1934

Bulletin: Western State Teachers College 1934 Summer Session

Western Michigan University

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BULLETIN

Western State Teachers College

KALAMAZOO, MICHIGAN

1934 SUMMER SESSION
MONDAY, JUNE 25, TO FRIDAY, AUGUST 3

This Institution is a member of the American Association of Teachers Colleges. It is fully accredited as a college by the North Central Association of Colleges and Secondary Schools.
DIRECTIONS FOR CORRESPONDENCE WITH WESTERN STATE TEACHERS COLLEGE

Correspondence with Western State Teachers College should be addressed as indicated below:

a) Requests for catalogs, bulletins, blanks for recording high-school credits, and other literature—The Registrar.

b) Concerning the adjustment of credits—The Registrar.

c) Concerning board, rooms, and remunerative work for men—The Dean of Men.

d) Concerning board, rooms, and remunerative work for women—The Dean of Women.

e) Concerning rural education—the Director of the Department of Rural Education.

f) Concerning extension work—the Director of the Extension Department.

g) Concerning educational research—the Director of the Bureau of Educational Measurement and Research.

h) Other general inquiries—The Registrar.

INFORMATION FOR NEW STUDENTS

A student applying for admission should

a) Have a certified copy of his high-school credits mailed to the registrar by the high school from which he graduated.

b) If entering with advanced standing from any county normal, normal school, college, or university, have mailed to the registrar complete official statements regarding the work for which credit is sought.

c) Have credits sent in at as early a date as possible.
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CALENDAR ANNOUNCEMENTS
1934-1935

SUMMER SESSION—1934

Monday, June 25. .................... . Registration of students
Tuesday, June 26. .................... . Recitations begin
Friday, August 3. .................... . Summer session ends

FALL TERM—1934

Monday, September 24, to Wednesday, September 26 .......... Freshman Days
Tuesday, September 25. .......... . Registration of freshmen
Wednesday, September 26 .......... Registration of upper classmen
Thursday, September 27 .......... Registration of upper classmen
Wednesday, December 19 .......... Fall term ends

WINTER TERM—1935

Monday, January 7. .................... . Registration of students
Tuesday, January 8 .......... . Recitations begin
Friday, March 29 .......... Winter term ends

SPRING TERM—1935

Monday, April 8 .......... Registration of students
Tuesday, April 9 .......... Recitations begin
Friday, June 21 .......... Spring term ends
Saturday, June 22 .......... Alumni Day
Sunday, June 23 .......... Baccalaureate address
Monday, June 24 .......... Commencement

SUMMER SESSION—1935

Monday, July 1 .......... Registration of students
Tuesday, July 2 .......... Recitations begin
Friday, August 9 .......... Summer session ends

FALL TERM—1935

Monday, September 23 to Wednesday, September 25 .......... Freshman Days
Tuesday, September 24 .......... Registration of freshmen
Wednesday, September 25 .......... Registration of upper classmen
Thursday, September 26 .......... Recitations begin
Wednesday, December 18 .......... Fall term ends
PROGRAM OF SUMMER SESSION EVENTS—1934

First Week (June 25-June 30)

Monday, June 25
Registration.

Tuesday, June 26
9 A. M. General Assembly. (Speaker to be announced.)
3 P. M. Matinee tour. Kalamazoo State Hospital.

Wednesday, June 27
3-5 P. M. Tea for faculty and students. Women's League Room.

Thursday, June 28
3 P. M. Matinee tour. Kellogg Bird Sanctuary, in the beautiful Gull Lake district.

Saturday, June 30
5 A. M. One-day excursion to Chicago, Century of Progress.
7 A. M. Optional week-end excursion to Michigan State Prison at Jackson.

Second Week (July 2-July 7)

Monday, July 2
8 P. M. Program by faculty for summer-session students.

Tuesday, July 3
9 A. M. General Assembly. (Speaker to be announced.)
3 P. M. Matinee tour. New Borgess Hospital, one of the largest and most complete hospitals in Western Michigan.

Thursday, July 5
3 P. M. Matinee tour. The Kalamazoo Gazette, a tour of a modern newspaper plant.

Saturday, July 7, and Sunday, July 8
5 A. M. Two-day excursion to Chicago, Century of Progress.

Third Week (July 9-July 14)

Commercial School Exhibit Week

Tuesday, July 10
7 P. M. Matinee tour. Kalamazoo Bread Company, to see how bread and pastries are baked in a large bakery.

Wednesday, July 11
3 P. M. Matinee tour. Occupational Therapy Department of Kalamazoo State Hospital.
3-5 P. M. Tea for faculty and students. Women’s League Room.

Thursday, July 12
3 P. M. Matinee tour. Nazareth Academy, an outstanding Catholic convent, school for boys and girls, and liberal arts college.

Saturday, July 14
5 A. M. * Week-end excursion to Chicago. A visit to the Planetarium and to the Century of Progress.
7 A. M. Optional week-end excursion to Ionia. Michigan State Reformatory and Hospital for Criminal Insane.
Fourth Week (July 16-July 21)

Tuesday, July 17
9 A. M. General Assembly. Program of music.
3 P. M. Matinee tour. Anne Kellogg School at Battle Creek.

Wednesday, July 18
6:30 P. M. Faculty and student picnic.

Thursday, July 19
3 P. M. Matinee tour. Kalamazoo State Hospital.
8 P. M. Evening entertainment. (In charge of students.)

Saturday, July 21, and Sunday, July 22
5 A. M. Two-day excursion to Chicago, Century of Progress.
7 A. M. Optional week-end excursion to Lansing. Industrial School, School for the Blind, Michigan State College, and other capitol-city attractions.

Fifth Week (July 23-July 28)

Tuesday, July 24
9 A. M. General Assembly. (Speaker to be announced.)
3 P. M. Matinee tour. Kalamazoo Vegetable Parchment Company, a trip through the world's model paper company.

Wednesday, July 25
3 P. M. Matinee tour. Upjohn Company, one of the large manufacturers of pharmaceuticals.
5-5 P. M. Tea for faculty and students. Women's League Room.

Thursday, July 26
3 P. M. Matinee tour. Camp Custer, to see the R. O. T. C., C. M. T. C., C. C. C., and the soldier hospitals.

Saturday, July 28

Sixth Week (July 30-August 3)

Tuesday, July 31
9 A. M. General Assembly. Program of music.
3 P. M. Matinee tour. The Bell Telephone headquarters, to see the intricate system of manual and automatic control that makes telephone communication possible.

Wednesday, August 1
3 P. M. Matinee tour. Kalamazoo State Hospital.

(Two Educational Clinics will be held during the summer session. At these clinics, questions and problems of interest to the students attending summer school will be discussed. Dates for these clinics to be announced later.)
THE STATE BOARD OF EDUCATION

The Hon. A. M. Freeland ............................................. President
The Hon. Frank Cody .................................................. Vice President
The Hon. Paul F. Voelker ............................................ Secretary
Mrs. Earl F. Wilson .................................................. Member

THE STATE SUPERINTENDENT OF PUBLIC INSTRUCTION

Dr. Paul F. Voelker

THE OFFICERS OF ADMINISTRATION

Dwight B. Waldo, A. M., LL. D. ........................................ President
John C. Hoekje, A. B. .................................................. Registrar
Bertha S. Davis ....................................................... Dean of Women
Ray C. Pellett, A. M. .................................................. Dean of Men
Frank E. Ellsworth, A. M. ............................................ Director of Training Schools
THE FACULTY

The Department of Agriculture

HOWARD D. CORBUS, B. S.
B. S., Michigan State College; University of Michigan; Cornell University.

The Department of Art

SELMA E. ANDERSON
Chicago Art Institute; The University of Chicago; Harvard University; Teachers College, Columbia University; School of Fine and Applied Arts; New York State School of Ceramics; Rudolph Schaeffer School of Art; Berkshire Summer School of Art.

HAZEL I. PADEN, B. S.
B. S., Massachusetts School of Art; Massachusetts Normal Art School; Boston University; Cornish School of Art; University of Oregon.

ELAINE L. STEVENSON, B. A. E.
B. A. E., Chicago Art Institute; Western State Teachers College; Quint Studio of Pottery; Church School of Art.

The Department of Biology

Leslie A. Kenoyer, Ph. D.
A. B., Campbell College; A. M., University of Kansas; Ph. D., The University of Chicago; Ph. D., Iowa State College.

LAVERNNE ARGABRIGHT, A. M.
Ph. B., The University of Chicago; A. M., Columbia University; Western State Teachers College; University of California.

HAROLD B. COOK, M. S.
A. B., Cornell College; M. S., Iowa State College; Iowa State Teachers College; State University of Iowa; Rush Medical College, The University of Chicago.

HENRY N. GODDARD, Ph. D.
Ph. B., Ph. D., University of Michigan; The University of Chicago.

THEODOSIA H. HADLEY, M. S.
B. S., Packer Collegiate Institute; A. B., Vassar College; M. S., The University of Chicago; Cornell University; Teachers College, Columbia University; Sorbonne, Paris; Ecoles Orientales, Paris.

The Department of Chemistry

WILLIAM MCCracken, Ph. D.
A. B., University of Michigan; Ph. D., The University of Chicago; Columbia University.

JAMES W. Boynton, A. B.
A. B., Western State Teachers College; University of Michigan.

ROBERT J. ELDRIDGE, S. M.
B. S., Kalamazoo College; S. M., The University of Chicago; California Institute of Technology.

The Department of Commerce

EMMA WATSON, B. S.
B. S., Teachers College, Columbia University; Cleary Business College; Michigan State Normal College; Gregg School; University of California.
The Department of Education and Psychology

PAUL V. SANGREN, Ph. D., (Director of Research Department)
A. B., Michigan State Normal College; A. M., Ph. D., University of Michigan; Ferris Institute; Indiana University.

JANE A. BLACKBURN, A. M.
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B. S., Detroit Teachers College; A. M., Ohio State University; Michigan State Normal College.

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KATHERINE A. MASON, A. M.
B. S., A. M., Teachers College, Columbia University.

EFFIE B. PHILLIPS, A. M.
B. S., University of Minnesota; A. M., Teachers College, Columbia University; St. Paul Normal School; Washington State Normal School.

ELMA A. STEELE, A. M.
B. S., A. M., Teachers College, Columbia University; Johns Hopkins University; New School of Social Research.

ELMER H. WILDS, Ed. D.

The Department of English

GEORGE SPRAU, A. M.
A. B., Ohio Northern University; A. B., A. M., Ohio University; A. M., Harvard University.

LORENA M. GARY, A. B.
A. B., Western State Teachers College; The University of Chicago; University of Michigan.

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ELEANOR RAWLINSON, A. B.
A. B., Western State Teachers College; Albion College; The University of Chicago.

HERBERT SLUSSER, A. M.
A. B., A. M., University of Michigan.

RUTH G. VANHORN, A. M.
A. B., A. M., University of Michigan; Bread Loaf School of English; Western State Teachers College.
LOUISE J. WALKER, A. M.
A. B., Albion College; A. M., Teachers College, Columbia University; Central State Teachers College.

**The Department of Geography**

WILLIAM J. BERRY, S. M.
A. B., Iowa State Teachers College; S. M., The University of Chicago.

LUCIA C. HARRISON, S. M.
A. B., University of Michigan; S. M., The University of Chicago; The University of Mexico.

**The Department of Handwriting**

ETHEL SHIMMEL, A. M.
A. B., Western State Teachers College; A. M., Teachers College, Columbia University; Olivet College; Michigan State Normal College; Cleary Business College.

**The Department of Health**

ELLIS J. WALKER, Ph. B., R. N.
Ph. B., University of Wisconsin; Augustana Hospital Training School for Nursing; Registered Nurse Illinois, Wisconsin, Michigan; Columbia University; State Normal School, Oshkosh, Wisconsin.

**The Department of Home Economics**

MARY A. MOORE, B. S.
B. S., Western State Teachers College; Kalamazoo College; Teachers College, Columbia University.

CORA M. WALKER, A. M.
B. S., State College for Women, Denton, Texas; A. M., Teachers College, Columbia University; University of Texas.

**The Department of Languages**

HARRY P. GREENWALL, A. M.
B. L., Ohio Wesleyan University; A. B., Western State Teachers College; A. M., Teachers College, Columbia University; University of Berlin; University of Mexico.

M. AMELIA HOCKENBERRY, A. B.
A. B., Wellesley College; University of Bordeaux; French Summer School, Middlebury, Vermont; Radcliffe College; University of California.

EUNICE E. KRAFT, A. M.
A. B., A. M., University of Michigan; Western State Teachers College; American Academy at Rome; Teachers College, Columbia University.

FRANCES E. NOBLE, A. M.
A. B., A. M., Northwestern University; Sorbonne; University of Wisconsin; Marquette University.

M. MATHILDE STECKELBERG, A. M.
A. B., University of Nebraska; A. M., Teachers College, Columbia University; University of Jena; Ludwig-Maximilian University, Munich.

**The Department of Manual Arts**

MARION J. SHERWOOD, A. M.
B. S., A. M., Teachers College, Columbia University; Western State Teachers College; Michigan State College; University of Michigan.
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The Department of Mathematics

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GROVER C. BARDOO, A. M.
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A. B., A. M., University of Michigan; Ferris Institute.

WILLIAM H. CAIN, A. M.
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The Department of Music

HARPER C. MAYBEE, M. Ed.
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The Department of Rural Education

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The Department of Speech

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ANNA E. LINDBLOM, A. M.
A. B., A. M., Iowa State University.

The Campus Training School

ROXANA A. STEELE, A. M.
B. S., A. M., Teachers College, Columbia University; Johns Hopkins University; New School of Social Research.

BESS W. BAKER, A. M.
Ph. B., The University of Chicago; A. M., University of Michigan; Western State Teachers College.

ELSIE L. BENDER, A. M.
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GRACE I. GISH, A. M.
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ROBERTA M. HEMINGWAY, B. S.
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A. B., Indiana University; The University of Chicago; University of Michigan; Teachers College, Columbia University.

FLORENCE E. MCLOUTH, A. M.
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CELLA STUFFY, A. M.
A. B., University of Nebraska; A. M., Teachers College, Columbia University; The University of Chicago; University of Oregon.

FRANCES M. THOMPSON, A. M.
B. S., A. M., George Peabody College for Teachers; Teachers College, Columbia University.

The Alumni Secretary

CARL B. COOPER, A. M.
A. B., Western State Teachers College; A. M., Teachers College, Columbia University; University of Michigan.
The Library

ANNA L. FRENCH, Librarian
Michigan State Normal College; Drexel Institute School of Library Science.

EDITH E. CLARK, A. B., Periodicals
A. B., Western State Teachers College.

VERA F. GRAHAM, A. M., Reference.
A. B., Dakota Wesleyan University; A. M., Northwestern University; B. S. in Library Science, University of Illinois.

MARY A. H. HARVEY, Orders and Accessions
Michigan Female Seminary; Oberlin College.

JOAN HUMAREE, A. B., Catalog
A. B., Western State Teachers College; B. S., Simmons College School of Library Science; Lake Forest College.

PAUL L. RANDALL, A. B., Circulation
A. B., Western State Teachers College; B. S. in Library Science, University of Illinois.

CLAIRE L. STERLING, A. B., Circulation
A. B., Western State Teachers College; Battle Creek Business and Normal School.

THE OFFICES, ETC.

John C. Hoekje .............................................. Registrar
Sara Ackley ............................................... Manager, Co-operative Store
Blanche Draper ............................................ Editor, Teachers College Herald
Homer M. Dunham ......................................... Publicity
Eva Falk ....................................................... Entrance Credentials
Margaret Fisher ............................................. Clerk, Dean of Men
Alice Haefner .............................................. Recorder
Bernice Hesselink ........................................ Financial Secretary
Edna Hirsch ................................................ Clerk, Main Office
Lloyd Jesson ............................................... Secretary to the President
Eunice Jones .............................................. Clerk, Dean of Women
Carmen Keller ............................................. Clerk, High School Office
Cornelius MacDonald ...................................... Receiving Clerk
Maxine MacDonald ........................................ Clerk, Records Office
Grace Moore ............................................... Manager, Cafeteria
Marjorie Nash ............................................ Appointment Office
Lucille Sanders ........................................... Clerk, Rural Department
Olga Schalm ................................................ Clerk, Research Department
Alice Smith ............................................... Appointment Office
Leah Smith ............................................... Extension Secretary
Carrie Stoeri ............................................... Clerk, Registrar

THE FACULTY COUNCIL

1. Members elected
   Terms expire May, 1936
   F. Moore, McCracken, Steele.
   Terms expire May, 1935
   Harrison, Kraft, Sprau
   Terms expire May, 1934
   Sangren, Scott, Hillard

2. Members appointed
   Terms expire May, 1934
   S. Burnham, Kercher, Siedschlag.

3. Members ex-officio
   President D. B. Waldo
   Registrar John C. Hoekje
## FACULTY COMMITTEES
### Summer, 1934

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<td>6. Curricula Enrolers</td>
<td>Art</td>
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<tr>
<td></td>
<td>Business Administration</td>
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<td></td>
<td>Commerce</td>
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<td></td>
<td>Early Elementary</td>
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<td>Home Economics</td>
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<td></td>
<td>Later Elementary</td>
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<td>Manual Arts</td>
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<td>Manual Arts and Physical Education</td>
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<td>Music</td>
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<td>One-Year Curriculum</td>
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<td>Physical Education—Men</td>
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<td>Physical Education—Women</td>
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<td>Rural Education</td>
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<td>Senior High School</td>
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<td>Three-Year Certificate</td>
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<td>Unclassified</td>
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<td>COMMITTEE</td>
<td>PERSONNEL</td>
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<tr>
<td>7. Extra Studies and Scholarship</td>
<td>Hockje, Carter, Davis, Spindler</td>
</tr>
<tr>
<td>8. Friendship</td>
<td>Cooper, Mason</td>
</tr>
<tr>
<td>9. General Advisory</td>
<td>S. Burnham, McCracken, Sangren, Spindler</td>
</tr>
<tr>
<td>10. Health</td>
<td>Cook, Davis, Spalding</td>
</tr>
<tr>
<td>11. Social Life</td>
<td>Davis, Cook, M. Gary, Mason, M. Moore</td>
</tr>
</tbody>
</table>
| 12. Student Organizations | Y.M.C.A.—Cooper  
Y.W.C.A.—Mason, Steckelberg |

N.B. In each case the person whose name appears first is the chairman of the committee.
General Information

PURPOSE

Through its summer session, Western State Teachers College provides opportunity for professional advancement to varied groups. It enables the experienced teacher to keep in touch with new developments in the educational world, to increase his own academic knowledge; it offers courses directly related to the particular problems of superintendents, principals, and others in supervisory positions; it makes possible the earning of a certificate or a degree by a teacher who is not able to attend during the regular year; it permits students registered during the year to continue their studies in the summer.

To one engaged in teaching during the year attendance at a summer session brings large returns. Friendships formed or renewed, recreational opportunities, and intellectual inspiration through classroom contacts, lectures, round-table conferences, and conducted excursions—all combine to give fresh enthusiasm for the next year's work.

HISTORY

Summer sessions of six weeks' duration have been conducted since the foundation of Western State Teachers College in 1904. In the summer of 1933, 923 students of collegiate rank were enrolled; 22 life certificates and 22 limited certificates were granted, and 80 degrees conferred. Steady attendance indicates that these sessions have been found of distinct service to prospective and experienced teachers.

THE THIRTY-FIRST SUMMER SESSION

The thirty-first summer session will open June 25 and continue until August 3. Students will be enrolled and classified on Monday, June 25. Instruction will begin in all classes on Tuesday, June 26. The majority of the instructors will be members of the regular staff. Departments so arrange their work that it is possible for students to pursue sequences from summer to summer.

LOCATION

Western State Teachers College is in the city of Kalamazoo, the location of which, at the intersection of a wonderful series of natural highways, is one of the finest in the Old Northwest. The city is the halfway point between Detroit and Chicago on the Michigan Central Railway. The Pennsylvania, the Chicago, Kalamazoo, and Saginaw, and the South Haven Branch of the Michigan Central railway, together with a network of paved and graveled highways and trunk lines, all following post-glacial drainage lines radiating from here, make it easily the hub of southwestern Michigan. Kalamazoo has become a great business, professional, and educational center.

The site of the college is one of unusual beauty. Five of the buildings stand upon a hill, which rises a hundred feet above the broad plain of the old glacial Lake Kalamazoo, where are now the celery fields and much of the business and residence part of the city, and through which meanders the Kalamazoo River. From the hilltop on clear days can be obtained a most pleasing panorama, eastward and northeastward, over the wooded city in the bottom lands, to the broken moraine of the Saginaw-Michigan ice lobes. To the west of the
hilltop is the old drainage valley of the once large and vigorous Arcadia Creek, along which now runs the main line of the Michigan Central Railway. In this depression are the athletic field, the Men's Gymnasium, the Manual Arts Building, and classroom buildings.

The city of Kalamazoo has a population of 60,000, dependent upon the business growing out of the rich surrounding farming country, the celery fields within and adjacent to it, the widely known paper mills, and a diversity of other manufacturing industries. The exceptionally pure water supply is obtained from artesian wells that tap the deep glacial gravel beds of the old Kalamazoo Valley.

**BUILDINGS AND MATERIAL EQUIPMENT**

There are nine buildings, well adapted to their uses. They provide a splendid physical equipment.

1. The **Administration Building** contains the Administrative Offices, the Bureau of Educational Measurements and Research, the Alumni Office, classrooms, the High School Assembly Room, the College Co-Operative Store, and the Women's League Room. The latter is a large and attractively furnished room that has been set aside for the use of the women of the college. Students find this charming room with its comfortable chairs and davenport a pleasant place to rest and chat with friends, and to hold informal social gatherings.

2. **"The Barracks."** In the building used as a barracks during the S. A. T. C. days are the Department of Art, the Department of Early Elementary Education, part of the Department of Home Economics, and three classrooms. (Laboratories for courses in foods and cookery are in the Administration Building and the Training School.)

3. The **Campus Training School** includes a kindergarten, a room each for grades one to eight, special classrooms, a library, a gymnasium, and laboratories for both art and music. The center of the building, an open lightwell, forms a rotunda, in which is a stage for children's assemblies.

4. The **Library Building**, which was completed in the summer of 1924, enables all the students of the college to do reading and reference work under the most comfortable conditions. One corner of the building, at the side of the wide entrance lobby, is occupied by a long delivery desk, behind which is a steel-constructed stack-well. At the other side of the lobby a corner of the building is devoted to staff work rooms and a faculty reading room. All the rest of this floor is given over to the main reading room, two stories high and 158 feet by 38 feet, accommodating 290 readers. The second floor has two large lecture rooms and two seminar rooms. The basement provides more classrooms, a large study room, and a check room for wraps. The library consists of 32,000 volumes, arranged according to the decimal classification, and indexed by a card catalog of the dictionary type. There are 60 complete files of periodicals. Three hundred twenty-eight periodicals and twelve newspapers were subscribed for during the current year. (Students are also generously accorded the services of the efficient staff of the Kalamazoo Public Library and the use of its collection of 75,000 volumes).

The **Department of Commerce** occupies the basement of this building. A complete equipment of typewriters, filing cabinets, duplicating machines, etc., has been provided, so that students may have an opportunity to become familiar with modern mechanical office devices.

5. The **Manual Arts Building** is a fireproof structure of modern factory type. Facilities for specialization in woodworking, metal working, and drafting are complete and adequate. Washrooms and shower baths adjoin the locker room. There are separate units for elementary woodwork, advanced woodwork, forging, sheet metal, machine shop, foundry, pattern making, gas
engine, and automobile repair work. The drafting room receives north and west light. This building is modern in every respect. With its ample equipment it provides satisfactory training opportunities for those interested in the industrial arts.

6. The Men's Gymnasium was erected in 1925. Its size and equipment make possible adequate training of varsity basketball 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. Between 3,500 and 4,000 people may be seated around the varsity court during the big games of the season.

There is a regulation basketball floor, with three cross courts for intramural purposes; a fourteen-lap running track, a vaulting and jumping pit on the main floor; two handball courts and a dirt floor area for the training of hurdlers, shot putters, and vaulters, and for the early work of the baseball battery men; exercise rooms, wrestling and boxing rooms, and equipment for callisthenic apparatus work. Locker rooms take care of the needs of the students. There are also offices and classrooms.

7. The Science Building.

The Department of Agriculture has a very unusual opportunity to do the work described in the departmental courses of study.

(A one-hundred-fifty-acre farm of fertile silt loam is being handled as a demonstration project. A pure-bred herd of Guernsey cattle is being raised, feeder cattle are being kept, pure seed is grown, a fine flock of laying hens is sheltered in a modern poultry house. A young orchard of good varieties of fruit is available for observation. Alfalfa fields, cover-crop demonstrations, and modern machinery are maintained.)

The Department of Biology has laboratories for special work in physiology, hygiene, general biology, botany, zoology, nature study, and agriculture. The department is in every way thoroughly equipped with the instruments and apparatus necessary for high-grade work in the various phases of biological study.

(Students of nature study have for their use the college botanical gardens, stocked with many sorts of wild and cultivated plants. There are pens of domesticated animals, and a house especially designed for bird observation. The fifty-acre wild-life preserve and other places in the neighborhood are the objectives of field excursions.)

The Department of Chemistry has laboratory supplies and equipment for four years of undergraduate work. These include some special equipment for lecture demonstrations, courses in physical chemistry and advanced analysis, an automatic thermostat, and an electric combustion furnace.

(In the chemistry section of the general library will be found many of the current chemical journals, together with a large number of works of authoritative chemists.)

The Department of Education and Psychology. For the work in psychology, all the instruments necessary for standard introductory or advanced courses are at the disposal of the student. Chronoscopes, kymographs, tachistoscopes, color mixers, ergographs, etc., constitute a part of this equipment. The department is also well supplied with excellent models of the brain and the sensory organs.

(The general library of the college contains complete files of all the more important psychological and educational journals, as well as a large list of the standard works in these and related fields.)

The Department of Geography and Geology. The equipment includes a file of the United States topographic maps; a collection of the United States Geological Survey folios; a collection of foreign topographic maps; rainfall, vegetation, physical, political, population, and economic maps; collections of rocks, minerals, and fossils; meteorological instruments; a, balopticon and several hundred slides.
The Department of Physics. This department has two lecture rooms, two well equipped laboratories for general physics, a laboratory for electrical measurements and experimental work in radio, a dark room for photometric, spectroscopic, and photographic work, as well as a shop and stock rooms.

The laboratories are adequate for experimental work in all phases of general physics. Precision instruments and precision standards are available for use in the courses in electricity and electrical measurements. An experimental radio receiver and transmitter are maintained for the study of radio problems. In these laboratories the student has ample opportunity to become familiar with the manipulation and operation of modern high-grade apparatus.

8. The Temporary Buildings. The temporary buildings are well lighted, heated, and ventilated. They provide four recitation rooms.

9. The Women's Gymnasium. For their work in physical education the women of the college now have the exclusive use of the gymnasium which was formerly shared with the men. The floor space is 119x68 feet. Sufficient apparatus is available for the needs of all physical-education activities, indoor and outdoor athletics. There is also a room equipped for remedial work. In the basement are lockers, showerbaths, and a swimming pool.
ADMISSION

Students may enroll at the opening of any term.

Entrance With Advanced Credits

Advanced credit is allowed for work done in other normal schools and colleges to the extent to which the applicant's record shows that such work is the equivalent of courses offered in the Western State Teachers College. Application for advanced standing, accompanied by credentials, should be made to the registrar.

High-School Credentials Should Be Sent in Advance

Prospective students are urged to send their high-school credits to the registrar in advance, that there may be no delay when they present themselves for registration and enrollment. Students who have not filed copies of their high-school credits in advance should present them at the time of registration. A copy of Entrance Credentials can be secured from the high-school principal.

THE ALUMNI ASSOCIATION

The Western State Teachers College Alumni Association was organized June 19, 1906, by the graduates of the first two classes of the college. Thirty classes are now associated in the organization, with a total membership of more than 12,000. The Alumni Secretary's office is in the Administration Building. In this office information regarding any alumnus or alumna may be obtained. The Kardex filing system is used; it affords an accurate method of referring to the alumni directory.

Each year headquarters are maintained at Michigan Education Association meetings, and the alumni of Western State Teachers College are urged to register and to make use of the rooms reserved for this purpose. An annual invitation goes to graduates of Western State Teachers College to return to the campus for Homecoming Day. In June, at Commencement time, there is always a banquet and reception for the alumni.

Graduates of Western State Teachers College enjoy frequent mail from the campus, informing them about various matters of mutual interest. Letters of inquiry concerning graduates, who are placed in all parts of the United States and even in foreign countries, are given prompt attention. Once each year the members of the alumni are asked to return a postcard, prepared and sent to them, to verify the records and secure additional facts in regard to schooling, degrees, marriage, children, books and magazine articles published, business records, etc. These return postcards are filed with the Kardex entry and replaced annually when the most recent card arrives.

With an organization as large as the Alumni Association of Western State Teachers College, ways and means of cultivating closer and more friendly relations among the graduates are developing rapidly. Unit organizations are encouraged in localities where there are enough members of the alumni to warrant such organization. The alumni secretary is glad to assist in any plans of this kind.

THE CAFETERIA

Teachers College maintains a cafeteria in the basement of the Training School building. Breakfasts, lunches, and dinners are served. The aim is to provide the most wholesome food at the smallest consistent cost to the students.
CREDIT FOR BAND, DEBATE, GLEE CLUB, AND ORCHESTRA WORK

1. A maximum of four term hours of academic credit annually is given for one year's regular participation in each of the following activities: Band, Debate, Glee Club, and Orchestra.

2. Twelve term hours of academic credit is the maximum allowed for participation in any one of the four activities indicated.

3. A grand total of not to exceed twelve term hours of academic credit is allowed for participation in the four activities noted.

4. Participation in Band may be substituted for physical-education credit. In such cases a maximum of two physical-education exemptions will be given for the first year of membership in the Band, and a maximum of three physical-education exemptions for membership during a succeeding year.

CREDIT RELATIONS WITH OTHER COLLEGES AND UNIVERSITIES

Graduates receiving the five-year certificate usually are granted junior standing in colleges and universities. They are able to fulfill the requirements for a degree by an additional two years of work. Senior standing usually is granted to graduates receiving a life certificate. A student who desires to earn a life certificate in the college and then complete the work for a degree in some other college or university should plan his work with the requirements of the particular institution in mind.

Admission to graduate schools is granted to students completing a four-year curriculum who have made their elections of courses conform to the requirements of such schools. Western State Teachers College is a member of the American Association of Teachers Colleges and of the North Central Association.

DEGREES AND CERTIFICATES

Although a student may enter Western State Teachers College before he is eighteen years of age, all applicants for a certificate to teach must be at least eighteen years of age and must be citizens of the United States, or have signified their intention of becoming citizens by having taken out the first papers.

Applications for degrees and certificates must be filed with the registrar early in the term in which it is desired that they be granted.

"The State Board of Education for the State of Michigan, through Western State Teachers College, confers degrees and grants teachers certificates as follows:

1. The Degree of Bachelor of Arts.
   The Degree of Bachelor of Science.


3. The Five Year Certificate, valid for five years in the Public Schools of Michigan (See Note 1).

4. The Three Year Certificate, valid for three years in the Public Schools of Michigan.

A. ACADEMIC AND RESIDENT REQUIREMENTS

1. For the Bachelor's Degree the candidate shall—
   a. present credits satisfying a prescribed curriculum and aggregating 192 term hours or four years;
   b. have satisfactorily completed in residence at this institution at least 48 term hours;
   c. have been in residence at this institution the term immediately preceding graduation;
   d. satisfy the requirements for a life certificate.
2. For the **Life Certificate** the candidate shall—
   a. present credits satisfying a prescribed curriculum and aggregating 192 term hours or four years;
   b. have satisfactorily completed in residence at this institution at least 48 term hours;
   c. have been in residence at this institution the term immediately preceding graduation.

**IMPORTANT NOTICE**

By action of the State Board of Education in November, 1931, “after June 20, 1932, no entrant to Western State Teachers College can earn credits to apply on any life certificate curriculum requiring less than 192 term hours, provided, however, that students who enter by transfer, presenting at least 8 term hours of acceptable resident credit earned before June 20, 1932, will be allowed to complete a three-year life certificate course if the work shall be accomplished before September 1, 1936. Provided further, that after September 1, 1936, no person shall be eligible for a life certificate on any curriculum requiring less than 192 term hours (4 years).”

3. “For the **Five Year Certificate** (See Note 1) the candidate shall—
   a. present credits satisfying a prescribed curriculum and aggregating 96 term hours or two years;
   b. have satisfactorily completed in residence at this institution at least 32 term hours; (See Note 2.)
   c. have been in residence at this institution the term immediately preceding graduation.

4. For the **Three Year Certificate** the candidate shall—
   a. present credits satisfying a prescribed curriculum and aggregating 56 term hours or one year and one summer session;
   b. have satisfactorily completed in residence at this institution at least 32 term hours; (See Note 3.)
   c. have been in residence at this institution the term immediately preceding graduation.

**Note.—1.** The Five Year Certificate may be extended for one period of three years provided the holder shall
   (a) make application to the college for such extension before the expiration of the certificate;
   (b) submit satisfactory evidence that he has taught successfully during the life of the certificate for not less than three years;
   (c) submit evidence that he has during the life of the certificate completed work aggregating not less than 16 term hours of acceptable credit.

**Note.—2.** (a) If the Candidate for the Five Year Certificate shall have entered from a Michigan State Teachers College or from the Detroit Teachers College with at least 16 term hours of acceptable resident credit there earned, 16 term hours shall satisfy the resident requirement at this institution.
   (b) If the candidate for the Five Year Certificate shall have entered as a graduate from a Michigan County Normal School he shall complete in residence at this institution 48 term hours.

**Note.—3.** (a) If a candidate for the Three Year Certificate shall have entered from a Michigan State Teachers College or from the Detroit Teachers College, with at least 16 term hours of acceptable resident credit there earned, 16 term hours shall satisfy the resident requirement at this institution.
   (b) If a candidate for the Three Year Certificate shall have entered as a graduate from a Michigan County Normal School he shall complete in residence at this institution 24 term hours.
Note.—4. A candidate presenting credits as a graduate of a Michigan County Normal School and who in addition thereto presents entrance credits satisfying the requirements of this institution shall be granted—

1. For the Life Certificate, 40 term hours;
2. For the Five Year Certificate, 40 term hours;
3. For the Three Year Certificate, 32 term hours."

Credits ordinarily accepted from County Normal—

1. Agriculture .................. 4 hours
2. Arithmetic .................... 4 hours
3. Art Education .................. 4 hours
4. Geography .................... 4 hours
5. Grammar (English elective) .... 4 hours
6. (U. S.) History ................. 4 hours
7. Psychology .................... 4 hours
8. Psychology of Reading .......... 4 hours
9. Teachers' Music ............... 4 hours
10. Teaching ..................... 4 hours

40 term hours]

Note.—5 “Not more than one-fourth of the number of hours necessary for any certificate or degree may be taken in extension or by correspondence. Such credit, however, cannot be applied to modify the minimum or final resident requirements.”

B. THE CURRICULA

The curricula in Western State Teachers College are planned to prepare teachers for the different departments and various phases of public-school work, and also to give students who are preparing to teach, opportunity for general higher education. Recognizing that the prospective teacher should have some opportunity to adapt his education to his peculiar ability or personal ambition, the faculty, in outlining curricula sufficiently flexible to prepare teachers for both general and special school work, has made provision for students to exercise individual preference in elective work. A prospective student should study carefully the details of the various curricula as outlined, that he may understand clearly the purposes of each. He should choose the curriculum for which he considers himself best fitted.

Specific details of the curricula for the various degrees conferred and certificates granted by Western State Teachers College appear in the annual catalog, a copy of which will be mailed on request.

The following curricula are offered:

1. Special curricula four years in length, leading to the bachelor's degree and life certificate:
   - Art
   - Art and Music
   - Business Administration
   - Commerce
   - Early Elementary
   - Home Economics
   - Junior High School
   - Later Elementary
   - Manual Arts

   Manual Arts and Physical Education
   Music
   Physical Education for Men
   Physical Education for Women
   Rural Elementary
   Rural High School
   Senior High School
   Special Education

2. Curricula two years in length leading to the five-year certificate:
   - Early Elementary
   - Junior High School
   - Later Elementary

   Rural Elementary
   Rural High School
   Senior High School
3. Curriculum one year and one summer term in length leading to the three-year certificate: Three-Year Certificate Curriculum.

4. Curriculum one year in length meeting state professional requirements: One-year Professional Training Curriculum.

**EXPENSES**

**Tuition Fees**

For residents of Michigan there is a tuition fee for the summer session of $6.00; for non-residents of Michigan the fee is $12.00. Tuition will be prorated on the basis of the number of courses taken.

Kalamazoo County students who enroll for work in rural education may attend Western State Teachers College for one year without paying fees, because counties having county normals provide for one year of free tuition, and because, by law, counties having state normals (teachers colleges) may not have county normals.

**Miscellaneous Fees**

A fee of $6.00 has been authorized for the support of student activities, health service, library purposes, subscription to the Teachers College Herald, the official weekly student publication, etc.

A student for whom no Identification Photo is on file pays an additional 25c, when such photo is taken.

**Graduation Fees**

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three-Year and Five-Year Certificate curricula</td>
<td>$2.00</td>
</tr>
<tr>
<td>Life Certificate curricula</td>
<td>3.00</td>
</tr>
<tr>
<td>Degree curricula</td>
<td>3.00</td>
</tr>
<tr>
<td>Alumni fee (paid by all graduates)</td>
<td>1.00</td>
</tr>
</tbody>
</table>

**Late Enrollment Fee**

By action of the State Board of Education, all students who enroll after opening day, June 25, will be charged an additional fee of $2.00.

**Refunds**

No refund of fees will be made after the first week of the summer session.

**ESTIMATE OF EXPENSES**

An estimate of the expenses for the summer session may be formed from the following table:

<table>
<thead>
<tr>
<th>Expense</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room (one-half of a double room)</td>
<td>$12.00 to $18.00</td>
</tr>
<tr>
<td>Board</td>
<td>27.00 to 36.00</td>
</tr>
<tr>
<td>Laundry</td>
<td>0.00 to 5.00</td>
</tr>
<tr>
<td>Textbooks and supplies</td>
<td>8.00 to 12.00</td>
</tr>
<tr>
<td>Incidents 8:00 to 12.00</td>
<td></td>
</tr>
<tr>
<td>Tuition and fees</td>
<td>12.00</td>
</tr>
</tbody>
</table>

Total for 6 weeks .......................... $67.00 $95.00

**HOUSING REGULATIONS FOR COLLEGE STUDENTS**

The college has a list of approved rooming houses on file in the offices of the deans. Students may not live in houses that are not on this list, without special permission from the deans.
Students are expected to stay the full term in the rooms first engaged, changes being made only with the approval of the deans.

The cost of room and board varies. The cost of single rooms is from $2.00 to $3.00 per week. The cost of double rooms is from $2.00 to $3.00 per week for each person. The cost of board is from $4.50 to $6.00 per week.

A deposit of the first week's rent is required of students taking a room. Payment of rent should be made weekly in advance.

EXTENSION DEPARTMENT

Through the Extension Department Western State Teachers College offers opportunities to study for credit in absentia to capable students who are unable to be in residence during the regular year. Such non-resident credit when combined with resident credit earned during a regular term or a summer session is accepted on the certificate and degree curricular requirements.

All instruction is given by members of the regular faculty in classes which meet at frequent intervals, in centers within range of the college, or by means of carefully organized courses offered by correspondence. As far as possible, courses are equivalent to corresponding resident courses.

Resident and extension work are not to be carried simultaneously.

A person is not to enroll for extension work with Western State Teachers College, if he is carrying work with any other educational institution.

Special announcements bearing on the work of the Extension Department will be mailed to those interested, if they address the Extension Director, Western State Teachers College, Kalamazoo, Mich.

HEALTH SERVICE

The aim of the Health Service is health education, i.e.: an appreciation of maximal health, with an understanding of the measures which help to maintain it. Many medical and dental problems, and problems of individual adjustment are considered daily; minor cases of indisposition are considered with preventive rather than curative medicine the purpose; at stated times a physician is at the Health Service, and examinations and consultations are available for the students. Special clinics are held from time to time, with the hours made public, that those students interested may avail themselves of the opportunities offered.

All cases of indisposition should be reported to the Health Service promptly, that diagnosis of incipient diseases may be arranged as soon as possible. The offices are in the basement of the Science Building.

These services are available to all students through the nominal fee of twenty-five cents a term paid upon enrollment.

THE HERALD

The Herald, the official weekly publication of the college, is issued each Wednesday. It chronicles the important activities of the college. From time to time, special numbers are issued. These are devoted to art, music, industrial training, athletics, co-educational activities of a special nature, and other particular college interests. Every student and faculty member is entitled to a copy weekly. The alumni give the paper cordial support.

REMUERATIVE OCCUPATION

Kalamazoo offers some opportunities for students who wish to support themselves in part during residence in the college. There are openings in a number of lines, including the care of lawns and furnaces, waiting table, care of children, assisting in housework, etc.

A woman student, working in a private home for room and board, is expected to give in ordinary housework a maximum of 30 hours a week. If she works for room only, she is expected to give 10 hours a week; if for
board only, she is expected to give 20 hours a week. The rates paid for miscellaneous work by the hour vary with the ability and speed of the worker and the type of work done.

Women should address applications for remunerative work to the Dean of Women; men should apply to the Dean of Men.

The college lunchroom offers employment to several students. Miss Grace E. Moore is in general charge of the lunchroom; to her all applications for work should be made.

**ROUTINE OF REGISTRATION, CREDITS, ETC.**

**GENERAL INSTRUCTIONS FOR ENROLLMENT**

Registration for the summer session occurs on Monday, June 25. A circular giving detailed information relative to registration may be obtained at the Information Desk.

**CLASSIFICATION OF STUDENTS**

Students at Western State Teachers College are classified officially as follows:

- **First Year**—Students credited with 0-45 term hours incl.
- **Second Year**—Students credited with 45-90 term hours incl.
- **Third Year**—Students credited with 90-138 term hours incl.
- **Fourth Year**—Students credited with more than 138 term hours.

The above classification relates to eligibility for participation:

- a) In class activities
- b) As officers
- c) In social affairs

**CREDIT IN TERM HOURS (SUMMER SESSION)**

A unit of work represents a course of study pursued for six weeks, with four double class periods of fifty minutes each per week. It is regularly recorded as four term hours of credit.

Fractional units of work are accorded credit as indicated on the term schedule of classes.

(No credit will be given for a course for which the student is not officially registered.)

**THE STANDARD STUDENT CLASS LOAD FOR THE SUMMER SESSION**

Eight term hours of work carrying academic credit is the standard student class load for a summer session. As all courses do not carry the same number of term hours of credit, the load may vary.

**EXTRA STUDIES**

No student may enroll for more than ten term hours of work carrying academic credit during the summer session without the permission of the Extra Studies Committee. Physical Education and Library Methods are not counted in term hours.

Students may make application for an extra study by securing an application blank from the chairman of the Extra Studies Committee, filling out the same, and filing the application with the chairman of the committee. Only in exceptional cases is permission granted to carry extra studies during the first term of residence.

It is deemed more desirable for a student to do work of a high grade of excellence with a normal class load than to take extra subjects with mediocre success.
IDENTIFICATION PHOTOS

When a student enrolls for the first time he is required to have taken an identification photo. One copy of the photo becomes part of the student's permanent record, another copy is given to the student to serve to identify him at college functions, while a third copy is filed in the dean's office. The charge for the photos is 25c.

MARKING SYSTEM

Each course receives one grade, which combines the results of class work and tests. Grades are indicated by letters, to each of which is given a certain value in "honor points."

<table>
<thead>
<tr>
<th>Grade</th>
<th>Significance</th>
<th>Honor Points (Per 4 term hours credit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>3</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>2</td>
</tr>
<tr>
<td>C</td>
<td>Fair</td>
<td>1</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>0</td>
</tr>
<tr>
<td>E</td>
<td>Failure</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn</td>
<td></td>
</tr>
</tbody>
</table>

The numerical value of E is -1.

The mark of I means that the student has not finished the work of the course, because of illness, unsatisfactory work, or some other excusable cause, and that he may be given opportunity to complete it.

I's **must be removed** during the next succeeding term (except when the student does not return, and then within one year) or they automatically become E's.

The mark of E means that the student has failed. E's and W's can be removed only by taking again all the work involved.

WITHDRAWAL FROM COURSES

The mark of W will be given only when the registrar issues an Official Drop Slip. If a student withdraws from a class without the registrar's permission, a mark of E (failure) will be given.

SIGNIFICANCE OF COURSE NUMBERS

Unless otherwise noted subjects numbered

1- 99 inclusive are reserved for high school students
100-199 inclusive are intended for freshmen
200-299 inclusive are not open to freshmen
300-399 inclusive are open only to juniors and seniors
400-499 inclusive are open only to seniors

The various consecutive terms in a given year subject are designated by the letters A, B and C.

Numbers of courses available through extension have Cl added to indicate class work, and Co to indicate correspondence work.

STANDARD FOR GRADUATION (HONOR POINTS)

The minimum number of honor points required of each student for graduation equals the number of four term hour subjects carried. (Usually a student in a three-year curriculum carries 36 subjects. He should earn at least 36 honor points. If he should fail in one subject, he would need to earn 37 honor points; if he should fail in three subjects, he would need to earn 39 honor points).
STUDENT ADVISORY SYSTEM

Experience has demonstrated that college students, especially beginners, need to be advised. Immediately upon registration each freshman is assigned to the Freshman Adviser, with whom he consults relative to the details of the curriculum he wishes to pursue, sequence of studies, etc., etc. The adviser plans with him his daily program for the following term. Being advised is required of all freshmen.

Required departmental advising for seniors and juniors was begun on an experimental basis in November, 1933.

RURAL EDUCATION

Public opinion is asking equal minimum standards of academic and professional preparation for all beginning public-school teachers. A state-wide requirement of at least two years of preparation in addition to high-school graduation should be anticipated by all beginning teachers in Michigan.

Since its establishment, Western State Teachers College has made provision for the special differentiation considered essential for the preparation of teachers for one-teacher, consolidated, and village schools. Curricula leading to a life certificate and a degree are offered, as well as those requiring less than four years of college work. Students preparing for positions in rural high schools are given the privilege of selecting courses from a number of fields, in view of the diversity of subjects they may be expected to teach. Arrangements are also made for rural students who desire to specialize in agriculture or agriculture and manual arts.

Subjects adapted to the needs of rural-school administrators—county commissioners, principals, and superintendents—county normal principals and critics, and supervisors and helping teachers are available in the summer session.

Two consolidated schools and a one-teacher school provide practice-teaching facilities for students enrolled during the regular school year. Affiliation with six typical one-teacher schools furnishes additional laboratory opportunities for advanced students interested in administration and supervision.

The enrollment and direction of students who are interested in teaching, administrative, and supervisory positions in rural, village, and consolidated schools, and the promotion of knowledge about and interest in rural education, both within and without the college, are functions of the Department of Rural Education.

BURNHAM RURAL LIFE FUND

Commemorating the twenty-fifth anniversary of Dr. Ernest Burnham's work at Western State Teachers College as the pioneer in rural education in teachers colleges in America, his students, colleagues, and friends established the Burnham Rural Life Fund. A part of this fund has been used to supplement the collection of books on rural life and education in the college library; the remainder has been invested to yield an annual income which may be used for the purchase of additional books, for scholarships in the Department of Rural Education, or for such services in behalf of rural life as the committee in charge shall consider of most value.

COUNTY COMMISSIONERS' SUMMER CONFERENCE

A conference is called of the county school commissioners of Southwestern Michigan during the early part of the summer session to consider their professional problems. These meetings usually include reports of progress by the different commissioners and representatives of the State Department of Public Instruction, supplemented by addresses by one or more speakers of national reputation. This meeting gives commissioners a splendid opportunity to meet the teachers from their counties in attendance at the summer session.
SCHOLARSHIP AND MEMORIAL FUNDS

The Fannie Ballou Memorial Fund, founded in 1921, in honor of Fannie Ballou, who was for seven years supervisor of the second grade of the Training School, is administered as a loan fund. Loans are awarded to persons of superior ability in the field of elementary education who have completed at least one year of resident work in this college. Preference is given to students in the Department of Early Elementary Education. The administration of this fund is in charge of the Loan Fund Committee.

The Debate Scholarship and Loan Fund. In the fall of 1920, the four debating organizations on the campus, the Academy, the Forum, the Senate and the Tribunal, combined to start a fund which should be available for loans to worthy debaters, and which should eventually be used to award scholarships to debaters. The fund has now passed the fifteen hundred-dollar mark, and has been instrumental in making it possible for several debaters to remain in college. The money is administered as a trust fund, and is under the management of the Forensic Board of Control.

The Goldsworthy Scholarship, founded by Amelia Goldsworthy, former head of the Department of Art, provides funds to aid worthy students who give promise in art.

The Katherine Mulry Johnson Scholarships were founded in 1926 by Mrs. Johnson, for some time supervisor of the sixth grade in the Training School and later a member of the Department of History of Western State Teachers College, in honor of her mother. These scholarships are awarded annually by a committee from the Department of History to two upper-class women students of superior ability who plan to become teachers of history.

The Matie Lee Jones Memorial Loan Fund, founded in 1929 in honor of Matie Lee Jones, who organized the Department of Physical Education for Women, is available to women students. The fund is administered through a committee consisting of the officers and the faculty advisers of the Women's League.

SPECIAL FEATURES

ADVANCED PROFESSIONAL COURSES OF INTEREST TO EXPERIENCED TEACHERS AND ADMINISTRATORS

The Department of Education and Psychology announces several courses of special interest to experienced teachers who desire training for supervisory and administrative work. Details of these courses are given on pages 61-63. Various departments offer courses dealing with the teaching of their particular subjects.

ART COLLECTION

An interesting collection of pictures, porcelains, rare books, and manuscripts gathered through many years by the late Honorable Albert M. Todd is on exhibition in the Library Building.

BUREAU OF EDUCATIONAL MEASUREMENT AND RESEARCH

The Bureau of Educational Measurement and Research of Western State Teachers College has been established for a three-fold purpose: (1) to direct and co-ordinate the measurement and research activities of the training school and the Teachers College; (2) to aid in the more adequate preparation of teachers for participation in measurement work; (3) to aid schools and school systems of the state in carrying forward testing programs and experimental work.

The Bureau has on hand a large number of intelligence and educational tests to serve as sample and informational material. It will answer questions relating to measurement and research activities; it carries on statistical work.
necessary to answer questions relative to educational problems; it edits bulletins of information concerning educational problems; it conducts the intelligence examinations of students of the Teachers College; it will send representatives to visit schools and school systems which wish to begin testing for the purpose of instructing teachers, demonstrating the methods of testing, and actually conducting mental-educational surveys.

CO-OPERATIVE STORE

The Co-operative Store not only serves as a convenience to people on the campus, but also furnishes employment for a number of worthy students. Service is the keynote of the store and every effort is put forth to keep necessary supplies on hand for regular class work, thereby saving students much time each day.

LECTURES, ENTERTAINMENTS, EXCURSIONS, CONFERENCES

Four evening entertainments will be offered to summer session students. In addition, lectures, travelogues, round-table discussions, and conferences with different faculty members will be held, usually in the late afternoon, and will be open to all students interested. Week-end trips outside of the city and mid-week excursions to places of interest in Kalamazoo are planned on a definite schedule. A faculty reception, dancing parties, and afternoon teas are social features of former summer sessions to be repeated in 1934. Announcement of each event will be made in the Teachers College Herald.

ORCHESTRA

An orchestra under expert conducting will be organized. Those interested in joining are urged to bring their own instruments, although the college provides the larger pieces.

PHYSICAL EDUCATION

Every student is required to participate in some form of physical education, approved by the Department of Physical Education, which is in keeping with the condition and physical needs of the individual. It is hoped that as a result right habits and attitudes of recreation will be developed which will be followed after college days are over.

Western has excellent physical education facilities: two large gymnasiums, several tennis courts, a splendid gridiron covered with an excellent turf, a baseball field, a quarter-mile cinder running track, and other play fields for the use of soccer, hockey, speedball, and baseball players.

School for Athletic Coaches

The Department of Physical Education for Men offers each summer a number of courses particularly designed to render service to coaches and prospective coaches who are unable to take the work of the department during the other terms, or who wish to supplement and bring their training up to date.

RECREATIONAL OPPORTUNITIES

Kalamazoo is in the heart of the southwestern Michigan glacial-lake country, and opportunities for diversion are numerous: picnicking on the wooded hillsides and the shores of the numerous accessible lakes, swimming, and boating are popular pastimes. Students are given free instruction in tennis on the eight campus courts. The city golf links are within one mile of the campus. Bus service to them is frequent. Summer students may have the use of the links by payment of the customary greens fee. Bus and train service makes possible a day's outing on the shore of Lake Michigan. Through various social functions every effort is put forth to further mutual acquaintance of faculty and students.
STUDENT LOAN FUND

In September, 1912, the nucleus of a student loan fund was established by the gift of $200 from Miss Blanche Hull. This fund has been increased to a total of several thousand dollars. Money is loaned to deserving students on the recommendation of a faculty committee. A low interest rate of five per cent is charged. Notes are given for not to exceed one year. Applications for loans should be made to the Student Loan Fund Committee. The Registrar is chairman.

SCHOLARSHIP STANDARDS

High Scholarship List: To have his name placed on a term's High Scholarship List a freshman must have earned at least $10\frac{1}{2}$ honor points; and an upper classman, at least $10\frac{1}{2}$ honor points. No grade below B may be counted. Not more than five term hours of B credit may be counted. Grades for non-credit courses (Library Methods, Physical Education, etc.) are not to be considered.

STUDENT WELFARE

Conduct in harmony with the ideals for which the institution stands is expected of each student. Effort is made to stimulate the student to earnest, honest endeavor, and to develop new and worthy interests. In order to foster his best impulses and ideals, the administration follows the policy of dealing with him as an individual. In the furtherance of this policy, a Dean of Women and a Dean of Men devote their time to matters pertaining to the welfare of the student body. They may be consulted freely on any matter in which they can be of assistance.

The college has never assumed an attitude of paternalism toward its students. However, on the assumption that the student has entered the institution for the definite purpose of educational advancement, regularity of class attendance, reasonable evening hours, and a sane social program are required.

TRAINING SCHOOL FACILITIES

The Campus Training School will be operated for the summer session. The kindergarten and grades one to eight inclusive will be open from 8:30 to 11:00 A. M. in charge of regular grade and special supervisors. A limited amount of practice teaching will be offered for students not in residence during other terms, or who can complete the work for a life certificate. Three grades will be designated as demonstration rooms, for observation and discussion courses. A few practice-teaching assignments will be made in the city summer schools in junior-high classes. Application for enrollment for practice teaching should be made to the Director well in advance of the opening of the summer session.

WILD LIFE PRESERVE

In 1922, the late Mrs. Caroline G. Kleinstueck deeded to the State Board of Education nearly fifty acres of woodland and grassland, about a mile from the campus, to be used as a wild-life preserve. The preserve is under the supervision of Western State Teachers College, but may be used by any educational institution of this locality.
DETAILS OF CURRICULA

GENERAL REGULATIONS

In studying the following details with regard to the general and specific requirements for degrees and certificates, the reader should keep these facts in mind:

(1) The outlines of requirements for the life certificate and the degree on a four-year basis are in accord with a recent ruling of the State Board of Education, requiring that students who do not present at least eight term hours of acceptable college credit previous to June 20, 1932, must present 192 term hours of credit for a life certificate.

(2) The four-year requirements for the life certificate are not retroactive; that is, a student who has begun his work for a life certificate on the three-year basis will be able to complete his work for the life certificate on that basis, provided he shall have accomplished this work before September 1, 1936. Such students should refer to the 1931-32 catalog for requirements.

(3) It is still possible for a student to obtain a five-year certificate from this institution in the following fields: Early Elementary, Later Elementary, Junior High School, Senior High School, Rural Elementary, and Rural High School. This five-year certificate may be granted at the end of two years of work taken with the advice and consent of the advisers in charge of these particular departments of specialization.

(4) A curriculum one year and one summer term in length, leading to the three-year certificate, and a curriculum one year in length, meeting the State minimum professional requirements, are provided.

I. Degrees and Life Certificates.

A student fulfilling all general and specific requirements for graduation from a four-year curriculum offered at Western State Teachers College will be recommended by the Committee on Certification for the Life Certificate, in addition to the degree of Bachelor of Arts or of Bachelor of Science. Ordinarily a student will receive the degree of Bachelor of Arts. A student completing satisfactorily at least 72-term hours of work in mathematics and science may elect to receive the degree of Bachelor of Science. Special distinction, to be recorded on the diploma, may be earned by a student under the provisions of the rules adopted by the Committee on Certification.

II. Credit Hours and Honor Points.

A student who has met all general requirements and in addition specific requirements for some curriculum involving a minimum of 192 term hours of work including at least as many honor points as four term hours subjects carried and who also satisfies the Committee on Certification that he possesses good health, distinctive moral character, acceptable personality, along with recognized scholarship, teaching abilities and interests, will be recommended for graduation with a life certificate in addition to a degree.
III. General Requirements.

1. A student presenting himself as a candidate for graduation must, in addition to all other requirements, offer minimum amounts of credit from the following groups:

   A. Rhetoric ................................................................. 12 term hours
   B. Economics, History, Political Science, Sociology .................. 20 term hours
   C. Ancient Language, English Language, Modern Language (in addition to A above) ......................... 20 term hours
   D. Biology, Chemistry, Geography, Geology, Mathematics, Physics ................................................ 20 term hours
   E. General Psychology ..................................................... 5 term hours
   F. Education ............................................................... 20 term hours
   G. Practice Teaching ...................................................... 12 term hours

   N. B. Isolated courses may not be counted as satisfying conditions of the requirements in groups B, C, and D.

2. To complete the minimum requirement of 192 term hours for graduation, a student may elect courses regularly offered by the various departments of the college, subject only to the following regulations:

   a) Not more than 64 term hours may be elected from any department.
   b) A candidate for graduation must present (1) a major sequence of at least thirty-six (36) term hours of consecutive, coherent courses chosen from a department or from related departments; and (2) a minor sequence of at least twenty-four (24) hours of consecutive, coherent courses chosen from a department or from related departments.

IV. Minimum Resident Requirement.

No candidate for graduation will be recommended by the Committee on Certification, unless (1) he has spent at least thirty-six weeks in residence at Western State Teachers College; (2) unless he has earned during that period at least 48 term hours of credit; and (3) unless he has been in residence the term immediately preceding graduation.

V. Practice Teaching Regulations.

1. A student expecting to apply for permission to do practice teaching must have filed with the registrar, at least one term in advance, a program of the work already completed and a tentative program of the work he wishes to carry subsequently. It is desirable that this statement be filed before the end of the sophomore year, if possible.

2. A student will not be permitted to carry practice teaching if he is deficient in honor points.

3. A candidate for a life certificate must have completed at least three (3) terms of practice teaching (4 term hours each).

VI. Additional Restrictions.

1. At least half of the work beyond forty-eight (48) hours of acceptable credit must be in courses not open to freshmen.

2. Seniors should not enroll in courses open to freshmen.
VII. Regulations Governing Freshmen.

1. A freshman must carry Rhetoric 104A, 104B, and 104C.

2. A freshman may elect other courses, subject only to the following conditions:
   a) At least seven term hours must be chosen from the departments of:
      1. Agriculture
      2. Ancient Languages
      3. Biology
      4. Chemistry
      5. Economics
      6. English
      7. Geography
      8. History
      9. Mathematics
     10. Modern Languages
     11. Physics
     12. Speech

3. Not more than five term hours of work may be elected from all other departments.

4. Not more than five term hours of work may be elected from the same department. (Rhetoric excepted)
The curricula in Western State Teachers College are planned to prepare teachers for the different departments and various phases of public-school work, and also to give students who are preparing to teach opportunity for general higher education. Recognizing that the prospective teacher should have some opportunity to adapt his education to his peculiar ability or personal ambition, the faculty, in outlining curricula sufficiently flexible to prepare teachers for both general and special school work, has made provision for students to exercise individual preference in elective work. A prospective student should study carefully the details of the various curricula as outlined, that he may understand clearly the purposes of each. He should choose the curriculum for which he considers himself best fitted.

Specific details of the curricula for the various degrees conferred and certificates granted by Western State Teachers College appear in this publication as follows:

1. Special curricula four years in length leading to the bachelor's degree and life certificate:

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>37</td>
</tr>
<tr>
<td>Art and Music</td>
<td>38</td>
</tr>
<tr>
<td>Business Administration</td>
<td>39</td>
</tr>
<tr>
<td>Commerce</td>
<td>40</td>
</tr>
<tr>
<td>Early Elementary</td>
<td>41</td>
</tr>
<tr>
<td>Home Economics</td>
<td>42</td>
</tr>
<tr>
<td>Junior High School</td>
<td>43</td>
</tr>
<tr>
<td>Later Elementary</td>
<td>44</td>
</tr>
<tr>
<td>Manual Arts</td>
<td>45</td>
</tr>
<tr>
<td>Manual Arts and Physical Education</td>
<td>46</td>
</tr>
<tr>
<td>Music</td>
<td>47</td>
</tr>
<tr>
<td>Physical Education for Men</td>
<td>48</td>
</tr>
<tr>
<td>Physical Education for Women</td>
<td>49</td>
</tr>
<tr>
<td>Rural Elementary</td>
<td>50</td>
</tr>
<tr>
<td>Rural High School</td>
<td>51</td>
</tr>
<tr>
<td>Senior High School</td>
<td>52</td>
</tr>
<tr>
<td>Special Education</td>
<td>53</td>
</tr>
</tbody>
</table>

2. Curricula two years in length leading to the Five-Year Certificate:

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Elementary</td>
<td>41</td>
</tr>
<tr>
<td>Junior High School</td>
<td>42</td>
</tr>
<tr>
<td>Later Elementary</td>
<td>43</td>
</tr>
<tr>
<td>Rural Elementary</td>
<td>44</td>
</tr>
<tr>
<td>Rural High School</td>
<td>45</td>
</tr>
<tr>
<td>Senior High School</td>
<td>46</td>
</tr>
</tbody>
</table>

3. Curriculum one year and one summer term in length leading to the Three-Year Certificate:


4. Curriculum one year in length meeting state professional requirements:

One-Year Professional Training Curriculum, page 53.

For details of the requirements in professional training for teachers in the State of Michigan and the conditions under which the student may receive a certificate after having completed the curriculum outlined, the reader is referred to page 23 of this publication.
ART CURRICULUM
(For the Preparation of Teachers and Supervisors of Art)

A. Rhetoric ........................................... 12 term hours
B. Economics, History, Political Science, Sociology .......... 20 term hours
C. Ancient Language, English Language, Modern Language
   (in addition to A above) .................................. 20 term hours
D. Biology, Chemistry, Geology, Geography, Mathematics,
   Physics .............................................. 20 term hours
E. General Psychology 200 ................................ 5 term hours
F. Education
   Educational Psychology 203A, B .......................... 6 term hours
   Principles of Teaching 230 ................................ 3 term hours
   History of Educational Thought 433 ...................... 4 term hours
   Art Observation 206 .................................... 4 term hours
   Art Supervision 313 .................................... 4 term hours
   Practice Teaching 301, 302, 303 ............................ 12 term hours
G. Art
   Teachers' Art 102 ...................................... 4 term hours
   Industrial Art 103 ..................................... 4 term hours
   Elementary Design 109 ................................... 4 term hours
   Figure Drawing 205 ..................................... 4 term hours
   Art Composition 208 .................................... 4 term hours
   History of Art 211 A, B ................................ 8 term hours
   Demonstration Drawing 207 ............................... 4 term hours
   Commercial Art 214 .................................... 4 term hours
   Advanced Design 309 .................................... 4 term hours
   Advanced Figure Drawing 304 ............................. 4 term hours
   Advanced Art Composition 308 ............................. 4 term hours
   Art Electives ........................................... 16 term hours
H. Electives (not in Art) .................................... 18 term hours
I. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one individual
   sport and one team sport.
ART AND MUSIC CURRICULUM
(For the Preparation of Teachers of Art and Music)

A. Rhetoric ................................................................. 12 term hours

B. Economics, History, Political Science, Sociology ................................. 20 term hours

C. Ancient Language, English Language, Modern Language
   (in addition to A above) ........................................ 20 term hours

D. Biology, Chemistry, Geography, Geology, Mathematics,
   Physics ................................................................ 20 term hours

E. General Psychology 200 .............................................. 5 term hours

F. Education:
   Educational Psychology 203 A, B .................................... 6 term hours
   Principles of Teaching 230 ......................................... 3 term hours
   History of Educational Thought 433 ................................ 4 term hours
   Art Observation 206 .................................................. 4 term hours
   Art Supervision 313 .................................................. 4 term hours
   Music Education 206 A, B, C ....................................... 12 term hours
   Practice Teaching 301, 302, 303 ................................... 12 term hours

G. Art:
   Teachers' Art 102 ....................................................... 4 term hours
   Industrial Art 103 .................................................... 4 term hours
   Elementary Design 109 ................................................. 4 term hours
   Figure Drawing 205 ................................................... 4 term hours
   Demonstration Drawing 207 ........................................... 4 term hours
   Art Composition 208 .................................................. 4 term hours
   History of Art 211B .................................................... 4 term hours
   Advanced Art Composition 308 ....................................... 4 term hours

Music:
   Fundamentals of Music 101 A, B, C ................................ 12 term hours
   Voice Culture 116 A, B ............................................... 4 term hours
   Harmony 209 A, B ..................................................... 8 term hours
   Modern Composers 212B or
   Music Appreciation 212C ............................................ 4 term hours

H. Electives ...................................................................... 10 term hours

I. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one individual
   sport and one team sport.
BUSINESS ADMINISTRATION CURRICULUM
(For the Preparation of Teachers of Economics and for General Business Education)

A. Rhetoric ......................................................... 12 term hours

B. Economics:
   Principles of Economics 201 A, B ............................. 8 term hours
   Financial Organization 202 .................................... 4 term hours
   General Business Administration 302 ....................... 4 term hours
   Corporations 303 ................................................. 4 term hours
   Marketing 304 A, B ............................................ 6 term hours
   Transportation 305 A, B, C .................................. 6 term hours
   Business and Government 306 ................................. 4 term hours

History and Political Science:
   United States History 201C, (201 A, B elective) .......... 4 term hours
   Economic Development of the United States 303 .......... 4 term hours
   Political Science 201 A, B, C ................................ 12 term hours

C. Ancient Language, English Language, Modern Language
   (In addition to A above) ....................................... 20 term hours

D. Laboratory Science:
   Chemistry, Physics, Geology, Botany, Biology ............ 12 term hours

Mathematics:
   100 A, B, C; or 103 A, B, C; or 104 A, B, C ............. 12-15 term hours

E. General Psychology 200 ......................................... 5 term hours

F. Education:
   Educational Psychology 203 A, B .............................. 6 term hours
   Principles of Teaching 230 ..................................... 3 term hours
   Introduction to Statistics 251 ................................ 4 term hours
   Practice Teaching 301, 302, 303 ............................. 12 term hours
   History of Educational Thought 483 ......................... 4 term hours
   Teaching of Handwriting 100 .................................. 2 term hours

G. Commerce:
   Accounting 201 A, B, C ........................................ 12 term hours
   Business Law 304, A, B, C ..................................... 9 term hours

H. Electives ......................................................... 20-23 term hours

I. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms
# COMMERCE CURRICULUM

*(For the Preparation of Teachers of Commerce)*

<table>
<thead>
<tr>
<th>A. Rhetoric</th>
<th>12 term hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Economics:</td>
<td></td>
</tr>
<tr>
<td>Principles of Economics 201 A, B</td>
<td>8 term hours</td>
</tr>
<tr>
<td>Financial Organization 202</td>
<td>4 term hours</td>
</tr>
<tr>
<td>Electives from third or fourth year courses</td>
<td>12 term hours</td>
</tr>
<tr>
<td>C. Ancient Language, English Language, Modern Language, (in addition to A above)</td>
<td>20 term hours</td>
</tr>
<tr>
<td>D. Science and Mathematics:</td>
<td></td>
</tr>
<tr>
<td>Year sequence in Biology, Chemistry, Geology, Geography, Mathematics, Physics</td>
<td>12 term hours</td>
</tr>
<tr>
<td>Elective</td>
<td>8 term hours</td>
</tr>
<tr>
<td>E. General Psychology 200</td>
<td>5 term hours</td>
</tr>
<tr>
<td>F. Education:</td>
<td></td>
</tr>
<tr>
<td>Educational Psychology 203 A, B</td>
<td>6 term hours</td>
</tr>
<tr>
<td>Principles of Teaching 230</td>
<td>3 term hours</td>
</tr>
<tr>
<td>History of Educational Thought 433</td>
<td>4 term hours</td>
</tr>
<tr>
<td>Principles of Secondary Commercial Education 305</td>
<td>3 term hours</td>
</tr>
<tr>
<td>Practice Teaching 301, 302, 303</td>
<td>12 term hours</td>
</tr>
<tr>
<td>Teaching of Shorthand and Typewriting 202</td>
<td>2 term hours</td>
</tr>
<tr>
<td>Teaching of Bookkeeping 204</td>
<td>2 term hours</td>
</tr>
<tr>
<td>Teaching of Junior Business Science 205</td>
<td>2 term hours</td>
</tr>
<tr>
<td>Teaching of Handwriting 100</td>
<td>2 term hours</td>
</tr>
<tr>
<td>G. Commerce:</td>
<td></td>
</tr>
<tr>
<td>Shorthand and Typewriting 102 A, B, C</td>
<td>12 term hours</td>
</tr>
<tr>
<td>Accounting 201 A, B, C</td>
<td>12 term hours</td>
</tr>
<tr>
<td>Accounting 301, 302, or 303</td>
<td>4 term hours</td>
</tr>
<tr>
<td>Business Law 304 A, B, C</td>
<td>9 term hours</td>
</tr>
<tr>
<td>H. Electives</td>
<td>38 term hours</td>
</tr>
<tr>
<td>I. Required of all students in addition:</td>
<td></td>
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<tr>
<td>Library Methods</td>
<td></td>
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<tr>
<td>Physical Education: 5 terms. Women must include one individual sport and one team sport.</td>
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EARLY ELEMENTARY CURRICULUM

(For the Preparation of Teachers of the Kindergarten and of Grades 1 and 2)

A. Rhetoric ................................................. 12 term hours
B. Economics, History, Political Science ........................ 20 term hours
C. Ancient Language, English Language, Modern Language,
   (in addition to A above) ........................................ 20 term hours
D. Science and Mathematics:
   Biology, Chemistry, Geography, Geology, Mathematics,
   Physics ...................................................... 20 term hours
   Nature Study 231 ........................................... 4 term hours
E. General Psychology 200 ..................................... 5 term hours
F. Education:
   Educational Psychology 203 A, B ............................ 6 term hours
   Principles of Teaching 250 .................................. 3 term hours
   Psychology of Reading 212 .................................. 4 term hours
   History of Educational Thought 433 ........................ 4 term hours
   Early Elementary Education 140, 241A, 241B .................. 12 term hours
   Stories for Childhood 242 .................................. 4 term hours
   Psychology of Childhood 240 ................................ 4 term hours
   Teaching of Handwriting 100 ................................ 2 term hours
   Practice Teaching 301, 302, 303 ............................ 12 term hours
   One of the following:
      Early Elementary Problems 441 ............................ 3 term hours
      Parent Education 442 .................................... 3 term hours
      Nursery School Education 443 ............................. 3 term hours
G. Requirements in other departments:
   Teachers' Art 102 .......................................... 4 term hours
   Illustrative Handwork 107 ................................... 4 term hours
   Music 104 .................................................... 4 term hours
   Speech 101 A, B .............................................. 8 term hours
H. Electives ....................................................... 37 term hours
I. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms, including one individual sport, one team
   sport, and course 230.

Students who complete 96 term hours of work in this curriculum under the
direction and advice of the curriculum counselor may be granted a five-year
certificate.
HOME ECONOMICS CURRICULUM
(For the Preparation of Teachers and Supervisors of Home Economics)

A. Rhetoric .................................................. 12 term hours

B. Economics, History, Political Science, Sociology ............. 20 term hours

C. Ancient Language, English Language, Modern Language
   (in addition to A above) .................................. 20 term hours

D. Science and Mathematics:
   Chemistry 103 A, B, C, and 203 ...................... 16 term hours
   Biology 201 ............................................. 4 term hours
   Physiology 211C ........................................ 4 term hours

E. General Psychology 200 .................................. 5 term hours

F. Education:
   Educational Psychology 203 A, B ...................... 6 term hours
   Principles of Teaching 230 .......................... 3 term hours
   History of Educational Thought 433 .............. 4 term hours
   Home Economics Education 209 ..................... 4 term hours
   Home Economics Education 409 ..................... 3 term hours
   Practice Teaching 301, 302, 303 .................. 12 term hours

G. Home Economics:
   Introductory Home Economics 101, 102 ................ 4 term hours
   Clothing 103 and 205 .................................. 8 term hours
   Foods 104 and 312 .................................... 8 term hours
   Home Management 306 .................................. 4 term hours
   Nutrition 206 .......................................... 4 term hours
   Electives in Home Economics (or related departments) .. 20 term hours

H. Requirements in other departments:
   Costume Design 110 .................................... 4 term hours
   Home Furnishing 210 ................................... 4 term hours
   Home Mechanics 300 ................................... 2 term hours

I. Electives .................................................. 21 term hours

J. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms, including one individual sport and one
   team sport.
JUNIOR HIGH SCHOOL CURRICULUM
(For the Preparation of Teachers of Grades 7, 8, and 9)

A. Rhetoric .................................................. 12 term hours
B. Economics, History, Political Science, Sociology .......... 20 term hours
C. Ancient Language, English Language, Modern Language
   (in addition to A above) .................................. 20 term hours
D. Biology, Chemistry, Geography, Geology, Mathematics,
   Physics .................................................. 20 term hours
E. General Psychology 200 .................................. 5 term hours
F. Education:
   Educational Psychology 203 A, B ......................... 6 term hours
   Principles of Teaching 230 ................................ 3 term hours
   History of Educational Thought 433 ....................... 4 term hours
   Junior High School Education 320 ....................... 4 term hours
   Teaching of Handwriting 100 ............................ 2 term hours
   Special Methods, (e.g. Teaching of Geography) .......... 4 term hours
   Practice Teaching 301, 302, 303 ........................ 12 term hours
G. One major sequence, consisting of 36 term hours
H. One minor sequence, consisting of 24 term hours, in another subject
I. At least two sequences, other than the major and minor, consisting of
   12 term hours each
J. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one individual
   sport, one team sport, and course 232.

Students who complete 96 term hours of work in this curriculum under the
direction and advice of the curriculum counselor may be granted a five-year
certificate.
LATER ELEMENTARY CURRICULUM
(For the Preparation of Teachers of Grades 3, 4, 5, and 6)

A. Rhetoric .............................................. 12 term hours

B. Economics, History, Political Science, Sociology ........ 24 term hours

C. Ancient Language, English Language, Modern Language
   (in addition to A above) ......................... 20 term hours
   Literature for Children 203 ..................... 4 term hours

D. Science and Mathematics:
   Biology, Chemistry, Geology, Mathematics, Physics .... 12 term hours
   Geography ........................................... 12 term hours
   Nature Study 231, 232, or 233 ................... 4 term hours
   Hygiene 112 ........................................... 4 term hours

E. General Psychology 200 ................................ 5 term hours

F. Education:
   Educational Psychology 203 A, B .................. 6 term hours
   Principles of Teaching 230 ....................... 3 term hours
   Psychology of Reading 212 ...................... 4 term hours
   Teaching of Handwriting 100 ..................... 2 term hours
   Later Elementary Education 211 .................. 4 term hours
   History of Educational Thought 433 ............. 4 term hours
   Practice Teaching 301, 302, 303 ................ 4 term hours

G. Any three of the following that are in the line of a major
   interest:
   Arithmetic 101 ..................................... 4 term hours
   Teaching of Geography in Grades 212 ............. 4 term hours
   Teaching of the Social Studies 202 .............. 4 term hours
   Music 105 .......................................... 4 term hours
   Teachers' Art 102 ................................... 4 term hours

H. Electives ............................................. 48 term hours

I. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms, including one individual sport, one team
   sport, and course 231.

Students who complete 96 term hours of work in this curriculum under the
direction and advice of the curriculum counselor may be granted a five-year
certificate.
MANUAL ARTS CURRICULUM

(For the Preparation of Teachers and Supervisors of Manual Arts)

A. Rhetoric ........................................... 12 term hours
B. Economics, History, Political Science, Sociology ........ 20 term hours
C. Ancient Language, English Language, Modern Language (in addition to A above) ....... 20 term hours
D. Biology, Chemistry, Geography, Geology, Mathematics Physics ........................................... 20 term hours
E. General Psychology 200 ................................... 5 term hours
F. Education:
   Educational Psychology 203 A, B .................. 6 term hours
   Principles of Teaching 230 .......................... 3 term hours
   History of Educational Thought 433 ................. 4 term hours
   Teaching of Manual Arts 302 ......................... 4 term hours
   Vocational Education 260 ............................ 3 term hours
   Practice Teaching 301, 302, 303 .................... 12 term hours
G. Manual Arts:
   Printing 116A ......................................... 4 term hours
   Mechanical Drawing 111 A, B ...................... 8 term hours
   General Shop 212 ..................................... 4 term hours
   Advanced Benchwork 103A ............................ 4 term hours
   Woodfinishing 207 .................................... 4 term hours
   Sheet Metal 108, 222, or 224A ...................... 4 term hours
   Shop Organization 301 ................................ 2 term hours
   Electives ............................................ 20 term hours
H. Electives (not in Manual Arts) .............................. 33 term hours
I. Non-credit courses required of all students:
   Library Methods
   Physical Education: 5 terms

Note—
1. Students who enter without high-school physics must elect Physics 100 A, B, C.
2. Woodshop 99 and Mechanical Drawing 98 are required of all students who have not had similar work in high schools.
3. Ordinarily students will be required to take Applied Mathematics 112 and Physics 160. Those who elect a year of college physics are not required to take either Mathematics 112 or Physics 160. Those who elect a year of college mathematics are not required to take Applied Mathematics 112.
MANUAL ARTS AND PHYSICAL EDUCATION CURRICULUM
(For the Preparation of Teachers of Manual Arts and Physical Education)

A. Rhetoric .......................................................... 12 term hours
B. Economics, History, Political Science, Sociology ........... 20 term hours
C. Ancient Language, English Language, Modern Language
   (in addition to A above) ........................................ 20 term hours
D. Biology, Chemistry, Geography, Geology, Mathematics,
   Physics .......................................................... 20 term hours
E. General Psychology 200 ........................................ 5 term hours
F. Education:
   Educational Psychology 203 A, B ................................ 6 term hours
   Principles of Teaching 230 .................................... 3 term hours
   History of Educational Thought 433 ......................... 4 term hours
   Teaching of Manual Arts 302 .................................. 4 term hours
   Psychology of Coaching 210 .................................... 3 term hours
   Organization and Administration of Physical Educa-
   tion 404 .......................................................... 4 term hours
   Vocational Education 260 ....................................... 3 term hours
   Practice Teaching 301, 302, 303 .............................. 12 term hours
G. Manual Arts:
   Drawing 111A .................................................... 4 term hours
   General Shop 112 ............................................... 4 term hours
   Advanced Benchwork 103 ....................................... 4 term hours
   Woodfinishing 207 .............................................. 4 term hours
   General Metal 108 ............................................... 4 term hours
   Printing 116A .................................................... 4 term hours
   Physical Education:
   Football Technique 313 ......................................... 3 term hours
   Basketball Technique 315 ...................................... 3 term hours
   Baseball Technique 317 ........................................ 3 term hours
   Track and Field Technique 319 ................................. 3 term hours
   First Aid and Athletic Training 205 ......................... 4 term hours
   Physical Education 121 A, B, C ................................ 3 term hours
   Physical Education 221 A, B, C ................................ 3 term hours
   Elective .......................................................... 2 term hours
H. Electives in either Manual Arts or Physical Education ...... 12 term hours
I. Electives (not in Manual Arts or Physical Education)—16 term hours
J. Non-credit course required of all students:
   Library Methods
MUSIC CURRICULUM

(For the Preparation of Teachers and Supervisors of Music)

A. Rhetoric .................................................12 term hours

B. Economics, History, Political Science, Sociology ...........20 term hours

C. Ancient Language, English Language, Modern Language
   (in addition to A above) ..................................20 term hours

D. Biology, Chemistry, Geology, Geography, Mathematics,
   Physics ..................................................20 term hours

E. General Psychology 200 ....................................5 term hours

F. Education:
   Educational Psychology 203 A, B .......................6 term hours
   Principles of Teaching 230 ...............................3 term hours
   History of Educational Thought 433 ....................4 term hours
   Music Education 206 A, B, C ...........................9 term hours
   Practice Teaching 301, 302, 303 .......................12 term hours

G. Music:
   Fundamentals of Music 101 A, B, C .......................9 term hours
   Voice Culture 116 A, B, C; 216 A, B, C ...............12 term hours
   Harmony 209 A, B, C .....................................12 term hours
   Ancient and Medieval Music 212A ....................4 term hours
   Modern Composers 212B ..................................4 term hours
   Musical Appreciation 212C ..............................4 term hours
   Musical Composition and Analysis 320 A, B, C .......12 term hours
   (An elective in music may be substituted)
   Orchestration 331A .......................................4 term hours

H. Electives (not in Music) ..................................20 term hours

I. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one individual
   sport and one team sport.
PHYSICAL EDUCATION FOR MEN CURRICULUM
(For the Preparation of Teachers and Supervisors of Physical Education for Men)

A. Rhetoric .................................................. 12 term hours
B. Economics, History, Political Science, Sociology .................. 20 term hours
C. Ancient Language, English Language, Modern Language
   (in addition to A above) .................................. 20 term hours
D. Science:
   General Biology 101 A, B .................................. 8 term hours
   Hygiene 112 ................................................. 4 term hours
   Anatomy 211 A, B ......................................... 8 term hours
   Physiology 211 C ........................................... 4 term hours
E. General Psychology 200 .................................... 5 term hours
F. Education:
   Educational Psychology 203 A, B .......................... 6 term hours
   Principles of Teaching 230 ................................ 3 term hours
   Psychology of Coaching 210 .............................. 3 term hours
   History of Educational Thought 433 ..................... 4 term hours
   Organization and Admin. of Physical Education 404 .... 4 term hours
   Principles of Physical Education 403 .................... 3 term hours
   Practice Teaching 301, 302, 303 ........................ 12 term hours
G. Physical Education:
   History of Physical Education 202 ...................... 3 term hours
   First Aid and Athletic Training 205 ..................... 4 term hours
   Principles and Technique of Gymnastic Teaching 301 .... 3 term hours
   Kinesiology 312 ............................................ 4 term hours
   Football Technique 313 .................................. 3 term hours
   Basketball Technique 315 ................................ 3 term hours
   Physiology of Exercise 304 ................................ 3 term hours
   Baseball Technique 317 ................................... 3 term hours
   Track and Field Technique 319 ........................... 3 term hours
   Anthropometry 401 ........................................ 4 term hours
   Physical Education 121 A, B, C ........................ 3 term hours
   Swimming 327 ............................................. 1 term hour
   Camping and Scouting 332 ................................ 4 term hours
   Physical Education 221 A, B, C ........................ 3 term hours
   Playground and Community Recreation 406 ............... 4 term hours
H. Requirement in another department:
   Speech 104A ................................................ 4 term hours
I. Electives (not in Physical Education) ....................... 24 term hours
J. Required of all students in addition:
   Library Methods
PHYSICAL EDUCATION FOR WOMEN CURRICULUM

(For the Preparation of Teachers and Supervisors of Physical Education for Women)

A. Rhetoric ........................................ 12 term hours
B. Economics, History, Political Science, Sociology ................. 20 term hours
C. Ancient Language, English Language, Modern Language
   (in addition to A above) .................................. 20 term hours

D. Science:
   Biology 101 A, B .................................. 8 term hours
   Hygiene 112 .......................................... 4 term hours
   Anatomy 211 A, B .................................. 8 term hours
   Physiology 211 C .................................... 4 term hours

E. General Psychology 200 .................................. 5 term hours

F. Education:
   Educational Psychology 203 A, B .................................. 6 term hours
   Principles of Teaching 230 .................................. 3 term hours
   History of Educational Thought 433 .................................. 4 term hours
   School Health Problems 300 .................................. 4 term hours
   Methods in Physical Education 217 .................................. 4 term hours
   Administration and Organization of Phys. Education 325 .................................. 2 term hours
   Principles of Physical Education 421 .................................. 3 term hours
   Practice Teaching 301, 302, 303 .................................. 12 term hours

G. Physical Education:
   Introduction to Physical Education 101 .................................. 2 term hours
   History of Physical Education 102 .................................. 2 term hours
   Theory of Dancing 215 .................................. 1 term hours
   First Aid and Massage 218 .................................. 1 term hours
   Playground Organization 219 .................................. 4 term hours
   Applied Anatomy 220 .................................. 4 term hours
   Theory of Athletics 222 .................................. 3 term hours
   Theory of Swimming 224 .................................. 2 term hours
   Rhythmic Plays and Singing Games 318 .................................. 2 term hours
   Theory of Games 320 .................................. 2 term hours
   Individual Gymnastics 323 .................................. 4 term hours
   Advanced Athletics 324 .................................. 3 term hours
   Modern Problems in Physical Education 401 .................................. 4 term hours
   Community Recreation, Scouting, and Camp Fire 422 .................................. 4 term hours

H. Requirements in other departments:
   Music Construction 129 .................................. 4 term hours
   Speech 104 A .................................. 4 term hours

I. Electives (not in Physical Education) .................................. 27 term hours

J. Required of all students in addition:
   Library Methods
   Physical Education:  110 A, B, C; 111; 113; 125 A, B, C; 126 A, B, C;
   210 A, B, C; 213 A, B, C; 225 A, B, C; 226 A, B, C; 310 A, B; 311;
   313 A, B, C; 325 A, B, C; 326 A, B, C
RURAL ELEMENTARY CURRICULUM
(For the Preparation of Teachers of One-Teacher, Consolidated, and Village Schools)

A. Rhetoric ...................................... 12 term hours
B. Economics, History, Political Science, Sociology .......... 20 term hours
C. Ancient Language, English Language, Modern Language
   (in addition to A above) .................................. 20 term hours
D. Science and Mathematics:
   Biology, Chemistry, Geology, Mathematics, Physics ...... 12 term hours
   Geography 101 A, B ..................................... 8 term hours
E. General Psychology 200 ................................ 5 term hours
F. Education:
   Educational Psychology 203 A, B .......................... 6 term hours
   Principles of Teaching 230R ............................... 3 term hours
   History of Educational Thought 433 ....................... 4 term hours
   Rural Education 201 A, B, C ............................... 12 term hours
   Rural Education (Advanced courses) ....................... 6 term hours
   Curriculum 101 ........................................... 4 term hours
   Teaching of Handwriting 100 ................................ 2 term hours
   Practice Teaching 301, 302, 303 ........................... 12 term hours
G. Electives ............................................ 66 term hours
   Students will choose among the following according to
   suggestions of departmental adviser:
   Agriculture 141
   Arithmetic 101
   Teachers' Art 102
   Industrial Art 103
   Teaching of Geography 212
   Health Education 190
   Teaching of the Social Studies 202
   Home Economics 120 or equivalent
   Hygiene 112
   Music 106
   Nature Study 231, 232, or 233
   Psychology of Reading 212
   Stories for Childhood 242
   Supervision 371

H. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one individual
   sport, one team sport, and course 233.
RURAL HIGH SCHOOL CURRICULUM
(For the Preparation of Teachers of Rural Consolidated and Village High Schools)

A. Rhetoric ................................................................. 12 term hours

B. Economics, History, Political Science, Sociology .................... 20 term hours

C. Ancient Language, English Language, Modern Language
   (in addition to A above) ........................................... 20 term hours

D. Biology, Chemistry, Geography, Geology, Mathematics,
   Physics ..................................................................... 20 term hours

E. General Psychology 200 .............................................. 5 term hours

F. Education:
   Educational Psychology 203 A, B .................................. 6 term hours
   Principles of Teaching 230R ....................................... 3 term hours
   Special Methods (e.g. Teaching of Latin) ......................... 4 term hours
   History of Educational Thought 433 ............................ 4 term hours
   Rural Education 201 A, B, C ...................................... 12 term hours
   Rural Education (Advanced courses) .............................. 6 term hours
   Practice Teaching 301, 302, 303 .................................. 12 term hours

G. One major sequence consisting of 36 term hours.

H. One minor sequence consisting of 24 term hours.

I. Two sequences, other than the major and minor, consisting of 12 term
   hours each.

J. The remaining units are to be taken in groups of three ormiscellaneously
   with the consent of the adviser.

K. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one individual
   sport, one team sport, and course 232.

Rural Agricultural High School Curriculum: Students desiring to complete
work for their degrees and receive Smith-Hughes vocational agricultural teaching

certificates from Michigan State College may meet the requirements by completing
the first two years of this curriculum. As sequences they should elect
20 hours from Animal Husbandry 142 A, B, C; Soils 143; Farm Crops 144;
Horticulture 145; also, if desired, Rural School Shop 203 A, B, C. The
remaining sequences should be chosen with the consent of the adviser.

Students who complete 96 term hours of work in this curriculum under the
direction and advice of the curriculum counselor may be granted a five-year
certificate.
RURAL ELEMENTARY CURRICULUM
(Two years in length)

Leading to a Five-Year Certificate for Teachers of One-Teacher, Consolidated, and Village Schools

1. Psychology and Education:
   - Introductory Psychology 200 ........................................... 5 term hours
   - Principles of Teaching 101R or 230R .................................. 4 term hours
   - Practice Teaching 201 .................................................. 4 term hours
   - Curriculum 101 ............................................................ 4 term hours
   - Teaching of Handwriting 100 .......................................... 2 term hours
   - Rural Education 201 A, B, C ......................................... 12 term hours

2. Rhetoric 104 A, B, C ...................................................... 9 term hours

3. Foreign Languages, Speech, and English, in addition to
   - Group 2 ........................................................................ 12 term hours

4. History, Economics, Political Science, and Sociology ........... 12 term hours

5. Science and Mathematics:
   - Arithmetic 101 ............................................................... 4 term hours
   - Nature Study 231, 232, 233, or Agriculture 141 .................. 4 term hours
   - Geography 101 A, B ...................................................... 8 term hours

6. Music 106 ........................................................................ 4 term hours

7. Teachers’ Art 102 ................................................................ 4 term hours

8. Home Economics 120 or equivalent ..................................... 2 term hours

9. Electives ........................................................................... 6 term hours

10. Required of all students in addition:
    - Library Methods
    - Physical Education: 5 terms. Women must include one individual
      sport, one team sport, and course 233.

Minimum term hours required—96.

Note.—1. In as far as possible, consecutive courses should be elected in fulfillment of the requirements of Groups 3, 4.
RURAL ONE-YEAR PROFESSIONAL TRAINING CURRICULUM

The Curriculum Approved by the State Department of Public Instruction for the Preparation of Teachers for Rural Elementary Schools

(a) Each applicant must complete the following subjects:

- Introductory Psychology 200 ........................................ 5 term hours
- Practice Teaching 201 ............................................... 4 term hours
- English Composition 101A ......................................... 4 term hours
- Hygiene 112 or Health Education 190 ............................. 4 term hours
- Agriculture 141 ...................................................... 4 term hours
- Psychology of Reading 212 .......................................... 4 term hours
- "Principles (Technique) of Teaching 101R. ...................... 4 term hours
- "Curriculum 101 ..................................................... 4 term hours
- Teaching of Handwriting 100 ....................................... 2 term hours

(b) Each applicant must complete a year's work by electing from this list of subjects:

- Teachers' Art 102 ................................................... 4 term hours
- Music 106 ............................................................. 4 term hours
- History 201 A, B, or C ............................................. 4 term hours
- Geography 101A .................................................... 4 term hours
- Arithmetic 101 ...................................................... 4 term hours
- Grammar .............................................................. 4 term hours
- Rural Sociology 103 ................................................ 4 term hours
- Nature Study .......................................................... 4 term hours
- Educational Psychology 203 A .................................... 3 term hours

(c) Required of each applicant in addition:

  Physical Education: 2 terms. Women must include course 233.

Minimum term hours required—48.

Note.—1. "Four term hours" means one course for twelve weeks with four recitations per week or their equivalent.

2. Not more than one-sixth of the work required for one year of professional training may be done by correspondence or in extension classes.

3. In order to obtain a certificate, after the completion of the course outlined above, the student must make application to the Superintendent of Public Instruction at Lansing.

*The State Department requires only 4 term hours.

**These courses are required at Western State Teachers College.
RURAL THREE-YEAR CERTIFICATE CURRICULUM
[Formerly Called Limited-Certificate Curriculum]
(One year and one summer session in length)

A Shorter Curriculum for the Preparation of Teachers of One-Teacher, Consolidated, and Village Schools

1. Psychology and Education:
   - Introductory Psychology 200 ........................................... 5 term hours
   - Principles of Teaching 101R or 230R .................................. 4 term hours
   - Curriculum 101 ............................................................... 4 term hours
   - Teaching of Handwriting 100 ............................................. 2 term hours
   - Practice Teaching 201 ..................................................... 4 term hours

2. English Composition 101A ................................................. 4 term hours

3. Sociology 103 ................................................................. 4 term hours

4. Teachers’ Art 102 ............................................................. 4 term hours

5. Music 106 ....................................................................... 4 term hours

6. Electives selected from the following: ................................ 21 term hours
   - Literature for Children 203 ............................................. 4 term hours
   - Psychology of Reading 212 .............................................. 4 term hours
   - American History 201 A, B, or C ..................................... 4 term hours
   - Geography 101A ............................................................. 4 term hours
   - Arithmetic 101 ............................................................... 4 term hours
   - Hygiene 112 or Health Education 190 ............................... 4 term hours
   - Nature Study ............................................................... 4 term hours
   - Agriculture 141 ............................................................. 4 term hours
   - Home Economics 120 or equivalent ................................. 4 term hours

7. Non-credit courses required of all students:
   - Library Methods
   - Physical Education: 2 terms. Women must include course 233.

Minimum term hours required—56.
SENIOR HIGH SCHOOL CURRICULUM

(For the Preparation of Teachers of Grades 9, 10, 11, 12)

A. Rhetoric .................................................. 12 term hours

B. Economics, History, Political Science, Sociology ............. 20 term hours

C. Ancient Language, English Language, Modern Language
   (in addition to A above) .................................. 20 term hours

D. Biology, Chemistry, Geography, Geology, Mathematics,
   Physics ................................................... 20 term hours

E. General Psychology 200 .................................... 5 term hours

F. Education:
   Educational Psychology 203 A, B .......................... 6 term hours
   Principles of Teaching 230 ................................ 3 term hours
   History of Educational Thought 433 ......................... 4 term hours
   Special Methods (e.g. Teaching of Latin) ..................... 4 term hours
   Senior High School Education 325 ......................... 4 term hours
   Practice Teaching 301, 302, 303 .......................... 12 term hours

G. One major sequence of 36 term hours

H. One minor sequence of 24 term hours in another subject

I. A sequence, other than the major and minor, consisting of .12 term hours

J. Electives .................................................. 10 term hours

K. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one individual
   sport, one team sport, and course 232.

Students who complete 96 term hours of work in this curriculum under the
direction and advice of the curriculum counselor may be granted a five-year certificate.
SPECIAL EDUCATION CURRICULUM
(For the preparation of Teachers of Mentally Retarded and Backward Children)

A. Rhetoric ................................................................. 12 term hours

B. Economics, History, Political Science, including
   Sociology 201 A, B; 301B ........................................ 20 term hours

C. Ancient Language, English Language, Modern Language
   (in addition to A above) ....................................... 20 term hours

D. Biology, Chemistry, Geography, Geology, Mathematics,
   Physics:
   General Biology 101 A, B, C ................................... 12 term hours
   Genetics 302 ....................................................... 4 term hours
   Eugenics 303 ....................................................... 4 term hours
   Organic Evolution 301 ......................................... 4 term hours
   Hygiene 112 or Health Education 190 ....................... 4 term hours
   Laboratory Science (other than Biology) or
   Mathematics ..................................................... 12 term hours

E. General Psychology 200 ........................................... 5 term hours
   Abnormal Psychology 300 ...................................... 4 term hours

F. Education:
   Educational Psychology 203 A, B ............................... 6 term hours
   Principles of Teaching 230 ................................ .... 3 term hours
   Education of Exceptional Children 361 ....................... 4 term hours
   Mental Tests 350 ................................................. 4 term hours
   Mental Deficiency 362 .......................................... 4 term hours
   Mental Hygiene 365 .............................................. 4 term hours
   Methods of Teaching Subnormal Children 364 ............. 2 term hours
   History of Educational Thought 433 ......................... 4 term hours
   Teaching of Handwriting 100 ................................ 2 term hours
   Practice Teaching 301, 302, 303 ............................... 12 term hours

G. Requirements in other departments:
   Illustrative Handwork 107 ...................................... 4 term hours
   Home Economics 101, 102 ...................................... 4 term hours
   Special-Education Shop 208 .................................... 2 or 4 term hours
   Speech 101A ...................................................... 4 term hours

H. Electives ............................................................. 30 or 32 term hours

I. Required of all students in addition:
   Library Methods
   Physical Education: 5 terms. Women must include one team sport
   and one individual sport.

Note.—1. One of the courses in Practice Teaching must be with normal children, and the other two with subnormal children.

2. To receive a degree or life certificate in Special Education, the student must have had one year of successful teaching experience.

3. Courses in Home Economics are not required of men students.
DETAILS OF DEPARTMENTAL COURSES

AGRICULTURE

HOWARD D. CORBUS

14. **Rural School Agriculture.** 4 term hours. Mr. Corbus.
This course is intended for those planning to teach in rural communities, even though they may not teach agriculture as a separate subject. It helps the prospective teacher to familiarize himself with the agricultural interests that constitute the environment of pupils who come from farm homes, and thus to acquire a means of interesting them in other subjects. It is of necessity very general and may not even in a simple treatment cover all phases of farm life. An attempt is made to adapt the course to the type of agriculture common to the region in which the majority of the class is interested. Opportunity for practical observation is offered on the college farm.

ART

SELMA ANDERSON  
ELAINE L. STEVENSON  
HAZEL I. PADEN

102. **Teachers' Art.** 4 term hours. Miss Paden, Miss Stevenson.
This course is especially arranged to help the student to direct art activities in the grades. The term's work includes lettering, design, color theory, free-hand drawing, cut-paper problems, and holiday projects, together with methods of presenting problems and the developing of a greater appreciation in art among children.

107. **Illustrative Handwork.** 4 term hours. Miss Anderson.
Problems relating to interests in primary grades are worked out in wood, paper, clay, and other media.

208. **Art Composition.** 4 term hours. Prerequisite: Art 102, 109. Miss Paden.
A study of modern art principles that underlie the development of any composition through moving geometric forms emphasizing unity and balanced arrangement in light, dark, and color areas. Color is approached through the study of color-light theory in moving hue, value, and chroma. Media used are water color and poster paint, pen and ink, charcoal, linoleum cuts, and etching.

212. **Handicraft.** 4 term hours. Prerequisite: Art 102 or 103. Miss Anderson.
Problems in batik, gesso, metal, leather tooling, and other problems in handwork.

321. **Painting.** 4 term hours. Prerequisite: Art 102, 109, 208, or consent of the instructor. Miss Stevenson.
Painting of still life and landscape in the studio and outdoors. Medium: water color. The course stresses composition, value, color, and form.
BIOLOGY

LESLIE A. KENOYER
LAVE'NE ARGABRIGHT
THO~OSIA H. HADLEY

HAROLD B. COOK
HENRY N. G0DDARD

General Courses

101A. General Biology. 4 term hours. Dr. Kenoyer.

General life problems are considered and basic principles are developed through the study of (1) the general plan of organization of higher plants and animals and (2) the cell as the unit of organic structure. Unicellular organisms are considered with reference to their physiology, their adaptations, and their relation to human life. The organization of cells into tissues and organs is developed through the study of some of the simpler multicellular animals.

Note.—Courses 101 A, B, C constitute a year sequence which should be elected by those desiring a basis for specialization in biology. Credit in these courses is accepted for entrance in schools of medicine and dentistry.

201. Fundamentals of Biology. 4 term hours. Not open to students who have taken or expect to take Biology 101. Dr. Goddard.

The student gets a general notion of the manner in which animals and plants feed, grow, react to their surroundings, reproduce, and develop. He gains some ability in interpreting the facts of organic nature. Classroom work and demonstrations.

303. Human Biology. 4 term hours. Prerequisite: Biology 101 A, B, and C 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. Population increase, temperance, the color problem, race suicide, immigration, and community welfare are considered in their eugenic bearing.

Anatomy, Physiology, and Sanitary Science

112. Hygiene. 4 term hours. Mr. Cook.

This course considers the factors of both personal and social hygiene, with especial emphasis upon the causes of ill-health and disease and their control and prevention.

211C. Physiology. 4 term hours. Prerequisite: General Biology and Anatomy. Mr. Cook.

The facts of physiology are presented. Stress is laid on the relation of these facts to the interpretation of disease.

Zoology

251. Insect Study. 4 term hours. Dr. Goddard.

Designed to offer a systematic study of the leading groups of insects. Life habits, structural adaptations, life histories, natural homes, classification, and economic importance are considered. Frequent field excursions are made for collection of material, identification, and study of habits. Methods of rearing living material and preparing museum specimens are studied. Control of insects in relation to disease, destruction of crops, and household pests is especially emphasized.
Nature Study

232. Physical Nature Study. 4 term hours. Miss Argabright.

The purpose of this course is to help the student become familiar with some of the physical aspects of nature, to demonstrate with simple experiments some of the laws of nature, and to develop an understanding of some of the wonders of the universe. Weather, rocks, minerals, electricity, astronomy, heat, and light are studied.

233. Biological Nature Study. 4 term hours. Miss Argabright.

The aim of this course is to develop the ability to interpret natural phenomena with scientific accuracy through the study of the plants and animals of the student's immediate environment, to develop an understanding of some of the laws of nature, and to help the student to enjoy and appreciate the beauties of nature. The course includes the study of wayside and garden flowers; resident birds; pond life; aphids, bees, wasps, flies, and ants.

234. Bird Study. 4 term hours. Prerequisite: Nature Study 233 or its equivalent. Miss Hadley.

This course develops a knowledge of birds so that their beauty, dangers of environment, problems of food supply, and preference in nesting sites may be appreciated. The student learns to identify fifteen water birds at the Kellogg Bird Sanctuary, a minimum of fifty land birds in the field, and one hundred birds in the laboratory.

333. Nature Guiding and Camp Craft. 4 term hours. Miss Hadley and Miss Bottje.

This course is intended to initiate the student into natural trail making and in Camp-Fire and Girl-Scout activities. It includes games and recreation for camp grounds, outdoor cookery, and recognition of the common trees, weeds, wild flowers, and birds.

CHEMISTRY

William McCracken

Robert J. Eldridge

Students preparing to teach chemistry in high schools must have as a minimum in chemistry either General Chemistry 101 A, B, and C, or General Chemistry 102 A, B, and C. Through arrangement with the Department of Physics a major in physical science may be made by taking two years of chemistry and one year of physics. A minor in chemistry consists of 24 term hours and may not be made by combining chemistry and physics.

102A. General Chemistry. 5 term hours. Dr. McCracken.

Similar to course 101A but intended for students who have had no high school chemistry.

Classroom, 3 double periods a week; laboratory, 4 double periods a week.

Note.—Courses 102A, 102B, 102C will be given according to demand.

102B. General Chemistry. 5 term hours. Prerequisite: General Chemistry 102A. Mr. Eldridge.

A continuation of course 102A.

Classroom, 3 double periods a week; laboratory, 4 double periods a week.

102C. General Chemistry. 5 term hours. Prerequisite: General Chemistry 102A. Mr. Eldridge.

A continuation of course 102A and B.

Classroom, 3 double periods a week; laboratory, 4 double periods a week.
104. Chemistry and the Modern World. 4 term hours. Dr. McCracken.

Some knowledge of chemistry is indispensable to the understanding of the world today. This course is designed for those students who have never studied chemistry and do not wish to elect a year’s work in the subject, yet desire to gain an insight into the part played by chemistry in modern life and industry, and some acquaintance with the general laws of chemical action and the properties of common elements and compounds.

No laboratory work.

201A. Qualitative Analysis. 4 term hours. Prerequisite: Chemistry 101 or 102. Dr. McCracken.

Basic analysis.
Classroom, 2 double periods a week; laboratory, 8 double periods a week.

201B. Qualitative Analysis. 4 term hours. Prerequisite: Chemistry 201A. Dr. McCracken.

Acid analysis. Almost entirely laboratory work. A minimum of 20 hours of laboratory work per week required.

202S. Organic Chemistry. 5 term hours. Prerequisite: Chemistry 101A, B, C or 102A, B, C. Mr. ________.

The aliphatic (open chain) and aromatic (closed chain) compounds are studied—paraffins, alkyl halides, alcohols, aldehydes, ketones, sugars, amines, acids, dyes, and drugs.

Classroom, 3 double periods a week; laboratory, 4 double periods a week.

303S. Quantitative Analysis. 5 term hours. Prerequisite: Chemistry, 101 or 102, and 201. Consult the instructor before enrolling. Mr. Eldridge.

This special summer course aims to meet the requirements of the student.
Classroom, 2 double periods a week; laboratory, a minimum of 12 hours a week.

COMMERCE

EMMA WATSON

102A. Shorthand and Typewriting (Elementary). 4 term hours. Miss Watson.

Training in the elementary theory and practice of Gregg shorthand and of touch typewriting. The Anniversary Edition of the Gregg Manual will be used as the text in shorthand and as much of it will be covered as time will permit. The major portion of the class period will be devoted to shorthand. Instruction in typewriting is to be supplemented by individual practice outside of class.

Note.—No college credit is given for this course when taken alone. See regular catalog for specific information.

201A. Accounting. 4 term hours. Miss Watson.

This course deals with the elementary principles of the double-entry system of bookkeeping, and considers the more common technical accounting devices for giving expression to those principles. Particular attention is given to the effect of current business transactions on balance-sheet accounts, to the theory and practice of recording temporary changes of proprietorship in expense and revenue accounts, and to the development of simple rules of debit and credit. A study is made also of simple columnar journals, subsidiary ledgers, and control accounts.
Courses in the Department of Education and Psychology are designed primarily to meet the professional needs of the student preparing to teach. Certain regulations are set up which affect all students. Students in all curricula are required to take General Psychology 200 and Principles of Teaching 101R, 230, or 230R. All students pursuing a curriculum for a life certificate and degree are required to take as a minimum General Psychology 200 and 20 term hours of courses in education. The courses in education are distributed as follows: Educational Psychology 203 A, B; Principles of Teaching 230 or 230R; History of Educational Thought 433, totaling 13 term hours, the remaining seven term hours being elective. However, the specific curricula usually prescribe that this remaining requirement is to be met with one course in special methods (such as the Teaching of Algebra for students majoring in mathematics) and one course involving a survey of the student's field of education (such as Senior High-School Education for students preparing to teach in the senior high school). Elective courses are available in education and psychology in the following fields: Early elementary education, elementary education, secondary education, special education, theory and principles of education, educational measurements, administration and supervision, rural education, health education, and psychology. Certain special methods courses giving education credit are available in other departments of the institution. Students are not encouraged to specialize in the field of education. The department takes the position that, except in the case of very mature students, who have had experience in teaching, specialization in the field of education should be reserved for graduate study. Students should feel free to take such electives in education and psychology as will give them better professional preparation for teaching and serve their individual interests. Specialization in undergraduate study, however, should as a general rule be confined to the school-subject fields, such as history, mathematics, commerce, and manual arts.

Early Elementary Education

241 B. Early Elementary Education. 4 term hours. Prerequisite: Early Elementary Education 241A, Psychology 200, Psychology of Reading 212. Miss Blackburn.

The course is devoted to the study of oral and written language and the technique of beginning reading.

242. Stories for Childhood. 4 term hours. Prerequisite: Speech 101A, B. Miss Blackburn.

A study of stories and poems suitable to childhood. Classroom practice in story telling.


A study of the mind of the young child as influenced by the interrelation of his biological make-up and his environment. The theory in this course is based on recent experimental studies in the field of child research. It is desirable that this course be taken simultaneously with practice teaching.

A study of existing practice in early childhood education throughout the country, the nursery-school movement, psychological clinics, recent literature in the field. Laboratory work in the training school is provided.

**Education**


A study of the characteristics and needs of pupils in the later elementary grades and of the materials and methods of instruction.


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 materials and methods of teaching.

230. *Principles of Teaching.* 3 term hours. *Prerequisite:* Psychology 200; 203A, B. *Miss Ebert, Miss Mason.*

This course involves the discovery and application of the more significant principles of the teaching process. Among the topics to be considered are the nature of the teaching profession, the objectives of education, materials affecting learning, lesson planning, the general principles of teaching, the special methods of teaching technique, and the methods of organizing the teaching period.


A study of the principles determining the aims and functions of the modern high school at both the junior and senior levels, the criteria available for the evaluation of the various high-school subjects, and the techniques most effective in carrying on the different phases of the high-school teacher's work.


A course designed to present to teachers the general problem of guidance in junior and senior high schools. Special attention is given to such topics as agencies for guidance, materials for guidance, and counseling techniques.

351. *Psycho-Educational Problems.* 3 to 6 term hours. *Prerequisite:* Psychology 300, Education 350, or consent of the instructor. *Mr. Carter.*

Five one-hour periods each week, including staff conference. Clinical studies of pupils presenting psycho-educational problems, such as behavior difficulties and deficiencies in reading, spelling, and arithmetic. Work involving individual case studies, home visits, conferences, laboratory and clinical procedure. Theory and practice of the case study, including history and physical, psychological, and educational examinations, as well as remedial treatment, will be considered. Detailed work of the course is carried out under the direction of the Department of Research. Students are required to select counselors from the following faculty members, who will direct their investigation and studies: Miss Blackburn, Mr. Carter, Dr. Henry, Dr. Sangren.
365B. Mental Hygiene. 2 term hours. Prerequisite: Psychology 200; 203A, B. Dr. Sangren.

This course is designed to acquaint the prospective teacher with the problems of mental hygiene in childhood, adolescence, and adulthood. Among the topics to be considered will be the mental examination of children, nutrition, delinquency, sex development, discipline, the development of adolescence, personality, dreams, mental hygiene and religion, mental hygiene and industry, mental hygiene and crime, alcoholism, drug addiction, and maladjustment in college.

371B. School Supervision. 3 term hours. Prerequisite: Psychology 200; 203A, B; Principles of Teaching 230; Practice Teaching 301. Miss Steele.

This course includes the discussion of such topics as methods of meeting teachers individually and in groups; teacher rating; the supervisor and course-of-study making; the selection of instructional material.

433. History of Educational Thought. 4 term hours. Prerequisite: Psychology 200; 203A, B; Principles of Teaching 230. Dr. Wilds.

A study of the evolution of educational theory from primitive man down to the present time. A careful analysis of the various conceptions of education as found in the writings of outstanding educational thinkers and reformers. The development of each phase of contemporary educational opinion is traced from its origins, in order to provide a sound basis for the interpretation and evaluation of current theories and practices.

Psychology

200. General Psychology. 5 term hours. Dr. Henry.

An introductory course, serving as the scientific basis for subsequent courses in education as well as an introduction to the field of psychology itself. Freshmen who enroll in the three-year and five-year certificate curricula will be admitted to this course by special permission.

203B. Educational Psychology. 3 term hours. Prerequisite: Educational Psychology 203A. Mr. Carter.

This course is a continuation of Educational Psychology 203A. It deals primarily with individual differences, their nature, detection, and treatment. Among the topics to be considered are variations in human traits; provisions for individual differences; marking and promotion; the new-type test; interpretation of test results; intelligence, classification, and grouping of pupils; diagnosis of learning difficulties; evaluation of teaching procedures; the description of aptitudes, interests, and personality.

300. Abnormal Psychology. 4 term hours. Prerequisite: Psychology 200; 203A, B. Dr. Henry.

A discussion of the more common forms of mental abnormality and maladjustment. Some attention is given to feeble-mindedness. The relationship between such conditions and character development is also considered.
ENGLISH

GEORGE SPRAU
LORENA M. GARY
MINNIE D. LOUTZENHISER
HELEN E. MASTER

LOUISE J. WALKER

Composition and Rhetoric

101A. Composition. 4 term hours. Miss Walker.
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 Loutzenhiser.
A general discussion of the four forms of discourse with analysis of specimens of each form. Most of the time is devoted to the writing and correction of themes.

323. Advanced Rhetoric. 4 term hours. Miss Gary, Miss Master, Miss Nobbs, Mr. Slusser, Miss Van Horn.
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.

Literature

121. American Poets. 4 term hours. Miss Walker.
The work of this course consists of wide reading in the poetry of Bryant, Poe, Longfellow, Emerson, Whittier, Lowell, Holmes, Whitman, and Lanier. This is supplemented by intensive study of some of their chief poems and by some consideration of their significance in American literature.

122. American Prose. 4 term hours. Mr. Slusser.
The work of this course consists of wide reading in the prose of Irving, Emerson, Hawthorne, Melville, Thoreau, and Mark Twain. This is supplemented by individual study of other prose writers as recent as Henry James and William Dean Howells.

202A. Representative English Poetry. 4 term hours. Miss Gary.
The aim of this course is to help the student become more familiar with representative poets of England and the relation of each to the period and movement in which he worked. Selections are read and discussed in class.

202B. Representative English Prose. 4 term hours. Miss Van Horn.
The purpose of this course is to give the student a greater familiarity with the most representative work of England's best prose writers. Stress is placed upon the significance of each work in relation to the literary and social movements of the time. Selections are read and discussed in class.

203. Literature for Children. 4 term hours. Miss Master, Miss Rawlinson.
This course aims: (1) to give a general survey of the fields 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 is
paid to the subject of general reading for children, both inside and outside
of school.

2188. The English Bible (N. T.). 4 term hours. Mr. Sprau.
A systematic study of the New Testament. All of the books are read, preferably in some modern translation, and some attention is given to their
historical setting. Some acquaintance with the Old Testament is an ad-
vantange for the student, but familiarity with the Old Testament is not
assumed in the course.

311. Carlyle. 4 term hours. Mr. Sprau.
This course is intended for mature students who have a taste for serious
thoughtful reading and who care for a better acquaintance with the work of
this author. Special attention is given to Sartor Resartus, Heroes and Hero-
Worship, Past and Present, and the more important essays.

317. The English Epic. 4 term hours. Miss Loutzenhiser.
A study of the general characteristics of the epic. The class makes a care-
ful study of Paradise Lost. Selections are read from other epics for com-
parative study.

322. American Literature. 4 term hours. Miss Nobbs.
This course is intended primarily for juniors and seniors who have had
no other courses in American literature and desire more intimate acquaintance
with the subject. The work consists of lectures, discussions, and as wide
reading as the time permits.

GEOGRAPHY

Courses 101A and 101B are foundational courses in geography and should
precede all other courses except 301. Other elections to complete the re-
quirements for a major or minor in geography should be made with the
approval of the chairman of the department. Students preparing to teach
geography should include course 212 in their elections. It is highly desirable
that students majoring in geography elect, if possible, Economics 201, 305,
and Botany 221C.

A major in earth science may be made by combining Geology 320 and six
courses in geography.

Other recommended sequences are as follows:
(a) If chief interest is history: 310 and the regional geography of the
country in whose history especially interested. Prerequisites to these
courses are either 101A and B or 301.
(b) If major is in business administration: Either 101A and B, or 301, 210.
(c) If preparing to teach general science: Either 101A and B or 301, 207.
(d) If electing geography merely as a year sequence in science: 101A
and B and one other course, or 301 and two other courses to which
either 101A and B or 301 are prerequisite.

101A. Elements of Geography. 4 term hours. Miss Harrison.
An introductory study of the mutual relationships between man and the
natural environment with special emphasis upon types of climate and some
of the adjustments which man makes to climatic conditions in selected
regions.

101B. Elements of Geography. 4 term hours. Prerequisite: Geography
101A. Mr. Berry.
A continuation of 101A. A study is made of relationships between various
human activities and the major elements of natural environment not studied
in Geography 101A. The course also includes an elementary study of map projections.

120. Geography of the United States and Canada. 4 term hours. Prerequisite: Geography 101A and B or 301. Open to qualified freshmen with consent of instructor. Mr. Berry.
A study of United States and Canada by geographic regions.

204. Geography of South America. 4 term hours. Prerequisite: Geography 101A and 101B or 301. Miss Harrison.
The relationships between the combination of natural environmental conditions existing in each of the major geographic regions of the continent and the economic activities carried on therein. The place of South America in world trade.

HANDWRITING

ETHEL SHIMMEL

100. Teaching of Handwriting. 2 term hours. Miss Shimmel.
This course aims to prepare students to teach handwriting. It includes a study of the principles of education, the objectives in the teaching of handwriting, the materials and methods of instruction, and the history of handwriting. The student is given practice in the measurement of handwriting, in the diagnosing of handwriting difficulties, and in determining the most beneficial remedial work. The student is also given sufficient directed practice to enable him to write with a quality and rate essential to the effective teaching of handwriting. This course gives credit in education.

HOME ECONOMICS

MARY A. MOORE

110. Clothing. 2 or 4 term hours. Miss Walker.
A course for non-specializing students. Clothing appreciation and garment construction are taught, to help the student of any department to clothe herself appropriately and economically.

207. Foods. 4 term hours. Miss Moore.
Problems in planning, marketing, preparing, and serving meals.

210. Clothing. 4 term hours. Prerequisite: Clothing 110 or its equivalent Miss Walker.
Applied dress design. The course includes making a paper dress form and its use. Emphasis is placed upon application of art principles to the costume.

An elective course for students not majoring in the department. The managerial aspect of homemaking is studied, with emphasis upon economy in planning and buying for the household.

305. Millinery. 3 term hours. Miss Walker.
A study of line and design in hats as a part of the complete costume. The fundamental processes in millinery construction are taught in the blocking and draping of inexpensive hats of felt, straw, ribbon, and fabric.
Note.—This course is open to other than home economics students upon recommendation of the adviser.
LATIN

EUNICE E. KRAFT

100 A, B or C. Elementary and Second-Year Latin. 4 term hours. Miss Kraft.

This course is designed for those students who need two units of Latin for admission to the A. B. curriculum, or to a medical, dental, or other professional course. It covers the work of two units of high-school language requirement. One unit of high-school Latin may be applied, provided the remainder of the course is taken in this institution.

205. Teaching of Latin. 4 term hours. Miss Kraft.

This course treats of the problems of the first two years of high school Latin. Observations of teaching, reports, and discussion form a part of the work. This course must precede practice teaching in Latin. This course is given credit in education.

207. Roman Life. 4 term hours. Miss Kraft.

The distinctive features of Roman private and public life are presented with a view to the needs of the high-school teacher. Since a knowledge of Latin is not required, the enrollment is not limited to students of the department.

LIBRARY


A course of ten lessons on the use of the library. Required of all freshmen.

MANUAL ARTS

MARION JAY SHERWOOD
CHARLES S. NICHOLS

DON O. PULLIN
ELMER C. WEAVER

8:00 to 10:00

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10:00 to 12:00

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1:00

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101. Woodshop. 4 term hours. Mr. Sherwood.

An introductory course including shop drawing, blue-print reading, and fundamental tool processes, as well as general information helpful in organizing elementary woodworking classes. A combination theory and laboratory
course suitable for students enrolled in other departments. This course will also give special attention to those students who are preparing to go into rural high schools.

103. **Advanced Bench Work.** 4 term hours. Prerequisite: Elementary Woodshop 101 or equivalent. Mr. Sherwood.

An advanced course in bench woodworking, with particular emphasis on technique of hand tools, grinding, and sharpening. Includes elementary pattern making and molding.

111A. **Mechanical Drawing.** 4 term hours. Prerequisite: Mechanical Drawing 110 or equivalent. Mr. Huff.

A continuation of the principles emphasized in Mechanical Drawing 110. Lettering, sketching, drawing, tracing, and electric blueprinting of suitable shop projects.

111B. **Mechanical Drawing.** 4 term hours. Prerequisite: Mechanical Drawing 11A. Mr. Huff.

More advanced problems in mechanical drawing, detailing, design, theory, and application, ranging from simple geometrical problems through surface development to machine details, cams, and gears. Special emphasis on review of the fundamentals of drawing and discussions of practical problems.

201. **Mechanical and Machine Drawing.** 4 term hours. Prerequisite: Mechanical Drawing 98 or equivalent. Mr. Huff.

Special attention is given to orthographic projection, detailing assemblies, and other fundamentals of drafting. This course is the equivalent of drawing I, of the Engineering Department, University of Michigan, and satisfies the requirements of engineering students.

215. **A, B, or C. Architecture.** 4 term hours. Prerequisite: Mechanical Drawing 111. Mr. Huff.

Plans, elevations, detailing, rendering, perspective, estimates, tracing, and blueprinting of structures ranging from simple one-story buildings to original designs for modern homes are included. Special emphasis is placed on practical work and architectural appreciation.

224A. **Machine Shop.** 4 term hours. Mr. Weaver.

A course in the fundamentals of machine tool operation, involving work at the bench and the use of machines making simple projects.

224B. **Machine Shop.** 4 term hours. Mr. Weaver.

Advanced practice in the operation of machine tools and making parts of simple machines requiring some assembling and fitting of parts.

224C. **Machine Shop.** 4 term hours. Mr. Weaver.

Simple tool making, taps, reamers, small dies, and designs of jigs and fixtures. A study is made of shop layouts and equipment, and a course is outlined for teaching machine-shop practice.

301. **Shop Organization.** 2 term hours. Mr. Sherwood.

This course includes the organization of models, outlines, and various teaching aids as well as modern tool and equipment arrangements for school shops.

302. **Teaching of Manual Arts.** 4 term hours. Mr. Sherwood.

This course aims to combine the student's previous educational contacts and practical experiences with the best modern school practices in the teaching of manual arts. Includes observation studies and individual research problems. This course gives credit in education.
100A. **Algebra Beginning with Quadratics.** 4 term hours. Mr. Bartoo.

Designed for students who present for admission one year only of algebra. For those students it should precede all other courses in mathematics.

100C. **Trigonometry.** 4 term hours. Mr. Cain.

Plane trigonometry, trigonometric functions, identities, inverse functions, solution of triangles by logarithms.

101. **Arithmetic.** 4 term hours. Prerequisite: High school algebra and geometry. Mr. Blair.

A teachers' course. Lectures and discussion on the history and teaching of the subject, with assigned reading. Extended treatment of typical problems of applied arithmetic. This course gives credit in education.

115. **College Algebra.** 4 term hours. 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.

116. **Analytic Geometry.** 4 term hours. Prerequisite: Trigonometry and college algebra. Mr. Cain.

Analytic geometry of the straight line, circle, and conic sections. This course is designed to follow course 115. Students who have completed courses 100C, 115, and 116 will be admitted to calculus.

202. **Teaching of Junior-High-School Mathematics.** 4 term hours. Prerequisite: High-school algebra and geometry.

This course consists of a series of talks and discussions, with assigned readings, 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 application of the subject are considered along with the more traditional material of these grades. This course gives credit in education.

205A or B. **Calculus.** 4 term hours. Prerequisite: College algebra and analytic geometry. Mr. Ackley.

An elementary course in differential calculus.

208. **The Teaching of Geometry.** 2 term hours. 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 precede practice teaching in geometry. See note following course 209. This course gives credit in education.

209. **The Teaching of Algebra.** 2 term hours. Mr. Bartoo.

The aim of this course is to give the prospective teacher the educational thought with reference to the content and teaching of algebra in the high school. It is recommended that this course precede practice teaching in algebra. This course gives credit in education.

Note—Courses 208 and 209 are given at consecutive hours, making it convenient for those who desire to take both courses for four hours credit.

210. **Surveying.** 4 term hours. Prerequisite: Trigonometry. Mr. Ackley.

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.
315A, B. History of Mathematics. 4 term hours. Prerequisite: Analytic Geometry. Mr. Blair.
Treats of the history of geometry, trigonometry, arithmetic, and algebra from earliest times to the present.

MODERN LANGUAGES

Harry P. Greenwall
M. Amelia Hockenberry
Frances E. Noble
Mathilde Steckelberg

French

101A. Elementary French. 4 term hours. Mrs. Hockenberry.
The rudiments of French grammar, pronunciation, and ear training are stressed. No credit for the work of this term will be given until the year's work is completed.

101B or 101C. Elementary French. 4 term hours. Miss Noble.
A continuation of 101A. This course is planned to accommodate students who have completed 101A or 101B as a summer course. Students may pursue work giving credit for either 101B or 101C.

203. Readings from Modern French Novels and Stories. 4 term hours. Miss Noble.
This course is intended for those who have had two years of college French or its equivalent. Students having less prerequisite may consult the instructor for adjusting of work and credit. This course consists of reading, résumés, and discussions from the various points of view of language, ideas, and French life.

205A, B, and C. France and the French. 4 term hours. Mrs. Hockenberry.
A course conducted in English, intended for background and general information. The work consists of discussions and reports, supplemented with lantern slides, on the art, geography, education, and historical monuments of France.

German

101A. Elementary German. 4 term hours. Miss Steckelberg.
The work of this course includes the study of the elements of German grammar, oral work, and the reading of simple German. To capable students an opportunity of finishing the year's work by correspondence is offered.

102A, B, or C. Intermediate German. 4 term hours. Miss Steckelberg.
The work of this course covers that of the first term of the second year of German and is also adapted to meet the needs of students who wish credit for German 101C or 102B. It includes a review of grammar, the reading of simple modern German texts, composition based upon them, and the study of poems.

Spanish

101A. Elementary Spanish. 4 term hours. Mr. Greenwall.
The elements of grammar and pronunciation are given particular attention. The use of oral Spanish is encouraged.

102A, B, or C. Intermediate Spanish. 4 term hours. Mr. Greenwall.
A modern novel is read, which serves as a basis for composition and grammar work.
Note.—This course may be substituted for 101C with the consent of the instructor.
104. Early Elementary Music. 4 term hours. Mrs. Britton.
This course gives a singing knowledge of syllables in all major and minor keys, study of song material for first three grades, treatment of monotones, experience in presentation and teaching of rote songs, and introduction of notation.

105. Later Elementary Music. 4 term hours. Mrs. Snyder.
Material suitable for upper grades, method of introducing part singing, and experience in unison and part singing in all major and minor keys.

106. Rural School Music. 4 term hours. Mrs. Snyder.
The course consists of sight reading of unison songs, introduction of part singing, theory, methods of teaching music in the rural school, organization of music work in the school and the community. The importance and value of music in the life of school and community are emphasized. Material for school singing, community singing, appreciation work, and recreational play are considered.

106A. Music Appreciation for Rural Schools. 2 term hours. Mrs. Britton.
Stresses beauty through music, as developed by means of a phonograph and records; correlation with other school subjects; and, in general, rhythmic, melodic, and harmonic development.

206C. Music Education. 4 term hours. Prerequisite: Music 200A, B; or equivalent. Mr. Maybee.
The course presents methods of organizing classes and material suitable for both junior and senior high schools. It involves study of the changing voice; voice testing; chorus management; methods of organizing and conducting class work, glee club, chorus, and voice culture. This course gives credit in education.

209. Harmony. 4 term hours. Prerequisite: Music 101, and at least the ability to play hymns. Mr. Henderson.
The course presents sufficient material to enable a student to gain an intelligent knowledge of modern harmonic treatment. Part writing from given basses and melodies, chord and melodic progressions required.

212C. Music Appreciation. 4 term hours. Prerequisite: One of the following: Music 101, 104, 105, 106. Mrs. Britton.
A study of the masterpieces is made, and appreciation work in preparation for teaching children is definitely worked out.

216A. Voice Culture. 2 term hours. Mr. Maybee.
The work in this course is designed to further the development of the first year's work. The class is divided into sections with the idea of having voices of similar character and quality work together for more intensive and individual study. Suggestions are made to individuals before the class so that all may have the advantage of the work. Songs are taught to the groups and eventually sung by the individual.

320A. Musical Composition and Analysis. 4 term hours. Prerequisite: Music 101, 209. Mr. Henderson.
Advanced harmony and the analysis of the various musical forms; working out of original vocal and instrumental selections.
331A. Orchestration. 4 term hours. Prerequisite: Consent of the instructor.
Mr. Amos.

The orchestration of hymns, songs and larger works. Opportunity will be
provided for students to learn to tune and to study the fundamental principles
of playing the various instruments of the orchestra.

PHYSICAL EDUCATION FOR MEN

JUDSON A HYAMES    HERBERT W. READ
JOHN W. GILL       TOWNER SMITH

101. Physical Education. One hour period four days a week. Mr. Smith.
Athletics, team games, and general recreation for physical-education pro-
grams. Tennis instruction is offered if requested.

101A. Tennis.
May be substituted for Physical Education 101.

103. Physical Education. Mr. Gill.
Intramural teams and County Baseball League play a regular schedule of
games from 3:00 to 5:00.

313. Football Technique. 3 term hours. Mr. Gill.
Fundamentals of football coaching with special emphasis on catching, punt-
ing, kicking, blocking, interference, tackling, principles of line and backfield
work, and the most approved manner of playing the various positions. Building
and formations of plays, generalship, signal systems, and scouting. Some
problems of the coach. Study of the rules.

315. Basketball Technique. 3 term hours. Mr. Read.
Theory and practice of basketball coaching. History and development of
the game; study of offensive and defensive systems with an exposition of
underlying fundamentals and principles. Training and conditioning. Study
of rules. Classroom work supplemented with practice on gymnasium floor.

317. Baseball Technique. 3 term hours. Mr. Hyames.
Theory and practice in base running, fielding, batting, and pitching; de-
tailed study of each position; offensive and defensive team play; officiating;
score; study of rules.

319. Track and Field Technique. 3 term hours. Mr. Smith.
The best accepted forms of starting, hurdling, distance running, pole vault-
ing, discus and javelin throwing, sprinting. Study of physical condition affect-
ing speed, endurance, and fatigue. The selection and preparation of con-
testants for the different track and field events. Managing and officiating of
games and meets. Study of rules. Practice on the track.

332. Camping and Scouting. 4 term hours. Mr. Read.
Principles of scout-work organization and equipment, rope tying, patrols, sig-
naling, and hiking. Hikes and at least two week-end trips are taken. The
object of this course is to make every graduate of the department a potential
scout master.

405. Playground and Community Recreation. 4 term hours. Mr. Hyames.
Nature and function of play; age periods, and adaptation of activities; social
environment; playground development; construction, management, and super-
vision. Practice in class instruction in games, story plays, handwork, and
other physical activities. A survey of recreational material, athletic and field
meets. Laboratory work with training-school children required.
Each student is required to take both a physical and a medical examination upon entering and is then assigned to the type of activity for which she is best fitted. No student is excused from physical education. Courses 102 and 103 are planned for students in restricted groups. The required gymnastic costume consists of black circular bloomers and white blouse. A gray tank suit is required for swimming. This equipment may be purchased at the Co-operative Store. Students are not permitted to earn more than one credit in physical education in any one term and are not given credit for more than three terms of the same activity.

101B. Physical Education. Miss Spalding. Volley ball and folk dancing are emphasized. Some marching and gymnastics are included.

102. Physical Education. Miss Crane. A daily rest period for students who are physically unable to participate in class activity.


201. Tennis. Miss Spalding, Miss Thielen. Practice in form for the various shots with some work on the course.


206. Interpretative Dancing. Miss Thielen.

207. Archery. Miss Spalding.

230. Early Elementary Education. Miss Bottje. A study of the physical, mental, and social nature of children in the early-elementary group and consistent activities to take care of their needs. Two periods a week are devoted to presentation of material by members of the class. One period is for lecture and discussion.

231. Later Elementary Education. Miss Crane. A study of needs and interests of pupils of later-elementary grades, along physical education lines, and presentation of physical education activities suitable to that age.

232. Junior and Senior High School Physical Education. Miss Crane. A course giving in theory and practice, physical education activities suitable for junior- and senior-high students.

233. Rural School Physical Education. Miss Bottje. Suggested indoor and outdoor program for mixed age groups. Ideas for track meets, picnics, play days, holiday programs, and student-leadership systems.

333. Nature Guiding and Camp Craft. For description of course see page 59.
PHYSICS

JOHN E. FOX

A major in physics consists of 36 term hours. Through arrangement with the department of chemistry a major in physical science may be made by taking one year of chemistry and two years of physics. A minor in physics consists of 24 term hours and may not be made by combining physics and chemistry. Although it is desirable that students start their college physics with the course in mechanics, exceptions may be made to this requirement in the case of students enrolled in the summer.

203A. Mechanics and Sound. 5 term hours. Prerequisite: High-school physics and trigonometry. Mr. Rood. A general college course in mechanics of solids and fluids. The last part of the term is devoted to the study of sound. The work consists of demonstration lectures and recitations with illustrative problems. Classroom, 5 double periods a week; laboratory, 2 double periods a week.

203B. Heat and Light. 5 term hours. Prerequisite: Physics 203A. Mr. Fox. A general course dealing with the phenomena of heat and light. Classroom, 5 double periods a week; laboratory, 2 double periods a week.

203C. Magnetism and Electricity. 5 term hours. Prerequisite: Physics 203A. Mr. Rood. A college course in magnetism and electricity. The same general plan of presentation is used as in Physics 203A. Classroom, 5 double periods a week; laboratory, 2 double periods a week.

Note.—Courses 203 A, B, and C constitute a year's work in college physics and should be elected by students who desire a complete unit of credit for this subject, either as a foundation for teaching high-school physics or as preparation for more advanced courses in physics and engineering. Either 203B or 203C will be given in response to demand.

210. Astronomy. 4 term hours. Mr. Fox. A non-mathematical course in descriptive astronomy for students of general science and others who desire an understanding of the elements of the subject. Open as an elective to students of all curricula.

404. Advanced Laboratory Physics. Credit dependent upon work accomplished. Prerequisite: Physics 203A, B, C and experience in other courses offered in this department. Mr. Fox, Mr. Rood. Work may be done in any field of physics. This course should be elected by students only after consultation with the instructor who will supervise it.

RURAL EDUCATION

WM. MCKINLEY ROBINSON

ANNA L. EVANS

ERNEST BURNHAM

Additional information relating to the work of the Department of Rural Education may be found on the following pages:

Facilities for training for work in rural education available at Western State Teachers College, page 29.

Certificates granted, page 22-23.

Curricula offered, page 36, 50-54.


Attention is called to the course in Music Appreciation 106A, which is especially designed for students in one-teacher, consolidated, and village schools.
101. Curriculum. 4 term hours. Miss Evans.
A discussion of modern methods in curriculum making, with special attention to the elementary-school subjects; a survey of the development of these subjects, together with the objectives to be sought in each and the standardized tests used with each; a detailed study of the *Michigan State Course of Study*; and a brief comparison of the *Michigan State Course of Study* with the courses of other states and cities.

101R. Principles of Teaching. 4 term hours. Prerequisite: Psychology 200. Miss Evans.
A study of the general principles of teaching, with particular application to rural-school situations. Textbook discussions, supplementary reading, and observations in the training school are required. Prerequisite to practice teaching.

103. Sociology. 4 term hours. Mr. Robinson.
A study of social relations and activities in small communities. An elementary textbook 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.

201C. Rural Education. 4 term hours. Mr. Robinson.
Deals with the general questions of teaching, supervising, and administering rural schools. Executive facility and efficiency in the whole work of the school are the major considerations.
Note.—Rural Education 201A will be given in the summer of 1935.

203. Rural Sociology. 4 term hours. Dr. E. Burnham.
This course will present the materials of the several excellent up-to-date textbooks in rural sociology and will make students aware of the research and constructive activities of the national and state associations working in this field. The results of the work of the experiment stations in social research in small communities under the federal subsidy provided by the Purnell Act will be kept in view.

230R. Principles of Teaching. 3 term hours. Prerequisite: Psychology 200. Miss Evans.
Note.—See description of 101R, Principles of Teaching.

304. Rural Education. 2 term hours. Prerequisite: Consent of instructor. Mr. Robinson.
This is a seminar course for advanced students who are interested in keeping abreast of current progress in rural education. The best material in print on rural life and education will be read and discussed. A study is made of problems relating specifically to administration, teaching, the curriculum, supervision of all types of rural schools, and the preliminary and service preparation of teachers. Research by individual members of the class is required.
Note.—The A, B, or C term of this course will be offered according to major interests.

404. Rural Education. 2 term hours. Prerequisite: Consent of instructor. Dr. E. Burnham.
In this course, a college textbook in rural sociology will be studied, and supplementary reading will be directed and discussed. The organization of the class will be on the problem basis, which will enable students to choose among the A, B, and C parts of the work, which are taken in consecutive terms in the regular academic year.
Economics

201A. Principles of Economics. 4 term hours. Mr. Moore.
A study of the fundamental principles of economics and their application to some of the more important of our economic problems. Special emphasis is placed upon the laws of price, the fundamental principles involved in production, and the principles underlying our monetary and banking systems. A few problems such as those presented by the business cycle, inter-regional trade, business organization, and marketing are frequently included.

Note.—Principles of Economics 201 A and B form a single course in Principles of Economics and are prerequisite to advanced work in the field. A student planning to take only a single term's work in economics should consult with the Instructor before electing Economics 201A.

201B. Principles of Economics. 4 term hours. Prerequisite: 201A. Mr. Bigelow.
Primary emphasis is placed upon the principles involved in what is technically known as distribution of wealth. The list of problems studied includes railroad regulation, the control of industrial monopolies, risk bearing, insurance, speculation, public finance, taxation, employment relations, and proposed reforms of our economic system.

204. Economics of Expenditure. 4 term hours. Mr. Bigelow.
A study of the present-day problems of the consumer. It helps to establish rational standards of expenditures, based on a careful analysis of human wants and on a consideration of the consumer's available income and of the existing standards of living. Careful analysis is made of the marketing system, investment and insurance, the recent development of installment buying, and the wise use of credit by the consumer.

306. Business and Government. 4 term hours. Prerequisite: Economics 201. Work in government may be substituted in special cases by permission of the Instructor. Mr. Moore.
The relations of the government to public-service corporations and to private businesses. The course includes a study of the necessity of regulation, franchises, intermediate permits, public-utility commissions, principles of valuation, rate-making, service, capitalization, government ownership, legal and constitutional aspects of regulation, control of corporations and trusts, regulation of competition, government encouragement of business, and national policies toward business.

History

103. History of Rome. 4 term hours. Miss Steinway.
This course traces the history of Rome from the earliest times to the fall of the Empire in the West. The development of early Roman institutions, the expansion of Roman power over the Mediterranean World, the transition from the Republic to the Empire, and the social, political, legal, and cultural life of imperial Rome are the chief topics emphasized.
105. **English History, 1815 to the Present Time.** 4 term hours. Dr. Russel.
The development of the British Empire, parliamentary reform and the
growth of democracy, foreign trade and industrialism, the labor movement,
the self-governing dominions, imperialism, the Irish question, the Great War
and subsequent adjustments.

106A. **Modern Europe, 1500-1763.** 4 term hours. Miss Barbour.
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-wide colonial
conflict between France and Great Britain.

106B. **Modern Europe, 1763-1870.** 4 term hours. Miss Barbour.
European life in the eighteenth century, the French Revolution, the era
of Napoleon, the industrial revolution, reaction after 1815, the rise of de-
mocracy, and nationality in the nineteenth century.

106C. **Modern Europe, 1870-1931.** 4 term hours. Dr. Scott.
The history of the Third French Republic, political and social reform in
England, the German Empire, the problem of the Near East, the expansion
of Europe in Asia and Africa, international relations, the World War and
since.

201A. **United States History to 1815.** 4 term hours. Miss Burnham.
This course begins with the European background of American history,
traces the origin and growth of the colonies, discusses their relation to the
mother country, gives special attention to the causes and course of the Revo-
lution and to the beginnings of state and national government, and concludes
with the study of the Federalist and Jeffersonian periods.

201B. **United States History, 1815-1877.** 4 term hours. Miss Burnham.
This course treats the history of the rising West, the influence of the
frontier, the industrial revolution and its consequences, the rise of democracy,
the slavery controversy, the Civil War, and the period of reconstruction.

201C. **United States History, 1877 to the Present Time.** 4 term hours. Dr.
Knauss.
The industrial development of the United States, the coming 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 World War, and the history of recent years
are the chief topics in this course.

202. **Teaching of the Social Studies.** 4 term hours. Prerequisite: Two col-
ége courses in history. Miss Steinway.
This course is intended for students in the later-elementary and the junior
and senior high-school groups. It deals with the aims, content, organization,
presentation, and testing of the social studies. Attention is given to the eval-
uation of texts, the planning of lessons, the selection and gradation of col-
lateral reading, and the correlation of the social studies with the other
branches of the curriculum and with the various activities of the school. This
course gives credit in education.

301A. **United States History, 1783-1815.** 3 term hours. Prerequisite: 201A,
B. C. Dr. Russel.
This course begins with the Critical Period in American History and treats
in detail the making of the Constitution, the organization of the government
under it, the reign of Federalism, the triumph of Jeffersonian democracy, and
the influence upon America of the Revolutionary and Napoleonic wars in
Europe.
307. **Reconstruction in Europe.** 3 term hours. Dr. Scott.
Political reconstruction in Europe during and since the Great War; the break-up of the central empires, the process of building up new states; the economic and social problems facing post-war Europe, and the means used in the efforts to solve them.

310. **History of Michigan.** 4 term hours. Prerequisite: United States History 201 A, B, C. Dr. Knauss.
A course designed to show the development of the contemporary political, social, and economic status of Michigan. The relation of the history of the state to that of the nation is stressed.

**Political Science**

201A. **National Government.** 4 term hours. Mr. Shilling.
A study of the American national government, including its structure, function and actual working. Emphasis will be put upon the latter.

401B. **Comparative Government.** 3 term hours. Prerequisite: College work in modern European history. Mr. Shilling.
A study is made of the governments of France, Germany, Italy, Russia, and Switzerland. Special emphasis is given to the problems of administration, civil service, taxation, and foreign relations of each country.
Note.—These two courses alternate in summer sessions with 201B and 401A.

**Sociology**

103. **Sociology.** 4 term hours. Mr. Robinson.
See description of course under Department of Rural Education, page 75.

201A. **Society and the Individual.** 4 term hours. Dr. E. Burham.
A discussion of the physiological approach to the study of sociology. Some consideration is given to the biological basis of personality and social life. The chief emphasis is upon the social origin and character of human nature and individuality.

201B. **Social Organization.** 4 term hours. Prerequisite: Sociology 201A. 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; the importance and control of public will.

301B. **Social Pathology.** 4 term hours. Prerequisite: Sociology 201A and 201B. Dr. Terpenning.
A study of pathological or diseased aspects of modern society from the point of view of fundamental causes and scientific remedies. Poverty, delinquency, divorce, unemployment, insanity, crime, and kindred subjects are considered.

**SPEECH**

CARROLL P. LAHMAN  
ANNA E. LINDBLOM

101A. **Fundamentals of Speech.** 4 term hours. Mr. Lahman, Miss Lindblom.
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.
101B. **Fundamentals of Speech.** 4 term hours. Prerequisite: Speech 101A. Miss Lindblom.

Further study of principles, with additional opportunity for individual practice.

201. **Parliamentary Usage.** 2 term hours. Mr. Lahman.

Designed for upperclassmen who desire some knowledge of how to organize meetings and conduct business according to parliamentary procedure. Study of such matters as motions and their order of precedence, committees and their duties, and election of officers. Constant application in the classroom of the principles studied.

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**TRAINING SCHOOL**

**Practice Teaching**

The Campus Training School is open in the summer session from 8:30 to 11:00 A.M. Courses in observation and practice teaching are offered.

Practice-teaching assignments are reserved for students who have not been in residence during the other terms, and for those who can complete the work for a life certificate. Since the number of such opportunities is limited, application should be made to the Director of the Training School well in advance of the summer session enrollment day.

Pupil enrollment is by application. Children of students attending the summer session are among those accepted, but reservations must be made in advance. The work is designed to furnish profitable experience for the children, rather than to provide opportunity for the making up of grades by those who have failed of promotion.

Students enroll for teaching at the Training School office on enrollment day. At this time assignment is made to a definite grade and supervisor.

Class meetings with the supervisors are held Mondays, Tuesdays, Thursdays and Fridays, 11:00 to 11:50. Meetings with the director are held Wednesdays, 11:00 to 11:50. All who enroll for teaching must therefore reserve the hours from 9:00 to 11:50.

Students enrolled for practice teaching are advised not to take extra studies the same term.

301, 302. **Practice Teaching.** 4 term hours each. Prerequisite: Psychology 200, Principles of Teaching 230, adequate academic and professional training in the subject or subjects to be taught, and one-fourth as many honor points as term hours of credit earned. Miss Steele, grade and special supervisors.

These courses include the teaching of classes in the training school, the observation of lessons taught by the supervisors, the study and measurement of children as individuals and in groups, and meetings with the supervisors of practice teaching and with the Director of the Training School.

Students are urged to become as familiar as possible with the spirit and general workings of the training school.

305. **Practice Teaching.** 4 term hours. Prerequisite: Maturity and teaching experience. Miss Steele and 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.
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