500. 4 term hours. Miss Mulry.

The Teutonic invasions and their results, Charlemagne’s Empire, the rise and nature of feudalism, the mediaeval church and its work, the social and intellectual life of the period, the Crusades, the rise of cities, the development of commerce, and the Renaissance are among the chief topics in this course.

201. Modern Europe. 1500—1763. 4 term hours. Dr. Scott.

A study of the Reformation and the religious wars which followed it, the struggle between Spain and England; the rise of the Dutch republic, the growth of absolutism in France, the establishment of parliamentary supremacy in England, the rise of Russia and Prussia, and the world conflict between France and Great Britain.

204. The Teaching of History. 4 term hours. Prerequisite: two courses in History. Mr. Burnham.

This course is intended for students in the Later Elementary and Junior High School groups. It deals with the aims, content, organization, presentation, and testing of History in the Grades. The evaluation of tests, the planning of lessons, the selection and gradation of collateral reading, the correlation of History with the other branches of the curriculum and with the various activities of the school will receive attention.

302. United States History. 1877—1901. 3 term hours. Mr. Burnham.

A study of the rapid industrial progress of the country during this period and of the problems growing out of that development. The tariff, the currency, trusts, labor organizations, and reform movements are among the topics studied.

305. Economic Development of the United States. 3 term hours. Mr. Rhynsburger.

An analysis of our economic development from colonial times to the present. Such forces and factors as the westward movement, the industrial and agricultural revolutions, the tariff and public finance, conservation and allied topics will be considered.
Sociology

103. Sociology. 4 term hours. Elective for Freshmen only. Mr. Delamarter.

A study of social relations and activities in small communities. An elementary text-book in general sociology and a text dealing specifically with village and country life are used. A collection of source materials illustrating the co-operation of teachers and schools in local activities is available.

201A. Society and the Individual. 4 term hours. Not open to Freshmen. Dr. Terpenning.

A discussion of the psychological approach to the study of sociology. It includes some consideration of the bearing of the evolutionary theory on sociological thought, and takes up such subjects as suggestion and choice, sociability and personal ideas, sympathy, the social self, hostility, emulation, leadership, conscience, degeneracy, and freedom.

201B. Social Organization. 4 term hours. Not open to Freshmen. Dr. Terpenning.

The group phase of the organic relation between society and the individual is presented in connection with such subjects as the following: Primary groups and the ideals which develop in them, the importance of communication in the extension of primary ideals to the more elaborate groupings, systems of idealism such as Democracy and Christianity, the organization and function of social classes, the nature, functions, and dangers of institutions, and the importance and control of public will.

Political Science

201. American National Government. 4 term hours. Mr. Shilling.

A study of the government of the United States including its structure, functions, and operations.

302. American Municipal Government. 4 term hours. Prerequisite: Government 201 A, B. Mr. Shilling.

Attention will be focussed upon the problem of city government, growth of cities, types of city organization, municipal functions and finance, the relation of the city to the state, civil service, public utilities and convenience.
Economics

101. Introduction to Economics. 4 term hours. Dr. Griffith.

Gives a background of business information, that will develop an interest in and prepare for further study in this field; or, for the student with but one course in the subject, will be of practical value in interpreting the business aspects of his profession. Primarily descriptive of productive industries, production and marketing methods, corporations, methods of transportation, the work of banks, insurance companies, labor organizations and other agencies as they function in the modern business world. Economic principles are not presented. Designed primarily for those who wish to major in this department but have had no economics in high school, and for those who care for only one term in the subject.

201 A. & B. Principles of Economics. 8 term hours. Prerequisite to all further work in Economics. Dr. Griffith, Mr. Bigelow.

A study of the fundamental principles of economics and their application to some of the more important of our present economic problems. Its purpose is to acquaint the student with the underlying forces and generally accepted laws which govern our economic life, and to train him in methods of straight thinking which will enable him to get at the heart of economic problems which face every individual in his own daily life and in the fulfilling of his duties as a citizen.

301. Public Finance. 4 term hours. Prerequisite: Economics 201 A. & B. (Work in Government may be substituted in special cases by permission of the instructor who teaches.) Mr. Bigelow.

A study of public expenditures, revenues, debts, and problems of fiscal administration. Deals with the characteristics of and trends in public expenditures, the sources of government income, the principles and problems of taxation, an analysis of typical modern taxes such as the general property tax, the income tax, the inheritance tax, and custom duties, the use of public credit, and the budget system and other methods of fiscal administration.
SUMMER SESSION, 1926

HOME ECONOMICS

Foods and Cookery

107. Cookery. 4 term hours. Mrs. Cain.

This course offers practical work in the cooking of all classes of foods, such as cereals, vegetables, meats, eggs, breads, and pastry. Breakfasts, luncheons, and dinners are planned, cooked, and served by the group. Open to all students.


The purpose of this course is to teach the proper selection, the nutritive value, and the importance of a well balanced diet for typical family groups. Open to all students.

Clothing

104. Millinery. 2 or 4 term hours. Miss Stenson.

A course in fundamental millinery including study of line and color for various types, pattern and frame construction, covering of frames with various textiles, general principles of making and placing trimming, remodeling and renovating of millinery materials.

107. Clothing. 2 or 4 term hours. Mrs. Schumaker, Miss Stenson.

Dress appreciation and elementary sewing for students who have had little experience.

210. Clothing. 4 term hours. Prerequisites: Two terms clothing or its equivalent. Mrs. Shumaker.

Applied dress design for advanced students or graduates. The course includes making a paper dress form and its use in modeling and draping on the figure. Emphasis is placed on the application of art principles to the costume.

LIBRARY METHODS

Library Methods. No credit in term hours. Miss French.

A course of ten lessons in the use of the library is offered each term. It is required of all students sometime during their freshmen year.
LATIN

101A. Cicero. 4 term hours. Miss Kraft.
Readings from Cicero or selected authors. Credit to apply on second or third-year Latin.

205. Teachers’ Latin. 4 term hours. Miss Kraft.
Aims, methods, and problems of the first two years of High School Latin will be discussed. The report of the Classical Investigation and other up-to-date material will be used.

107. Mythology. 4 term hours. Miss Zimmerman.
A study of the mythology of the Greeks, with wide reading in literature treating of these myths, and special reference to their use in the teaching of children.

MATHEMATICS

C. Algebra. 2 hours high school credit. Mr. Bartoo.
For students who wish to review the subject as a preparatory course.

100C. Trigonometry. 4 term hours. Offered each term. Mr. Blair, Mr. Ackley, Mr. Bartoo, Mr. Adams.
Plane trigonometry, trigonometric functions, identities, inverse functions, solution of triangles by logarithms.

101. Arithmetic. 4 term hours. Offered each term. Mr. Everett, Mr. Blair, Mr. Cain, Mr. Ackley.
A teachers’ course. To elect this course the student should have a knowledge of geometry and of the beginners’ course in psychology. The work consists of lectures and discussions on the history and teaching of the subject, with assigned reading. Extended treatment of typical problems of applied arithmetic.

102. Teaching of Junior High School Mathematics. 4 term hours. Offered each term. Mr. Adams, Miss Ford.
This course will consist of a series of talks and discussions, with assigned readings for junior high school teachers on the best methods of teaching mathematics in the seventh, eighth and ninth grades. Such topics as the function concept, graphs, the transition from arithmetic to algebra, formulas, and the more modern business applications of the subject will be considered along with the more traditional material of these grades.
103. **College Algebra.** 4 term hours. Spring and summer terms. Mr. Ackley, Mr. Bartoo.

A thorough review of elementary algebra, followed by topics usually studied in college algebra, such as the function concept, determinants, permutations and combinations, theory of equations, and logarithms.

104D. **Analytic Geometry.** 5 term hours. Prerequisite: Trigonometry and College Algebra. Spring and summer terms. Mr. Blair, Mr. Ackley.

Analytic geometry of the straight line, circle, and conic sections. This course is designed to follow course 103, and students who have completed courses 100C, 103, and 104D, will be admitted to Calculus.

110. **Surveying.** 4 term hours. Prerequisite: Trigonometry. Spring and summer terms. Mr. Everett.

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.

112. **Applied Mathematics.** 4 term hours. Winter, spring, and summer terms. Mr. Ackley.

An elementary course in the application of the fundamental operations of mathematics to the solution of shop problems.

208. **The Teaching of Geometry.** 2 term hours. Fall, winter, and summer terms. Mr. Ackley, Mr. Bartoo.

The aim of this course is to give the prospective teacher the best educational thought relating to the content and teaching of geometry in the high school. It is recommended that this course either precede or accompany practice teaching in geometry. (See note following course 209.)

209. **The Teaching of Algebra.** 2 term hours. Winter, spring, and summer terms. Mr. Ackley, Mr. Bartoo.

The aim of this course is to give the prospective teacher the best educational thought with reference to the content and teaching of algebra in the high school. It is recommended that this course either precede or accompany practice teaching in algebra.

Note.—Courses 208 and 209 will be given at consecutive hours, making it convenient for those who desire to take both courses for four hours' credit.
205. **Calculus.** 4 term hours. Prerequisite: Courses 103C, 104B. or 104D. Mr. Adams.

An elementary course in differential calculus.

315-316. **History of Mathematics.** 4 term hours. Prerequisite: College Algebra and Analytic Geometry. Summer term. Mr. Blair.

This course will combine courses 315 and 316 of the regular winter and spring terms, treating of the history of geometry, trigonometry, arithmetic, and algebra from the earliest times to the present. The material of the history of mathematics will give to the high school teacher a survey of the development of elementary mathematics. Some attention will be given to the history of the teaching of mathematics.

321. **Differential Equations.** 4 term hours. Prerequisite: Calculus. Spring and summer terms. Mr. Everett, Mr. Blair.

### MANUAL ARTS

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102A. **Household Mechanics.** 4 term hours. Offered winter and summer terms. Mr. Tabraham.

A course in the use of tools, the selection of materials and the operation and repair of mechanical devices used in maintaining the modern house. Includes practical electrical problems, such as repairing door bells, electric flatirons, etc. Plumbing, glazing, painting, soldering, and carpentry. A course of study, and equipment lists are worked out.

108. **General Metal Shop.** 4 term hours. Offered winter and summer terms. Mr. Weaver.

A course offering information regarding the metal industries and the status of industrial workers in the numerous trades.
The organization and presentation of material is based on a number of unit activities which familiarize the individual with different metals and their useful purposes. Processes in forging, heat treating, welding, soldering, brazing, plating, spinning, stamping, etching, riveting, machining, fitting and polishing are demonstrated and worked out in several metals. Projects in certain cases are required.

201. **Mechanical and Machine Drawing.** 4 term hours. Pre-requisite: Mechanical Drawing 99 or equivalent. Professor Palmer, University of Michigan.

This course is the same as Drawing 1 of the Engineering Department, University of Michigan, and it fits the requirement of future engineering students and teachers of Mechanical Drawing. Special attention is given to orthographic projection, detailing assemblies, and other fundamentals of drafting.

202. **Descriptive Geometry.** 4 term hours. Professor Palmer, University of Michigan.

This course is the same as Drawing 2 of the Engineering Department, University of Michigan. Instruction and exercises are given on combinations of the point, line, and plane, intersections, developments, tangent planes, and warped surfaces.

205. **Woodshop.** 4 term hours. Offered winter, spring, and summed terms. Mr. Nichols.

This is an introductory course in the use and care of woodworking machines. Special emphasis is given to the various types of machines, and points to be considered in the buying of woodshop equipment. Much attention is given to jointer and surfacer grinding, band saw filing and brazing, and circular saw fitting. Types of furniture construction are worked out through a series of fundamental problems.

207. **Wood Finishing.** 4 term hours. Offered summer, fall, and spring terms. Mr. Nichols.

This course includes the working out of the standard finishes along with some of the more popular finishes now in vogue in industrial finishing. These finishes will be worked out on a group of panels of the same woods as those used in the construction of modern furniture. Text book, reference work, and lectures will supplement the laboratory work.

223. **Machine Shop.** 4 term hours. Offered each term. Mr. Weaver.

A course in the fundamentals of machine tool operation, involving work at the bench and the use of machines.
308 A. B. C. Woodshop. 15 term hours. Begins fall and summer terms. Mr. Nichols.

This is an advanced course in machine woodshop designed for those who wish to specialize in woodwork. This course includes more advanced problems in furniture construction and design. Some attention is given to caning and simple upholstery, wood steaming and bending. In this course each student makes a layout of an ideal woodshop, equipping the same, putting in all power lines, openings, etc., for the various machines. Much time is given to the selection of material and the organization of a course of study suitable for senior high school work. Open to Juniors and Seniors.

324 A. B. C. Machine Shop. 12 term hours. Course begins Winter and Summer Terms. Mr. Weaver.

Advanced practice in machine tool construction, operation and repair. Machine parts are finished and assembled, also considerable time is devoted to tool making. A study is made of shop layouts and equipment, also a course is outlined for teaching machine shop practice.

MODERN LANGUAGE

103. Elementary French. 4 term hours. Miss Tamin.

Intended for those who have had one or two terms of French. Drill in pronunciation, grammar, reading from a simple French text, practice in answering questions based on the text, writing French from dictation.

205. Advanced French. 4 term hours. Prerequisite: Two years college French or the equivalent. Miss Tamin.

Conducted largely in French. A rapid grammar review through formal and free composition, and a reading of texts for thought rather than for literal translation.

101A. Beginners’ German. 4 term hours. Miss Zimmerman.

The work of this course will cover that of the first term of first-year German. The remainder of the year’s work may be done in residence, by private lessons, or in extension work. Students desiring to review elementary German may enroll in this course, and will be given an opportunity to do more advanced work than that of the remainder of the class by means of assignments for outside reading.
101. First Year Spanish. Either 101A or 101B will be offered according to the number enrolling. 4 term hours each. Prerequisite for 101B is 101A. Miss Windsor.

The elements of grammar and pronunciation are given particular attention. The use of oral Spanish is encouraged.

101C. First Year Spanish. 4 term hours. Prerequisite: 101B. Miss Windsor.

Those who are prepared to take this term’s work may enroll in Second Year Spanish 102 with the consent of the instructor.

102. Second Year Spanish. 4 term hours. This term’s work will count for either 102A, 102B, or 102C, according to the needs of the student. Prerequisite: 101C. Miss Windsor.

A modern novel will be read and the composition and review grammar work will be based on the same.

MUSIC

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

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

103. Voice Culture. 2 term hours. Mr. Maybee.

In this course we will seek to establish and develop a few fundamental principles involved in learning to sing. Students will receive both individual and group instruction. A selected group of standard songs will form the basis for the term’s study.

104. Early Elementary Music. 4 term hours. Mrs. Snyder, Miss Danielson.

This course presupposes a knowledge of the syllables in the Major and Minor Keys. A study is made of song material for the first three grades; including the problem of monotones and presentation of songs and the introduction of notation.

This course consists of sight reading of unison songs; introduction of part singing; methods of teaching music in the rural schools; organization of music work in the school and the community.

105. **Later Elementary Music.** 4 term hours. Mrs. Snyder, Miss Danielson.

This course presupposes a knowledge of the fundamentals of music. A study of material for the upper grades is made introducing part singing.

109. **Harmony and Ear-Training.** 2 term hours. Mr. Henderson.

This course is offered to meet the demand of the work in ear-training, melody writing and elementary harmony in the upper grammar grades and high school.

113. **Musical Appreciation and Biography.** 4 term hours. Mrs. Tawney.

This course will cover the lives and works of the great masters from Bach and Handel down to the present time. Biographical note book and programs suitable for grades and high school will be worked out. The victrola will be used in this course.

114. **Advanced Harmony and Musical Composition.** 2 term hours. Mr. Henderson.

This course consists of a review of elementary harmony, and of advanced work. It should be preceded by a year's work in elementary harmony. This course will be of exceptional value for supervisors of music.

206C. **Music Education.** 4 term hours. Mr. Maybee.

The course presents methods of organizing classes and presenting school music in both junior and senior high schools. It involves: Study of the changing voice; voice testing, chorus management; methods for organizing and conducting class work, glee club, chorus, and orchestra with a study of suitable material.

331A. **Orchestra and Orchestral Instrument Playing.** 4 term hours. Mr. Amos.

This course is organized to assist teachers in the fundamental technique of orchestral instruments and methods of developing an orchestra. This course is combined with the regular orchestra.
PENMANSHIP

Penmanship. No credit in term hours. Miss Shimmel.

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

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

A credit in penmanship is now required of all candidates for normal school certificates in this state. The work done in the Summer Term will count on that credit.

PHYSICS

Students preparing to teach physics in the high school must have as a minimum preparation in physics courses 200A, 200B, and 200C. Through arrangement with the department of Chemistry a major may be made by taking one year of chemistry and one year of physics. It is best to defer the work in physics until the second year or until the student has had a year of mathematics.

In courses where laboratory work is required it is necessary for the student to so arrange his work that he may have two consecutive hours for laboratory work at least two days a week.

It is desirable that students start their college physics with the course in mechanics. Exception may be made to this requirement in the case of summer students.

200A. Mechanics and Sound. 5 term hours. Prerequisite: High School Physics and Trigonometry. Mr. G. Fox.

A general college course in mechanics of solids and fluids. The last part of the term will be devoted to a study of sound. The work will consist of demonstration lectures and recitations with illustrative problems. Five double periods in class work per week, and 2 double periods in laboratory are required. Kimball’s College Physics and Rich’s Laboratory Manual will be used as textbooks.

200B. Magnetism and Electricity. 5 term hours. Prerequisite: Physics 200A. Mr. Cartland.

A college course in magnetism and electricity. Same general plan of presentation is used as in Physics 200A. This course
together with 200A and 200C, constitutes a year's work in college physics and should be elected by all students who desire a complete unit of credit either as a foundation for high school teaching or in preparation for more advanced courses in physics and engineering. Five double lecture-recitation and two double laboratory periods are required per week.

200C. Heat and Light. 5 term hours. Prerequisite: Physics 200A. Mr. Marburger.

A general course dealing with the phenomena of heat and light. This course together with 200A and 200B constitutes a year's work in physics and should be elected by all students who desire a complete unit in general physics as stated in description of course 200B. Five double lecture-recitations and two double laboratory periods a week.

201. Astronomy. 2 term hours. Mr. G. Fox.

A non-mathematical course in descriptive astronomy which will serve as an aid to students in general science and to others who wish to get an understanding of the elements of the subject. Open as an elective to students of all courses. Four one-hour periods in a week.

202. Alternating Currents. 2 term hours. Prerequisite: High School Physics. Mr. Cartland.

Designed especially for high school teachers of physics. Its aim is to make clear the distinction between alternating and direct currents and to give the student experience in handling each. It is concerned with such problems as the design and function of the transformer; the measurement of impedance and power factor; voltage and current relations in series and parallel circuits; relation between impedance, resistance and reactance; polyphase circuits; calculation of wire sizes for various distribution systems; converters and rectifiers. The general use of alternating current makes a knowledge of this course exceedingly valuable to the high school teacher of physics. Class meets four times a week for one period.

105. Radio. 2 term hours. Prerequisite: High School Physics. Mr. Marburger.

An elementary non-mathematical course in the fundamental principles underlying radio reception and transmission. Designed to meet the needs of teachers and students preparing to teach high school physics and general science. Different types of receiving and transmitting circuits will be studied. An opportunity will be given for students who desire to learn International Morse telegraph code. Lectures, class-demonstrations and recitations. Four periods per week.
PHYSICAL EDUCATION AND COACHING (FOR MEN)

The physical education department for men offers each summer a number of courses designed to be of special service to coaches and prospective coaches who are unable to take the full work of the department during the regular school year or who wish to supplement and refresh their work. These courses are organized under the name of "Summer School for Athletic Coaches." Material is presented in concentrated form and all work is intensely practical since field, floor, and track work is closely coupled to classroom theory. Teachers and principals, though not actively engaged in coaching, may still find these courses profitable as an aid to intelligent supervision and direction of athletics.

An interclass baseball league is conducted each summer and a program of intramural sports carried out where workable ideas of service in general physical education administration may be gained.

The work of the summer school will be conducted directly by the experienced coaching corps of the department, supplemented by outside instructors who have made a name for skill in special lines of work.

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

2138. Football. 1 term hour. Mr. Hyames.

Fundamentals; position of each player on offense and defense, all forms of kicking, tackling and blocking; principles of interference, and carrying the ball; execution of the forward pass. A practical system of offense and defense will be taught with consideration to the conditioning and handling of a team. Lectures.

2138. Football. 1 term hour. Mr. Hyames.

Tackling, blocking, offensive and defensive tactics. Team play and football strategy. Two two-hour periods. Field work.

115S. Basketball Technique. 2 term hours. Mr. Read.

Fundamentals; handling of the ball; passing, goal throwing, pivots, and stops; dribbling, team play, and actual competition. Theory of coaching and study of different offensive and defensive systems taught throughout the country. A complete practical system in itself will also be taught. Lectures and floor work.
136S. **Scoutcraft.** 2 term hours. Mr. Read.

Principles of scout work—organization, equipment, rope-tying, patrols, signaling, and hiking. Hikes and at least two week-end camping trips will be taken. The object of this course is to make every graduate of the department a potential scout master.

118S. **Baseball Technique.** 2 term hours. Mr. Hyames.

Fundamentals of batting, bunting, base running, position play, offensive team work.

119S. **Technique of Track Athletics.** 2 term hours. Mr. Read.

Practical instruction in starting, sprinting, distance running, hurdles, high and broad jumping, pole vaulting, shot putting, discus and javelin throw. Preparation of contestants for standard events; rules of competition; intensive study of physical condition, including endurance, speed and fatigue, with view to promotion, management, and officiating of games and meets. Lectures and athletic field work.

101S. **Physical Education.** Credit for Physical Education. Mr. Martineau.

A course in plays and games to meet the needs of rural teachers both in recreation and team play. Meets four days a week (one hour periods).

Intramural and County Base Ball League. Plays a regular schedule of games. Physical Education Credit. 3:00-5:00 P. M. Mr. Hyames.

Tennis instruction will be offered if requested. The tennis courts are open during the day for students.

**PHYSICAL EDUCATION FOR WOMEN**

Five terms of physical education are required for a life certificate. Any of the practice courses may be substituted for the first four terms. Physical Education 202 is required of all students as the last term's work.

A practice course marked "C" must be combined with another course marked "C" for one term's credit in physical education. Physical education credit is given for practice courses, but no term hours are allowed.

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. She is assigned to the type of activity which best suits her needs. Students temporarily excused from the course must arrange for credit with the department head. Prompt enrollment and regular attendance are necessary to secure credit. A regulation gymnasium suit is required.

101 (C). Physical Education. The Staff.

A two-hour course in elementary tactics, gymnastics, games, and folk dancing.

102 (C). Physical Education. The Staff.

A two-hour course with simple technique in tennis will be given for beginners and advanced players.

103 (C). Folk Dancing. Miss Crane.

A two-hour course, offering folk dances of various nations, clogs, jigs and country dances.

104. Dancing. Miss Mullen.

A four-hour course with principles of dancing based on the natural movements will be offered.

105 (C). Swimming. Miss Mullen, Miss Bottje.

A two-hour course of instruction in all swimming strokes, diving and life saving.

201. Team Games. Miss Bottje.

A four-hour graded course in team games, including volleyball and baseball.

202. Physical Education. Miss Spalding.

This course is required of all students and should be taken for the final term's work in physical education. Two periods of practice and one of theory. A study is made of the need of physical education. Classification is made of exercise, games and folk dancing for the different grades.

Courses for Specializing Students

119. Playground Organization. 3 term hours. Miss Crane.

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 are given due consideration. Play activities from the simplest form to the more highly organized competitive games are carried on in the gymnasium.

222. Theory of Athletics. 2 term hours. Miss Spalding.

The technique of athletics for both outdoor and indoor work will be carefully studied in this course. Administration of meets and tournaments, and rules governing track and field competition will be considered.

223. Theory of Games. 2 term hours. Miss Mullen.

A study of games suitable for children of various grades with progression toward major sports is made. Special attention will be given to rules and playing technique of soccer, hockey, volleyball, basketball and baseball.

RURAL EDUCATION

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

Courses of training for rural teachers are already in print which definitely outline four year's 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. No one can now begin teaching in Michigan who has not had at least one year of training after the completion of a four-year high school.

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

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

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

3. A County Certificate good in a particular county for one year is issued by County Boards of Examiners to students who do one full year of specified work. Every facility will be pro-
vided here for students who may wish to do this. By adding a summer session's attendance and gaining two additional credits a three-year state certificate may be earned. Teachers seeking renewals of second and first grade county certificates will be given specific direction.

Summer term students who are interested in completing a life certificate course in rural education, or the limited certificate course should confer with Dr. Burnham. A number of the summer term teachers have had much first hand experience in rural education and their experiences will be utilized in giving interest and value to the rural education courses.

201A. Rural Education. 4 term hours. Dr. Burnham.

This course will utilize new material collected this year from states and institutions. A general view of progressive activities in rural education will be utilized as affording perspective for intensive study of the problems which are directly related to the service needs of members of the class. Questions of maintenance, organization, supervision, teaching, and curriculum will be considered. Elective, not open to first year students.

304. Rural Education. 2 term hours. Dr. Burnham.

This is a seminar course for third and fourth year college students only. The best material in print on rural life and education will be read and discussed. One piece of research work will be required of each student. Students interested in becoming teachers in County Normal Schools or Helping Teachers in counties will find it to their advantage to take this course.

101R. Principles of Teaching. 4 term hours. Miss Skinner.

The aim of this course is to present the teaching principles to students planning to teach in rural and village schools, through readings, discussions, lectures, and observations in the Training Schools. This course leads on to practical participation in the school activities in the following term. Certain problems of management and law are discussed as they arise in connection with the work of the term. Prerequisite to practice teaching.

101. Curriculum. 4 term hours. Miss Skinner.

This course aims to acquaint students with modern tendencies in curriculum making and the content of our best elementary courses of study. The work will be divided into three parts: (1) a study of the general principles underlying present-day curricula and their application to the common school subjects; (2) a detailed study of the Michigan State Course of Study for
Elementary Schools; (3) a brief comparative study of the Michigan course and the courses of other states and cities.

**103. Sociology.** See description in Department of Sociology. Mr. Delamarter.

### SPEECH

**101. Fundamentals of Speech.** 4 term hours. Mr. Lahman.

The basic course for all work in the department. A study and application of the fundamental principles underlying the use of the voice and body for effective communication.

**110. Interpretive Reading.** 4 term hours. Prerequisite: 101. Mr. Boyd.

Analysis and oral interpretation of the more simple types of prose and poetry.

**215. Play Production.** 4 term hours. Prerequisite: 101 and 110 or the consent of the instructor. Mr. Boyd.

Methods of staging plays, including stage settings, costume, and make-up. Plays will be presented by the class. Each student will direct at least one play.

**225. Argumentation and Debate.** 4 term hours. Prerequisite: 101 or the consent of the instructor. Mr. Lahman.

A course designed particularly for high school debate coaches and those who expect to coach debate. In addition to a thorough study of the principles of argumentation, with practice in debating current public questions, special attention is given to the problems of coaching and judging. An intensive study will be made of the question to be used for 1925-27 in the Michigan High School Debate League.

### TRAINING SCHOOL

**Teaching**

The Normal Training School on the campus will be open forenoons in grades one to six for the six weeks of the summer session from 8:00 to 11:00 daily. Regular grade and special supervisors will have charge of the work. Opportunity for
observation and a limited amount of practice teaching is afforded. Pupil enrollment is by application. Children of students attending the summer session are among those accepted. The work is designed to furnish profitable experience for the children rather than the making up of grades for those who have failed of promotion.

Students enroll for Teaching in the Training School Office at the time regularly scheduled for enrollment, at which time assignment will be made to a definite grade and Supervisor. Students are then to report to Supervisors for further instructions, at hours later posted on the bulletin board outside the Training School Office. Watch the bulletin board.

Class meetings with the Supervisors are held Mondays, Tuesdays, Thursdays, and Fridays, 11:00 to 11:50 A. M. Meetings with the Director are held Wednesdays 11:00 to 11:50 A. M. The hours from 9:00 to 12:00 must therefore be reserved by all students enrolling for teaching.

Students are advised not to take extra studies if attempting practice teaching in the summer term.

Courses

202. Teaching. 4 term hours. Prerequisite: Teaching 201.

Offered in summer term to holders of Limited Certificates who are completing work for the Life Certificate. Not open to students in residence on the campus during the other terms. Application must be made to the Director of the Training School well in advance of the date of enrollment.

This course includes (1) the teaching of classes ("double-teaching" for one unit of credit) in the Training School; (2) the observation of lessons taught by Supervisors; (3) the study and measurement of children as individuals and in groups; and (4) meeting with the Supervisor of Practice Teaching, and with the Director of the Training School unless this work was taken in connection with 201. Students are urged to become as familiar as possible with the spirit and general workings of the Training School.

205. Teaching. 4 term hours. Prerequisites: Maturity and experience. Offered Summer term only. Mr. Ellsworth and Grade and Special Supervisors.

A course in observation and discussion designed to keep teachers of experience in touch with the best present-day practice.

Demonstration rooms are conducted, one each, in primary, intermediate, and upper grades. The aim is to present progressive methods of education under modern conditions. Class meetings are held for discussion of the work observed, and for presentation of underlying theory.
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