1950

Bulletin: Summer Session Western Michigan College 1950

Western Michigan University

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

Part of the Higher Education Commons

WMU ScholarWorks Citation
http://scholarworks.wmich.edu/course_catalogs/116

This Catalog is brought to you for free and open access by the Western Michigan University at ScholarWorks at WMU. It has been accepted for inclusion in Western Michigan University Course Catalogs (1951-2017) by an authorized administrator of ScholarWorks at WMU. For more information, please contact maira.bundza@wmich.edu.
BULLETIN

Western Michigan College of Education
KALAMAZOO, MICHIGAN

THE FORTY-SEVENTH
SUMMER SESSION

MONDAY, JUNE 26, THROUGH FRIDAY, AUGUST 4

This College is a member of the American Association of Teachers Colleges. It is fully accredited by the North Central Association of Colleges and Secondary Schools and is on the approved list of the Association of American Universities and the American Association of University Women.

Vol. 45  Issue of Winter Quarter, 1950  No. 3
Published Quarterly by Western Michigan College of Education
Entered as Second Class Matter, January 5, 1905, at the Post Office at Kalamazoo, Michigan.
Under Act of August 24, 1912
DIRECTIONS FOR CORRESPONDENCE WITH WESTERN MICHIGAN COLLEGE OF EDUCATION

Correspondence with Western Michigan College of Education 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 life and education—The Director of the Department of Rural Life and Education.
f) Concerning extension work and in-service education—The Director of the Extension Division.
g) Concerning educational research—The Director of the Bureau of Educational Measurements and Research.
h) Concerning graduate work—The Director of the Graduate Division.
i) Concerning the summer session—The Director of the Summer Session.
j) Concerning personnel and guidance matters—The Director of Personnel and Guidance.
k) Concerning veterans' matters—The Veterans' Counselor.
l) Concerning vocational education—The Director of Vocational Education.
m) Other general inquiries—The Registrar.

INFORMATION FOR NEW STUDENTS

A student applying for admission should

a) If entering as a freshman, 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, college, or university, have mailed to the registrar complete official statements regarding the work for which credit is sought.
c) If entering the graduate division, secure application-for-admission blank from the director of the graduate division.
d) Have credits sent in at as early a date as possible.
## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Content</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map of Campus</td>
<td>2</td>
</tr>
<tr>
<td>Directions to New Students</td>
<td>4</td>
</tr>
<tr>
<td>College Calendar</td>
<td>7</td>
</tr>
<tr>
<td>Program of Summer Session Events</td>
<td>8</td>
</tr>
<tr>
<td>Administration</td>
<td>10</td>
</tr>
<tr>
<td>Faculty</td>
<td>14</td>
</tr>
<tr>
<td>General Information</td>
<td>24</td>
</tr>
<tr>
<td>Summer Workshops and Clinics</td>
<td>30</td>
</tr>
<tr>
<td>Student Service Facilities</td>
<td>33</td>
</tr>
<tr>
<td>Undergraduate Division—Rules and Regulations</td>
<td>41</td>
</tr>
<tr>
<td>Undergraduate Division—Curricula</td>
<td>55</td>
</tr>
<tr>
<td>Graduate Division</td>
<td>77</td>
</tr>
<tr>
<td>Description of Courses</td>
<td>89</td>
</tr>
<tr>
<td>Index</td>
<td>128</td>
</tr>
<tr>
<td>JANUARY</td>
<td>FEBRUARY</td>
</tr>
<tr>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>SMTWTFSS</td>
<td>SMTWTFSS</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7</td>
<td>1 2 3 4</td>
</tr>
<tr>
<td>8 9 10 11 12 13 14</td>
<td>5 6 7 8 9 10 11</td>
</tr>
<tr>
<td>15 16 17 18 19 20 21</td>
<td>12 13 14 15 16 17 18</td>
</tr>
<tr>
<td>29 30 31</td>
<td>26 27 28</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>APRIL</th>
<th>MAY</th>
<th>JUNE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMTWTFSS</td>
<td>SMTWTFSS</td>
<td>SMTWTFSS</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7 8</td>
<td>1 2 3 4 5 6</td>
<td>1 2 3</td>
</tr>
<tr>
<td>9 10 11 12 13 14 15</td>
<td>7 8 9 10 11 12 13</td>
<td>4 5 6 7 8 9 10</td>
</tr>
<tr>
<td>16 17 18 19 20 21 22</td>
<td>14 15 16 17 18 19 20</td>
<td>11 12 13 14 15 16 17</td>
</tr>
<tr>
<td>23 24 25 26 27 28 29</td>
<td>21 22 23 24 25 26 27</td>
<td>18 19 20 21 22 23 24</td>
</tr>
<tr>
<td>30</td>
<td>28 29 30 31</td>
<td>25 26 27 28 29 30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>JULY</th>
<th>AUGUST</th>
<th>SEPTEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMTWTFSS</td>
<td>SMTWTFSS</td>
<td>SMTWTFSS</td>
</tr>
<tr>
<td>1</td>
<td>1 2 3 4 5</td>
<td>1 2</td>
</tr>
<tr>
<td>2 3 4 5 6 7 8</td>
<td>6 7 8 9 10 11 12</td>
<td>3 4 5 6 7 8 9</td>
</tr>
<tr>
<td>9 10 11 12 13 14 15</td>
<td>13 14 15 16 17 18 19</td>
<td>10 11 12 13 14 15 16</td>
</tr>
<tr>
<td>16 17 18 19 20 21 22</td>
<td>20 21 22 23 24 25 26</td>
<td>17 18 19 20 21 22 23</td>
</tr>
<tr>
<td>23 24 25 26 27 28 29</td>
<td>27 28 29 30 31</td>
<td>24 25 26 27 28 29 30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OCTOBER</th>
<th>NOVEMBER</th>
<th>DECEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMTWTFSS</td>
<td>SMTWTFSS</td>
<td>SMTWTFSS</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7</td>
<td>1 2 3 4</td>
<td>1 2</td>
</tr>
<tr>
<td>8 9 10 11 12 13 14</td>
<td>5 6 7 8 9 10 11</td>
<td>3 4 5 6 7 8 9</td>
</tr>
<tr>
<td>15 16 17 18 19 20 21</td>
<td>12 13 14 15 16 17 18</td>
<td>10 11 12 13 14 15 16</td>
</tr>
<tr>
<td>22 23 24 25 26 27 28</td>
<td>19 20 21 22 23 24 25</td>
<td>17 18 19 20 21 22 23</td>
</tr>
<tr>
<td>29 30 31</td>
<td>26 27 28 29 30</td>
<td>24 25 26 27 28 29 30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DECEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMTWTFSS</td>
</tr>
<tr>
<td>1 2</td>
</tr>
<tr>
<td>3 4 5 6 7 8 9</td>
</tr>
<tr>
<td>10 11 12 13 14 15 16</td>
</tr>
<tr>
<td>17 18 19 20 21 22 23</td>
</tr>
<tr>
<td>24 25 26 27 28 29 30</td>
</tr>
<tr>
<td>31</td>
</tr>
</tbody>
</table>
COLLEGE CALENDAR—1950-1951

Summer Session 1950

June 26, Monday ........................................ Registration for the Summer Session
June 27, Tuesday ........................................... Recitations Begin
July 4, Tuesday ........................................... Holiday
August 4, Friday ........................................... Session Closes

Semester I, 1950-1951

September 18 through 21, Monday through Thursday ...“Freshman Days”
September 18, Monday ...................................... “Testing Day” for Freshmen
September 19, Tuesday ...................................... “Counseling Day” for Upperclassmen
September 20 through 22, Wednesday through Friday ...Enrollment
September 20, Wednesday ..................................... Freshmen Non-Veterans
September 21, Thursday ..................................... Veterans—all classes
September 22, Friday ......................................... Upper-Class Non-Veterans
September 25, Monday ........................................ Recitations Begin
November 4, Saturday ....................................... Homecoming Holiday
November 22, Wednesday (12:00 noon) to Monday, November 27 ...Thanksgiving Recess
December 15, Friday (4:00 P.M.) to Tuesday, January 2 ....Holiday Vacation
January 29, Monday through February 2, Friday .......... Final Examinations
February 3, Saturday .......................................... Semester I Ends

Semester II, 1950-1951

February 12 and 13, Monday and Tuesday ... Registration and Enrollment
February 14, Wednesday ....................................... Recitations Begin
March 23, Friday (12:00) to April 2, Monday .......... Spring Vacation
(March 25 is Easter Sunday)
May 30, Wednesday .......................................... Memorial Day Holiday
June 11, through 15, Monday through Friday ......... Final Examinations
June 10, Sunday ............................................. Baccalaureate Services
June 16, Monday ............................................. Commencement Exercises
June 16, Monday ............................................. Semester II Ends

Summer Session 1951

June 25, Monday ........................................... Registration
June 26, Tuesday ........................................... Recitations Begin
July 4, Wednesday ........................................... Holiday
August 3, Friday ........................................... Session Closes
PROGRAM OF SPECIAL EVENTS
SUMMER SESSION, 1950

First Week, June 26-July 1

Monday, June 26—Registration.
Monday, June 26—8:00 P.M. Opening Convocation. Dr. Tibor Eckhardt, eminent European statesman and Hungarian Delegate to the League of Nations, in a timely lecture, “America, the Last Hope of the World.” College Theatre.

Tuesday, June 27—Classes begin.

Thursday, June 29—8:00 P.M. Faculty Reception and Entertainment for Summer Session Students. Entertainment by Wilbur Fish, “The Joy-Bell Ringer,” music on novelty instruments played with rare artistry. Walwood Hall.

Second Week, July 3—July 8
Annual Book Week

Monday, July 3—8:00 P.M. General Assembly. Concert by the Faculty of the Music Department, Western Michigan College. College Theatre.

Tuesday, July 4—Holiday.

Wednesday, July 5—Friday, July 8—Exhibits by the leading book companies and school supply concerns. Women’s Gymnasium.

Wednesday, July 5—3:00-5:00 P.M. Annual Tea for Faculty Women and Faculty Dames. Arcadia Brook Club House.

Thursday, July 6—8:00 P.M. Feature Entertainment. The Dreamdusters, a male quartet of singers from leading Broadway musical productions. Central High School Auditorium.

Third Week, July 10—July 15

Monday, July 10—8:00 P.M. General Assembly. Captain Edgar Bundy, Staff Intelligence officer in the United States Air Force, in an authoritative lecture, “Peep Holes in the Iron Curtain.” College Theatre.

Tuesday, July 11—8:00 P.M. Student Recital. Harper Maybee Music Hall.

Wednesday, July 12—4:00 P.M. Summer School Faculty Picnic. Pine Lake Camp.

Thursday, July 13—8:00 P.M. Feature Entertainment. Hal and Ruby Holbrook, in their “Theatre of Great Personalities” presenting scenes from outstanding plays of recent years. Central High School Auditorium.

Fourth Week, July 17—July 22

PROGRAM

Tuesday, July 18—9:00 A.M. Workshop Breakfast. Walwood Hall.

Thursday, July 20—8:00 P.M. Feature Entertainment. The Gypsies, presenting the universal folk music of the gypsies in gorgeous costumes. Central High School Auditorium.

Fifth Week, July 24–July 29


Wednesday, July 26—12:00 Noon. Luncheon of the Faculty and Students of the Graduate Division. Walwood Hall.

Thursday, July 28—8:00 P.M. Feature Entertainment. Katherine Flowers Dancers in "Bamboula to Ballet," showing the evolution of Negro dancing in the United States. Central High School Auditorium.

Sixth Week, July 31–August 4

Music Week

Monday, July 31—8:00 P.M. General Assembly. Program by Summer Session Choir. Women's Gymnasium.

Tuesday, August 1—7:00 P.M. Open Air Concert by Summer Session Band. College Quadrangle.

Wednesday, August 2—8:00 P.M. Concert by Summer Session Orchestra. College Theatre.

Thursday, August 3—8:00 P.M. Graduation Exercises for Summer Session Graduating Class. Address by Dr. Beryl D. Orris, brilliant American psychiatrist and leading authority on youth rehabilitation, "Where Do We Go From Here?" Women's Gymnasium.

Summer Recreational Activities

Kalamazoo, located in Western Michigan, known as "The Summer Playground of America," offers numerous opportunities for recreation. Picnics in Milham Park or on the beaches of the numerous accessible lakes, swimming, and boating are popular pastimes. An outing on the shore of Lake Michigan is possible. A number of tennis courts are available on the campus. Five golf courses are within a mile of the campus, with special rates for summer students. A riding academy is nearby, where horses may be engaged at reasonable rates. Facilities on the campus are provided for students who desire to live in trailers.

Summer Session Newspaper

A weekly newspaper, Summer Session Events, is published each Saturday during the Summer Session to chronicle the events of the preceding and following week. Every student and faculty member is entitled to a free copy.
ADMINISTRATION

STATE BOARD OF EDUCATION

CHARLES G. BURNS President
STEPHEN S. NISBET
LOUISA DURHAM MOHR
LEE M. THURSTON Secretary

STATE SUPERINTENDENT OF PUBLIC INSTRUCTION
Lee M. Thurston

EXECUTIVE COUNCIL OF PRESIDENTS

CHARLES L. ANSPACH President
Central Michigan College of Education
EUGENE B. ELLIOTT
Michigan State Normal College
PAUL V. SANGREN
Western Michigan College of Education
HENRY A. TAPE
Northern Michigan College of Education

OFFICERS OF ADMINISTRATION

PAUL V. SANGREN, PH.D. President
WYNAND WICHERS, LL.D. Vice-President
JOHN C. HOEKJE, ED.M. Dean of Administration—Registrar
ELMER H. WILDS, ED.D. Director of Summer Session and Graduate Division
ELIZABETH E. LICHTY, PH.D. Dean of Women
RAY C. PELLETT, A.M. Dean of Men
CORNELIUS B. MACDONALD, A.M. Comptroller
JAMES H. GRIGGS, ED.D. Director of Teacher Education
LOY NORRIX, PH.D. Assistant Director of Teacher Education
DEYO B. FOX, PH.D. Director of Vocational Education
GEORGE H. HILLIARD, PH.D. Director of Student Personnel and Guidance
VERN E. MABIE, A.M. Director of Placement and Alumni Relations
# ADMINISTRATION

## MAINTENANCE OFFICIALS

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>John A. Goldsworth</td>
<td>Superintendent, Buildings and Grounds</td>
</tr>
<tr>
<td>Irving Barber</td>
<td>Supervisor, Grounds Service</td>
</tr>
<tr>
<td>Robert H. Williams, B.S.</td>
<td>Supervisor, Supplies</td>
</tr>
<tr>
<td>Ralph Willis</td>
<td>Supervisor, Janitorial Services</td>
</tr>
</tbody>
</table>

## MANAGERIAL EXECUTIVES

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donald N. Scott, A.M.</td>
<td>Manager, Union Building and Dormitories</td>
</tr>
<tr>
<td>John M. Thompson</td>
<td>Manager, College Book Store</td>
</tr>
</tbody>
</table>

## ADMINISTRATIVE ASSISTANTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mary B. Anderson, M.S.</td>
<td>Nursing Consultant</td>
</tr>
<tr>
<td>Blanche Draper</td>
<td>Publicity Secretary</td>
</tr>
<tr>
<td>Homer M. Dunham, A.B.</td>
<td>Athletic Records and Publicity</td>
</tr>
<tr>
<td>Eva Falk, A.B.</td>
<td>Secretary, Dean of Women</td>
</tr>
<tr>
<td>Margaret Feather, A.B.</td>
<td>Secretary, Dean of Men</td>
</tr>
<tr>
<td>Leonard Gernant, A.M.</td>
<td>Assistant Registrar</td>
</tr>
<tr>
<td>Kenneth R. Hawkins, A.M.</td>
<td>Assistant Manager, College Book Store</td>
</tr>
<tr>
<td>Bernice G. Hesselink</td>
<td>Financial Secretary</td>
</tr>
<tr>
<td>Evelyn L. Hickmott, A.B.</td>
<td>Secretary, Adult Education</td>
</tr>
<tr>
<td>Frank Hinds, A.M.</td>
<td>Director, Vandercook Hall</td>
</tr>
<tr>
<td>Edna L. Hirsch, B.S.</td>
<td>Secretary, Student Personnel and Guidance</td>
</tr>
<tr>
<td>Dorothy S. Horst, A.M.</td>
<td>Assistant Dean of Women and Director, Walwood Hall</td>
</tr>
<tr>
<td>Virginia M. Jarman</td>
<td>Secretary, Campus Schools</td>
</tr>
<tr>
<td>Lloyd E. Jesson, A.B.</td>
<td>Secretary to the President</td>
</tr>
<tr>
<td>Eleanor Linden, B.S.</td>
<td>Secretary, Teacher Education</td>
</tr>
<tr>
<td>Margaret T. Mabie, A.B.</td>
<td>Secretary, Graduate Division and Summer Session</td>
</tr>
<tr>
<td>Leroy W. Myers</td>
<td>Director, Burnham Halls</td>
</tr>
<tr>
<td>Katherine A. Parsons</td>
<td>Director, Spindler Hall</td>
</tr>
<tr>
<td>H. Duane Plough, A.B.</td>
<td>Assistant Manager, Union Building</td>
</tr>
<tr>
<td>Dorothy Robinson</td>
<td>Secretary, Dean of Administration</td>
</tr>
<tr>
<td>Lucille E. Sanders, A.B.</td>
<td>Secretary, Rural Life and Education</td>
</tr>
<tr>
<td>Alice Smith</td>
<td>Placement Secretary</td>
</tr>
<tr>
<td>J. Towner Smith, A.M.</td>
<td>Assistant Director, Student Personnel and Guidance</td>
</tr>
<tr>
<td>Leah M. Smith</td>
<td>Secretary, Extension</td>
</tr>
<tr>
<td>Benjamin H. Wheatley, A.M.</td>
<td>Associate Director, Student Personnel</td>
</tr>
</tbody>
</table>
ADMINISTRATIVE GROUPS

THE ADMINISTRATIVE COUNCIL

The Council meets weekly to keep informed on college affairs, to fix general administrative policies, and to coordinate and unify administrative decisions, practices, and services designed to promote the educational program of the college.

PAUL V. SANGREN, President; WYNAND WICHERS, Vice-President; JOHN C. HOEKJE, Dean of Administration; CORNELIUS B. MACDONALD, Comptroller; ELMER H. WILDS, Director of the Graduate Division; JAMES H. GRIGGS, Director of the Teacher Education Division; DEYO B. FOX, Director of the Vocational Education Division; GEORGE H. HILLIARD, Director of Student Personnel and Guidance.

THE FACULTY COUNCIL

The Council meets each month to deal with such problems as may be delegated to it; to receive and consider recommendations and suggestions proposed by members of the Faculty, and to recommend to the President or Faculty changes in policy and procedures.

Elected: GERALD OSBORN (Chairman), FLOYD W. MOORE, RUSSELL SEIBERT, terms expiring 1950; CORA EBERT, MARGARET MACMILLAN, CHARLES STARRING (Vice-Chairman), terms expiring 1951; ALBERT BECKER, JAMES GRIGGS, MYRTLE WINDSOR, terms expiring 1952. Appointed: M. DEZENA LOUTZENHISER, GAYLE POND (Secretary), WILBUR SCHENK, terms expiring 1950; Ex officio; PAUL V. SANGREN, President; WYNAND WICHERS, Vice-President; A. L. SEBALY, M. E. A. Representative.

THE ATHLETIC BOARD OF CONTROL

The Board has jurisdiction over all matters pertaining to Intercollegiate Athletics.

JOHN C. HOEKJE, Dean of Administration; MITCHELL J. GARY, Director of Athletics; WILLIAM J. BERRY, CORNELIUS B. MACDONALD, CHARLES A. SMITH, appointed by the President; DUANE M. FORMSMA, President of the W. Club; DANIEL B. WEBER, Sports Editor of the Western Herald; JOHN P. BRIGHT, President of the Student Council.

FACULTY COMMITTEES

These committees are to study and develop policies relating to their field of interest and report their findings and recommendations to the administration. In each case the name of the chairman appears first.


Student Activities and Welfare—John C. Hoekje, Clara Chiara, Dorothy Horst, Cornelius B. MacDonald, Elizabeth Smutz, Charles Starring, the Presidents of the Women's League, Off Campus Women, Student Association, Inter-Fraternity Council, Inter-Sorority Council, Men's Union.
FACULTY

SUMMER SESSION, 1950

(This list includes only those who are in service during the Summer Session of 1950.)

HEADS OF DEPARTMENTS

WILLIAM J. BERRY, PH.D. GEOGRAPHY AND GEOLOGY
A.B., Iowa State Teachers College; M.S., Ph.D., University of Chicago.

WILLIAM R. BROWN, PH.D. ENGLISH
A.B., University of Texas; A.M., Ph.D., Harvard University.

PHIL WALTER BUCK, PH.D. PSYCHOLOGY
B.S., M.S., Kansas State Teachers College; Ph.D., Ohio State University.

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

DEYO B. FOX, PH.D. INDUSTRIAL EDUCATION
B.S., M.S., University of Michigan; Ph.D., University of Pittsburgh.

JAMES H. GRIGGS, Ed.D. EDUCATION

LESLIE A. KENOYER, PH.D. BIOLOGY
A.B., Campbell College; A.M., University of Kansas; Ph.D., University of Chicago; Ph.D., Iowa State College.

JAMES O. KNAUSS, PH.D. HISTORY
A.B., Lehigh University; A.M., Harvard University; Ph.D., Cornell University.

WM. MCKINLEY ROBINSON, PH.D. RURAL LIFE AND EDUCATION
B.S., Hiram College; A.M., Ph.D., Teachers College, Columbia University.

GERALD OSBORN, PH.D. CHEMISTRY
A.B., Michigan State Normal College; M.S., Ph.D., University of Michigan.

LAURA V. SHAW, A.M. SPEECH
B.S., Ohio Wesleyan University; A.M., University of Michigan.

D. C. SHILLING, Ph.D. POLITICAL SCIENCE
Ph.B., Ohio Northern University; A.B., Miami University; A.M., University of Wisconsin; Ph.D., Ohio Northern University.
PROFESSORS

MATHILDE STECKELBERG, A.M.  LANGUAGES
A.B., University of Nebraska; A.M., Teachers College, Columbia University.

CHARLES H. BUTLER, PH.D.  MATHEMATICS
Ph.B., A.M., University of Chicago; Ph.D., University of Missouri.

WILLIAM H. CAIN, A.M.  MATHEMATICS
A.B., University of Michigan; A.M., Teachers College, Columbia University.

HOMER L. J. CARTER, A.M.  PSYCHOLOGY
(Director of Psycho-Educational Clinic)
B.S., Wayne University; A.M., Ohio State University.

ORIE I. FREDERICK, PH.D.  EDUCATION
(Director of Educational Research)
A.B., A.M., Findlay College; Ph.D., University of Michigan.

JOSEPH W. GIACHINO, ED.D.  INDUSTRIAL EDUCATION
B.S., Wayne University; A.M., University of Detroit; Ed.D., Pennsylvania State College.

A. EDYTHE MANGE, PH.D.  HISTORY
A.B., Greenville College; A.M., Ph.D., University of Illinois.

ROBERT R. RUSSELL, PH.D.  HISTORY
A.B., McPherson College; A.M., University of Kansas; Ph.D., University of Illinois.

RUSSELL H. SEIBERT, PH.D.  HISTORY
A.B., College of Wooster; A.M., University of Chicago; Ph.D., Ohio State University.

CHARLES VAN RIPER, PH.D.  SPEECH
A.B., A.M., University of Michigan; Ph.D., University of Iowa.

ELMER C. WEAVER, A.M.  INDUSTRIAL EDUCATION
B.S., A.M., Teachers College, Columbia University.

ASSOCIATE PROFESSORS

RACHEL ACREE, A.M.  HOME ECONOMICS
B.S., University of Kentucky; A.M., Teachers College, Columbia University.

ALBERT B. BECKER, A.M.  SPEECH
A.B., Western Michigan College of Education; A.M., University of Michigan.
VIOLET BEIGE, Ed.D.
A.B., Western Union College; A.M., University of Chicago; Ed.D., New York University.

HOWARD F. BIGELOW, A.M.
A.B., Wesleyan University; A.M., Harvard University.

CLARA M. CHIARA, Ph.D.
B.S., Miami University; A.M., Western Reserve University; Ph.D., Ohio State University.

ROBERT J. ELDREDGE, M.S.
B.S., Kalamazoo College; M.S., University of Chicago.

HARRY P. GREENWALL, A.M.
B.L., Ohio Wesleyan University; A.B., Western Michigan College of Education; A.M., Teachers College, Columbia University.

JOHN B. HEALEY, J.D.
B.C.S., Ph.B., A.M., J.D., DePaul University.

FRED S. HUFF, A.M.
A.B., Western Michigan College of Education; A.M., University of Michigan.

CHESTER L. HUNT, Ph.D.
A.B., Nebraska Wesleyan College; A.M., Washington University; Ph.D., University of Nebraska.

MATE GRAYE HUNT, A.M.
B.S. in Library Science, George Peabody College for Teachers; A.B., A.M., Southern Methodist University.

GEORGE A. KIRBY, A.M.
B.Ed., Western Illinois State Teachers College; A.M., Columbia University.

LAWRENCE G. KNOWLTON, Ph.D.
A.B., Oberlin College; Ph.D., Cornell University.

LESTER R. LINDQUIST, A.M.
B.S., A.M., University of Michigan.

MARGUERITE LOGAN, M.S.
A.B., Iowa State Teachers College; M.S., University of Chicago.

GEORGE G. MALLINSON, Ph.D.
A.B., A.M., New York State College for Teachers; Ph.D., University of Michigan.

CLAYTON J. MAUS, M.S.
B.S., Ashland College; M.S., University of Michigan.
WARREN J. McGONNAGLE, Ph.D.  
A.B., University of Nebraska; M.S., Ph.D., University of Oklahoma.

LEONARD V. MERETTA, M.M.  
B.M., M.M., University of Michigan.

CHARLES S. NICHOLS, A.M.  
A.B., Western Michigan College of Education; A.M., University of Michigan.

DON O. PULLIN, A.M.  
B.S., Wayne University; A.M., Teachers College, Columbia University.

ESTHER D. SCHROEDER, A.M.  
B.S., Bemidji State Teachers College; A.M., George Peabody College for Teachers.

THOMAS C. SLAUGHTER, A.M.  
B.S., Western Michigan College of Education; A.M., University of Michigan.

EDWIN B. STEEN, Ph.D.  
A.B., Wabash College; A.M., Columbia University; Ph.D., Purdue University.

JULIUS STULBERG, A.M.  
B.S., A.M., Michigan State College.

ADRIAN TRIMPE, A.M.  
B.S., Western Michigan College of Education; A.M., University of Michigan.

ROY J. WIEZT, A.M.  
B.S., University of Illinois; A.M., Columbia University.

ASSISTANT PROFESSORS

SAM B. ADAMS, A.M.  
A.B., University of Kentucky; A.M., Teachers College, Columbia University.

JOHN D. AMEY, JR., M.B.A.  
A.B., Western Michigan College of Education; M.B.A., University of Michigan.

JAMES O. ANSEL, Ed.D.  
A.B., Western Michigan College; A.M., Northwestern University; Ed.D., Teachers College, Columbia University.

GROVER C. BAKER, A.M.  
A.B., Michigan State Normal College; A.M., University of Michigan.
OWEN L. BERGER, A.M.  
Music  
B.M., M.M., Boguslawski College of Music; B.S., A.M., Teachers College, Columbia University.

JANE A. BLACKBURN, A.M.  
Education  

MARY BOTTJE, A.M.  
Physical Education for Women  
A.B., Western Michigan College of Education; A.M., University of Michigan.

HELEN BROWN, A.M.  
Physical Education for Women  
B.S., A.M., Northwestern University.

JOHN A. BUELKE, A.M.  
Education  
B.S., Oshkosh State Teachers College; A.M., Northwestern University.

FRANCES M. CARP, A.M.  
Psychology  
A.B., A.M., Stanford University.

SAMUEL I. CLARK, Ph.D.  
Political Science  
A.B., Ph.D., University of Chicago.

HERBERT E. ELLINGER  
Industrial Education

EDWIN S. FOX, B.S.C.E.  
Physics  
B.S.C.E., University of Michigan.

A. VERNE FULLER, A.M.  
Biology  
A.B., Albion College; A.M., University of Michigan.

EDWARD A. GABEL, B.S.  
Physical Education for Men  
B.S., Michigan State Normal College.

LORENA M. GARY, A.M.  
English  
A.B., Western Michigan College of Education; A.M., University of Michigan.

ETHEL M. GREEN, A.M.  
Music  
A.B., Ball State Teachers College; A.M., Teachers College, Columbia University.

MARIE T. GUDDE, B.S.  
Librarianship  
B.S., Kansas State Teachers College of Emporia.

DELDEE M. HERMAN, A.B.  
Speech  
A.B., Western Michigan College of Education.

FRANK C. HOUSEHOLDER, A.M.  
English  
A.B., Western Michigan College of Education; A.M., University of Michigan.
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Margaret S. Large, M.Ed.</td>
<td>A.B., Trinity College, University of Toronto; M.Ed., Wayne University.</td>
<td>Physical Education for Women</td>
</tr>
<tr>
<td>Donald M. Martin, A.M.</td>
<td>A.B., Hope College; A.M., University of Michigan.</td>
<td>English</td>
</tr>
<tr>
<td>Dorothy J. McGinnis, A.M.</td>
<td>B.S., Western Michigan College of Education; A.M., Ohio State University.</td>
<td>Psychology</td>
</tr>
<tr>
<td>Robert E. Miller, B.S.</td>
<td>B.S., Parks Air College.</td>
<td>English</td>
</tr>
<tr>
<td>Howard E. Mowen, A.M.</td>
<td>A.B., Baldwin-Wallace College; A.M., Western Reserve University.</td>
<td>History</td>
</tr>
<tr>
<td>Lucille A. Nobbs, A.M.</td>
<td>A.B., Kalamazoo College; A.M., University of Michigan.</td>
<td>English</td>
</tr>
<tr>
<td>Hazel I. Paden, A.M.</td>
<td>B.S., Massachusetts School of Arts; A.M., University of Syracuse.</td>
<td>Art</td>
</tr>
<tr>
<td>Marguerite Patton, A.M.</td>
<td>A.B., University of Toronto; B.M., Michigan State College; A.M., University of Toronto.</td>
<td>Economics</td>
</tr>
<tr>
<td>Joseph K. Peterson, A.M.</td>
<td>A.B., Vanderbilt University; A.M., Harvard University.</td>
<td>Mathematics</td>
</tr>
<tr>
<td>M. Elizabeth Smutz, A.M.</td>
<td>A.B., Oberlin College; A.M., Teachers College, Columbia University.</td>
<td>Art</td>
</tr>
<tr>
<td>Dorothea S. Snyder, A.M.</td>
<td>A.B., Western Michigan College of Education; A.M., University of Michigan.</td>
<td>Music</td>
</tr>
<tr>
<td>Opal Stamm, A.M.</td>
<td>A.B., Oberlin College; A.M., Teachers College; Columbia University.</td>
<td>Home Economics</td>
</tr>
<tr>
<td>Eulalia Toms, B.S.</td>
<td>B.S., Michigan State College.</td>
<td>Home Economics</td>
</tr>
<tr>
<td>Ruth Van Horn, A.M.</td>
<td>A.B., A.M., University of Michigan.</td>
<td>English</td>
</tr>
<tr>
<td>Louise J. Walker, A.M.</td>
<td>A.B., Alma College; A.M., Columbia University.</td>
<td>English</td>
</tr>
</tbody>
</table>
EDNA WHITNEY, A.M.  
B.S., Western Michigan College of Education; A.M., University of Michigan.

MYRTLE WINDSOR, A.M.  
A.B., A.M., University of Michigan.

ELSOWTH P. WOODS, Ph.D.  
A.B., University of Iowa; A.M., Ph.D., University of Iowa.

INSTRUCTORS

CHARLOTTE BISHOP, A.B.  
A.B., Western Michigan College.

GEORGIANN BURGE, A.M.  
A.B., North Texas State Teachers College; A.M., University of Michigan.

JACK C. ELLIS, A.M.  
A.M., University of Chicago.

MARY L. NELSON, B.S.  
B.S., Western Michigan College of Education.

NELLIE N. REID, A.M.  
A.B., State University of Iowa; A.M., University of Chicago.

EDWARD E. REYNOLDS, M.S.  
A.B., Olivet College; M.S., University of Iowa.

VISITING PROFESSORS

DOUGLAS D. BLOCKSMA, M.S.  
A.B., Calvin College; M.S., University of Michigan. Personnel Director, Grand Rapids Public Schools.

ROY C. BRYAN, Ph.D.  
A.B., Monmouth College; A.M., Teachers College, Columbia University; B.Ed., University of Cincinnati. Principal, State High School, Kalamazoo.

ALICE CAGNEY, A.M.  

TILMAN C. COTHRAH, Ph.D.  
A.M., University of Indiana; Ph.D., University of Chicago. Professor of Sociology, A. M. & N. College, Pine Bluff, Arkansas.

EDUCATION

Personnel Director, Grand Rapids Public Schools.

Principal, State High School, Kalamazoo.

Orthopedic Teacher, Harold Upjohn School, Kalamazoo.

Professor of Sociology, A. M. & N. College, Pine Bluff, Arkansas.
VISITING PROFESSORS

HANNAH HUNT, B.L.S.  
A.B., Earlham College; B.L.S., Western Reserve University. Young People's Librarian, Rockford Public Library, Rockford, Illinois.

LOUISE HITCHCOCK, M.S.  
A.B., Wellesley College; M.S., School of Retailing, New York University. Chairman of Department of Retailing and Distributive Education, Fairmont State College, Fairmont, West Virginia.

ROY O. HUNTER, A.M.  
B.S., A.M., Indiana State Teachers College. Professor of Business Studies, Indiana State Teachers College, Terre Haute, Indiana.

JAMES A. LEWIS, A.M.  

EMERSON O. MACARTHUR, A.M.  
B.S., A.M., Miami University. Professor of Industrial Arts, Miami University, Oxford, Ohio.

AVIS L. SEBALY, A.M.  

SARA R. SWICKARD, Ph.D.  
B.S., A.M., Ph.D., Ohio State University. Professor of Education, Queens College, New York City.

HAL THURN, M.F.A.  
B.A.E., Cleveland School of Art; M.F.A., Cranbrook Academy of Art. Art Instructor in Milwaukee High School, Milwaukee, Wisconsin.

FLORENCE R. VAN HOESEN, Ph.D  
A.B., University of Rochester; B.L.S., New York State Library School; Ph.D., University of Chicago. Professor of Library Science, Syracuse University.

HEALTH SERVICE

GAYLE POND, A.M., Director  
Presbyterian Hospital, Chicago; B.S., Northwestern University; A.M., Columbia University.
WALLACE BORGMAN, M.D., Medical Director.
A.B., Kalamazoo College; M.D., Northwestern University Medical School.

RICHARD A. WALKER, D.D.S., Dental Specialist
B.S., Kalamazoo College; D.D.S., University of Michigan.

ISABEL BEELER, R.N., Nurse
Ford General Hospital, Detroit; B.S., University of Michigan.

OLIVE JEAN HUSS, R.N., Nurse
Bronson Hospital, Kalamazoo; B.S., Western Michigan College of Education.

LIBRARY SERVICE

The General Library

KATHARINE M. STOKES, A.M.L.S., Librarian.
B.S., Simmons College; A.M.L.S., University of Michigan.

EDITH E. CLARK, A.B.L.S., Circulation Librarian,
A.B., Western Michigan College of Education; A.B.L.S., University of Michigan.

DOROTHY C. HICKEY, B.L.S., Reference Librarian.
B.L.S., Simmons College.

TAISTO JOHN NIEMI, A.B.L.S., Cataloging Librarian
B.S., A.B.L.S., University of Minnesota.

MAY PEARCE, B.S.L.S., Circulation Librarian
A.B., Grove City College; B.S.L.S., University of Illinois.
Librarian, Franklin Park High School, Chicago, Ill.

PAUL L. RANDALL, B.S.L.S., Circulation Librarian
A.B., Western Michigan College of Education; B.S.L.S., University of Illinois.

The Educational Service Library

WINIFRED CONGDON MACFEE, A.M., Librarian
B.S., Western Michigan College of Education; A.M., University of Michigan.

ADULT EDUCATION AND EXTENSION SERVICE

OTTO YNTEMA, A.M., Director
A.B., A.M., Hope College.
ROY C. BRYAN, Ph.D., Director
A.B., Monmouth College; A.M., Teachers College, Columbia Univer-
sity; B.Ed., Teachers College, Columbia University.

ELSIE L. BENDER, A.M.
B.S., A.M., Iowa State University.

RAYMOND C. DEUR, A.M.
A.B., Western Michigan College of Education; A.M., University of
Michigan.

MARY P. DOTY, M.M.
B.Mus., University of Michigan; M.M., Teachers College, Columbia
University.

CORA EBERT, A.M.
A.B., Iowa State Teachers College; A.M., Columbia University.

MARIE T. GUDDE, B.S.
B.S., Kansas State Teachers College of Emporia.

CHARLOTTE L. HYDE, A.M.
B.E., University of Vermont; A.M., Columbia University.

FRANK W. JERSE, M.S.
B.S., University of Illinois; M.S., University of Wisconsin.

MARGARET S. LARGE, M.Ed.
A.B., Trinity College, University of Toronto; M.Ed., Wayne Uni-
versity.

LESTER R. LINQUIST, A.M.
B.S., A.M., University of Michigan.

ROBERT E. MILLER, B.S.
B.S., Parks Air College.

LOUISE C. MYERS, A.M.
B.S., A.M., Teachers College, Columbia University.

HELEN I. ROTH, A.M.
B.S., Western Michigan College of Education; A.M., Teachers Col-
lege, Columbia University.

HESTER B. SKEHAN, A.B.
A.B., George Washington University.

RUTH E. J. SMYTHE, A.M.
B.S., Michigan State Normal College; A.M., University of Michigan.
GENERAL INFORMATION

THE FORTY-SEVENTH SUMMER SESSION

The forty-seventh summer session of Western Michigan College of Education will open Monday, June 26, 1950, and continue for six weeks until Friday, August 4, 1950. This will be the only session offered in the summer of 1950. The majority of the instructors will be members of the regular staff. Courses will be offered at both the undergraduate and graduate levels. Departments so arrange their work that it is possible for students to pursue sequences from summer to summer.

PURPOSE

Through its Summer Session, Western Michigan College of Education provides educational opportunities for each of various groups. An exceptional range of courses is offered in both teaching and non-teaching fields applicable to degrees and certificates at both the undergraduate and graduate levels. Although the summer session is of special value to teachers and those preparing to teach, those preparing for other occupations will find its courses adequate for their needs.

The summer session enables the experienced teacher to keep in touch with new developments in the educational world and 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 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 at Western Michigan College of Education since its foundation in 1903. In recent years, because of the emergency, the regular six weeks’ session has been supplemented with pre-summer and post-summer sessions. In the summer of 1949, 1468 undergraduates and 334 graduates were enrolled. At the close of the summer session 19 limited certificates were granted, and 56 degrees involving state provisional teaching certificates and 95 general degrees were conferred, with 17 state provisional teaching certificates granted to those with degrees previously conferred. Steadily increasing attendance indicates that these sessions have been found of distinct service both to prospective and experienced teachers and to those preparing for other fields of service as well.
GROUNDS AND BUILDINGS

LOCATION

Western Michigan College of Education is located at Kalamazoo, Michigan, a city of 60,000 people situated midway between Chicago and Detroit on the Michigan Central Railroad. Other railroads and three major highways make the College readily accessible from all points in the Middle West. The city offers students many cultural advantages such as strong churches, community concerts and lectures, a civic orchestra, and a civic theater.

GROUNDS

The campus comprises more than two hundred acres. The site is rolling and beautiful. The grounds are spacious enough, not only for the present facilities, but also for the new classroom buildings and dormitories now under construction. One of the unusual features of the campus is a nine hole golf course available to students. Another is the Kleinstueck Wild Life Preserve deeded to the State Board of Education by the late Mrs. Caroline Hubbard Kleinstueck. This preserve of fifty acres is freely used by classes and student groups for instructional and recreational purposes. Camps at Clear Lake and Pine Lake have been leased from the W. K. Kellogg Foundation and used throughout the year for educational purposes.

BUILDINGS

THE ADMINISTRATION BUILDING—This contains the administrative offices, the campus store, the Extension and the Graduate Division, the Department of Rural Education, and Western State High School.

THE LIBRARY BUILDING—The main reading room on the first floor accommodates 300 readers. A periodical reading room in the basement has seats for 50 readers. The Departments of Mathematics, Political Science and Librarianship have offices and classrooms in the basement and on the second floor. The library's book collection consists of 80,000 volumes. Some 575 periodicals are currently received and over 300 of them are bound regularly.

THE SCIENCE BUILDING—This houses the departments of Agriculture, Biology, Geography and Geology. Adjoining is a commodious greenhouse stocked with more than 200 species of plants from all parts of the world. Students in Biology also have available the Kleinstueck Wild Life Preserve and the Kellogg Bird Sanctuary.

STUDENT HEALTH AND PERSONNEL BUILDING—This is a recently constructed three story building housing the Health Service and certain student personnel activities. The Health Service includes examining rooms, treatment rooms, and infirmary rooms. The building also contains offices for the Deans of Men and of Women, and the Director of the Division of Personnel and Guidance. In addition there are quarters for the Psycho-Educational and the Speech Correction Clinics as well as the Educational Service Library and the Radio Broadcasting Studio.
GENERAL INFORMATION

THE THEATRE—This building contains an auditorium with a seating capacity of 350, two classrooms, dressing rooms, and rehearsal rooms.

THE INDUSTRIAL ARTS BUILDING—This is a modern fireproof structure offering facilities for specialization in the various industrial arts.

THE MECHANICAL TRADES BUILDING—This building was constructed with funds donated by a local Foundation. Its total floor area of 20,000 square feet is utilized in the teaching of the metal trades and aviation mechanics.

WALWOOD HALL UNION is the campus social center. It has all the modern dining and recreational features usually found in Union Buildings, such as a soda bar, cafeteria, private dining rooms, ballroom, committee rooms, etc.

HARPER MAYBEE MUSIC HALL—A new music building on the west campus houses choral and instrumental rehearsal room, rehearsal rooms for small ensembles, studios, practice cubicles, classrooms, music library, social room and offices for the music department.

KANLEY MEMORIAL CHAPEL—Made possible by a bequest from the estate of the late William Kanley, this building provides a chapel for students of all faiths, organ practice rooms, robing rooms, and offices for the director of religious education, and those officiating in the chapel.

WILLIAM McCracken Hall—This new four-story classroom building on West Campus provides lecture room and laboratory facilities for the departments of Chemistry, Physics, Art, Home Economics, Occupational Therapy, and Pulp and Paper Technology.

THE DORMITORIES—In recent years, the College has constructed several modern and beautiful dormitories.

HENRY B. VANDERCOOK HALL FOR MEN houses 200 residents.

LAVINA SPINDLER HALL FOR WOMEN houses 193 residents. Its exterior and interior design conform to the contour of the hill on which it is located. It has a most attractive lobby, three reception rooms, a large dining room and special facilities such as recreation rooms, music practice rooms, a laundry, three kitchenettes, two sunrooms, and an infirmary.

WALWOOD HALL RESIDENCE FOR WOMEN accommodates 115 girls. The rooms are double and the furniture is modern in style. Besides the beautiful lounge and a well-lighted dining room, there are reception rooms, a library, a sunroom and several recreation rooms.

BURNHAM HALLS FOR MEN—This new dormitory for men is in two units located in the new campus area. It provides accommodations for 500 residents.

BLANCHE DRAPER HALL AND LYDIA SIEDSCHLAG HALL FOR WOMEN are two new dormitories open in 1950. They are located on the West
Campus and provide gracious living for 500 girls. The twin dormitories are connected by a wide landscaped terrace. A common kitchen serves both units, but otherwise the dormitories are separate with separate directors and counsels.

The Training Schools—The Training Schools of Western Michigan College of Education are unique in that they include a wide range of typical schools: a one-room rural school, a consolidated school, a large village school, a city graded school, and a high school—thus approximating the types of schools students may expect to work in after graduation. These schools give the student an opportunity for observation of and directed teaching in any subject and in any grade from kindergarten to the twelfth grade inclusive. Transportation to the outlying schools is afforded by the college busses.

The Campus Elementary School includes a kindergarten; a room each for grades one to eight; a library; a gymnasium; and special rooms for art, music, and home economics.

The Campus High School serves a two-fold purpose in the field of secondary education. One major function of the school is to offer a broad curriculum in which teaching procedures designed by the leaders in the field of secondary education are put into practice. Another function is to offer an effective laboratory situation for training prospective teachers for secondary schools.

The Hurd One-Teacher Rural School is housed in a modern building, equipped with electric lights, running water, an extra room for directed teaching, and a basement community room with a stage, which may be used for indoor play.

The Paw Paw Large-Village School, organized on the six-three-three plan, is one of the best of its kind. Western Michigan College of Education and the Paw Paw Board of Education unite to make this school a progressive one in every particular.

The Portage Center Consolidated School, a twenty-three teacher school, organized on the eight-four plan, includes a kindergarten, all the elementary grades, and a high school.

The Athletic Plant—The Athletic Plant comprises the following:

Hyames Baseball Field with concrete stands seating 2500 spectators.

The Men's Gymnasium has adequate facilities for all indoor sports and for the programs in Physical Education. About 3,000 can be seated around the basketball court.

For their work in physical education the women of the college have the exclusive use of a gymnasium with a floor space of 119 feet by 68 feet.

In the basement are lockers, shower baths, and a swimming pool.
Twelve tennis courts are available. Six of these are Har-Tru.

Around the football field runs an eight-lane quarter-mile cinder track. The straightaway is 220 yards.

Waldo Stadium has two concrete stands, each capable of seating 7,500 people and reaching from goal line to goal line. There are a modern pressbox, locker rooms, officials’ rooms, and concession stands.

Arcadia Brook Clubhouse and Dining Hall—This recently remodelled building in the new campus area contains faculty club rooms and a cafeteria dining hall with a capacity for serving one hundred persons at a time.

Maintenance Building—This is a substantial two-story fireproof building containing offices of the maintenance staff, maintenance shops, and adequate storage space for maintenance equipment and supplies.

Hillsdale Apartments—These two buildings contain thirty-two modern faculty apartments. These vary in size from bachelor apartments to one and two bedroom apartments.

Temporary Buildings—The Federal Government has provided six buildings for instructional purposes with 45,000 sq. ft. of floor space. These buildings provide facilities for:

- Freshmen English classes
- Business Education
- Music
- Speech and Dramatics
- Industrial and Vocational Training
- Intramural and Recreation

Kleinstueck Wild-Life Preserve

In 1922, the late Mrs. Caroline Hubbard Kleinstueck deeded to the State Board of Education nearly fifty acres, including woodland, grassland, and a lake, about one mile from the campus, to be used as a wild life preserve.

The preserve is freely used by classes and student groups for instructional and recreational purposes.

A seventeen-year-old stand of pines covers portions of the area, while other portions are occupied by hardwood forest, swamp, and lake.

The area abounds in land and water birds and includes many of the native plant species of southern Michigan.

Michigan Veterans Vocational School

The Michigan Veterans Vocational School originated in 1944 through a lease drawn between the W. K. Kellogg Foundation, the State Office of
Veterans' Affairs, and the State Board of Control for Vocational Education, whereby the Foundation's Pine Lake Camp was turned over to the state for the purpose of a rehabilitation center for veterans of World War II, providing physical and occupational therapy, medical care, and vocational training. It is located 10 miles north and east of Plainwell, on the north side of Pine Lake, 22 miles from Kalamazoo. Western Michigan College of Education assumed the responsibility of operating the school November 1, 1945.

Instruction is available in machine shop, watch and clock repair, machine and architectural drafting, radio service and electronics, office practice including business administration, typing, shorthand, office machines, bookkeeping and accounting, typewriter servicing, printing and appliance servicing. Recent completion of a new shop building makes possible classes in woodworking, pattern making, welding and inspection, etc. Other vocational training courses will be added as needed.

Enrollment is a very simple procedure. Prompt consideration is given to any World War II veteran who is interested in any of the rehabilitation opportunities available at the Michigan Veterans Vocational School. One of the local community Veterans' Counselors or Rehabilitation Field Agents will assist the interested veteran to secure admission. The veteran may also enter through direct application to the school, Michigan Veterans Vocational School, Pine Lake, Doster, Michigan.
SUMMER WORKSHOPS AND CLINICS

AVIATION WORKSHOP

This workshop is designed to give elementary and secondary school teachers an overview of the educational, social, economic, and political implications of aviation on our present way of living. Teachers will be given an opportunity to acquire an understanding of basic principles and terminology of various phases of aviation and to study aviation activities that are suitable for various grade levels. Participants will be expected to develop units of aviation material that will be helpful to them in their own instructional program. Bibliographical literature, films, charts, and other aids will be available for use in the laboratory. Provision will be made for flight experience, field trips, demonstrations of aviation equipment, and special lectures by outstanding civilians and military aviation consultants.

READING WORKSHOP

For the fourth successive summer, Western Michigan College of Education is offering a reading-improvement program for both elementary and secondary teachers and administrators. This integrated program will emphasize all phases of the reading problem. Courses for credit in the psychology of reading and the detection and correction of reading disabilities will be offered. In addition to and supplementing these courses, the Psycho-Education Clinic is providing a series of reading demonstrations and discussions throughout the summer session. The purpose of these demonstrations is to show teachers at the various levels how to plan and carry out an integrated and systematic program for providing remedial and corrective work in reading. The latest types of technical materials for clinical purposes and instructional reading materials of all kinds will be available.

In each demonstration a child, teacher, and one of the parents will participate. A special attempt will be made to present and make clear such standard procedures as those employed by Monroe, Fernald, Dolch, and Betts. Mechanized equipment such as rate boards, the Harvard Reading Films, and the Tachistoscope will be presented. Discussions and demonstrations will be held in Room 103, MacCracken Hall.

PARENT EDUCATION WORKSHOP

Although open to students without teaching experience, the Parent Education Workshop, offered July 10-21, 1950, is especially designed for parents and in-service teachers. The policies, objectives and organization of the P. T. A. are to be covered. Special emphasis will be given to the techniques of group leadership; such as, methods of building programs for P. T. A. Councils and local units, of organizing parent education study groups, and of using local resources at P. T. A. meetings.
There will be demonstrations of techniques for conducting film forums, panels, symposiums, and other types of group discussion meetings. Methods of conducting committees and directing committee action programs are also to be stressed. Demonstrations will be made of the use of dramatic presentations and recordings. Students enrolled in the regular six-week Parent Education course will participate in the program of the workshop.

The workshop will be open to persons not desiring regular college credit. Those interested and qualified may receive two semester hours of undergraduate credit in 308 Parent Education.

Anyone desiring additional information may write to either the Extension Division or to the Director of the Summer Session at Western Michigan College.

SPECIAL EDUCATION WORKSHOP

The Workshop in Special Education was established to meet the needs of three groups of educational personnel: (1) Teachers and prospective teachers of all types of handicapped children. (2) Teachers in regular grades desiring courses pertaining to exceptional children. (3) Visiting teachers, social workers, school nurses, physio-therapists and occupational therapists who in the course of their work frequently encounter atypical children.

The Workshop seminars will include discussions of the medical, educational, vocational, and social problems of special class children with defective hearing, impaired vision, orthopedic involvements, and retarded mental development. Theory and method courses will be supplemented with class demonstrations and observations of handicapped children enrolled in the Workshop Demonstration School. Opportunities for practice teaching and for special research with any group of atypical children will be provided.

The presence on the campus of the Speech Clinic, the Psycho-Educational Clinic, and the Remedial Reading Workshop makes possible a varied and integrated program in Special Education.

DISTRIBUTIVE EDUCATION WORKSHOP

Western Michigan College has been designated by the State Board of Control for Vocational Education as the teacher training institution for the state in the field of Distributive Education. The Division of Vocational Education is offering to those already engaged and others interested in entering this field of work an opportunity to participate in a workshop next summer on the campus at Kalamazoo. The workshop is one of the first steps taken by the College in satisfying the need of the related subject teachers, coordinators and administrators for training in the operation of school-work programs. The workshop will run for three weeks, from June 27-July 15.

The areas to be covered during the workshop will be operational techniques, factual information and its application to the related instruction
in fields of textiles and display. Experts, nationally known in these areas, will compose the administrative staff for the workshop. Individuals enrolled should profit considerably and leave with additional skills in the instructional and operational phases of cooperative training in Distributive Education.

WORKSHOP FOR LUNCHROOM MANAGERS

A non-credit workshop for cooks and lunchroom managers will be conducted for three days, July 12-14. Rachel Acree and others will plan the program.

WORKSHOP FOR MACHINE SHOP TEACHERS

A special ten-day workshop for machine shop teachers will be held during the third and fourth weeks of the summer session, July 10-21. This workshop will attempt to present an integrated program of information, shopwork and problems from which any machine shop teacher will profit.
STUDENT SERVICE FACILITIES

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. On the assumption, however, 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.

STUDENT PERSONNEL AND GUIDANCE SERVICES

During the regular year both freshmen and upperclassmen are assigned to counselors for advice and counsel in planning their academic schedules. Such services are also available for students of the summer session upon application to the Director of Student Personnel and Guidance.

Departmental advisers give careful assistance to students on contents of majors and minors, on proper sequences of courses, and on other matters relating to the subjects taught in the various departments. Students are urged to avail themselves of the services of these departmental advisers whose names, locations, and office hours will be found listed in the Summer Session Schedule of Classes.

EMPLOYMENT FOR MEN AND WOMEN

Students interested in earning money with which to pay in part their expenses will be given advice and detailed information upon application. Students whose point-hour ratio is less than .8 are not eligible for campus employment. Off-campus employment for students is handled through the offices of the Dean of Men and the Dean of Women.

VETERANS COUNSELING SERVICES

A complete counseling service is maintained exclusively for veterans of World War II. Counselors assist veterans in enrolling and preparing the necessary papers for securing Veterans Administration subsistence.

The service is available throughout the school year and veterans avail themselves of the opportunity to secure information, gain assistance in
preparing papers and reports demanded by the Veterans Administration, filing applications for loans, and checking on many other matters in which they are interested.

**OCCUPATIONAL COUNSELING CLINIC**

The Occupational Counseling Clinic has as its primary objective the assistance of individuals in making suitable occupational choices. The Clinic serves both those who have not started a training program and those who desire a change to another course of training. Counseling covers all occupations and is not limited to those requiring degree training.

Any individuals desiring a complete discussion of their interests, aptitudes, and abilities as shown by education or work experiences and by scores on standard tests may seek help from this Clinic. Referrals are being made by college counselors, teachers, and employers who believe the person referred is not well placed occupationally. Individuals may also seek occupational counseling either general or for a specific objective.

It is also the plan of this Clinic to allow a few selected students the opportunity for observing and participating in the various phases of occupational counseling. Students who have not made specific vocational plans are urged to contact the Clinic early in their college careers. Trained counselors are available for helping students find themselves occupationally.

Those interested should contact Division of Student Personnel and Guidance, Room 118, Health and Personnel Building. Services are free to Western Michigan College students.

**HOUSING FOR WOMEN**

Women students of the summer session are required to live in residences approved by the office of the Dean of Women.

Request for information and application for a dormitory reservation should be addressed to the Office of the Dean of Women. The application must be accompanied by a $5.00 deposit.

**Lavina Spindler Hall— Residence for Women**

Room only
- Double rooms (each person for six weeks session) $24.00
- Double rooms rented as single for six weeks session 30.00

**Walwood Hall— Residence for Women**

Room only
- Double rooms (each person for six weeks session) $24.00
- Double rooms rented as single for six weeks session 30.00

For information and reservations for women, write to Dr. Elizabeth Lichty, Dean of Women.
HOUSING FOR MEN

Men students of the summer session are required to live in residences approved by the office of the Dean of Men.

Vandercook Hall, Western's dormitory for men, is available for men students upon making application to Mr. Ray C. Pellett, Dean of Men.

Henry B. Vandercook Hall—Residence for Men

Room only
Two in room (each person for six weeks session) ............ $24.00
Double rooms rented as single for six weeks session ......... 30.00

For information and reservation for men, write to Mr. Ray C. Pellett, Dean of Men.

THE COLLEGE CAFETERIA

Walwood Hall Cafeteria is maintained for student and faculty use. Wholesome food is provided here at low cost.

The Cafeteria hours are:

<table>
<thead>
<tr>
<th>Time</th>
<th>Meal</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 A.M. to 8:30 A.M.</td>
<td>Breakfast</td>
</tr>
<tr>
<td>11:00 A.M. to 1:15 P.M.</td>
<td>Lunch</td>
</tr>
<tr>
<td>5:00 P.M. to 6:30 P.M.</td>
<td>Dinner</td>
</tr>
<tr>
<td>12:15 P.M. to 1:45 P.M.</td>
<td>Sundays</td>
</tr>
</tbody>
</table>

CAMPUS STORE

Western's Campus Store exerts every effort to keep adequate stocks of all supplies needed by students for class work, as well as many other items for their convenience.

SERVICE TO FOREIGN STUDENTS

Students from many countries give a cosmopolitan atmosphere to Western's campus. Thirty-two citizens from France, Luxembourg, Norway, China, Bolivia, Puerto Rico, Guatemala, Nigeria, Poland, Tunisia, Costa Rica, Honduras, and Canada were enrolled in 1947-1948, and the number of foreign students will steadily increase.

Many of these students live in the dormitories with American roommates. They participate actively in the life of the college and of the Kalamazoo community.

The Committee on Education for International Understanding serves as counselor for the group.

STUDENT HEALTH SERVICE

Health is fundamental to the enjoyment of a student's college life and indispensable to his success as a teacher, or in other professional and
business careers. Health signifies the adjustment to living which comes from mental, emotional, and physical well-being.

The purpose of the student health service at Western Michigan College is to help students develop an appreciation of the essentials of healthful living and to assume the responsibility for intelligent self-direction and a knowledge of when to ask for expert advice.

The health fee, paid upon admission, entitles the student to the following services:

1. Medical examinations and conferences.
2. Dental examinations and conferences.
3. First-aid emergencies.
4. Care of minor ailments and followup treatments, as advised by the doctor during clinic hours.
5. Infirmary care at a moderate cost, if advised by the physician.
6. X-ray pictures, taken for a minimum fee.
7. Laboratory services and other clinical tests for diagnostic purposes.

The clinic is open for consultation and treatments from 8:00 A.M. until 4:30 P.M., Monday through Friday, and from 9:00 A.M. until 12:00 noon on Saturdays. The college physician is in the office for consultation from 9:00 until 11:00, Monday through Friday. The dentist is in the office on Tuesday and Thursday mornings each week.

Consultations and treatments given in the Health Service are free to the students, except for special medications and the materials used by the dentist; even these are purchased at wholesale rates, when possible, and the student is given the benefit of the lower cost.

SERVICES OF THE GENERAL LIBRARY

The General Library's collections consist of around 70,000 volumes, fully catalogued and available. Over 450 periodicals are currently received, and of these more than 230 are bound for permanent retention. It must be noted, however, that a library should be judged not so much by the volume of its holdings as by the quality and usefulness of the material it houses. In this respect the Western Michigan College Library may be said to hold a high rank according to the customary standards of evaluation.

Three of the seven professional librarians on the Library's staff devote their time exclusively to public service. The reference librarian's desk is occupied at all times from 8:00 A.M. to 5:00 P.M. and from 7:00 P.M. to 10:00 P.M. During the day a professional librarian is also on duty at the other two service points in the Library, the Circulation Desk and the Periodical Desk, and at other times these desks are in the hands of competent assistants.

The bookstacks (except the Closed Reserve) are open to all faculty members and graduate students and to any undergraduate student who has
a real need for going into the bookstacks and states that need to one of the librarians. Current numbers of periodicals, some bound periodicals, and a representative collection of reference books are on the shelves of the Reading Room where they are available to all patrons of the Library. Also in the Reading Room are special shelves containing selected religious books of current interest and recreational reading.

The Library staff frequently prepares bibliographies on matters of general interest and distributes them to students and faculty members. A mimeographed list of selected current accessions is distributed to all faculty members and to those students who may be interested. These lists are also sent to other libraries in Kalamazoo as a part of a general program of cooperation.

The Library serves not only resident students but also extension students, who enjoy the special privilege of a month-long period of loan. In addition, an attempt is made to extend the services of the Library to all areas of Southwestern Michigan, both rural and urban. The library has encouraged such groups as ministerial alliances to use the collection intensively, and an aggressive interest is taken by the librarians in making these groups aware of the available services. Inter-library loans are made to all libraries.

EDUCATIONAL SERVICE LIBRARY

The Educational Service Library, formerly the Textbook Library and Curriculum Bureau, Rooms 103 and 105, Health and Personnel Building, provides for students of teaching and education a representative collection of the latest editions of textbooks both in the elementary and secondary fields, texts for each of the common branches and special subjects, books in general education, professional books in the different subject areas, teaching and curriculum aids, source and reference material, a fine collection of elementary and secondary courses of study in all subject fields, children's literature, ephemeral materials in all subject fields, and current educational magazines. Loan service is provided and the open shelves aid in reference and research work.

The library serves not only the various departments on the campus, the undergraduate and graduate students in the various subject fields, but also students and teachers who desire help in the solving of problems in the workshop or in the field. In-service use is extended to conferences, visiting teachers, and correspondents.

LIBRARIANSHIP LABORATORY

In addition to the general college library and other campus libraries, a departmental laboratory is maintained for the Department of Librarianship. The collection consists of an extensive professional library of books and periodicals in library science, bibliography, and related fields; a representative collection of books for children, young people, and adults for use in the reading guidance courses; and selected audio-visual materials including
records, pamphlets, pictures, and slides illustrative of materials to be found in a library serving a modern school. This library serves the faculty and students of the Department of Librarianship in the selection, organization, and use of books and other teaching aids of value in work with children and youth.

**CARNEGIE GIFT OF BOOKS AND PICTURES**

A gift from the Carnegie Corporation of New York of books, photographic prints, color facsimiles, and etchings was presented to Western Michigan College of Education in the summer of 1939. This teaching and reference material has been carefully selected with a view to enriching a college library with books and illustrations not ordinarily afforded by colleges. The collection consists of 831 large, well-mounted photographs and 125 books, together with 30 colored reproductions, and portfolios containing illustrations of prints. This collection is housed in the Library.

**ART COLLECTION**

Through the courtesy of the family of the late Hon. Albert M. Todd, an interesting collection of pictures and fine porcelains gathered by Mr. Todd through many years is on exhibition in the Library Building. Many of the ceramics in the Todd collection have been used in the furnishing of the dormitories.

**PSYCHO-EDUCATIONAL CLINIC**

The purpose of the Psycho-Educational Clinic at Western Michigan College of Education is to provide psychological service for maladjusted children and adults, centering not only upon diagnosis but upon remedial measures as well. It is the plan of the clinic, whose laboratory is equipped with modern psychological apparatus, to train a number of competent students to deal with psycho-educational problems involving academic, social and emotional maladjustment and with educational and vocational counseling. The personnel cooperating in these clinical studies consists of a director, associate director, and three assistants, members of the Health Service, members of the Speech Clinic, and local psychiatrists, pediatricians, and ophthalmologists. The average case load month has consisted of approximately fifty-two clinical, advisory, and vocational problems. Approximately 34 per cent of these cases are referred by social and relief agencies in Michigan, 35 per cent by school authorities, 18 per cent by parents and relatives, 10 per cent by other persons and organizations, and 3 per cent by private physicians.

**READING LABORATORY**

Individuals wishing to improve their reading skill may spend from one to two hours in the Reading Laboratory on Tuesday and Thursday of each week. The personnel of the laboratory consists of the director and three technicians. Twenty-five basic assignments have been prepared, and each student is expected to proceed from assignment to assignment as his ability
permits. There are no lectures or discussion periods. The facilities of the Psycho-Educational Clinic will be drawn upon to provide clinical service whenever the student's needs warrant.

DIRECTED TEACHING FACILITIES

Opportunities or directed teaching will be available for a limited number of students during the morning hours of the summer session. The Campus Elementary School, with kindergarten and grades one through eight, will be open from 8:30 A.M. to 12:00 M. and some opportunities for directed teaching in selected secondary school subjects will be available at Central High School, Kalamazoo. Three semester hours of credit in directed teaching will be offered to students with experience who are unable to be in residence during the regular session. Application for enrollment for directed teaching in the elementary or secondary school should be made to the Director of Teacher Education well in advance of the opening of the session.

PLACEMENT BUREAU

The Placement Bureau is an institutional service maintained, primarily, to aid graduating students and alumni of Western Michigan College of Education in securing suitable teaching positions. Assisting in the work of the bureau is the Placement Committee, which consists of the Director of Teacher Education and members of the faculty who are in a position to know intimately the records of students in class work, directing teaching, and general school activities.

The Bureau aims not only to place its new graduates, but also to afford equally satisfactory replacement service to former graduates qualified for better positions. For superintendents who desire to fill positions requiring a greater degree of maturity and experience, a complete file of alumni is kept, including records of current teaching experience and advanced study in other institutions. Copies of these records are available to superintendents at the time they decide to interview prospective candidates. These credentials are also sent to school administrators upon their request.

In addition to serving the teaching graduates of Western Michigan College of Education, the service is also extended to the General Degree people who prefer positions other than teaching. Each year presents a greater demand on the Bureau for well-trained people who desire nonteaching positions.

All undergraduates are urged to enroll with the Placement Bureau before graduation even though they do not desire help in securing a position at that time. In many cases students who have been out for two or more years find that they desire help in securing a position.

ALUMNI ASSOCIATION

The Western Michigan College of Education Alumni Association was organized June 19, 1906, by the graduates of the first two classes of the col-
Forty-three classes are now associated in the organization with a total membership of more than 18,000. The Alumni Secretary's office is in the Administration Building. In this office information regarding any alumnus or alumna may be obtained.

Although the number of Western's graduates has become very large, ways and means of cultivating closer and more friendly relations among them are being developed rapidly. Unit organizations are encouraged in localities where there are enough members of the alumni to warrant such organizations. The alumni secretary is glad to assist in any plans of this kind.

EXTENSION DIVISION

Through the Extension Division, Western Michigan College of Education offers to capable students who are unable to be in residence opportunities to study for credit in absentia. Such credit, when combined with residence credit earned during the regular semester or a summer session, is accepted on certificate and degree-curriculum requirements. Non-credit enrollment is permissible for approved adults.

Special announcements bearing on the work of the Extension Division will be mailed to those interested if they address the Director of Extension, Western Michigan College of Education, Kalamazoo, Michigan.

AVIATION TEACHER EDUCATION

Due to the importance of aviation and its effect on the social, economic and political structure of the world at large, all teachers should have some understanding of aviation. In order that prospective and in-service teachers may secure a basic knowledge of aviation and be prepared to infuse pertinent aviation materials in the courses which they expect to teach, a sequence of aviation courses has been arranged for this purpose. Those who are particularly interested in aviation may take a minor in this area. For many students, one or two aviation courses are recommended.
Students may be admitted at the opening of any semester or summer session.

GENERAL QUALIFICATIONS

The college expects that those who enter will have shown intellectual capacity, and will be able to apply themselves to their studies and to work systematically. While definite evidence of intellectual capacity is indispensable, the college believes that, after such evidence is established, positive qualities of character and personality should operate as determining factors in admission. Each application will be carefully reviewed and much weight will be attached to character, personality, previous record, and promise, as well as to scholarly attainments. Satisfactory showing in scholarship alone is not of itself sufficient to guarantee admission. The college will arrange for personal interviews whenever possible.

Attendance at Western Michigan College of Education is considered a privilege and not a right. In order to safeguard its ideals of scholarship, character, and personality, the college reserves the right, and the student concedes to the college the right, to require the withdrawal of any student at any time for any reason deemed sufficient to the college.

CREDENTIALS SHOULD BE SENT IN ADVANCE

All students desiring admission to the college are urged to submit their problems of eligibility for entrance to the registrar, who will act upon each case individually.

High school credits should be sent to the registrar in advance, that there may be no delay when the student presents himself for registration and enrollment. A student who has not filed a copy of his high school credits in advance should present it at the time of registration.

A prospective student should confer with his high school principal regarding the filling out of an “Application for Admission” blank.

ENTRANCE FROM HIGH SCHOOLS

Approved by the Michigan State Board of Education, October 2, 1942.

1. Admission on Certificate

A graduate of a four-year high school accredited by the University of Michigan, will be admitted to Western Michigan College of Education provided he is recommended by the principal of the high school and meets conditions indicated below.

*It is expected that the principal will recommend not all graduates, but only those whose character, scholarship interests and attainments, seriousness of purpose, and intellectual promise are so clearly superior that the school is willing to stand sponsor for their success. The grade required for recommendation should be distinctly higher than that for graduation.
I. General

**Prescribed Preparatory Work**

A minimum of fifteen units is required for admission. Among these must be included certain major and minor sequences from the seven groups of subjects listed below, a major sequence consisting of three or more units, a minor sequence consisting of two or two and one-half units.

A minimum of four sequences must be presented, which must include a major sequence from Group A and at least one other major sequence. Not more than one of these required sequences will be accepted from any one group except Group B. Sequences may be presented from two languages.

A. **English**
   A major sequence of three or more units.

B. **Foreign Language Group**
   A major sequence consists of three or more units of a single language; a minor sequence consists of two or two and one-half units of a single language. The foreign languages acceptable for a sequence are Greek, Latin, French, German, and Spanish.

C. **Mathematics—Physics Group**
   A minor sequence in this group must include 1 unit of Algebra and 1 unit of Geometry. A major sequence is formed by adding to this minor sequence one or more from the following:
   - Advanced Algebra ½ unit or 1 unit
   - Solid Geometry ½ unit
   - Trigonometry ½ unit
   - Physics 1 unit

D. **Science Group**
   Any two units selected from the following constitute a minor sequence and any three or more units constitute a major sequence.
   - Physics 1 unit
   - Chemistry 1 unit
   - Botany 1 unit
   - Zoology 1 unit
   - Biology (Botany ½ unit and Zoology ½ unit) 1 unit

   If biology is counted in these sequences neither botany nor zoology can be counted.

E. **Social Studies Group**
   A total of two or two and one-half units selected from the following constitutes a minor sequence; a total of three or more units constitutes a major sequence.
   - Ancient History 1 unit
   - European History 1, 1½ units, or 2 units
   - American History ½ or 1 unit
   - American Government ½ unit
   - Sociology ½ unit
   - Economics ½ unit

1 Physics may not be counted in both Groups C and D.
2 English History may be included under European History.
3 Half units in the social studies are acceptable as part of a sequence only if taken in the 11th or 12th grade.
F. Vocational Studies

A total of two or two and one-half units selected from any one of the following constitutes a minor sequence; a total of three units of any one constitutes a major sequence.

- Agriculture
- Commerce
- Home Economics
- Industrial Arts

G. Fine Arts

A total of two or two and one-half units selected from any of the following constitutes a minor sequence; a total of three units of any one constitutes a major sequence.

- Music
- Art

The remaining units, required to make up the necessary fifteen units, are entirely elective from among the subjects listed above and from any others which are counted toward graduation by the accredited school, except that single half units in language and quarter units in any subject will not be accepted and at least ten of the total units must be from Groups A to E inclusive.

The registrar shall have the authority, with the consent and approval of the departments of instruction most immediately concerned, to accept other courses as substitutes for certain of the units listed in the various groups. Only courses well organized and competently taught will be considered, and any school desiring the privilege of such substitution for its graduates should furnish the registrar with detailed descriptions.

II. Approved Vocational Curricula

Michigan Colleges of Education admit graduates of high schools, without regard to major or minor sequences, to approved vocational curricula not leading to a degree.

1 Commercial subjects will be accepted as follows:
   - Typewriting, 1/2 or 1 unit
   - Elementary Business Training, 1 unit
   - Bookkeeping, 1 or 2 units
   - Shorthand, 1 or 2 units
   - Commercial Arithmetic, 1/2 unit
   - Commercial Law, 1/2 unit
   - Office Practice, 1/2 unit
   - Commercial Geography, 1/2 or 1 unit

2 Music subjects will be accepted as follows:
   - Band, 1 unit
   - Orchestra, 1 unit
   - Choir, 1 unit
   - Glee Club, 1/2 unit
   - Theory Class, 1 unit
   - History and Appreciation, 1 unit
   - Vocal or Instrumental Class Instruction, 1 unit

3 Art subjects will be accepted as follows:
   - General Art, 1 to 2 units
   - School Art Activities, 1/2 unit
   - Studio Art, 1 to 2 units
2. Admission by Examination

The fifteen units required for admission by examination must all be chosen from the five groups listed above and must meet the prescribed sequence requirement.

3. Partial Certificate—Partial Examination Plan

This plan is available only to a graduate of an accredited high school whose principal is willing to recommend him in a part of the required fifteen units. The candidate may, at the discretion of the registrar, be admitted on the basis of the principal's recommendation covering the units satisfactorily completed, plus examination covering the units in which he is deficient. For this purpose examinations will be provided only in the subjects listed in the five groups.

4. Admission Under the College Agreement Plan

The College agrees to admit the graduates of accredited high schools who have accepted the College Agreement of April 8, 1947, between Michigan College Association and the Michigan Secondary School Association without reference to the pattern of subjects which they have pursued, provided they are recommended by the school from among the more able students in the graduating class. This agreement does not imply that students must be admitted to certain college courses or curricula for which they cannot give evidence of adequate preparation.

ADMISSION AS A STUDENT NOT A CANDIDATE FOR A DEGREE

Applicants who meet all the specific requirements for admission to this college, and who wish to pursue special studies not leading to one of the degrees of this college, may, with the consent of the registrar, be permitted to enroll. Such students may elect courses totaling not less than twelve hours during each semester, for which they have the proper prerequisites. These students are subject to all of the general regulations covering scholarship and conduct.

TRANSFERRED STUDENTS

Western Michigan College of Education accepts students with advanced standing from other regularly accredited institutions. They are required to have mailed to the registrar, in advance, official transcripts of their credits, including statements of honorable dismissal. Students entering by transfer are required to maintain at least a "C" average while in residence, and, in addition, to remove any deficiency in honor points which may be involved.

The maximum amount of credit which may be accepted from a junior college is 60 semester hours. If a student has attended any college prior to his attendance at junior college, such hours earned will be deducted from the 60 hours he may present.

Students desiring to transfer to this college from other institutions of higher education must furnish complete official transcripts of their records,
listing all credits earned by them up to the beginning of the session they wish to attend. The student should request the registrar of each institution attended to submit the official transcript directly to the admission officer named above. These transcripts should include (1) a complete list of and the record obtained in the college courses pursued and (2) statements of honorable dismissal from the institutions attended. It is also necessary for the student to submit a personal application blank and to request his high school principal to submit an official statement of his preparatory record. Blanks for personal application and for the high school record may be secured from the admission officer named above. Consideration of admission on transfer is on the basis of the entire record of the student, both high school and collegiate. No part of the record may be disregarded.

There are no exceptions to this regulation. Students applying for admission for the summer session are urged to submit their credentials as early as possible.

Inquiries concerning admission from other institutions of higher education should be addressed to Mr. John C. Hoekje, Registrar, in charge of admissions on advanced standing.

Students with unsatisfactory scholarships or conduct records will not be admitted.

TRANSIENT STUDENTS

A student from another institution who is not transferring permanently to this college is required to submit an official statement from his college to the effect that he is in good standing at that institution. Those transferring permanently are, of course, required to submit official transcripts of credits earned in other institutions.

TRANSFER TO OTHER COLLEGES AND UNIVERSITIES

Graduates who have received the former five-year certificate or the new State Limited 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 who have received life certificates. A student who desires to earn a provisional 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 Michigan College of Education is fully accredited by the American Association of Teachers Colleges and by the North Central Association. The college is also on the approved list of the Association of American Universities.

TRANSIENT STUDENTS

A student desiring a transcript of his record in this college should write to the registrar, giving dates of attendance and, if a graduate, the date of graduation. He should give the full name under which he was enrolled.
Each student is entitled to one transcript of his record without charge, but all additional copies are charged for at the rate of one dollar a copy.

Schools and boards of education desiring transcripts of records of students of Western Michigan College of Education should furnish, together with their request, as much of the information indicated as possible.

IDENTIFICATION PHOTOGRAPH

When a student enrolls for the first time, he is required to have taken an identification photograph of which three copies are made. One copy 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.

COLLEGE-ABILITY TESTS

Tests of ability to do college work acceptably are required of each student upon entrance. This applies not only to freshmen but to upperclassmen as well. The results of these tests are not used as a part of the entrance qualifications, but are of service in advising students regarding their scholastic work. Credits will be withheld from students for whom there is no record of such entrance tests taken at this institution.

These qualifying examinations are used to predict the student's ability to do satisfactory academic work. The tests are also a measure of the student's ability to read and interpret content material at the college level. The ability to use language is the criterion for the predictions and interpretations of the tests. These examinations do not deal with specific subject-matter areas and no intensive preparation should be made by the examinee.

REGISTRATION, CLASSIFICATION, ETC.

All students are required, at the beginning of each semester or summer session to enroll with the registrar of the college, to pay their fees to the cashier of the college, and to file an election blank properly filled out, showing the courses they expect to pursue during the semester. The completion of the foregoing constitutes registration in this college.

GENERAL INSTRUCTIONS FOR ENROLLMENT

Before the beginning of each semester or summer session the registrar prepares a special form, giving full information for enrollment. A copy of this form may be obtained at the information table.

Enrollment for the summer session will occur on Monday, June 26. A circular giving detailed information relative to registration may be obtained at the Information Desk in the Women's Gymnasium or at the Administration Office.
STANDARD CLASS LOAD FOR SUMMER SESSIONS

The normal load for the six weeks session is six semester hours. Credit in excess of these amounts will not be granted unless permission to carry extra hours is obtained from the registrar prior to registration.

EXTRA HOURS

No student may enroll for more than six semester hours in the summer session without the permission of the registrar.

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 studies with mediocre success.

SUB-MINIMUM LOAD

Students desiring to carry less than four semester hours during the summer session must make application on the regular blanks provided for that purpose. These can be secured from the registrar.

CLASSIFICATION OF STUDENTS

Students at Western Michigan College of Education are classified officially as follows:

Freshmen—Students credited with 0.30 semester hours inclusive.

Sophomores—Students credited with 30-60 semester hours inclusive.

Juniors—Students credited with 60-90 semester hours inclusive.

Seniors—Students credited with more than 90 semester hours.

The above classification relates to eligibility for participation:

a. In class activities
b. As officers
c. In social affairs

WITHDRAWAL FROM COURSES

Necessary changes in enrollment must have been made by the end of the first week of the session.

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

Permission to drop courses will not be given upperclassmen after the end of the third complete week of a semester. Freshmen will not be allowed to drop courses after the end of the fourth complete week of a semester.

ABSENCES AND EXCUSES

The following constitutes the official rulings covering absences and excuses as authorized by the President, following discussion with the Faculty Council and the Scholarship Committee.
1. Students are responsible directly to their instructors for class and laboratory attendance as well as for petitions for excuses for absences.
2. Instructors must file weekly with the Deans detailed records of absences for a given week.
3. The Deans will maintain a cumulative record of absences, but will not issue excuses. These absences will be recorded also on the permanent record and in the placement bureau.

It is to be noted that students who anticipate being absent or who have had prolonged periods of absence should confer with the appropriate dean and give explanation concerning their cases. But such "explanations of absence" are not to be construed by instructors as constituting "excuses for absences."

HONORS IN COURSE

Honors in course are bestowed upon graduating students who have displayed special attainments in scholarship. Such honors are announced at a special convocation.

Recipients of honors receive their degrees:

*Cum laude* When having a point-hour ratio of 2.5 to 2.69 inclusive
*Magna cum laude* When having a point-hour ratio of 2.7 to 2.89 inclusive
*Summa cum laude* When having a point-hour ratio of 2.9 to 3.0 inclusive

In figuring point-hour ratios the following method will be used:

For all students attending from the beginning of the freshman or the sophomore year, semesters 3 to 7 inclusive will be counted.

For all students a minimum of 150 honor points earned here will be required.

Credits earned in correspondence and extension classes and transferred credits will not be counted toward honors.

REGULATIONS RELATING TO EXAMINATIONS

1. A final examination is given in every course in accordance with the schedule issued each semester. No examination may be held except as announced in this schedule, and no date of examination may be changed without special permission of the Examination Schedule Committee.
2. Students are required to take the examinations in all courses except such as they may have dropped with the consent of the registrar.
3. Students are in no case examined at any other time than that set for the examination of the class in which the work has been done. In case of unavoidable conflicts a special examination during examination week may be arranged by the instructor with the consent of the registrar.
4. A student desiring to take a second examination in a given subject must make formal application to the registrar at least ten days before the time for the second examination.
MARKING SYSTEM

Each course receives one grade, which combines the results of class work, tests, and examinations.

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 Hour of 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>*U</td>
<td>Unsatisfactory</td>
<td>Not to be counted</td>
</tr>
<tr>
<td>E</td>
<td>Failure</td>
<td>0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0</td>
</tr>
<tr>
<td>W</td>
<td>Withdrawn</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

Upon his entrance to the institution, after the acceptance of his entrance credentials a Student's Credit Book is made out for each student. It may be secured at the Records Office (Room 109, Administration Building). Freshman grades are mailed directly to parents by the registrar.

ATTENDANCE AT COMMENCEMENT

All students who complete the requirements for graduation and are entitled to receive degrees in August are expected to be present at the commencement exercises.

SCHOLARSHIP INDEX

The total number of honor points acquired divided by the total number of semester hours taken gives the scholarship index (courses repeated are counted each time taken).

STANDARD FOR GRADUATION

No student will be graduated on any curriculum if his scholarship index based on the work of that curriculum is less than 1.0.

*For Directed Teaching only.
LOW SCHOLARSHIP LIST

1. Any freshman whose point-hour ratio for any semester or summer session falls below 1.0 shall be warned; if the ratio falls below 0.6, he shall be automatically placed on probation. If, during this first semester of probation, his point-hour ratio rises above the 0.6 but falls below 1.0 he may, at the discretion of the Dean of Administration, be continued on probation for one more semester.

2. Any student beyond freshman standing whose point-hour ratio for any semester or summer session falls below 0.8, shall be automatically placed on probation. If he fails to maintain a 1.0 ratio during the first semester of probation but achieves a ratio of 0.8 or higher, he may, at the discretion of the Dean of Administration, be granted one more semester of probation.

3. No student may be restored to good standing until the point-hour ratio for any probationary semester has been raised to a minimum of 1.0.

4. No student may be granted a third consecutive semester of probation.

5. Any student who receives E in 75 per cent of the work attempted during a semester shall be automatically dropped from college.

6. In the case of a student who is dropped, at least one full semester shall elapse before the student is eligible for consideration for re-admission.

7. In administering the above regulations, the Dean of Administration has authority to permit deviations in unusual circumstances. He will, each semester, report to the President the progress of students granted such special dispensation.

HIGH SCHOLARSHIP LIST

To have his name placed on the High Scholarship List for a semester or summer session a student must have a point-hour ratio of 2.64 or more. No grade below B may be counted. Not more than eight semester hours in any one department may be counted. No more than five semester hours of B credit may be counted. Grades for non-credit courses (library methods, physical education, etc.) are not considered. The minimum number of hours to be taken must be fourteen semester hours.

CREDIT FOR BAND, GLEE CLUB, AND ORCHESTRA WORK

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

2. Eight semester 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 semester 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 participation in the Band for one semester is substituted for two and one-half class hours in physical education. (A class hour is to be interpreted to mean one hour of class work each week for one semester.)
5. Official enrollment cards must bear notations of work in music the student wishes to carry. Semester hour values must be indicated.

SIGNIFICANCE OF COURSE NUMBERS

I. Course numbering and availability

1. Courses numbered
   a. 100-199, inclusive, are primarily for freshmen;
   b. 200-299, inclusive, are primarily for sophomores;
   c. 300-399, inclusive, are primarily for juniors and seniors;
   d. 400-499, inclusive, are for seniors and graduate students;
   e. 500-599, inclusive, are for graduate students.

2. In general, students will be permitted to carry only courses numbered to correspond with their official classification. But exceptions may be made, with the approval of curricula advisers, for such reasons as maturity, experience, necessity of meeting prerequisites to other courses, etc.

II. Explanation of numbering

1. All consecutive, coherent courses are numbered similarly and lettered sequentially.
   All fundamental, consecutive, coherent courses are numbered as follows:
   a. The number 100 is reserved for fundamental courses having no high-school prerequisite.
   b. The number 101 is reserved for fundamental courses having as prerequisites one year (or fraction thereof) of high-school work.
   c. The number 102 is reserved for fundamental courses having as prerequisites two years of high-school work.
   d. The number 103 is reserved for fundamental courses having as prerequisites three years of high-school work.
   e. The number 104 is reserved for fundamental courses having as prerequisites four years of high-school work.

3. All other courses primarily intended for freshmen are numbered serially beginning with 105.

4. Prerequisites for all courses numbered 200-399, inclusive, may be found in the "details of Department Courses" as printed in the current college catalog.

5. All consecutive courses are numbered sequentially.

6. Numbers 300-302 inclusive are reserved for courses which are offered in departments other than the Department of Education, the so-called "professional courses."

7. Courses offered as subdivisions of a given department are designated by numbers grouped by decades.

Note.—The courses under d and e above give, within parentheses, the University of Michigan numbers.
8. A course offered off-campus for residence credit has the letters *R.Cl* added to the number.

9. To the number of a course available by class extension there is added *Cl*.

10. To the number of a course available by correspondence there is added *Co*.

**CREDIT IN SEMESTER HOURS**

The unit of credit is the semester hour; the number of semester hours credit given for a course generally indicates the number of class periods a week.

Classes which meet one hour a week for one regular semester will be given 1 semester hour of credit.

Classes which meet two hours a week for one regular semester will be given 2 semester hours of credit.

Classes which meet three hours a week for one regular semester will be given 3 semester hours of credit.

Classes which meet four hours a week for one regular semester will be given 4 semester hours of credit.

A minimum of 60 semester hours of credit is required for a State Limited Certificate in the two-year Rural Elementary Curriculum, and 120 semester hours of credit for the A.B. or B.S. degree.

Six semester hours is the standard class load for a summer session.

*No credit will be given for a course (even if pursued successfully) for which the student is not officially registered.*

**CLASS PERIODS FOR SUMMER SESSIONS**

<table>
<thead>
<tr>
<th>Period</th>
<th>Time</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Period</td>
<td>7:30-9:10</td>
<td>100 minutes</td>
</tr>
<tr>
<td>Second Period</td>
<td>9:30-10:20</td>
<td>50 minutes</td>
</tr>
<tr>
<td>Third Period</td>
<td>10:40-12:20</td>
<td>100 minutes</td>
</tr>
<tr>
<td>Fourth Period</td>
<td>12:40-1:30</td>
<td>50 minutes</td>
</tr>
<tr>
<td>Fifth Period</td>
<td>1:50-3:30</td>
<td>100 minutes</td>
</tr>
<tr>
<td>Sixth Period</td>
<td>3:50-4:40</td>
<td>50 minutes</td>
</tr>
</tbody>
</table>

**PLAN FOR SCHEDULING CLASSES**

1 hour credit ........................................ Three 50-minute periods weekly
2 hours credit ....................................... Five 50-minute periods weekly
3 hours credit ....................................... Four 100-minute periods weekly
4 hours credit ....................................... Five 100-minute periods weekly
EXPENSES

FEES FOR UNDERGRADUATES

Tuition Fees

Schedule of tuition fees for the Summer Session, 1950:

<table>
<thead>
<tr>
<th>Hours</th>
<th>Resident*</th>
<th>Non-Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3 semester hours</td>
<td>$7.50</td>
<td>$12.50</td>
</tr>
<tr>
<td>4-6 semester hours</td>
<td>15.00</td>
<td>25.00</td>
</tr>
<tr>
<td>7-9 semester hours</td>
<td>22.50</td>
<td>37.50</td>
</tr>
<tr>
<td>10 or more semester hours</td>
<td>25.00</td>
<td>42.50</td>
</tr>
</tbody>
</table>

*RESIDENCE REQUIREMENTS

Residence in Michigan for the purpose of registration shall be determined according to the state constitutional provision governing the residence of electors (See Article III, Sections 1 and 2); that is, no one shall be deemed a resident of Michigan for the purpose of registration in the college unless he has resided in this state six months next preceding the date of his proposed enrollment, and no person shall be deemed to have gained or lost a residence in this state while a student in the college.

The residence of minors shall follow that of the legal guardians.

The residence of wives shall follow that of their husbands.

Persons of other countries who have taken out their first citizenship papers and who have otherwise met those requirements for residence shall be regarded as eligible for registration as residents of Michigan.

It shall be the duty of every student at registration, if there be any possible question as to his right to legal residence in Michigan under rules stated above, to raise the question with the registration officer and have such question passed upon and settled previous to registration.

Local Fees

Schedule of local fees for the Summer Session, 1950:

<table>
<thead>
<tr>
<th>Hours</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3 semester hours</td>
<td>$20.00</td>
</tr>
<tr>
<td>4-9 semester hours</td>
<td>20.00</td>
</tr>
<tr>
<td>10 or more semester hours</td>
<td>20.00</td>
</tr>
</tbody>
</table>

These local fees are collected each session for the support of student activities, health service, student union, library purposes, departmental laboratories, identification photograph, cap and gown, diploma, etc.

There is a special departmental music fee for Applied Music of $20.00. A $5.00 deposit on all instruments used. This deposit is refunded upon return of the instrument.

Late Enrollment Fee

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

Auditors Fees

Auditors (students who attend classes but do not desire credit) are governed by the same regulations as are students desiring credit.
Refunds

1. No refund of fees will be granted unless applied for within one month after withdrawal.

2. A student who withdraws not more than one week after registration will be entitled to a refund of the entire fee.

3. A student who withdraws more than a week and less than two weeks after the beginning of the session shall be entitled to a refund of one-half the fee.

4. A student who withdraws more than two weeks and not later than three weeks after the beginning of the session will be entitled to a refund of forty per cent of the fee.

5. No refunds will be made for withdrawal after the third week of a summer session.

6. No refund will be made to a student eligible for benefits under Act 245 of the Public Acts of 1935, as amended, unless request is made not more than one week after registration.

ESTIMATE OF NECESSARY EXPENSES

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

<table>
<thead>
<tr>
<th>Expense</th>
<th>Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room (one-half of a double room)</td>
<td>$24.00 to $30.00</td>
</tr>
<tr>
<td>Board</td>
<td>60.00 to 84.00</td>
</tr>
<tr>
<td>Laundry</td>
<td>0.00 to 15.00</td>
</tr>
<tr>
<td>Textbooks and supplies</td>
<td>15.00 to 25.00</td>
</tr>
<tr>
<td>Incidentals</td>
<td>12.00 to 24.00</td>
</tr>
<tr>
<td>Tuition and fees</td>
<td>27.50 to 45.00</td>
</tr>
<tr>
<td><strong>Total for 6 weeks</strong></td>
<td><strong>$138.50 to $223.00</strong></td>
</tr>
</tbody>
</table>
UNDERGRADUATE DIVISION CURRICULA

REGULATIONS RELATING TO CURRICULA

OBJECTIVES AND GENERAL SCOPE OF CURRICULA

The Constitution of the State of Michigan places the Michigan Colleges of Education under the authority of the State Board of Education.

From time to time the Legislature has defined the objectives and scope of work of the Colleges of Education. It has repeatedly declared that the purpose of these institutions "shall be the instruction of persons in the art of teaching and in all the various branches pertaining to the public schools of the state of Michigan."

The Michigan Colleges of Education have always stood and do now stand for two things paramount and inseparable in an institution for the training of teachers:

1. A thorough grounding in such fields of study as may lead to the intellectual growth of the student.

2. A thorough grounding in the science and art of teaching attained by sufficient actual teaching under direction.

The program of study outlined for the first and second years in the curricula of the Michigan Colleges of Education is organized to serve, among others, the following purposes:

1. To provide the student with essential factual information; to give him an introduction to methods of thought and work and to provide such opportunities for study and growth as may lead to a well-rounded general education.

2. To prepare the student for undertaking the more advanced and specialized work embraced in the curricula of the third and fourth years of the Colleges of Education or for more advanced work elsewhere.

This program represents sixty semester hours of work, at least half of which must fall in Groups I, II, III. The student must complete during the first year at least six semester hours of Rhetoric and at least fifteen semester hours from Groups I, II, III.

The program for the third and fourth years is designed to enable the student

1. To pursue more extensively and intensively courses which acquaint him with the fields of his special interest and which broaden his general education.

2. To pursue a curriculum designed to give him the knowledge and skills necessary for teaching in a specific field.

Admission to the program of the third and fourth years is based upon the satisfactory completion of the work outlined above or upon evidence of equivalent work done satisfactorily elsewhere. In addition the student
must satisfy such special tests or examinations as may be prescribed to determine his general intelligence, scholastic aptitude, and fitness for the teaching profession.

SUBJECT GROUPINGS

The Instructional Departments of the Michigan Colleges of Education are classified in groups as follows:

Group I. Language and Literature
   Ancient language and literature, English language and literature, modern language and literature, certain courses as indicated in the Departments of Librarianship and Speech.

Group II. Science
   Anatomy, astronomy, biology, botany, chemistry, geography, geology, hygiene, mathematics, nature study, physics, physiology, psychology, zoology, certain courses as indicated in the Department of Agriculture.

Group III. Social Science
   Economics, history, philosophy, political science, sociology, certain courses as indicated in the Department of Librarianship.

Group IV. Education
   Education (includes methods courses and directed teaching), certain courses as indicated in the Department of Librarianship.

Group V. Fine Arts
   Art, music, and certain courses in occupational therapy.

Group VI. Practical Arts
   Agriculture, business education, home economics, industrial arts, military science, certain courses as indicated in the Department of Librarianship, and certain courses in occupational therapy.

Group VII. Physical Education and Health
   Health, physical education.

DEGREES DEFINED

BACHELOR OF ARTS (WITH OR WITHOUT TEACHING CERTIFICATE)

The student who regularly completes a curriculum conforming to the degree requirements and embracing at least 70 semester hours from Groups I, II, and III, including at least 8 semester hours in one foreign language, is eligible for the degree of Bachelor of Arts. If two or more units of one
foreign language are presented for entrance, the requirements for foreign language may be waived.

**BACHELOR OF SCIENCE (WITH OR WITHOUT TEACHING CERTIFICATE)**

1. The student who regularly completes a curriculum conforming to the degree requirements and embracing 42 hours or more in the first three groups (the minimum group requirements in Groups I, II, III) is eligible for the degree of Bachelor of Science.

2. The student who otherwise qualifies for the degree of Bachelor of Arts and who has earned at least 54 semester hours in Group II and at his option receives either the degree of Bachelor of Science or the degree of Bachelor of Arts.

**BACHELOR OF MUSIC (AND TEACHING CERTIFICATE)**

The student who completes a curriculum as outlined by the Department of Music with a major in Public School Music is eligible for certification. A total of 128 semester hours is required for graduation. The student must include 20 semester hours in a single field of Applied Music, which will be offered as his first minor. The second minor must be in a non-music area.

**BACHELOR OF MUSIC (WITHOUT TEACHING CERTIFICATE)**

Students who indicate by their placement examination certain levels of proficiency will be accepted as majors in the various fields of Applied Music or Composition. A total of 128 semester hours is required for graduation and must include specific requirements as indicated in the curricular outline as well as major and minor requirements as approved by the Department of Music.

**GENERAL DEGREE (WITHOUT TEACHING CERTIFICATE)**

Students who do not have in mind preparation for teaching may elect basic courses which provide a general education or which satisfy preliminary requirements for other professional curricula. When such a program of work is carried on for four years and conforms to the degree requirements stated on page 65 except the professional requirements in Group IV, the degree of Bachelor of Arts or Bachelor of Science may be granted without the teaching certificate.

**SECOND BACHELOR'S DEGREE**

A graduate of Western Michigan College of Education with the degree of Bachelor of Music or Bachelor of Science who subsequently becomes a candidate for the degree of Bachelor of Arts, or vice versa, is required, in addition to the credits he already has, to complete 30 semester hours of resident credit and to satisfy any other specific requirements for the degree.
DEGREE REQUIREMENTS

Any curriculum leading to the Bachelor's degree and teacher's certificate consists of at least 120 semester hours of credit and must include

- Group I: at least 12 semester hours
- Group II: at least 12 semester hours
- Group III: at least 12 semester hours
- Group IV: at least 20 semester hours
- Rhetoric: at least 6 semester hours

The remaining semester hours may be selected from the courses regularly offered by the college, subject to the following restrictions:

1. Not more than 40 semester hours may be taken in any one subject.
2. At least three-fourths of the work beyond the second year must be in courses not open to first year students.
3. The student must complete a major subject of at least 24 semester hours and at least two minor subjects of not less than 15 semester hours. (A candidate for the elementary provisional certificate may present, instead, 4 minors, 15 semester hours each.) Credits in the required English composition and credits in Education which are required in general on all curricula do not count toward majors or minors.
4. No candidate is eligible for the Bachelor's degree who has not done at least 30 semester hours of work in residence and who has not been in residence during the semester or summer session immediately preceding graduation. (An exception is made in the combined pre-professional curricula.)
5. Courses may be selected so that the requirements in some one of the provisional certificate curricula are fulfilled.
6. Students who wish to qualify for the Bachelor's degree without the teachers' certificate will not be required to take the work prescribed under Group IV but must satisfy all the other requirements.

MAJOR AND MINOR REQUIREMENTS AND REGULATIONS

REQUIREMENTS

A major is a sequence of courses totaling a minimum of 24 semester hours; a minor is a sequence of courses, totaling a minimum of 15 semester hours. Under certain conditions students may elect beyond this minimum up to a maximum of 40 hours offered by any department. In the Division of Science and Mathematics and in the Division of Social Sciences group majors and group minors are permitted.

1. General Degree (without Teaching Certificate). The academic training shall include a major and two minors.
2. Bachelor's Degree and State Elementary Provisional Certificate. The academic training shall include four minors, or a major (may be a group
major) and two minors. The equivalent of two minors must be in subjects or subject fields taught in the elementary grades.

3. Bachelor’s Degree and State Secondary Provisional Certificate. The academic training shall include one major and two minors, in subjects or subject fields in which the applicant expects to teach.

REGULATIONS AND SUGGESTIONS

1. In the latest Annual Catalog see the introductory statement for each department preceding its description of courses, for its approved major and minor course sequences. Students should consult the departmental advisers for approval of their major and minor programs.

2. All secondary students shall be known as “majors” in the fields of selected departments, e.g., Home Economics, Art, Mathematics, English, etc. If a student chooses to elect a major in each of two or more departments, he will be listed accordingly, e.g., Art and English; Industrial Arts Education and Mathematics, etc.

3. Decision concerning field of majors must always be made by students before the close of sophomore year or beginning of junior year.

4. Decision concerning pursuance of elementary or secondary curriculum must be made by the close of freshman year or beginning of sophomore year.

5. In certain cases, “group” majors totaling a minimum of 30 semester hours and “group” minors totaling a minimum of 20 semester hours are allowed. They usually consist of courses selected from the related departments of a division, (See the Division of Social Sciences and the Division of Science and Mathematics). Students should consult the chairmen of the divisions relative to these group majors and group minors.

6. Group requirements (Groups I, II, and III) of the several curricula may be satisfied through the use of major and minor sequences. Likewise short sequential requirements of some of the curricula may sometimes be included as parts of major or minor groupings.

7. Minors may often be related to majors, so as to recognize naturally or closely related fields; for example, mathematics and physics, history and geography, literature and history, etc.

8. Students who wish to major in any of the “special” fields (art, business education, home economics, industrial arts education, librarianship, music, occupational therapy, physical education, and special education) are advised to follow the same procedure as indicated in item 1.

Attention is called to the regulation of the State Board of Education as to the “special” fields which lead to certification in both elementary and secondary grades, when the candidate qualifies in both fields. In respect to this, Western Michigan College of Education at present prepares students in the fields of art, music, and physical education for women.
RESTRICTIONS

1. It is usually not permissible to use education as a major or minor in any undergraduate curriculum.

2. The following courses are not to be counted as satisfying major and minor requirements:
   a. Required courses in rhetoric (See Group I).
   b. Uniformly required courses in education from Group IV: Human Growth and Development 251, Introduction to Directed Teaching 240 or 351, and Directed Teaching, Laboratory in Education, and General Education Problems 370 A, B, C.
   c. Professional courses numbered 300 to 302. These are courses in teaching school subjects.

3. A combination of foreign languages, or of English or American literature with a foreign language, is not permissible. The major or minor must be in one language only.

4. Mathematics may not be combined with Science (physics, geography, chemistry, biology) for a major or minor sequence.

REQUIREMENTS FOR GRADUATION

The State Board of Education for the State of Michigan, on recommendation of the president and faculty of Western Michigan College of Education, confers degrees and grants teachers' certificates as follows:

I. BACHELOR'S DEGREES

1. Bachelor of Arts
2. Bachelor of Music
3. Bachelor of Science

For the degrees of Bachelor of Arts and Bachelor of Science, the candidate shall present:
1. Credits satisfying a prescribed curriculum for a total of 120 semester hours.
2. Thirty semester hours of satisfactory work in residence at this institution.
3. Residence at this institution during the semester or summer session immediately preceding graduation.

For the degree of Bachelor of Music, the candidate shall present the number of semester hours and course sequences as stipulated in the requirements of that curriculum.
II. TEACHING CERTIFICATES

The following types of teaching certificates are granted:

1. State Elementary Provisional Certificate
2. State Secondary Provisional Certificate

1. State Elementary Provisional Certificate
   a. This certificate qualifies the holder to teach for a period of five years from date of issue in the elementary grades (kindergarten to eighth) in any public school in Michigan.
   b. The candidate must meet the requirements for a degree as defined above.
   c. The holder of the State Elementary Provisional Certificate may be issued the State Elementary Permanent Certificate when the candidate shall have met the following conditions:
      1) Application must be made to the college within one year following the expiration of the State Elementary Provisional Certificate.
      2) The candidate must submit satisfactory evidence that he has taught successfully during the life of the certificate for not less than three years in elementary schools in the State of Michigan.
      3) The holder of an Elementary Provisional Certificate issued after July 1, 1945, must have earned in addition 10 semester hours of acceptable college credit.
   d. For procedure for permanent certification see below.

2. State Secondary Provisional Certificate
   a. This certificate qualifies the holder to teach for a period of five years from date of issue in the secondary grades (seventh to twelfth) in any public school in Michigan, in subjects or subject fields indicated on the certificate.
   b. The candidate must meet the requirements for a degree as defined above.
   c. The holder of the State Secondary Provisional Certificate may be issued the State Secondary Permanent Certificate provided the candidate shall have met the following conditions:
      1) Application must be made to the college within one year following the expiration of the State Secondary Provisional Certificate.
      2) The candidate must submit satisfactory evidence that he has taught successfully during the life of the certificate for not less than three years in secondary schools in the state of Michigan.
      3) The candidate must have earned in addition 10 semester hours of acceptable college credit.
   d. For procedure for permanent certification see below.
3. State Limited Certificate
   a. This certificate qualifies the holder to teach in the state of Michigan for a period of three years from the date of issue in any school district except a school district which maintains an approved high school. (See “Important Directions to Holders of Limited Certificates Based on the Michigan Teachers’ Certification Code,” below.)
   b. The candidate shall present credits satisfying a prescribed curriculum aggregating 60 semester hours.
   c. The candidate shall have satisfactorily completed in residence at this institution 15 semester hours.
   d. The candidate shall have been in residence at this institution the semester or summer session immediately preceding graduation.

III. PROCEDURE FOR PERMANENT CERTIFICATION

The holder of an Elementary Provisional or Secondary Provisional Certificate, who has fully met the requirements, may be issued a Permanent Certificate. Below is outlined the procedure to be followed:

1. The candidate will
   a. obtain from Western Michigan College of Education an application blank. This may be done after three years of teaching under the Provisional Certificate, but it must be done within one year following the expiration of the Provisional Certificate;
   b. fill out the application as required and return it to the college;
   c. return with the application blank his Provisional Certificate with his Teacher’s Oath attached.

2. The college will
   a. investigate the qualifications of the candidate to ascertain if he satisfies requirements for permanent certification;
   b. recommend the candidate to the State Board of Education for permanent certification if his qualifications are found satisfactory;
   c. deliver to the candidate the Permanent Certificate properly executed.

IV. MISCELLANEOUS PROVISIONS REGARDING CERTIFICATES

1. 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:
   a) Toward the Provisional Certificate, 25 semester hours;
   b) Toward the State Limited Certificate, 25 semester hours.

2. Not more than one-fourth of the number of hours necessary for any certificate or degree may be taken in extension or by correspondence or both. Such credit, however, cannot be applied to modify the minimum or final residence requirements.
3. No teacher's certificate will be granted to any person who is less than eighteen years of age.

4. No teacher's certificate will be granted to any person who is not a citizen of the United States or who has not declared his intention of becoming a citizen.

**DIRECTIONS TO HOLDERS OF LIMITED CERTIFICATES**

No person can be employed to teach in any school district unless he is legally qualified by holding a valid certificate. In order that the holder of any limited certificate may retain without interruption his status as a legally qualified teacher, he must make application for renewal to the State Board of Education between April 1 and September 1 of the year the certificate expires; if the candidate on the expiration of the certificate does not arrange for renewal as here stated, he will forfeit his status as a legally qualified teacher, and therefore will not be permitted to teach. He will, however, remain eligible to make application for renewal until June 30 of the year following expiration of his certificate after which date renewal privileges are canceled.

A. To the holder of the State Limited Certificate or of the State Limited Renewal Certificate.

1. The holder of a State Limited Certificate may be issued (five times) a State Limited Renewal Certificate provided the candidate shall have met the following conditions:

   (a) Subsequent to the date of issue of the last certificate held, the candidate must have acquired 10 semester hours of credit, of an average grade of "C" or better, earned in an institution or accepted by an institution approved by the State Board of Education. These credits must be applicable toward the requirements of the curriculum prescribed for the State Provisional Certificate eventually desired.

   (b) In order to assure that the credits earned toward renewal will apply on the State Provisional Certificate curriculum at the institution where the candidate intends to qualify eventually for that certificate, **the candidate should arrange in advance in each case to have his course selections approved by that institution.** Also all credits wherever earned should be submitted to that institution for evaluation and by it transmitted to the State Board of Education with recommendations.

B. To the holder of the County Limited Certificate or of the County Limited Renewal Certificate.

1. The holder of a County Limited Certificate may be issued (two times) a County Limited Renewal Certificate, each valid for two years provided the candidate shall have met the following conditions:
(a) Subsequent to the date of issue of the last certificate held, the candidate must have acquired 10 semester hours of credit, of an average grade of "C" or better, earned in an institution or accepted by an institution approved by the State Board of Education. These credits must be applicable toward the requirements of the curriculum prescribed for the State Limited Certificate and for the State Provisional Certificate.

(b) In order to assure that the credits earned toward renewal will apply on the State Limited Certificate curriculum and on the State Provisional Certificate curriculum at the institution where the candidate intends to qualify for either certificate, the candidate should arrange in advance in each case to have his course selections approved by that institution. Also all credits wherever earned should be submitted to that institution for evaluation and by it transmitted to the State Board of Education with recommendations.

ADDITIONAL REGULATIONS

1. All freshmen must carry Rhetoric 106 A, B.

2. At the end of the sophomore year all students except those enrolled in the two-year curricula must have had at least 12 class hours of physical education.

3. In general, freshmen should not elect two courses in a single department in the same semester. No student should elect more than 8 semester hours in a single department in the same semester.

4. All students who expect to receive a degree must present at least 6 semester hours of credit in rhetoric.

5. Before being admitted to the regular program of work of the third year, a candidate for a teaching certificate shall have earned at least 8 semester hours in each of the Groups I, II, and III. He shall have maintained at least a "C" average for work already completed and shall give evidence of his fitness for teaching.

6. To satisfy the minimum requirements in Groups I, II, and III, the student shall not present a series of isolated courses.

7. All students who expect to obtain a degree and teaching certificate are required to present credits in the following courses: Human Growth and Development 251, Introduction to Directed Teaching 240 or 351, and Directed Teaching, Laboratory in Education, and General Educational Problems 370 A, B, C.

8. A student will not be permitted to carry directed teaching unless his point-hour ratio is at least 1.0.

9. All students must take the equivalent of six hour lectures in political science. This is a legal requirement.

Note.—More complete information concerning the several teachers' certificates may be obtained from Bulletin No. 601, Teachers' Certificate Code, published by the Superintendent of Public Instruction, Lansing, Michigan. 1942 Revision.
LIST OF THE CURRICULA

Specific details and requirements in the various curricula are given in the Annual Catalog and in a separately published bulletin entitled Description of Curricula, which may be secured upon request.

I. THE GENERAL DEGREE CURRICULUM

Students who do not have in mind preparation for teaching may elect courses which provide a general education or which satisfy preliminary requirements for other professional curricula. When such a program of work is carried on for four years and conforms to the degree requirements, the degrees of Bachelor of Arts or Science may be granted without a teaching certificate.

Since Western Michigan College of Education is on the approved list of the Association of American Universities, students who complete the general degree curriculum satisfactorily should experience no difficulty in enrolling in the better graduate and professional schools of the United States.

II. CURRICULA FOR TEACHERS

The original and primary function of Western Michigan College of Education is the training of teachers. To carry out this purpose several curricula for the training of teachers are offered. These curricula are designed to give prospective and in-service teachers a broad general education with a reasonable degree of specialization in the subject-matter fields through well-planned majors and minors, and to furnish an adequate background of professional study in the purposes and objectives of education, the nature of child growth and development, the modern methods of teaching, and the means of appraising instruction. For specific details of the teacher training curricula, consult the Annual Catalog, the Description of Curricula Bulletin, or curriculum advisers.

ELEMENTARY CURRICULUM

This is a four-year curriculum leading to the A.B. or B.S. degree and the State Elementary Provisional Certificate. It is designed for the preparation of teachers in Kindergarten and Grades 1-8. A minimum of 24 semester hours of professional courses in Education is required, in addition to four minors, or a major and two minors in general or special subject-matter fields. The group requirement for the degree must also be satisfied.

SECONDARY CURRICULUM

This is a four-year curriculum leading to the A.B. or B.S. degree and the State Secondary Provisional Certificate. It is designed for the preparation of teachers in Grades 7-12. A minimum of 21 semester hours of professional courses in Education is required, in addition to one major and
two minors in general or special subject-matter fields in which the student expects to teach. The group requirements for the degree must also be satisfied.

**SPECIAL EDUCATION CURRICULA**

There are four curricula at Western Michigan College of Education in four different areas of Special Education. These curricula are for the preparation of teachers of (1) mentally retarded and backward children, (2) occupational therapy, (3) deaf and hard of hearing, and (4) Speech Correction. These are four-year curricula leading to the B.S. degree, the State Elementary Provisional Certificate, and Special Diplomas. In addition to the required courses in Education, majors and minors, and group requirements, certain course offerings and clinical facilities are provided and required in each of the curricula.

**MUSIC CURRICULUM**

This is a four-year curriculum leading to the B.M. degree with a major in Public School Music and the State Elementary or Secondary Provisional Certificate. It is designed for the preparation of instrumental or vocal supervisors in the public schools.

**LIBRARIANSHIP CURRICULUM**

This is a four-year curriculum leading to a B.S. degree with a major in Librarianship and the State Elementary or Secondary Provisional Certificate. It is designed for the preparation of school librarians.

**VOCATIONAL BUSINESS COORDINATOR'S CURRICULUM**

This is a four-year curriculum leading to a B.S. degree, a State Secondary Provisional Certificate, and a State Temporary Vocational Coordinator's Certificate. It is designed for the preparation of teachers and coordinators of vocational business courses in the public schools.

**VOCATIONAL INDUSTRIAL CURRICULUM**

This is a four-year curriculum leading to the B.S. degree, the State Secondary Provisional Certificate, and the State Trade and Industrial Certificate. It is designed for the preparation of trade and industrial teachers in the Secondary Schools.

**RURAL ELEMENTARY CURRICULUM (Two Years)**

This is a two-year curriculum (60 semester hours) which satisfactorily completed meets requirements for the State Limited Certificate which is valid for three years "and qualifies holder to teach in any Primary School District, or in any Graded School District not maintaining grades above the eighth."
Because of the present shortage of rural teachers, an accelerated rural elementary curriculum is being offered. Special teaching permits are granted upon the completion of not less than fifty of the sixty semester hours in the two-year Rural Elementary Curriculum. Directed Teaching 271 and certain other subjects selected under the guidance of the departmental counselor must have been included.

The accelerated curriculum may be completed in three semesters or, possibly, in two semesters and two summer sessions. The special certificate is valid for one year only and is not subject to renewal. Following its expiration, the requirements for the State Limited or some other certificate must be met.

The Rural Elementary Curriculum (two year) includes foundation courses for the degree, and students are encouraged to complete one of the four-year curricula—elementary or secondary—at the earliest possible time. Additional courses, as well as counsel, are provided by the Department of Rural Life and Education for those wishing further professional specialization as teachers, principals, county commissioners, supervisors, or helping teachers in rural communities—open country, village, or town.

Students preparing to work in the elementary schools choose four minors (or a group major and two minors) and additional courses from among both group and general electives, with thought to individualization on the basis of personal and professional needs. They become familiar with the grades and subject areas of the entire elementary field.

Students preparing to work in the secondary schools choose majors, minors, and additional subject matter areas with thought to the variety of teaching and extra-curricular demands to be met in the smaller high schools.

Those preparing to serve rural people in the several professions and service occupations other than teaching will find considerable basic work in these curricula. For them, as well as for degree students preparing to work in either elementary or secondary school positions, advanced courses in rural education and rural life are offered.

Most of the professional schools of the country have prescribed more or less definitely the nature of the college work prerequisite to professional training. The amount of college training required by leading universities in preparation for the various professions has in late years been materially increased. A number of professions are now entirely on the graduate level; that is, a college degree must be presented before one may enter upon the study of these professions.
For the most part, the additional college work now required is of a cultural nature, or is definitely preparatory to professional courses to be taken later.

Pre-professional curricula have been developed in Business Administration, Dentistry, Engineering, Forestry, Journalism, Law, Medicine, and Social Work. In addition to the standard pre-professional curricula, combined curricula have been specially arranged with the various professional schools of certain colleges and universities. In these curricula, the student, after successfully completing the three-year curriculum as outlined, may apply for admission to the professional school or college of which he has met the requirements. If admitted, the student will, after a year of successful work in the professional school, be granted the A.B. or B.S. degree by Western Michigan College of Education, providing all requirements for the bachelor's degree have been satisfied.

The professional schools and colleges with which Western Michigan College of Education has agreements concerning combined curricula reserve the right to refuse admission for certain reasons. If the student contemplates entering some college or university other than those with which combined curricula have been arranged, he should procure a catalog of the institution he plans to attend, to assist the advisers in mapping out his course. A minimum of two years in residence including the junior year is required for the bachelor's degree in the combined curricula. Combined curricula have been arranged with the Schools of Dentistry, Engineering, Business Administration, Forestry, and Law of the University of Michigan. There are also combined curricula with the College of Medicine, Wayne University; the Detroit College of Law; the College of Law, University of Illinois; the Schools of Commerce and Journalism of Northwestern University; the Divisions of Agriculture, Business Administration, and Engineering of Michigan State College; Nursing with Bronson Hospital; and Medical Technology with the Michigan Department of Health and Bronson Hospital.

For specific details of the pre-professional and combined curricula, consult the Annual Catalog, Description of Curricula Bulletin, or curriculum advisers.

AGRICULTURE

The successful completion of this curriculum will permit the student to enter the junior year at Michigan State College for the bachelor's degree in Agricultural Science and the certificate for the teaching of vocational agriculture in the secondary schools of Michigan.

BUSINESS ADMINISTRATION

The department of Business Education offers a differentiated program for students interested in preparing for a business career. While the department does not prescribe a definite curriculum leading to the professional degree of B.B.A., it does offer a major sequence of courses in accounting, business law, and related subjects in the General Degree curriculum.
Students interested in pursuing, during their freshman and sophomore years, the pre-professional curriculum given below and transferring their credits to the professional schools at the University of Michigan or Northwestern University should exercise care to see that specific requirements for admission have been met.

**DENTISTRY**

Two programs of work are open to the student: The pre-professional college requirements for entrance to the study of dentistry and a combined curriculum in college and professional work by which a student taking three years at Western Michigan College of Education and the first year at the College of Dentistry of the University of Michigan can earn the bachelor's degree from the former institution.

**ENGINEERING**

This college has arranged with the several branches of the Engineering School of the University of Michigan for a combined curriculum in letters and engineering. Each of the six or more special fields of engineering has basic courses in mathematics, physics, and chemistry. These may well become the basis for the degree of Bachelor of Science. By arrangement with the several schools of engineering at the University, a student who has 90 semester hours credit at Western and at least 30 semester hours in a school of engineering at the University may, if properly counselled, be given the degree of Bachelor of Science from this institution.

**FORESTRY AND CONSERVATION**

This is highly technical, but there are basic courses in mathematics and the sciences which may be taken at Western and become a part of a combined academic and professional course. Three years of college and one year at the University of Michigan in the department of Forestry may lead to the degree of Bachelor of Science from this college.

**JOURNALISM**

There are schools of journalism that require a bachelor's degree for entrance, others that admit undergraduates to their courses. Western Michigan College of Education has a curriculum which has been approved as meeting part of the requirements for a degree in journalism at the University of Michigan, Northwestern University, Michigan State College, and the University of Missouri.

**LAW**

Western Michigan College of Education offers pre-professional course requirements for entrance to the study of Law and a combined college and law school curriculum planned to shorten preparation by one year. Such agreements for combined curricula exist with law schools of the University of Michigan, University of Illinois, and the Detroit College of Law.
MEDICINE

The better schools of medicine require three years (90 semester hours) of college work for entrance to the study of medicine. The College has curricula which meet the requirements of entrance to the medical schools of Wayne University and the University of Michigan. Consult the curriculum advisers or the Annual Catalog.

MEDICAL TECHNOLOGY

The first three years of this curriculum meet the scholastic requirements for admission to the laboratory training school of the Michigan Department of Health and of the Registry of the American Society of Clinical Pathologists. Upon successful completion of the fourth year, the student may be granted the degree of Bachelor of Science, if all requirements have been satisfied.

NURSING

Bronson Methodist School of Nursing, Kalamazoo

A five-year curriculum leading to the B.S. Degree and the R.N. diploma. The first and fifth years are spent entirely in work at Western Michigan College of Education. The work of the third and fourth years is in the hospital. During the second year two-thirds of the work is at the college.

OCCUPATIONAL THERAPY

A curriculum which, satisfactorily completed, meets the requirements of the Council on Medical Education and Hospitals of the American Medical Association and the American Occupational Therapy Association. Graduates of this course are entitled to take the examination for registration in the American Occupational Therapy Association. Those who satisfy the requirements may also receive the Bachelor of Science degree. For full details see the Annual Catalog.

Thirty semester hours of college credit with a prerequisite for admission to this curriculum.

OCCUPATIONAL THERAPY

Diploma Course for Advanced Students

This course meets the requirements of the American Occupational Therapy Association and has been planned for college graduates who already have a major in some field allied to occupational therapy. Students accepted for this course must be approved by the Coordinating Committee and may be enrolled either in the fall or spring semester. The course consists of two semesters' work on campus and nine months of clinical training in various types of hospitals. The curriculum for this course must include: Theory A, B, and 310; Kinesiology A and B, and other courses from the occupational therapy curriculum as are needed to supplement previous training and to make a total of 30 semester hours. An additional 27 semester hours are allowed for clinical training successfully completed. At the conclusion of
this course the student is eligible to take the required examination for registration in the National Occupational Therapy Association.

SOCIAL WORK

Professional training for social work is today largely restricted to the graduate level by the leading schools of social work. This pre-professional curriculum permits from 49 to 53 hours of recommended courses. Therefore students pursuing it should plan to complete a curriculum conforming to the degree requirements. Social science should be the field of major sequences, while a minor sequence may be chosen from any field of special interest to the student. If a certificate in teaching is also desired, courses must be selected so that the requirements in one of the certificate curricula are fulfilled.

MUSIC

The Department of Music offers curricula in applied music leading to the Bachelor of Music degree. The Bachelor of Music degree is very highly professional in its requirement aims and permits the student to do much more of his work in the field of music. It is strongly recommended that students who wish to major in voice, instruments, or composition aim for the Bachelor of Music degree. All candidates for the Bachelor of Music degree are required to study their applied music performance field, e.g., piano, voice, violin, etc., during their full four-year course. The Bachelor of Music degree requires a minimum of 128 semester hours of credit for graduation. For full details consult the head of the Department of Music.

IV. VOCATIONAL AND PRACTICAL ARTS EDUCATION CURRICULA

Western Michigan College of Education accepts as one of its functions the training, on a pre-service as well as in-service basis, of teachers and other persons interested in acquiring technical instruction of a highly specialized character. At present there is a fairly wide range of instructional programs offered in Business Training, Home Economics, and Industrial Education. The primary objective of these curricula is training for vocational competency. Some of the courses of study are open to youths and adults whose academic background does not necessarily include subject matter sequences required for regular college admission. However, the student should present evidence of high school graduation.

Employes in offices, stores, and industries may be admitted as special students in the in-service vocational courses without reference to previous school experience, provided they are recommended for such training by a responsible official of the employing firm.

Business Training

In the field of business, there are at present three programs available to the student interested in qualifying for selling, secretarial, or junior admin-
istrative positions. The two-year terminal curricula in retail selling and secretarial practice accommodate students who wish to secure comprehensive occupational training on a standard college basis but who do not choose to remain in college for the full four-year course. Both of these programs are on a cooperative work-and-study basis, thus assuring the student of every available opportunity to meet, on a practical paid basis, the requirements of the full-time job for which he is preparing. For students interested in preparing for a career in business on a junior administrative level, the Department of Business Education makes available a four-year vocational training program in secretarial science and office management.

Home Economics

A two-year terminal course is offered to students who do not intend to graduate. This course is planned to help young women who wish to make homemaking a career.

The Department of Home Economics has a four-year curriculum for training dietitians.

Industrial Arts Education

This department offers a wide variety of opportunities for vocational training. The areas of instruction cover woodwork, drawing, printing, and metal shop. All the elementary courses are open to women.

Industrial Education

Courses are offered for aviation mechanics, air transportation, draftsmen, machine tool operators, machinists, tool and die makers, sheet metal workers, arc and oxy-acetylene welders, radio service and communications specialists. There are courses in air conditioning, refrigeration, radio, printing, shop maintenance, cabinet making, pattern making, shop mathematics, blueprint reading, trade science, and drafting. Courses are set up in units and vary in length.

Note.—Students can begin courses on the first day of any calendar week following proper enrollment and payment of tuition and fees.

For specific details of the Vocational and Practical Arts Curricula consult the Annual Catalog, Description of Curricula Bulletin, or curriculum advisers.

BUSINESS ADMINISTRATION CURRICULUM (Four Years)

The business administration curriculum is designed for students interested in business training as preparation for employment in business or for ownership of a small business establishment. While the program is eight semesters in length, an effort has been made to incorporate a broad business training in the first four semesters so that students may terminate their training at that time, if need be, with a feeling of definite vocational preparation. The program permits degree candidates to concentrate in one of
the following fields of business specialization: accounting, retailing, or general business.

Any high school graduate is eligible for admission to the first four semesters of the program. To be eligible to continue beyond the fourth semester as a degree candidate, regular college entrance requirements must be met.

A minimum of two years of approved work experience in the occupational field in which the student is majoring is required for graduation.

SECRETARIAL SCIENCE AND OFFICE MANAGEMENT CURRICULUM (Four Years)

The Secretarial Science and Office Management Curriculum is designed to provide the student with a professional preparatory background for the higher-level office occupations.

The degree program in this field recognizes and makes provision for the fact that during the last few years it has become increasingly clear that business and industry are looking to the college for their future management-level employees.

The Secretarial Science and Office Management Curriculum is designed to provide the students with the skills, knowledges, and understandings necessary for entrance into the business world and for future promotion to executive and management levels.

COOPERATIVE PROGRAM IN RETAILING (Two Years)

A two-year curriculum designed to prepare students for work in the field of retailing. This work is organized on the cooperative plan which combines classroom instruction at the college in the morning, and, with the cooperation of the merchants of Kalamazoo, employment for actual experience in the local stores during the afternoon and Saturday.

Entrance requirements: high-school graduation, recommendation of the high-school principal, aptitude for store work, and approval of the Department of Business Education.

Successful completion of the course leads to a diploma in retailing. If, at a later date, such students desire to secure a degree, credit obtained for work taken in the two-year program may be applied toward degree requirements, provided regular college entrance requirements are met.

Students enrolled in this course will have the opportunity, in addition to taking the specialized courses in retailing, to elect such other college courses fitting their needs as their schedules, abilities, and work programs will permit. Students should consult their faculty adviser before making a selection of electives.

COOPERATIVE PROGRAM IN SECRETARIAL TRAINING (Two Years)

This curriculum is intended primarily for those students who wish to qualify for various types of clerical and stenographic positions while enjoying the advantages of social and cultural contacts available to regular college students. The courses are so organized that the student may get basic training in fields other than vocational.
Entrance requirements: high-school graduation, recommendation of high-
school principal, and approval of Department of Business Education.

An important feature of this course is the requirement that the student accept part-time employment during the second year. The work experience is a definite part of the instructional plan of the program and is under the direction of a co-ordinator.

Graduates of this course receive the Secretarial Diploma and are assisted by the college and departmental placement offices in securing suitable full-time positions.

High-school graduates who are admitted to this curriculum without having the regular college entrance sequences may qualify for a degree by removing the deficiencies.

Enrollment in this curriculum is definitely limited. Therefore, students desiring to pursue this curriculum should make application at least thirty days before the date of actual matriculation.

**HOMEMAKING CURRICULUM (Two Years)**

This curriculum is for the student who does not wish to teach, but who is interested in obtaining some special instruction to make homemaking a career. The opportunity is provided for one to pursue some general education subjects in addition to the specific occupational training.

**DIETETICS CURRICULUM (Four Years)**

The department of Home Economics offers a four-year curriculum for training dietitians. Graduates who complete the program are eligible for a year's internship in a hospital accepted by the American Dietetics Association.

**AIR TRANSPORTATION CURRICULUM (Four Years)**

The Air Transportation Curriculum is a four-year course leading to a B.S. degree. It is designed to train students to manage and operate airports and for various administrative, supervisory, and sales positions in the business field of aviation. In addition to meeting the necessary requirements for a Bachelor of Science degree, the curriculum requires concentration in four areas—mechanics, pilot training, business administration, and airport operation. Sufficient work is given in mechanics to meet the requirements for a CAA airplane and engine mechanics license. A minimum of 35 hours of flight training leading to a private pilot's license is required of all students.

**AIRCRAFT MECHANICS CURRICULUM (Two Years)**

This two-year curriculum is offered to students who wish to enter the field of aviation for their life work. Special preparation is given for service and maintenance positions with the airlines, repair depots, and commercial and private owners of aircraft.
For those students who wish to work for airplane and for engine mechanics licenses issued by the Civil Aeronautics Administration. Upon completion of the course, a certificate is granted.

AIRLINE HOSTESS CURRICULUM (Three Years)

This is a three year program for women desiring a practical educational background to qualify for airline hostess employment with commercial airlines. In addition to being a high school graduate, a candidate for this curriculum must meet special airline physical requirements pertaining to height, weight, eyesight, voice, and appearance.

LINOTYPE CURRICULUM (Two Years)

This curriculum provides training, the specific objective for which is linotype operation. The student receives training in layout and design, proof-reading and maintenance, in addition to the several kinds of composition, namely—hand, linotype, newspaper, job, and book.

AIR CONDITIONING AND REFRIGERATION CURRICULUM (Two Years)

This curriculum offers basic training in all the elements governing conditioning of air, the theory and function of refrigeration, basic physical laws involved, and installation techniques. The work prepares specifically for the fields of installation and servicing.

MACHINE SHOP CURRICULUM (Two Years)

The two-year curriculum is offered to students who wish to enter the machinist's trade. The curriculum consists of a number of unit courses which are based upon the training needs of machine tool operators and tradesmen. With this arrangement, the special training needs of each individual can be met. The machinist elects machine shop and related subjects courses to complete two years of training as a machinist.

RADIO CURRICULUM (Two Years)

Basic training for the radio service mechanic, with related subjects that lead to Federal Communications Commission operators' permits and examinations, and knowledge and skill necessary to service and operate all forms of radio and electronics equipment.

SHEET METAL CURRICULUM (One Year)

The curriculum covers most phases of sheet metal layout and construction of small production parts, blowpipe fabrication, and cabinet sheet metal fabrication, accompanied by a comprehensive course in sheet metal drafting.
TOOL AND DIE MAKING CURRICULUM (One Year)

This course leads to the development of superior skills in the precision operation of machine tools. Special tools, jigs, fixtures, and dies to blank, bend, form, or mould duplicate parts, designed, fabricated, and tested on production runs in the machine shop. The two-year machine shop curriculum or its equivalent is a prerequisite.

TRADE DRAFTING CURRICULUM (Two Years)

Practical work assignments are given at the start, involving sketching of machine parts. Blueprints are examined and explained to acquaint the student rapidly with the conventions and symbols used in machine drafting. The machinery handbook is used for reference to familiarize the student with materials, specifications and tolerances, limits and standards common to production work. Detail design from assembly sketches of small machines, giving a consideration of production costs in overhead, labor, and materials.

WELDING CURRICULUM (One Year)

A combination course to train gas welding operators and arc welding operators leads to qualifying tests for certified welders.
GRADUATE DIVISION

An Extra-Mural Unit of the Horace H. Rackham School of Graduate Studies, University of Michigan

ADMINISTRATIVE OFFICERS

Elmer H. Wilds, Ed.D., Director of the Graduate Division
Margaret T. Mabie, Secretary of the Graduate Division

ADVISORY COUNCIL

William J. Berry
William R. Brown
Deyo B. Fox
Leonard C. Kercher

Gerald Osborn
D. C. Shilling
Mathilda Steckelberg

Elmer H. Wilds, Chairman
Margaret T. Mabie, Secretary
Paul V. Sangren, Ex Officio

FACULTY

WILLIAM J. BERRY, Ph.D., Professor of Geography
HOWARD F. BIGELOW, A.M., Professor of Economics
DOUGLAS D. BLOCKSMA, M.S., Professor of Education
WILLIAM R. BROWN, Ph.D., Professor of English
ROY C. BRYAN, Ph.D., Professor of Education
PHIL W. BUCK, Ph.D., Professor of Psychology
JOHN A. BUELKE, A.M., Professor of Education
ALICE CAGNEY, A.M., Professor of Education
HOMER L. J. CARTER, A.M., Professor of Education
CLARA R. CHIARA, Ph.D., Professor of Education
TILMAN C. COTHAN, Ph.D., Professor of Sociology
DEYO B. FOX, Ph.D., Professor of Vocational Education
ORIE I. FREDERICK, Ph.D., Professor of Education
JOSEPH W. GIACHINO, Ed.D., Professor of Industrial Education
JAMES H. GRIGGS, Ed.D., Professor of Education
ROY O. HUNTER, A.M., Professor of Business Studies
LESLIE A. KENOYER, Ph.D., Professor of Botany
JAMES O. KNAUSS, Ph.D., Professor of History
JAMES A. LEWIS, A.M., Professor of Education
GEORGE G. MALLINSON, Ph.D., Professor of Education
RUSSELL H. SEIBERT, Ph.D., Professor of History
D. C. SHILLING, Pd.D., Professor of Political Science
SARA R. SWICKARD, Ph.D., Professor of Education
ADRIAN TRIMPE, A.M., Professor of Distributive Education
EDWIN M. WILLIAMSON, M.D., Professor of Psychiatry
ELSWORTH P. WOODS, Ph.D., Professor of Political Science
The Board of Regents of the University of Michigan at its meeting in July, 1938, passed a resolution approving a formal request from the State Board of Education that the University of Michigan cooperate with the four Michigan Colleges of Education in planning a graduate program of instruction. According to the action, a Graduate Division, organized and administered in cooperation with the University, has been set up at Western Michigan College of Education. All courses given in the Graduate Division are offered by instructors who have been given the status of graduate lecturer by the Executive Board of the Graduate School of the University. All courses given in the Graduate Division constitute a part of the regular program of instruction of the University and carry both course and residence credit toward the master's degree. Most courses are strictly of a graduate nature and do not give undergraduate credit. Some courses are open to well-qualified seniors, who are admitted on approval of the Director of the Graduate Division.

Graduate courses have been offered by the Graduate Division of Western Michigan College of Education since February, 1939. The graduate courses for which credit is given have been selected through cooperation of the Advisory Council of Western Michigan College of Education and the Adviser to the Colleges from the University, but these courses are under the control of the Executive Board of the Graduate School of the University of Michigan. The work is conducted as a part of the regular program of the University of Michigan Graduate School.

An attempt is made to keep the work balanced by offering a considerable proportion of the courses in cognate fields and by giving at the same time all courses in education for which there is a demand. Courses give two or three semester hours credit. The courses offered are open, not only to students just entering upon a program of advanced study, but also to those who have already completed some of the work for advanced degrees at the University. Such students should ascertain in advance whether the particular courses offered may be included as a part of their program for the master's or doctor's degree.

The privileges of admission are open to students who hold the bachelor's degree, or its equivalent, from schools of recognized standing and who are otherwise qualified to pursue with profit the work offered. Undergraduates within six hours of graduation, may enroll in the Graduate Division and take graduate courses while completing their undergraduate work.

In order to be admitted to the courses offered, the student must comply with regulations of the Graduate School, which are as follows:

1. Two complete official transcripts of scholastic records to date should be sent to the Graduate Division, Western Michigan College of Education,
in advance of registration. The transcript should specify degrees obtained, courses completed, scholarship grades attained, and the basis of grading. One copy of the transcript is kept permanently on file in the Graduate School Office at Ann Arbor and another in the Graduate Division Office at Western Michigan College of Education.

2. A student who wishes to become an applicant for an advanced degree must indicate in his request for admission to graduate study a field of specialization; a student who is not an applicant for a degree is held to no special requirements, but he must furnish evidence of graduation from a recognized college.

3. Application for admission blanks may be secured from the Graduate Division Office, Room 106, Administration Building.

Students may not enroll for the Summer Session unless they have been admitted before June 1. Students who plan to begin their graduate work in the Graduate Division of Western Michigan College of Education may make application on blanks provided for that purpose by the Director of the Graduate Division, and may have their transcripts sent directly to his office. Graduates of Western Michigan College of Education may have their transcripts automatically transferred by filling out these application blanks.

COURSE REQUIREMENTS

Every student planning to work toward a degree is expected to acquire an intimate knowledge of his field of study and the methods employed in that field so that he will be able to approach his subject in an independent and critical spirit. A mere accumulation of credits is not advisable. A student should have in view a fairly complete program of studies before enrolling in the courses offered. The Director of the Graduate Division will assist the student in formulating such a program and recording it on the Schedule of Study blank which must be reviewed by the Graduate Adviser to the Colleges of Education and submitted by him to the Dean of the Graduate School for approval. Alterations in the program, resulting from the dropping or adding of courses, must receive approval in similar fashion.

DEGREES

All degrees are awarded by the University of Michigan. Students taking work in the Graduate Division shall be permitted to complete such requirements for the master's degree as may be satisfied by courses offered in the division. Unless specifically stated otherwise, a minimum of one summer session of full-time work on the campus of the University is required of all applicants for the master's degree. Courses may be taken in the Graduate Division for credit toward the doctor's degree. All doctoral students must meet the admission requirements of the Graduate School of the University in full and should be approved by their department of specialization before proceeding very far with their work. Doctoral students are required to fill in the first two pages of the Schedule of Study form, but the actual outlining of their programs may wait until they can confer with their advisers.
No student can have a doctoral committee appointed until the Schedule of Study form is on file.

**RESIDENCE REQUIREMENT**

The minimum amount of credit which must be earned in residence is eighteen hours. The residence requirement may be met by attendance in any of the Graduate Residence Centers of the University of Michigan. The eighteen-hour minimum residence requirement must be supplemented by acceptable credit to the extent of six hours, which if not also taken in residence may be advanced credit for work taken in a recognized graduate school of another institution or University of Michigan Extension credit.

**TIME LIMITATION**

A student enrolled after September, 1935, must complete the work for the master's degree within six consecutive years after his first enrollment in the Graduate School. The time limit for acquiring the degree will be extended in all cases when a student can present satisfactory evidence that he has been engaged in active government defense service which prevented him from continuing his graduate work.

**CREDIT REQUIREMENT**

The minimum credit requirement for the master's degree (Master of Arts or Master of Science) is twenty-four hours. This minimum is sufficient, however, only if the student's undergraduate record is satisfactory both as to quality of work done and quantity in relation to the proposed program of graduate work. This minimum also presupposes the preparation of a master's thesis. In meeting the twenty-four hour requirement for the master's degree, the following conditions must be met: (1) at least twelve hours must be earned while the student is carrying a full-time program of work during a term or during two summer session, with attendance during one of the summer sessions or its equivalent being on the campus at the University of Michigan; (2) at least twelve hours must be earned in courses in which enrollment is restricted to graduate students.

**SUBSTITUTION OF COURSE WORK FOR THESIS**

After a student has completed twelve hours of his graduate work, he may exercise the option of taking six hours' work in lieu of the thesis, thus making the credit requirement thirty hours without a thesis. If a student desires to substitute six hours' work in lieu of a thesis, he will obtain a petition blank from the office of the Director.

The substitution of six hours of course work for the thesis does not remove the requirement of one seminar (or B192 or C192 or one seminar). An individual intending to go on for the doctorate must prepare a master's thesis or its equivalent. Usually the courses to be substituted consist of two courses in education and one cognate course.
SEMINAR REQUIREMENT

In so far as possible, two types of seminars are provided: (a) for those students preparing a master's thesis, and (b) for those not preparing a thesis. Under most circumstances Education B192, or its equivalent, is prerequisite or must be taken simultaneously with either type of seminar. Those not preparing a master's thesis usually elect Education B192 or C192 or one seminar; those preparing a master's thesis, two seminars, although if they complete the thesis in one, some other course may be substituted for the second seminar. Most seminars are specifically designed to aid students in bringing the thesis to completion. It is permissible to begin the preparation of a thesis in any one of the nonseminar courses (consult instructors and advisers about this).

SCHOLARSHIP REQUIREMENT

Students who desire credit must meet all the requirements set by the instructor with reference to attendance, supplementary reading, term reports, examinations, etc. The master's degree is awarded only to those students who maintain an average of B in all their work. An average grade of B is required for graduation. A grade lower than B for a given subject does not necessarily bar a student from obtaining credit for a graduate course, provided such a grade is balanced by other work of uniformly high character. Hours of D and E grades are used to determine the average grade of each student, but are not included in the number of hours required for the degree. A graduate student will not be allowed credit for a course unless it is completed and reported in the Office of the Graduate School within a year of the official termination of the course.

PROGRAM OF WORK

For a student devoting full time to graduate study, the normal load during a term is twelve hours; the maximum program of work allowed during a six weeks summer session is six hours. During a term the program of work done by students devoting only part time to graduate study and paying the reduced schedule of fees varies from two to six hours, but no student in part-time attendance who is engaged in full-time teaching or other such employment shall be allowed to elect more than four hours of work during a term. During the summer session the program of work for such students will be determined by the Director of the Graduate Division according to the proportion of the student's time available for graduate study.

THE PERMANENT TEACHER'S CERTIFICATE

The candidate for the permanent certificate must earn ten semester hours of credit, which the Michigan Teachers' Certification Code recommends to be obtained in graduate courses leading toward the master's degree. The required ten hours may be earned in either a subject-matter or a professional field; the program to be followed is determined in each case by the present and probable future needs of the individual. There are undoubted
advantages to be gained from taking graduate work during the provisional period. The Director of the Graduate Division of Western Michigan College of Education will advise students in regard to desirable graduate courses available for this purpose. Even though the candidate plans to secure his permanent certificate through the institution in which he completed the requirements for the provisional certificate, he may take the required ten hours at Western Michigan College of Education.

Probably the most satisfactory way to meet the requirements for the permanent certificate is to pursue work toward the master's degree. The attainment of the degree will not only insure meeting the credit requirements for the permanent certificate but will also improve the opportunities for advancement in the teaching profession. The Director of the Graduate Division will be glad to discuss with candidates the possibilities of satisfying the requirements for the permanent certificate while at the same time working toward the master's degree.

REGISTRATION

Registration for the summer session of the Graduate Division will be on Saturday, June 24, from 8 to 12 A.M., and Monday, June 26, from 9 to 12 A.M., and from 1 to 4 P.M. All students who enroll later than June 26 must pay in addition to the regular fee a penalty of one dollar for each day of late registration until a maximum penalty of three dollars is incurred. Registration will take place in the Graduate Division Offices, Room 106, Administration Building.

Classes for the summer session will begin on Tuesday, June 27, and will continue through Friday, August 4. All classes meet one hour a day, five days a week, Monday through Friday. Prerequisites for a course should be carefully determined by the student before enrolling in the course.

Generally speaking, prerequisites for courses offered in the graduate program are, in addition to graduation from a four-year curriculum in an accepted college or university, one year of work of college grade in the field of the subject elected. In some cases, however, courses may require specific prerequisites or an amount of prerequisite credit in excess of this general requirement.

FEES

The fees must be paid in advance and no student can enter upon his work until after such payment. The fees are as follows:

<table>
<thead>
<tr>
<th>Fee for summer session</th>
<th>Michigan students</th>
<th>Non-resident students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Six credits</td>
<td>$40</td>
<td>$100</td>
</tr>
<tr>
<td>Four credits</td>
<td>40</td>
<td>100</td>
</tr>
<tr>
<td>Two credits</td>
<td>20</td>
<td>50</td>
</tr>
</tbody>
</table>

In case of complete withdrawal, refunds less $10.00 service charges, are granted as follows: (1) at the end of the first week, the entire fee; (2) at the
end of the second week, fifty per cent of the fee; (3) at the end of the third week, forty per cent of the fee; (4) after the third week, no refund.

Courses dropped after the fourth week will be recorded with the grade of $E$.

The above fees include health service and all other non-academic services of the summer session.

Students wishing to carry both graduate and undergraduate classes should confer with Dr. Elmer H. Wilds, Director of the Graduate Division, regarding enrollment in the Graduate Division. Enrolling for undergraduate credit should follow the regular plan for undergraduates.

Graduate students are subject to the rules of the Dean of Men and the Dean of Women and to other general regulations of this institution.

**OTHER INFORMATION**

For details concerning other information, see the Announcement of the Graduate Division, Western Michigan College of Education; the Announcements of the Graduate School and of the School of Education, University of Michigan; and the booklet, *Advanced Study in Education*, prepared by the School of Education, University of Michigan.

Questions not answered by these sources should be addressed to Dr. Elmer H. Wilds, Director of the Graduate Division, Western Michigan College of Education, Kalamazoo, Michigan.

**COURSES OFFERED**

*Summer 1950*

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Description</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botany</td>
<td>122*</td>
<td>Systematic Botany</td>
<td>Kenoyer</td>
</tr>
<tr>
<td>Economics</td>
<td>191*</td>
<td>Consumer Economics</td>
<td>Bigelow</td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B120</td>
<td>Improvement of High-School Teaching</td>
<td>Chiara</td>
<td></td>
</tr>
<tr>
<td>B124</td>
<td>Secondary-School Administration</td>
<td>Bryan</td>
<td></td>
</tr>
<tr>
<td>B156</td>
<td>High-School Supervision</td>
<td>Frederick</td>
<td></td>
</tr>
<tr>
<td>B192</td>
<td>Methods of Research in Education</td>
<td>Mallinson</td>
<td></td>
</tr>
<tr>
<td>B227a</td>
<td>Seminar: Secondary-School Curriculum</td>
<td>Mallinson</td>
<td></td>
</tr>
<tr>
<td>B227s</td>
<td>Aviation Workshop</td>
<td>Giachino</td>
<td></td>
</tr>
<tr>
<td>B248</td>
<td>State School Administration</td>
<td>Lewis</td>
<td></td>
</tr>
<tr>
<td>B250</td>
<td>Principles of Educational Administration</td>
<td>Lewis</td>
<td></td>
</tr>
<tr>
<td>B251</td>
<td>Supervision of Elementary-School Instruction</td>
<td>Swickard</td>
<td></td>
</tr>
<tr>
<td>B252</td>
<td>Elementary School Organization and Adm.</td>
<td>Buelke</td>
<td></td>
</tr>
<tr>
<td>C107b</td>
<td>Psychology of the Elementary-School Subj.</td>
<td>Swickard</td>
<td></td>
</tr>
<tr>
<td>C116b</td>
<td>Psychology of the High-School Subjects</td>
<td>Chiara</td>
<td></td>
</tr>
<tr>
<td>C119*</td>
<td>Educational Guidance and Adjustment</td>
<td>Blocksma</td>
<td></td>
</tr>
<tr>
<td>C130*</td>
<td>Education of Exceptional Children</td>
<td>Cagney</td>
<td></td>
</tr>
<tr>
<td>C132</td>
<td>Clinical Study of Atypical Children</td>
<td>Cagney</td>
<td></td>
</tr>
<tr>
<td>C132</td>
<td>Section 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C178</td>
<td>Parent Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C132</td>
<td>Clinical Study of Atypical Children</td>
<td>Carter</td>
</tr>
<tr>
<td></td>
<td>Section 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>C178</td>
<td>Parent Education</td>
<td>Griggs</td>
</tr>
</tbody>
</table>
CURRICULUM FOR THE MASTER'S DEGREE

The following Schedules of Study are drawn up with a view to bringing together those courses which have some degree of functional unity. Some of the courses listed may not be given in every semester or summer session, but will be offered at some time. Substitutions will be made whenever necessary. In some cases it may be wise to depart from a given schedule in order that the needs of a student may be more adequately met. This may be done with the approval of the Director of the Graduate Division, provided the general requirements for the Master's degree are satisfied.

TEACHING IN THE ELEMENTARY SCHOOL

REQUIRED COURSES, 12 hours

B105 Elementary School Curriculum
C107a or C107b Psychology of Elementary School Subjects
C175 Psychology of Child Development
C177 Education of Young Children
B192 Methods of Research in Education
C225 Seminar

ELECTIVE COURSES IN EDUCATION, 6 hours

Any Education course counting for graduate credit may be elected. The
following are suggested: A125, B151, B251, C102, C119, C120, C130, C132, F190.

Cognate Courses, 8 hours
Political Science 141, 163, 184; Sociology 115, 158, 159, 160, 243; Economics 193; Health Practice 171; or any course in subject-matter fields taught in the elementary schools.

Teaching in the Secondary School

Required Courses, 10 hours
- B120 Improvement of High School Teaching
- B156 High School Supervision
- C102 Educational Psychology, or
- C116b Psychology of High School Subjects
- C120 Mental Hygiene
- B192 Methods of Research in Education
- B227 Seminar

Elective Courses in Education, 2 to 6 hours
Any Education course counting for graduate credit may be elected. The following are suggested: A125, B122, B124, C102, C119, C120, C217, E101, F190.

Cognate Courses, 8 to 12 hours
Economics 152, 193, 255; Political Science 141, 163, 184; Sociology 115, 118, 158, 159, 160; Health Practice 171; or any course in subject-matter fields taught in high schools.

Administration and Supervision of Elementary Schools

Required Courses, 10 hours
- B250 Principles of Educational Administration
- B151 Elementary School Administration and Supervision
- B251 Supervision of Elementary School Instruction
- B192 Methods of Research in Education
- C225 Seminar

Elective Courses in Education, 6 hours
Any Education course counting for graduate credit may be elected. The following are suggested: A125, B105, C102, C119, C120, C130, C132, C165, C217, F190.

Cognate Courses, 8 hours
Economics 152, 193, 255; Political Science 141, 163, 184; Sociology 115, 118, 158, 159, 160, 243; Health Practice 171; Geography 120, 130, 135, 145; Psychology 130; or any course in History, Geography, or English.
ADMINISTRATION AND SUPERVISION OF SECONDARY SCHOOLS

REQUIRED COURSES, 10 hours
- B250 Principles of Educational Administration
- B124 Secondary School Administration
- B156 High School Supervision
- B192 Methods of Research in Education
- B227 Seminar

ELECTIVE COURSES IN EDUCATION, 6 hours
Any Education course counting for graduate credit may be elected. The following are suggested: A125, B122, B255, B257, C115, C119, C120, C130, C165, C217, E100, E101, F190.

COGNATE COURSES, 8 hours
Economics 152, 193, 255; Political Science 141, 163, 184; Sociology 115, 118, 158, 159, 160, 243; Psychology 130; Speech 151; History 182, 201; Geography 145.

GENERAL EDUCATIONAL ADMINISTRATION

REQUIRED COURSES, 12 hours
- B250 Principles of School Administration
- B124 Secondary School Administration
- B151 Elementary School Administration and Supervision
- B255 Social Interpretation
- B192 Methods of Research in Education
- B259 Seminar

ELECTIVE COURSES IN EDUCATION, 4 hours
Any Education course counting for graduate credit may be elected. The following are suggested: A125, B105, B122, B156, B248, B257, C115, C119, C120, C130, C165, C217, E100, E101, F190.

COGNATE COURSES, 8 hours
Economics 152, 193, 255; Political Science 141, 163, 184; Sociology 158, 159, 160; Psychology 130; Speech 151; History 182, 201; Geography 145.

PUPIL GUIDANCE AND PERSONNEL

REQUIRED COURSES, 12 hours
- C117 Aptitude and Vocational Tests
- C119 Educational Guidance and Adjustment
- C217 Techniques of Guidance
- C120 Mental Hygiene of Childhood and Adolescence
- B192 Methods of Research in Education
- C220 Seminar in Guidance and Adjustment

ELECTIVE COURSES IN EDUCATION, 4 hours
Any Education course counting for graduate credit may be elected. The following are suggested: A125, B124, B182, C115, C130, C165.
CURRICULA FOR THE MASTER’S DEGREE

Cognate Courses, 8 hours
- Psychology 130; Health Practice 171; Sociology 158, 159, 160; Economics 193; History 182.

Industrial Education

Required Courses, 12 hours
- E100 Principles of Vocational Education
- E101 Principles and Techniques of Vocational Guidance
- E102 Legal and Industrial Relations Aspects of Vocational Education
- E106 Coordination in Vocational Education
- B192 Methods of Research in Education
- E201 Seminar in Vocational Education

Elective Courses in Education, 4 hours
- Any Education course counting for graduate credit may be elected. The following are suggested: B124, B250, B255, C119, E103, E109, E113, E114.

Cognate Courses, 8 hours
- Economics 121, 141, 152, 255; Psychology 131, 132; Political Science 184; Sociology 158, 160, 162.

Business Education

Required Courses, 12 hours
- D265 The Teaching of Business Subjects
- E151 Principles of Business Education
- E157 The Curriculum of Business Education
- E106 Coordination of Vocational Education
- B192 Methods of Research in Education
- E201 Seminar in Vocational Education

Elective Courses in Education, 4 hours
- Any Education course counting for graduate credit may be elected. The following are suggested: B124, B250, C117, C119, E101, E102, E103, E105, E109, E113.

Cognate Courses, 8 hours
- Economics 121, 141, 152, 255; Psychology 130, 132; Political Science 141, 184; Geography 145; Sociology 158, 160, 162.

Many other curricula in additional fields are available. Schedules of Study for such curricula may be planned in consultation with the Director of the Graduate Division.
**DESCRIPTION OF COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>89</td>
</tr>
<tr>
<td>Biology</td>
<td>103-104</td>
</tr>
<tr>
<td>Business Education</td>
<td>121-123</td>
</tr>
<tr>
<td>Chemistry</td>
<td>104-105</td>
</tr>
<tr>
<td>Economics</td>
<td>110-111</td>
</tr>
<tr>
<td>Education</td>
<td>115-118</td>
</tr>
<tr>
<td>English</td>
<td>93-95</td>
</tr>
<tr>
<td>Geography and Geology</td>
<td>106</td>
</tr>
<tr>
<td>History</td>
<td>111-112</td>
</tr>
<tr>
<td>Home Economics</td>
<td>123-124</td>
</tr>
<tr>
<td>Industrial Education</td>
<td>125-127</td>
</tr>
<tr>
<td>Languages</td>
<td>95-96</td>
</tr>
<tr>
<td>Librarianship</td>
<td>119-120</td>
</tr>
<tr>
<td>Mathematics</td>
<td>106-107</td>
</tr>
<tr>
<td>Music</td>
<td>90-92</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>92</td>
</tr>
<tr>
<td>Physical Education for Men</td>
<td>98-99</td>
</tr>
<tr>
<td>Physical Education for Women</td>
<td>100</td>
</tr>
<tr>
<td>Physics</td>
<td>107-108</td>
</tr>
<tr>
<td>Political Science</td>
<td>112-113</td>
</tr>
<tr>
<td>Psychology</td>
<td>108-109</td>
</tr>
<tr>
<td>Rural Life and Education</td>
<td>101-102</td>
</tr>
<tr>
<td>Sociology</td>
<td>113-114</td>
</tr>
<tr>
<td>Speech</td>
<td>96-97</td>
</tr>
</tbody>
</table>

*Note.—* For information regarding the significance of course numbers and credit for courses see pages 51-52.
DIVISION OF FINE ARTS

Lydia Siedschlag, Chairman

The Division includes the Departments of Art, Music, and Occupational Therapy. It functions through a committee consisting of the respective heads of these departments. The heads of the departments and the departmental counselors will advise students relative to requirements for majors or minors in these departments and concerning any special requirements set up by the departments. In certain cases, where a group major or minor is possible and advisable, the chairman of the Division should be consulted. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog.

ART

HAZEL I. Paden

105 Elementary Design

106 Art Structure
A course giving drawing experience, lettering, figure, color, and design. M. Tu. Th. F. 1:50-3:30. Miss Smutz. Three semester hours.

111 Modeling
The course includes the designing, building, and casting of pottery; and the use of the potter's wheel and kiln for modeling with clay, firing, and glazing. Modeling in the round and bas-relief may be substituted. M. Tu. W. Th. 7:30-9:10. 1:50-3:30. Mr. Thurn. Three semester hours.

112 Learning Through Art
A course designed for the grade teacher. Art problems are related to the curriculum. Posters, programs, bulletins, decorations for special days are handled seasonally. No prerequisites. M. Tu. Th. F. 10:40-12:20. Miss Smutz. Three semester hours.

306—Demonstration Drawing
A required course for Art majors who expect to teach. Methods and teaching devices are stressed and opportunity given to experiment with new materials. Tentative course of study is made. Prerequisite: Art Structure 106. M. Tu. W. Th. F. 12:40-1:30. Miss Paden. Two semester hours.
**MUSIC**

**107A Music Appreciation**

This course, primarily a listening one, is designed for students wishing a general cultural course to increase their knowledge and discrimination of music. Various types of music from the folk song and dance to the symphony, oratorio, and opera are presented and discussed. Concerts and outstanding radio programs are related to the course. M. Tu. W. Th. F. 9:30-10:20. Mrs. Snyder. Two semester hours.

**109 Rural School Music Methods and Materials**

This course consists of sight reading of unison songs, introduction of part singing, 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; materials for the school music program, community singing, and recreation are considered. M. Tu. Th. F. 10:40-12:20. Mrs. Snyder. Three semester hours.

**132 String Orchestra**

The orchestra is open to all students who have had a reasonable amount of orchestral experience. Many fine compositions will be studied and played during the summer. The orchestra will present at least one public program during the summer. Many unusual instruments are available for the use of students. M. W. 4:40-6:00. Mr. Stulberg. One semester hour.

**133 Summer School Band**

This organization affords to the student who plays some instrument an opportunity for development in both marching and playing. Many of the instruments are furnished. (May be substituted for physical education credit.) Tu. Th. 4:40-6:00. Mr. Meretta. One semester hour.

**134 Summer School Choir**

A summer school choir, open to all students having had choral experience, will be organized. Material will be used that will be sung in the following spring at the High School Music Festivals. M. W. 4:40-6:00. Mrs. Snyder. One semester hour.

**136 Special Music Ensemble**

Special instrumental or vocal ensembles may be formed with the permission of the head of the Department of Music. Where a sufficient number of hours of rehearsal per week warrant it, credit will be granted. Time to be arranged. The staff. One semester hour.

**207A Music Literature**

Designed to satisfy the needs of music majors and minors. Some formal analysis and historical background of the material studied are included.
The larger musical forms are stressed in the selection of material. M. Tu. Th. F. 10:40-12:20. Miss Green. Three semester hours.

208A Elementary School Methods and Materials

The purposes, problems, and procedures of the first six grades, development of independent sight-singing (syllables and words), two- and three-part singing, introduction of tonal and rhythmic problems found in music designed for these grades, introduction of notation, creative music for children, the child voice, and directed listening. M. Tu. Th. F. 7:30-9:10. Miss Doty. Three semester hours.

209A Instrumental Methods and Materials

A discussion of the teaching methods for classes in strings and winds, and an evaluation of the materials suitable for these classes and small and large ensembles. M. Tu. Th. F. 7:30-9:10. Mr. Meretta, Mr. Stulberg. Three semester hours.

301A Junior High School Methods and Materials

This course involves a study of the place of music in the education of adolescent youth, the changing voice, voice testing and classification, singing and instrumental ensembles, the place of music in all types of integrating courses for secondary schools, and class instruction in voice and the various instruments. M. Tu. Th. F. 1:50-3:30. Mrs. Snyder. Three semester hours.

305A Counterpoint

Modal and harmonic counterpoint as exemplified by the composers of the fifteenth, sixteenth, seventeenth, and early eighteenth centuries. Modern counterpoint. Practical application through the writing of strict counterpoint in the five species—double counterpoint, obligatos, descants, canons, and fugues. Prerequisite: Advanced Harmony 206A, B. M. Tu. Th. F. 7:30-9:10. Miss Green. Three semester hours.

306A Composition

Original work in composition, starting with the smaller forms in both the vocal and instrumental fields. Prerequisite: Advanced Harmony 206A, B. Time to be arranged. Miss Green. Three semester hours.

357B History of Music

Early development of rhythm, scale, and keynote; beginning of harmony, growth of notation; development of instruments and instrumental music; growth of opera and oratorio; crystallizing of schools of composition and the place of various composers in this process; use of nationalism in music and its transition into the music of the twentieth century. M. Tu. Th. F. 1:50-3:30. Miss Green. Three semester hours.

Individual Instruction

Individual instruction in Applied Music, such as Woodwind Instrument Instruction, Brass Instrument Instruction, String Instruction, Piano Instruction, and Voice Instruction, can be elected for college credit by any
student in the college. Such elected study is granted two semester hours credit in the summer session. Consult the head of the department concerning enrollment for individual instruction.

OCCUPATIONAL THERAPY

MARY NELSON

227 Leatherwork


303 Weaving

DIVISION OF LANGUAGES AND LITERATURE

William R. Brown, Chairman

The Division includes the Departments of English, Languages, and Speech. It functions through a committee consisting of the respective heads of these departments. The heads of the departments and the departmental counselors will advise students relative to requirements for majors and minors in these departments and concerning any special requirements set up by the departments. In certain cases, where a group major or minor is possible and advisable, the chairman of the Division should be consulted. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog.

ENGLISH

WILLIAM R. BROWN
GEORGIANN BURGE
JACK C. ELLIS
LORENA N. GARY

FRANK C. HOUSEHOLDER
LUCILLE NOBBS
RUTH G. VAN HORN
LOUISE J. WALKER

LANGUAGE

106A Rhetoric
The course is planned to aid the student in developing greater facility in the use of language in the common human experiences of thinking, talking, reading and writing. M. Tu. Th. F. 7:30-9:10. Mrs. Burge. Three semester hours.

106B Rhetoric
A continuation of 106A. M. Tu. Th. F. 1:50-3:30. Mr. Ellis. Three semester hours.

325 History of the English Language

327 Writing by Types
An advanced elective course in writing for especially qualified students of junior or senior standing with a grade of A or B in Rhetoric 106. Reading and practice in writing with emphasis on literary qualities. M. Tu. W. Th. F. 9:30-10:20. Miss Nobbs. Two semester hours.
LITERATURE

121A American Literature

207A Great English Writers
Emphasis is placed on the study of Chaucer, Shakespeare's Henry IV, Part I, Twelfth Night, Milton's Paradise Lost, and Boswell's Johnson. Open only to sophomores. M. Tu. Th. F. 10:40-12:20. Mr. Ellis. Three semester hours.

207B Great English Writers

214A Shakespeare
The purpose of the course is to help the student read Shakespeare with better understanding and appreciation. One of the great tragedies and one of the better comedies are carefully studied in class. M. Tu. Th. F. 7:30-9:10. Dr. Brown. Three semester hours.

216—Contemporary Literature

218B—The English Bible—The New Testament
In this course an attempt is made to study the Bible as a body of great literature. Facts of history and composition, insofar as they are known, are carefully studied as a background for intelligent interpretation and appreciation of Biblical literature. M. Tu. W. Th. F. 9:30-10:20. Miss Gary. Two semester hours.

219 Short Story

305A Victorian Literature
The poetry and prose of the Regency and Early Victorian Periods. For juniors and seniors. Sophomores may enroll with the permission of the instructor. M. Tu. W. Th. F. 9:30-10:20. Mr. Martin. Two semester hours.
313 English Novel

322 American Literature
This course is intended for juniors and seniors who have not taken English 121A, B. (This course cannot be counted for credit together with courses 121A, B.) M. Tu. Th. F. 7:30-9:10. Miss Nobbs. Three semester hours.

Open to Seniors and Graduates

413 (184) The Novel From the Middle of the Nineteenth Century to the Present

TEACHING

300 Teaching of English
This course aims to give the prospective teacher in the junior and senior high school the best available information relative to the content and teaching of English. This course is strongly recommended for secondary English majors. M. Tu. W. Th. F. 9:30-10:20. Miss Walker. Two semester hours.

LANGUAGES

Harry P. Greenwall
Myrtle Windsor

100A Elementary French
The rudiments of grammar, drill in pronunciation, reading of a selected text, writing French from dictation, and memorizing of French songs and poems. The course aims, from the outset, to give training in understanding spoken French. M. Tu. W. Th. F. 10:40-12:20. Miss Windsor. Four semester hours.

100B Elementary German
This is a continuation of 100A. Approximately 100 pages of prose are read, and grammar, oral work, and composition are correlated. No credit is given for 100A unless 100B is completed. M. Tu. W. Th. F. 7:30-9:10. Miss Steckelberg. Four semester hours.

100B Elementary Spanish
This course is a continuation of the basic grammar, oral Spanish, pronunciation drill and reading begun in Spanish 100A. Prerequisite: one year of high school Spanish or 100A. M. Tu. W. Th. F. 1:50-3:30. Mr. Greenwall. Four semester hours.
202 Reading from Modern French Novels and Stories

This course is intended for students beyond the first-year French level, and is suited to the average ability of the class, yet takes into account, through individual work, differences in preparation. The course consists of reading of novels, short stories, and other material meant to broaden the culture of the students while increasing their speaking and reading ability by careful study of functional grammar and vocabulary. M. Tu. W. Th. F. 9:30-10:20. Miss Windsor. Two semester hours.

205 Goethe and the Present

The course consists of lectures and discussions of Goethe's ideas that have a meaning for the present. The basic material is Faust I in English. No prerequisite in foreign language. M. Tu. W. Th. F. 12:40-1:30. Miss Steckelberg. Two semester hours.

SPEECH

ALBERT B. BECKER
DELDEE M. HERMAN
CHARLES VAN RIPER
LAURA V. SHAW

105A Fundamentals of Speech

The basic course for all work in the department. A study and application of the fundamental principles underlying the use of the voice and the body for effective communication. Credit will be given for this course alone, but it is strongly urged that 105A and 105B be taken as a unit. M. Tu. Th. F. 7:30-9:10. Mrs. Herman. M. W. Th. F. 10:40-12:20. Mr. Becker. Three semester hours.

105B Fundamentals of Speech

Further study of principles, with additional opportunity for individual practice. Students interested in speech are advised to elect both 105A and 105B the first year. Prerequisite: Fundamentals of Speech 105A. M. Tu. W. F. 10:40-12:20. Miss Shaw. Three semester hours.

206 Public Speaking

Introductory study of the rhetorical principles of public speech and audience psychology. The primary aim is to develop clear thinking and ease and effectiveness in speaking. Frequent opportunity for platform work is given. Designed for upperclassmen. Prerequisite: Fundamentals of Speech 105A, B, or consent of instructor. M. Tu. W. F. 10:40-12:20. Mrs. Herman. Three semester hours.

210 Interpretative Reading

230 Introduction to Speech Correction
A course designed to acquaint the student with the scope, history and nature of speech correction. Topics considered are: the development of speech in the child, the psychology of the speech defective, the relationship of speech disorders to reading disabilities, and other psycho-educational problems. M. Tu. Th. F. 10:40-12:20. Dr. Van Riper. Three semester hours.

305 Speech for the Classroom Teacher
The course is designed to help the teacher become more effective in speaking and reading. The content of the course will be adjusted to meet the specific speech needs of the individual members of the class. M. Tu. Th. F. 7:30-9:10. Mr. Becker. Three semester hours.

331 Stuttering and Allied Disorders
This course is designed to provide the student with more detailed knowledge of the nature, causes, development, and treatment of the more serious speech disorders. The literature of stuttering, cleft palate, deaf, and aphasic individuals will be surveyed, and the various methods of treating these disorders will be described in detail. Case studies and presentation will be provided. Prerequisite: Principles of Speech Correction 231. M. Tu. W. F. 7:30-9:10. Dr. Van Riper. Three semester hours.
DIVISION OF PHYSICAL EDUCATION
AND HEALTH

Mitchell J. Gary, Chairman

The Division includes the Department of Physical Education for Men and the Department of Physical Education for Women. It functions through a committee consisting of the respective heads of these departments. The heads of the departments and the departmental counselors will advise students relative to requirements for majors and minors in these departments and concerning any special requirements set up by the departments. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog.

PHYSICAL EDUCATION FOR MEN

EDWARD A. GABEL  THOMAS C. SLAUGHTER
CLAYTON J. MAUS  ROY J. WIEZ

206 History and Principles of Physical Education

In this course the experience of past peoples in the physical development of youth are considered, principles are deduced therefrom and adapted to modern economic and political conditions. M. W. Th. F. 10:40-12:20. Mr. Wietz. Three semester hours.

207 Camping and Scouting

History, principles, and aims of the Boy Scout movement. Tests are passed and techniques mastered. General camping material is presented and tested in evening and overnight hikes. Good background for potential scoutmasters. M. Tu. W. Th. 10:40-12:20. Mr. Slaughter. Three semester hours.

208 Fundamentals and Technique of Football


209 Fundamentals and Technique of Basketball

This covers the theory and practice of basketball coaching. Foundation skills are stressed, with a study of offensive and defensive systems. A personal textbook involving all materials is created. M. Tu. W. Th. F. 9:30-10:20. Mr. Slaughter. Two semester hours.
210 Fundamentals and Technique of Baseball
Theory and practice in base running, fielding, batting, and pitching; detailed study of each position; offensive and defensive team play; officiating, scoring, study of rules. M. Tu. W. Th. F. 12:40-1:30. Mr. Slaughter. Two semester hours.

211 Fundamentals and Technique of Track and Field
The accepted forms of starting, hurdling, distance running, pole vaulting, discus and javelin throwing, and sprinting. Factors affecting speed, endurance, and fatigue. The selection and preparation of contestants for track and field events. Managing of meets. M. Tu. W. Th. F. 3:50-4:40. Mr. Maus. Two semester hours.

306 First Aid and Athletic Training
Knowledge and skill in meeting emergencies. The use of massage, strappings, and training room techniques from the coach's point of view. Prerequisites: Anatomy 211A, Physiology 211B. M. Tu. W. Th. 7:30-9:10. Mr. Gabel. Three semester hours.

310 Swimming
This course for physical education majors and minors is basic. Instruction is given to beginners with emphasis on the various strokes. Competent swimmers may participate in qualification tests for Senior Life Saving. M. Tu. Th. 12:40-1:30. Mr. Gabel. One semester hour.

312 Psychology of Coaching
Considers principles of psychology and their application to athletics and athletic coaching. Phases considered are: preparation for coaching; practice sessions; presenting material effectively; planning the season's campaign; personality, and will power. M. Tu. W. Th. F. 9:30-10:20. Mr. Wietz. Two semester hours.

320 Playground and Community Recreation
Nature and function of play; age periods and adaptations of activities; social environment; needs and objectives; playground development, construction, management and supervision. Study of outstanding programs in operation. A survey of recreational material. M. Tu. W. Th. 1:50-3:30. Mr. Gabel. Three semester hours.

343 Organization and Administration of Physical Education
The planning of physical education programs for city, village, and rural schools; the organization of health lessons, games, tests, meets, tournaments, and seasons of play; principles of supervision; construction and equipment of buildings, grounds, swimming pools, athletic fields, stadia. M. Tu. W. Th. 7:30-9:10. Mr. Maus. Three semester hours.
PHYSICAL EDUCATION FOR WOMEN

MARY BOTTJE

MARGARET S. LARGE

HELEN BROWN

101 Early American Dancing
   M. W. 6:30-7:45 P.M. Miss Large. One-third semester hour.

108 Restricted Physical Education
   A course in modified sports and recreation activities for students with
   physical limitations. M. Tu. Th. 12:40-1:30. Miss Bottje. One-third
   semester hour.

110 Swimming
   One-third semester hour.

113 Tennis
   One-third semester hour.

118 Archery

120 Badminton

122 Social Dancing
   Tu. Th. 6:30-7:45 P.M. Mrs. Brown. One-third semester hour.

285 Health Education
   In this course the fundamental scientific principles of healthful living are
   developed through a study of school health problems. An effort is made to
   make prospective teachers aware of modern methods and materials useful
   in helping school children solve their health problems. M. Tu. W. Th. F.
   12:40-1:30. Miss Large. Two semester hours.

334 Public School Physical Education
   A survey of the needs and interests of children as to physical education
   and presentation of suitable activities. This course may be substituted for
   Physical Education courses 233, 330, 331, or 332, which appear in the
   catalog. M. Tu. W. Th. 3:50-5:00. Miss Bottje. Two-thirds semester
   hour.
DIVISION OF RURAL LIFE AND EDUCATION

Wm. McKinley Robinson, Chairman

The Division includes the Departments of Agriculture and Rural Life and Education. It functions through a committee consisting of the respective heads of these departments. The heads of the departments and the departmental counselors will advise students relative to requirements for majors or minors in these departments and concerning any special requirements set up by the departments. In certain cases, where a group major or minor is possible and advisable, the chairman of the Division should be consulted. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog.

AGRICULTURE

HOWARD D. CORBUS

105 Rural School Agriculture

A course designed to present to prospective rural school teachers as much information and materials, as time permits, concerning the environment surrounding representative rural schools. Consideration is given to the amounts and sources of cash used to support family and school costs in farming areas. Tu. W. Th. F. 10:40-12:20. Mr. Corbus. Three semester hours.

301 Land Use and Soil Conservation

This course is aimed at establishing an understanding of the movement promoting better use of the various types of land, and the recommended practices for conserving the productivities of these lands. Tu. W. Th. F. 1:50-3:30. Mr. Corbus. Three semester hours.

RURAL LIFE AND EDUCATION

JAMES O. ANSEL

140 Curriculum

A study of the particular needs of rural children, the objectives of education relating to rural needs, and curriculum practices in carrying out accepted objectives. Students have a wide range of experience in observation and in the examination and development of materials suitable for rural schools. M. Tu. Th. F. 7:30-9:10. Dr. Ansel. Three semester hours.

240 Introduction to Directed Teaching

A functional study of the general principles underlying good teaching and management in the various types of rural schools. Group and individual observation and participation opportunities on and off campus are provided. M. Tu. Th. F. 10:40-12:20. Dr. Ansel. Three semester hours.
340 Rural School Administration
Problems met by teachers in rural schools are considered, such as district reorganization, community schools, public relations, support and control, county superintendent, state department, school plant, equipment and supplies, school law, professional ethics. M. Tu. Th. F. 7:30-9:10. Dr. Robinson. Three semester hours.

321 Rural Life (Seminar)*
Social research, such as local, county, or regional planning of various services and agencies is considered, members of the class devising forms and schedules for a rural community study. Individual problems are studied, field trips are included. Prerequisite: consent of instructor. M. Tu. W. Th. F. 3:50-4:40. Dr. Ansel, Dr. Robinson. Two semester hours.

345 Rural School Supervision (Seminar)*
Planned for principals, supervisors, and superintendents, this includes individual reports on problems related to the curriculum, teaching, and supervision of all types of rural schools and stresses the in-service education of teachers. Prerequisite: consent of instructor. M. Tu. W. Th. F. 3:50-4:40. Dr. Ansel. Dr. Robinson. Two semester hours.

348 Special Problems of Village and Consolidated Schools (Seminar)*
Supplementing 340, considers administrative topics confronting principals and superintendents in rural areas, such as aims and functions of the school in relation to the community, district surveys, location and planning of buildings, finance, transportation, selection, salary and tenure of teachers, extra curricular activities, PTA. Includes trips to nearby schools. Prerequisite: consent of instructor. M. Tu. W. Th. F. 3:50-4:40. Dr. Ansel. Dr. Robinson. Two semester hours.

*Consent of instructor must be secured before enrolling. Seminars to be given, not over two of the three listed, depending upon choice of students enrolling.
DIVISION OF SCIENCE AND MATHEMATICS

Paul Rood, Chairman

The Division includes the Departments of Biology, Chemistry, Geography and Geology, Mathematics, Physics, and Psychology. It functions through a committee consisting of the respective heads of these departments. The heads of the departments and the departmental counselors will advise students relative to requirements for majors or minors in these departments and concerning any special requirements set up by the departments. In certain cases, where a group major or minor is possible and advisable, the chairman of the Division should be consulted. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog.

Open to Graduates

571(D201a) The Teaching of Science

Analyzes and evaluates the objectives of science as a high-school subject and considers modern practices with respect to such topics as classroom method, motivation, laboratory work, directed study, and like problems. M. Tu. W. Th. F. 2:50-3:40. Dr. Mallinson.

BIOLOGY

A. Verne Fuller
Leslie A. Kenoyer

100B General Biology

A continuation of 100A, including classification and structures of the multicellular plants and animals, and consideration of genetics, embryology, evolution, ecology, and conservation. M. Tu. W. Th. F. 7:30-10:20. Mr. Reynolds. Four semester hours.

112 Hygiene

This course deals with the fundamental principles of health promotion and disease prevention and control, guiding the student toward a more satisfactory adjustment to his environment. The functional rather than the anatomical phases of hygiene are emphasized, and some attention is given to mental and social hygiene. M. Tu. W. Th. F. 12:40-1:30. Mr. Reynolds. Two semester hours.

211B Physiology

This course deals with the fundamental principles of physiology and their application to body functioning, particularly in man. The various metabolic processes are studied in detail. Prerequisite: 100A, B, 211A, or their equivalent. M. Tu. W. Th. F. 12:40-3:30. Dr. Steen. Four semester hours.
231B Nature Study
Rocks, minerals, electricity, summer flowers, pond life, and migratory and resident birds are included in discussions, laboratory, and field work, which continue the aims of 231A. M. Tu. W. Th. F. 9:30-12:20. Miss Fuller. Four semester hours.

234 Bird Study
This course undertakes to develop knowledge and appreciation of the birds through study of their plumage, song, flight, migration, nesting habits, relation to environment, and importance to man. The student learns to identify a minimum of 100 birds in the laboratory and 50 in the field. M. W. F. 7:30-9:10. Miss Fuller. Two semester hours.

241 Insect Study
Designed to offer systematic study and classification of insects, as well as their structural adaptations, life histories, habits, economic importance and means of control. Laboratory and field studies are included. Prerequisite: General Biology 100A, B, or equivalent. M. Tu. W. Th. 3:50-4:40. Dr. Steen. Two semester hours.

305 Evolution and Genetics
In the classroom, supplemented by demonstrations, the evidence supporting the theory of evolution is examined. The field of genetics is explored largely from the basis of the significance of hereditary changes in relation to evolution. Informal laboratory work is included. Prerequisite: 100A, B, or equivalent. M. Tu. W. Th. F. 10:40-12:20. Dr. Kenoyer. Three semester hours.

Open to Seniors and Graduates

420(122) Systematic Botany
The Michigan flora is studied, to give training in the identification and classification of the higher plants. M. Tu. W. Th. F. 1:50-3:30. Dr. Kenoyer. Three semester hours.

CHEMISTRY

Robert J. Eldridge
Gerald Osborn
Lawrence G. Knowlton

BASIC CHEMISTRY COURSES

101A General Chemistry
This is a more advanced course than 100A. The theory and fundamental principles of chemistry are emphasized. It is a foundation course. Prerequisite: one unit of high-school chemistry and one unit of algebra. M. Tu. Th. F. 7:30-9:10. Lab. M. Tu. W. Th. F. 10:40-12:20. Mr. Eldridge. Four semester hours.
101B  General Chemistry
A continuation of course 101A. Prerequisite: General Chemistry 101A.
Eldridge. Four semester hours.

201 Qualitative Analysis
A lecture and laboratory course treating the theory and practice of sepa-
ration and identification of both cations and anions. Prerequisite: General
Chemistry 100A, B or 101A, B. A knowledge of common logarithms is
Th. F. 7:30-9:10. 10:20-12:00. Dr. Osborn. Four semester hours.

202 Quantitative Analysis
This course includes the theory and practice of volumetric and gravimetric
analysis. Prerequisite: Qualitative Analysis 201. A knowledge of quadratic
equations and common logarithms is essential. Lecture, M. Tu. W. Th. F.
semester hours.

306A  Organic Chemistry
Preparation and reactions of organic compounds, of both the aliphatic and
the aromatic series, are studied. These courses are valuable, not only to
those students who wish to teach chemistry, but also to those who may later
study medicine, dentistry, or chemical engineering. Prerequisite: General
Chemistry 100A, B or 101A, B. Open to qualified sophomores. Lecture,
Knowlton. Four semester hours.

PULP AND PAPER TECHNOLOGY

131 Summer Mill Practice
In order to gain practical experience, students of pulp and paper tech-
nology are required to work in a mill for ten weeks following the second
semester. Employment has to be secured and/or approved by the Advisory
Committee of the Paper Industry. Prerequisite: Orientation to Pulp and
Paper Technology 130A, B. Tu. Th. 1:30-5:30. Dr. Osborn. Two semester
hours.

231 Summer Mill Practice
A continuation of paper-mill work to give the student diversified prac-
tical experience. It is expected that the student will work in pulp and
paper mills at least two out of three summers. Prerequisite: Pulp and
Paper Manufacture 230A, B. Tu. Th. 1:30-5:30. Dr. Osborn. Two semes-
ter hours.

331 Summer Mill Practice
Course 331 is optional for students who receive credit for courses 131
and 231. Tu. Th. 1:30-5:30. Dr. Osborn. Two semester hours.
GEOGRAPHY AND GEOLOGY

WILLIAM J. BERRY

206 United States and Canada
Study of areal differentiation in Anglo-American and of present-day problems, with emphasis upon occupational crises in selected regions. Prerequisite: Introductory Geography 105A, B or Geography 305. M. T. Th. F. 1:50-3:30. Dr. Berry. Three semester hours.

207 Europe
Course discloses the ways man has adjusted his economic, political, and social life to the natural environmental conditions within the regions of the continent. Prerequisite: Introductory Geography 105A, B or Geography 305. M. W. Th. F. 7:30-9:10. Miss Logan. Three semester hours.

303 Geographic Techniques
Guidance is given in the selection, interpretation, and use of all major types of geographical materials such as texts, library materials, pictures, and maps. Special emphasis is placed upon the organization of geographic findings. Prerequisite: Introductory Geography 105A, B or Geography 305. M. W. Th. F. 10:40-12:20. Miss Logan. Three semester hours.

Open to Seniors and Graduates

406(163) Geography of Michigan
Detailed but non-technical study of Michigan in which are taken up the major economic, social, and recreational activities with a view to explaining their existence in the state where each activity is prominent. Prerequisite: Introductory Geography 105A, B or Geography 305, or equivalent. M. Tu. W. Th. F. 12:40-1:30. Dr. Berry. Two semester hours.

MATHEMATICS

CHARLES H. BUTLER

100A Intermediate Algebra
Designed for students who present for admission only one year of algebra. For such students it should precede all other college courses in mathematics. The course includes a review of the important topics of the first year's course, together with the work usually given in the third term of the high-school course. Prerequisite: one year of high-school algebra and one year of high-school geometry. M. Tu. Th. F. 1:50-3:30. Dr. Butler. Three semester hours.

100C Plane Trigonometry
Trigonometric ratios, identities and equations, inverse function, theory and use of logarithms, circular measure of angles, solution of triangles.
Prerequisite: Intermediate Algebra 100A or a year and a half of high-school algebra, and at least one year of Euclidean geometry. M. Tu. Th. F. 7:30-9:10. Mr. Cain. Three semester hours.

101 Arithmetic
Lectures and discussions on the history and teaching of the subject, with assigned reading. Extended treatment of typical problems of applied arithmetic. This course gives credit in education. M. Tu. Th. F. 10:40-12:20. Mr. Cain. Three semester hours.

115 College Algebra
A review of exponents, radicals, and quadratic equations, including systems of quadratic equations, progressions, the binomial theorem, complex numbers; theory of equation, including Horner's method, determinants, permutations and combinations. Prerequisite: one and one-half years of high-school algebra and one or one and one-half years of high-school geometry, or the equivalent. M. Tu. Th. F. 1:50-3:30. Mr. Peterson. Three semester hours.

116 Analytic Geometry
Analytic geometry of the straight line, circle, and conic sections; change of axes; properties of conics, involving tangents, diameters and asymptotes. Prerequisite: trigonometry and college algebra. M. Tu. W. Th. F. 10:40-12:20. Dr. Butler. Four semester hours.

205A Calculus
Functions, limits, continuity, the derivatives of algebraic, trigonometric, inverse, exponential, and logarithmic functions; applications of the derivatives, the differential, curvature, motion. Prerequisite: College Algebra and Analytic Geometry 104A. M. Tu. W. Th. F. 7:30-9:10. Mr. Peterson. Four semester hours.

PHYSICS

GROVER C. BAKER

WARREN J. MCGONNAGLE

EDWIN S. FOX

200 Slide Rule

203A Mechanics, Sound, and Heat
A general college course dealing with the laws of mechanics, of sound, of heat, and their application. Freshmen may elect this course. Prerequisite: high school physics and trigonometry. Lecture, M. Tu. W. Th. F. 10:40-12:20. Laboratory, Tu. Th. 1:50-4:00. Dr. McGonnagle, Mr. Baker. Four semester hours.
203B Electricity and Light

This course follows Mechanics, Sound, and Heat 203A and consists of studies in electricity, magnetism, and light. Prerequisite: Mechanics, Sound, and Heat 203A. Lecture, M. Tu. W. Th. F. 10:40-12:20. Laboratory, Tu. Th. 1:50-4:00. Mr. Fox, Mr. Baker. Four semester hours.

204A Problems

A course in the solution of problems in mechanics, sound, and heat. It is designed to accompany 203A. M. W. F. 1:50-3:30. Dr. McGonnagle. One semester hour.

204B Problems

A course in problems in electricity and light designed to accompany 203B. M. W. F. 1:50-3:30. Mr. Fox. One semester hour.

220 Photography

This is an elementary course in the theory and use of photographic materials. To enroll in this course students should get permission from the instructor. M. Tu. Th. F. 10:40-12:20. Mr. Baker. Three semester hours.

PSYCHOLOGY

PHIL W. BUCK
DOROTHY J. MCGINNIS
FRANCES M. CARP

200 General Psychology


204 Applied Psychology

A study of the psychological factors in occupational choice and adjustment, and the implications of psychology for business and industry. Attention is given to the psychology of salesmanship and the psychology of advertising. M. Tu. W. Th. F. 12:40-1:30. Mrs. Carp. Two semester hours.

207 Psychology of Personality

Attention is given to individual differences, traits, content, and synthesis of personality; modification of behavior and varieties of adjustive behavior. Emphasis is placed upon constructive personal adjustment and the manner in which it is achieved in various inter-personal relations. M. Tu. W. Th. F. 1:50-3:40. Mrs. Carp. Four semester hours.

Open to Seniors and Graduates

404(122) Occupational Analysis and Classification

Sources of occupational information; procedures and techniques of job analysis and job classification; applications in employment procedures, placement, and vocational counseling. M. Tu. W. Th. F. 10:40-11:30. Dr. Buck. Two semester hours.
M. Tu. W. Th. F. 2:50-3:40. Dr. Buck. Two semester hours.
DIVISION OF SOCIAL SCIENCES

Leonard C. Kercher, Chairman

The Division includes the Departments of Economics, History, Philosophy, Political Science, and Sociology. It functions through a committee consisting of the respective heads of these departments. The heads of the departments and the departmental counselors will advise students relative to requirements for majors or minors in these departments and concerning any special requirements set up by the departments. In certain cases, where a group major or minor is possible and advisable, the counselor of the Division should be consulted. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog.

ECONOMICS

JOHN D. AMEY, JR. HOWARD F. BIGELOW

MARGUERITE PATTON

220A  Principles of Economics

A study of the fundamental principles of economics and their application to some of our more important economic problems. M. W. Th. F. 10:40-12:20. Mr. Amey. Three semester hours.

220B  Principles of Economics


322  Corporations


327  Economic Statistics

A course designed to promote the importance and use of statistical devices and formulae as applied to economic data; to enable the student to collect or assemble basic statistical data and to organize them; and to develop his capacity to use summary statistics as interpretative tools and aids in economic studies and practical management operations. Prerequisite: Mathematics 209 or 211 or consent of the instructor; Principles of Economics 220A, B. M. Tu. W. Th. F. 12:40-1:30. Mrs. Patton. Two semester hours.

329  Business Administration

This course deals with the elementary principles of internal organization and management of industrial enterprises. It includes a discussion of plant location and types of construction; material equipment and power; planning
and routing; statistics and accounting; marketing methods and problems; production management; personnel administration; purchasing, traffic, credit, and collections. Prerequisite: Principles of Economics 220A, B. M. W. Th. F. 7:30-9:10. Mr. Amey. Three semester hours.

Open to Seniors and Graduates

425(191) Consumer Economics
A comparative study of standards and levels of living, designed to acquaint the student with the ways people actually live in different types of communities and various economic levels. Of special interest to the teacher. Prerequisite: Principles of Economics 220A, B or consent of the instructor. M. Tu. W. Th. F. 8:30-9:20. Mr. Bigelow. Two semester hours.

HISTORY

JAMES O. KNAUSS
A. EDYTHE MANGE
RUSSELL H. SEIBERT

108A Modern Europe, 1500-1815
A study of the Reformation; 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; colonial conflict, social and political ideas of the eighteenth century; the French Revolution; and the era of Napoleon. M. Tu. W. Th. F. 7:30-9:10. Dr. Mange. Three semester hours.

108B Modern Europe, 1815 to the Present Time
The reactionary period after 1815; the industrial revolution; the liberal and national movements of the nineteenth century; the Near-Eastern question; the expansion of Europe in Asia and Africa; international relations; World War I; the peace treaties; causes and results of World War II. M. Tu. Th. F. 10:40-12:20. Mr. Mowen. Three semester hours.

201A United States History to 1860
A general survey of American history from the beginning of the Thirteen Colonies to the Civil War. M. Tu. W. F. 1:50-3:30. Dr. Mange. Three semester hours.

201B United States History, 1860 to the Present

306B United States History, 1901 to the Present
This course is conducted in a manner similar to that of 305A, B and 306A, but a greater effort is made to present a complete outline. Prerequisite: six semester hours of history. M. Tu. W. Th. F. 12:40-1:30. Dr. Russel. Two semester hours.
308  European Diplomatic History, 1878-1919
A study of the causes of World War I; the military and diplomatic events of the war; the revolutionary movements leading to the fall of the central and eastern empires and the creation of new states; the peace settlement. M. Tu. Th. F. 1:50-3:30. Mr. Mowen. Three semester hours.

313  History of Michigan
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. M. W. Th. F. 10:40-12:20. Dr. Knauss. Three semester hours.

316  The French Revolution and Napoleonic Era, 1789-1815
The overthrow of the French Monarchy and establishment of the First French Republic, the rise and fall of the Napoleonic Empire, and the spread of revolutionary principles throughout Europe. Prerequisite: An introductory course in European history. M. Tu. W. Th. F. 9:30-10:20. Dr. Seibert. Two semester hours.

Open to Seniors and Graduates

403(161)  American Foundations: The English Colonies in America, 1607-1763
Mainland and island settlements; development of society and institutions; policy and administration. M. Tu. W. Th. F. 2:50-3:40. Dr. Knauss. Two semester hours.

Open to Graduates

515(285)  Studies in Western Europe: Eighteenth Century Enlightenment
Lectures and reading on the character of the eighteenth century enlightenment, with special attention to France; and the critical use of historical materials in the preparation of papers on significant philosophes. M. Tu. W. Th. F. 11:40-12:30. Dr. Seibert. Two semester hours.

POLITICAL SCIENCE

Samuel I. Clark

Elsworth P. Woods

D. C. Shilling

230  American National Government

231  American State and Local Government
An effort is made to acquaint the student with the organization, aims, and problems of state, county, and municipal government. Special emphasis on
DIVISION OF SOCIAL SCIENCES


Open to Seniors and Graduates

430(184) American Political Thought

A survey of the leading American contributions to our political thought, grouped around each of several great eras and issues of our national development. Lectures, textbook, and source material will be used. Prerequisite: Government 230. M. Tu. W. Th. F. 9:30-10:20. Dr. Shilling. Two semester hours.

439(164) Conduct of American Foreign Relations

A study of the conduct of American foreign relations and the instrumentalities through which they are carried on. Prerequisites: six hours in Political Science or United States History. M. T. W. Th. F. 1:50-2:40. Dr. Woods. Two semester hours.

SOCIOLOGY

TILMAN C. COPTHAN
CHESTER L. HUNT

241 Principles of Sociology

A study of man's social nature and of the social world in which he lives. The biological, social, and cultural factors underlying the development of human personality and the various forms and processes of group association are analyzed. M. Tu. Th. F. 7:30-9:10. Dr. Cothran. Three semester hours.

242 Modern Social Problems

A general survey of some of the major social problems now confronting American society, such as inter-group conflict, physical and mental ill health, economic insecurity, juvenile delinquency and crime, population changes, and mass communication. Prerequisite: Principles of Sociology 241. M. Tu. Th. F. 1:50-3:30. Dr. Hunt. Three semester hours.

341 Social Control


358A Orientation to Field Work

A course in agency observation and study, aiming to orient the student to a specific field work assignment. A minimum of 50 hours of on-the-spot study of the agency's organization, functions, and methods are required. Prerequisite: Principles of Social Work 355, and consent of the instructor. M. Tu. W. Th. F. 9:30-10:20. Mrs. Reid. Two semester hours.
358B  Supervised Field Work

A continuation of Orientation to Field Work 358A, with emphasis on supervised participation in the work of the agency. Each student is required to complete 100 hours of field work on specific assignments. The student's work is evaluated jointly by the agency supervisor and the instructor. Prerequisite: Orientation to Field Work 358A, and consent of the instructor. M. Tu. Th. F. 10:40-12:20. Mrs. Reid. Three semester hours.

Open to Seniors and Graduates

447(180)  Race and Culture Contacts

Social assimilation and isolation; race as a physical and as a social concept; the Negro in the South and in the North; Mongoloid minorities in the United States; the pseudo-Jewish race; race and ethnic relations in other cultures. M. Tu. W. Th. F. 11:40-12:30. Dr. Cothran. Two semester hours.

449(243)  Child Psychiatry

Discussion of causation, symptomatology, prognosis, and treatment of mental and emotional maladjustments of childhood. M. W. F. 7:00-9:00 P.M. Dr. Williamson. Two semester hours.
DIVISION OF TEACHER EDUCATION

James H. Griggs, Director

The Division includes the Departments of Education and Librarianship. The heads of the departments and the departmental counselors will advise students relative to the requirements governing work taken in these departments. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog and the Description of Curricula Bulletin.

EDUCATION

VIOLET BEIRGE
JANE A. BLACKBURN
DOUGLAS D. BLOCKSMA
JOHN A. BUELKE
ROY C. BRYAN
ALICE CAGNEY
HOMER L. J. CARTER
CLARA R. CHIARA
ORIE I. FREDERICK

JOSEPH W. GIACHINO
HARRY P. GREENWALL
JAMES H. GRIGGS
JAMES A. LEWIS
GEORGE H. MALLINSON
ESTHER D. SCHROEDER
AVIS L. SEBALY
SARA SWICKARD
OTTO YNTEMA

212 Psychology of Reading
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. Prerequisite: as many honor points as hours of credit. M. Tu. W. F. 7:30-9:10. Miss Blackburn. M. Tu. Th. F. 10:40-12:20. Miss Schroeder. Three semester hours.

240 Manuscript and Cursive Writing
This course is designed for those who wish to improve their own writing and for those who wish to teach the subject in the grades. Manuscript or print writing and cursive writing will both be presented. Simple lettering will also be given some attention. M. Tu. W. Th. F. 12:40-1:30. Mr. Greenwall. Two semester hours.

251 Human Growth and Development

308 Parent Education Workshop
This workshop will enable students to appraise and organize materials and methods of work suitable for child-study groups or parent-teacher
meetings. Efforts will be made to secure practice in handling child-study groups. Two weeks, July 10-July 21. M. Tu. W. Th. F. 8:30-3:40. Mr. Yntema and others. Two semester hours.

351 Introduction to Directed Teaching
The course is designed to prepare students for successful student teaching. Prerequisite: Human Growth and Development 251 or equivalent and as many honor points as hours of credit. Tu. W. Th. F. 7:30-9:10. Mr. Sebaly. M. Tu. Th. F. 10:40-12:20. Dr. Beirge. Three semester hours.

353 Foundations of Modern Education
This course acquaints the prospective teachers with the historical and philosophical backgrounds of the institution in which he is to work, in order to prepare for intelligent participation in the interpretation of modern educational issues and the solution of present-day educational problems. Prerequisite: Human Growth and Development 251. M. W. Th. F. 10:40-12:40. Mr. Sebaly. Three semester hours.

378 Problems of Teaching in Elementary and Secondary Schools
Consideration will be given to problems which teachers face in the classroom, school, and community. The major topics studied and discussed in the course include: working with other teachers, supervisors, administrators, homes and community; guiding pupils and providing for their interests and needs; teaching procedures and aids to instruction; sponsoring special activities; adapting curriculum to present-day needs; and evaluation of the outcomes of instruction. M. Tu. W. Th. 1:50-3:30. Miss Schroeder. Three semester hours.

Open to Graduates and Seniors

408(C178) Parent Education
Placed major emphasis upon discovering and analyzing the home problems which have educational implications for the child. M. Tu. W. Th. F. 9:30-10:20. Dr. Griggs. Two semester hours.

423(C119) Educational Guidance and Adjustment
Deals with the personal, recreational, educational, and vocational guidance of youth. Methods of counseling and techniques of gathering pertinent personnel data will be presented. M. Tu. W. Th. F. 12:40-1:30. Mr. Blocksma. Two semester hours.

431(C130) Education of Exceptional Children
Deals with the problems and methods involved in the adjustment and training of exceptional children in the schools—the mentally retarded, the gifted, the crippled, the deaf, the blind, the emotionally unstable, and the delinquent. M. Tu. W. Th. F. 9:30-10:20. Miss Cagney. Two semester hours.
Open to Graduates

510B(C107b) Psychology of the Elementary-School Subjects

Deals with the psychological principles underlying present and projected practices in the teaching of arithmetic, spelling, and the social studies. M. Tu. W. Th. F. 10:40-11:30. Dr. Swickard. Two semester hours.

513(B251) Supervision of Elementary-School Instruction

Required of students preparing for the preliminary examination for the doctorate of elementary education. Presupposes training and experience in elementary education and a rudimentary knowledge of public-school administration. M. Tu. W. Th. F. 11:40-12:30. Dr. Swickard. Two semester hours.

514(B252) Elementary-School Organization and Administration

Deals with the general managerial problems of the elementary school. Open to students of maturity and experience who wish to fit themselves for principalships or supervisorships in grades one to eight. M. Tu. W. Th. F. 8:30-9:20. Mr. Buelke. Two semester hours.

520(B120) Improvement of High-School Teaching

For teachers of experience, high-school principals, and superintendents who desire to consider the larger problems of classroom instruction. Open also to graduate students without teaching experience. M. Tu. W. Th. F. 10:40-11:30. Dr. Chiara. Two semester hours.

522(C116b) Learning in the Secondary School: The Psychology of High-School Subjects

Includes sensorimotor skills, conditioning, and problem solving. Students may select from the fields of physical education, languages, the natural or social sciences or the arts for special study. M. Tu. W. Th. F. 1:50-2:40. Dr. Chiara. Two semester hours.

524(B124) Secondary-School Administration


525(B156) High-School Supervision

Deals with the measure, aims, and principles of supervision of secondary school subjects. M. Tu. W. Th. F. 11:40-12:30. Dr. Frederick. Two semester hours.

527A(B227a) Seminar: Secondary-School Curriculum

Considers needs and interests of adolescents, content and organization of school experiences, ways to vitalize experiences of youth, and the use of research techniques in working on curriculum problems. M. Tu. W. Th. F. 7:30-8:20. Dr. Mallinson. Two semester hours.
529(C217) **Techniques of Guidance**

Familiarizes the student with the instruments of guidance and how to apply them. Stresses the interpretation and application of basic data to guidance situations and techniques of counseling. Systematic observations of practice employed in selected institutions and agencies are a requirement of the course. M. Tu. W. Th. F. 10:40-11:30. Mr. Blocksma. Two semester hours.

531(C132) **Clinical Study of Atypical Children**


549(B227s) **Aviation Workshop**

A study of basic aviation materials and activities that are appropriate for different grade levels. Sufficient aviation experiences will be provided to permit secondary and elementary school teachers to secure a broad background about aviation and its implications for education. M. Tu. W. Th. F. 1:50-3:30. Dr. Giachino, Mr. R. Miller, and others. Four semester hours.

560(B250) **Principles of Educational Administration.**

Deals with the philosophy and principles underlying school administration. Required for the master's degree in general administration and of all students preparing for the preliminary examination for the doctorate in educational administration. Presupposes a rudimentary knowledge of administration and some practical field experience. M. Tu. W. Th. F. 9:30-10:20. Mr. Lewis. Two semester hours.

562(B192) **Methods of Research in Education**

Introduces students to the theories and techniques of educational research. Study is made of the selection of problems, preparation of bibliography, statistical treatment of educational data, and the writing of the thesis. M. Tu. W. Th. F. 1:50-2:40. Dr. Mallinson. Two semester hours.

565(B248) **State School Administration**

The principles and practices of state school administration. Recommended for the master's degree in general administration and for all students preparing for the preliminary examination for the doctorate in educational administration. Presupposes at least a rudimentary knowledge of administration and some practical field experience. M. Tu. W. Th. F. 12:40-1:30. Mr. Lewis. Two semester hours.
DIRECTED TEACHING

The Campus Elementary School is open in the summer session from 8:30 A.M. to 12:00 M. Certain high school classes will be held in Central High School, Kalamazoo, during the morning hours. Courses in directed teaching are offered in both elementary and secondary work for a period of six weeks. Directed teaching assignments are reserved for students who have not been in residence during the regular term, and for those who are completing the work for a certificate. Since the number of such opportunities is limited, application should be made to the Director of Teacher Education 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 and to provide opportunity for making up of grades or subjects by those who have failed promotion.

Students enroll for directed teaching at the office of the Director of Teacher Education, Room 107, Health and Personnel Building, on enrollment day. At this time assignment is made to a definite grade and supervisor. Critic meetings with the supervisors are held Mondays, Tuesdays, Thursdays, and Fridays, from 7:30 to 8:30 A.M., and at such other times as the supervisors may designate. All who enroll for directed teaching must reserve the hours from 8:00 A.M. to 12:00 M.

Students may not enroll for more than 3 semester hours of directed teaching in the summer session.

371 Directed Teaching
This work includes the teaching of classes in the elementary and secondary schools, 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 directed teaching and with the principals of the summer schools. Dr. Griggs and supervisors. Three semester hours.

372 Directed Teaching
Open to those who have previously fulfilled a part of their requirements in directed teaching. Similar to description for 371. Dr. Griggs and supervisors. Three semester hours.
202 Reading Interests of Children

In association with children, the class will read and evaluate a wide range of books on varying reading levels as a basis for consideration of present-day children's interests in the light of the development of children's reading. There will be opportunity to examine, evaluate, and use printed aids for the selection of books for children. **M. Tu. Th. F. 10:40-12:20. Miss M. G. Hunt. Three semester hours.**

302 Reading Interests of Youth

Study of the fields of literature of interest to youth. Students will read and evaluate, in association with young people, a wide range of books selected from both adult and juvenile levels. Emphasis is placed on the development of appreciation and methods of awakening interest in reading. Attention is given to sources for selection of such books. **M. Tu. Th. F. 7:30-9:10. Miss H. Hunt. Three semester hours.**

303 Selection of Reading Materials

Building the book collection for the library, with emphasis on the needs of the school clientele and in relation to the community. Attention is given to the evaluation and effective use of sources for selection of books, periodicals, and other materials. **M. Tu. Th. F. 1:50-5:30. Miss Gudde. Three semester hours.**

306 Storytelling

Underlying principles of the art of storytelling; techniques; content and sources of materials. Practice in telling stories before groups of children is provided. Planning the story-hour program for various ages as a means of developing appreciation of literature and stimulating an interest in reading. **M. Tu. W. Th. F. 12:40-1:30. Miss H. Hunt. Two semester hours.**

311 Reference Service

Students will have opportunity to examine, evaluate and use the kinds of books valuable for use in connection with the curriculum and with the varied needs and interests of children and youth. Includes study of the sources for selection of reference materials. Stresses responsibility of instructing pupils in the use of books and libraries. **M. Tu. Th. F. 7:30-9:10. Dr. Van Hoesen. Three semester hours.**

360 Organization of Library Materials

Methods of organizing various types of materials such as books, periodicals, pamphlets, and audio-visual aids for effective use in relation to the demands of schools and of the community. Emphasis is placed upon practical methods of keeping essential business records, book buying, processing

362 The Library in the Modern Community
The course aims to give the student professional background and opportunity to broaden his own reading program. Surveys the development of libraries in the United States from the Colonial period to the present day with consideration of various types of libraries in relation to their contribution to society. Attention is given the adult education program, county and regional library service, and the services rendered through national, state, and local library agencies. M. Tu. W. Th. F. 9:30-10:20. Dr. Van Hoesen. Two semester hours.

380 Library Observation and Practice
Opportunity will be given the student to observe various kinds of library service. Candidates in the county library program will elect this course to provide supervised practice periods in selected cooperating county libraries, and candidates in the school library program who have previously completed practice teaching will need to elect this to provide a practice period under supervision in a school library. M. Tu. W. Th. F. Hours to be arranged. Dr. Van Hoesen, Miss H. Hunt, and Miss Gudde. Three semester hours.
DIVISION OF VOCATIONAL AND PRACTICAL ARTS EDUCATION

Deyo B. Fox, Director

The Division includes the Departments of Business Education, Distributive Education, Home Economics, and Industrial Education. It functions through a committee consisting of the respective heads of these departments. The heads of the departments and the departmental counselors will advise students relative to requirements for majors or minors in these departments and concerning any special requirements set up by the departments. In certain cases, where a group major or minor is possible and advisable the chairman of the Division should be consulted. Major and minor requirements and special departmental requirements are listed under the individual departments in the Annual Catalog.

BUSINESS STUDIES

JOHN B. HEALEY
ROY O. HUNTER
GEORGE A. KIRBY

LESTER R. LINDQUIST
RUTH C. WALMSLEY
EDNA WHITNEY

101A Elementary Typewriting

The mastery of the keyboard and the proper techniques of typewriting are developed in this course. Open to students with less than one year of high-school typewriting credit. M. Tu. W. Th. F. 9:30-10:20. Mrs. Whitney. Two semester hours.

151A Merchandise Information—Non-Textiles

An organized study of non-textile merchandise especially aimed at correlating retail experience with classroom work. Merchandise manuals are studied and developed. M. Tu. W. Th. F. 9:30-10:20. Mrs. Walmsley. Two semester hours.

200A Coordinated Business Experience

Limited to second-year students who are currently enrolled in Store Organization 251. Credit will be granted upon completion of (1) a minimum of 200 clock hours of approved store work, (2) a report from the employer, and (3) a term paper by the student. M. Tu. Th. F. 10:40-12:20. Mrs. Walmsley. One semester hour.

210A Accounting

This course deals with the elementary principles of accounting and considers the more common technical devices for recording business transactions according to those principles. M. Tu. Th. F. 10:40-12:20. Mr. Kirby. Three semester hours.
230A Office Machines
This course provides the student with the operating knowledge of office machines that are commonly used in the modern business office. M. Tu. Th. F. 7:30-9:10. Mr. Hunter. Two semester hours.

230B Office Machines
A continuation of Office Machines 230A. This course is intended primarily for the student preparing for the various office occupations. M. Tu. Th. F. 7:30-9:10. Mr. Hunter. Two semester hours.

232 Business Correspondence
Provision is made in this course for an analysis of and practice in writing various types of business letters and reports. A study is made of the principles of effective expression in all letters of business correspondence. M. Tu. Th. F. 1:50-3:30. Mr. Lindquist. Three semester hours.

240 Retail Advertising
Newspaper, radio, direct-mail advertising; display plans and techniques of sales promotion; the publicity calendar and budget. M. Tu. Th. F. 7:30-9:10. Mrs. Walmsley. Three semester hours.

311 Cost Accounting
The relation of cost accounting to management for control; general principles involved in constructing a cost system; distribution of cost-materials, labor, and burden; cost records; operating reports; joint and by-product costs and budgetary control. Prerequisite: Accounting 210A, B. M. Tu. Th. F. 7:30-9:10. Mr. Kirby. Three semester hours.

320A Business Law
A study of the basic principles of law applicable to business. Law of contracts, negotiable instruments, debtor or creditor relationships, bailment, are studied from the viewpoint of the business man. M. Tu. Th. F. 10:40-12:20. Dr. Healey. Three semester hours.

336 Personnel Administration
The personnel office in modern business and industry. The duties and work of the personnel staff, personnel office, records and reports, interviewing, counseling, adjustment of complaints, job analysis, job classification, inservice training, and upgrading of employees. Prerequisite or concurrent: Psychology of Personality 207. M. Tu. Th. F. 1:50-3:30. Dr. Healey. Three semester hours.

339 Business Problems
An opportunity to approach business from the case-study viewpoint. Problems to be studied will be correlated with the students' major interest in their field of business. Wherever possible, actual business cases in the surrounding business area will be used. M. Tu. Th. F. 10:40-12:20. Mr. Lindquist. Three semester hours.
Open to Graduates

503 (E163) Problems of Teaching Office Machines

The study of the various types of office machines and their functions in the modern office. The survey includes such office machines as calculators, adding, bookkeeping, and billing machines, the Comptometer, various duplicating processes, the Dictaphone, the Ediphone, and the addressograph. Trips are made to study office conditions. M. Tu. W. Th. F. 1:50-3:30. Mr. Hunter. Two semester hours.

507A, B (E107a, b) Techniques of Securing and Using Vocational Information

Gives an opportunity to gather occupational information in industry, business, and office practice through actual contact with the various types of institutions. Familiarizes the student with employment practices and with occupational opportunity and requirements, and provides lecturers from business and industry presenting problems pertaining to development, production, distribution, personnel, finance, educational training, etc. Lectures and discussions will be devoted to the guidance implications involved in the study, and the material obtained will be arranged in such a manner as to be usable for teaching purposes. Three weeks, June 26-July 14. M. Tu. W. Th. F. 7:30-9:20; 1:50-3:30. Mr. Trimpe, Miss Hitchcock. Four semester hours.

HOME ECONOMICS

RACHEL ACREE

EULALIA TOMS

120 Personal and Social Problems

This general course is planned for those who do not intend to teach home economics. Consideration will be given to such units as selection and care of clothing, personal health and grooming, social usage, nutrition, the hot lunch, and applied art. The units taught will be selected on the basis of the interests and needs of the students. M. W. F. 3:50-4:40. Miss Stamm. One semester hour.

203 Clothes and Personality

This course is to help the student who is interested in spending her clothing dollars more wisely. Laboratory work consists of making garments to develop a knowledge of construction. Emphasis is placed on selection of clothes to suit personality types. M. Tu. W. Th. F. 7:30-9:10. Miss Toms. Two semester hours.

222 Everyday Nutrition for Health

The course offers information of value to everyone interested in building optimum health. The normal nutrition of the pre-school, elementary, high-school student, and adults is studied. Signs of good and poor nutrition,
diets for children of all ages, school lunches to promote health, and materials for teaching nutrition are included.

The course is open to sophomores, juniors, and seniors not in the department of Home Economics. M. Tu. W. Th. F. 9:30-10:20. Miss Acree. Two semester hours.

305 Family Clothing

This course is flexible in content to meet the needs of advanced students preparing to teach clothing selection and construction to definite groups of persons. Garments are made for persons of any age, from either new or old material. Prerequisite: Clothing Clinic and Textiles 103, Clothing 205, Costume Design 209. M. Tu. W. Th. F. 1:50-3:30. Miss Toms. Two semester hours.

319 Experimental Food Study


305 Family Clothing

This course is flexible in content to meet the needs of advanced students preparing to teach clothing selection and construction to definite groups of persons. Garments are made for persons of any age, from either new or old material. Prerequisite: Clothing Clinic and Textiles 103, Clothing 205, Costume Design 209. M. Tu. W. Th. F. 1:50-3:30. Miss Toms. Two semester hours.

321 Housing and House Planning

This course is planned for advanced students, to show the interrelation of social and aesthetic phases of housing. The adaptation of the house to the needs and interests of the young, adolescent, and adult members of a family is studied. An analysis is made of recent developments in rural single and multiple-housing projects. Prerequisite: Elementary Design 105 or consent of instructor. Open to both men and women. M. Tu. W. Th. F. 12:40-1:30. Miss Stamm. Two semester hours.

324 Home Management Practice

Students live together in family-size groups in a house where opportunity is provided for practice in the composite duties of homemaking. The house is managed on three economic levels of income, and students participate in social activities of a family group suited to each status of living. Prerequisite: Home Management 322. M. Tu. W. Th. F. 3:50-4:40. Additional hours of laboratory. Miss Stamm. Three semester hours.

339 Consumer Buying

A study of the consumer-education movement; sources of information for the consumer; laws affecting the consumer; the labeling, grading, and standardization of consumer goods; the theory of buying; and an analysis of factors involved in prices. Open to both men and women. M. Tu. W. Th. F. 9:30-10:20. Miss Toms. Two semester hours.

Special Workshop

A non-credit workshop for cooks and lunchroom managers will be conducted for three days, July 12-14. Miss Acree and others will plan the program.
INDUSTRIAL EDUCATION

HERBERT E. ELLINGER
DEYO B. FOX
JOSEPH W. GIACHINO
FRED S. HUFF

EMERSON O. MACARTHUR
ROBERT E. MILLER
CHARLES S. NICHOLS
DON O. PULLIN

ELMER C. WEAVER

104 Rural Wood Shop
A special course in woodwork and in related areas designed particularly for prospective rural school teachers. This course is limited to students enrolled in the rural education department. M. Tu. W. Th. F. 12:40-1:30. Mr. Nichols. Two semester hours.

122 Mechanical Drafting

140A Printing
A survey course in the field of graphic arts. Special attention will be given to hand composition. In addition the student will have an opportunity to survey the total area of graphic arts. M. Tu. W. Th. F. 9:30-10:20. Mr. Pullin. Two semester hours.

140B Printing
This course emphasizes proportion, balance, and the study of type faces. Practical work is given in the composition of more complicated printed matter which involves rule work, borders, and ornaments. Practical work is given in make-ready and presswork. M. Tu. W. Th. 1:50-3:30. Mr. Pullin. Three semester hours.

144 Occupational Therapy Printing
This course is intended to acquaint students with the various tools and equipment of the print shop, and to acquaint them with fundamentals of planning type composition. Limited to students enrolled in the occupational therapy department. Tu. W. Th. F. 1:50-3:30. Mr. Pullin. Three semester hours.

170 General Shop
A comprehensive course covering a variety of mediums used in the industrial-arts field with introductory laboratory experiences. This course is planned for students who will teach in a general shop organization. The theory and organization of the shop will also be included. Tu. W. Th. F. 10:40-12:20. Mr. MacArthur. Three semester hours.

205A Machine Woodwork
An introductory course on the use of machine woodworking equipment. The student will receive experiences in setting-up, operating, and caring for the more commonly used machines such as circular saw, jointer, shaper,
planer, etc. Parts for selected projects will be machined. M. Tu. W. Th. 7:30-9:10. Mr. Nichols. Three semester hours.

205B General Woodwork

This course provides experiences in several areas of woodwork; namely, wood turning, caning, upholstery, inlaying, and wood carving. The wood turning will include face plate and chuck turning. Tu. W. Th. F. 7:30-9:10. Mr. Nichols. Three semester hours.

221 Mechanical Drawing

Special attention is given to orthographic projection, detailing assemblies, and other fundamentals of drafting. This course is the equivalent of Drawing I of the School of Engineering, University of Michigan, and satisfies the requirements of engineering students. Tu. W. Th. F. 1:50-3:30. Mr. Huff. Three semester hours.

225A Architectural Drawing


234A Machine Shop

A course in the fundamentals of machine tool operation, involving turning, milling, shaping, and grinding practices in machining parts of selected projects to be assembled at the bench. M. Tu. W. Th. 7:30-9:10. Mr. Weaver. Three semester hours.

234B Machine Shop


261A Art Metal

An introductory course in the study of art metal. Methods of layout, cutting, forming, and assembly will be stressed. Practical application in the form of finished projects of an artistic nature will be emphasized. M. Tu. W. Th. F. 12:40-1:30. Mr. Weaver. Two semester hours.

264A Farm Shop

Experience in cement work, rope work, glazing, farm electrical work, machinery repair, and other activities limited to clock hours required for State certification as a farm shop teacher. M. Tu. W. Th. F. 12:40-1:30. Mr. MacArthur. Two semester hours.

264B Farm Shop

A continuation of 264A. To complete required hours in needed activities for State certification. M. Tu. W. Th. F. 12:40-1:30. Mr. MacArthur. Two semester hours.
265 Auto Mechanics

274A Welding
A course involving the safe use of oxy-acetylene and arc-welding equipment and acquisition of essential welding skills and technical knowledge. M. Tu. W. Th. F. 9:30-10:20. Mr. Miller. Two semester hours.

300 Aircraft Servicing
The primary objective of this course is to provide practical experience in routine maintenance work at an airport such as gassing, cleaning, inspecting, storing, tying down aircraft, and handling numerous other hangar details. Required for all aircraft mechanics students. M. Tu. W. Th. F. 7:30-4:40. Mr. Ellinger. Six semester hours.

Open to Seniors and Graduates

470 (E100) Principles of Vocational Education
A general course to aid teachers, supervisors, and administrators to see the field of vocational education (business, home economics, trade and industrial) in its entirety. Among the factors considered will be the philosophy, organization, and administration of vocational education, types of schools, kinds of shops, teachers, teaching situations, and students. This course offers a basis for understanding the place of vocational education in education as a whole. M. Tu. W. Th. F. 9:30-10:20. Dr. Fox. Two semester hours.

Open to Graduates

579 (E114) Curriculum Construction in Vocational Education
The study of bases for determining subject matter to be taught and its content and scope for varying grade levels. Devotes special attention to vocational subjects, their relation to other subjects, and their arrangement into curricular form. M. Tu. W. Th. F. 12:40-1:30. Dr. Giachino. Two semester hours.
Kanley Memorial Chapel ........................................ 26
Kleinsteck Wild-Life Preserve .................................. 28
Languages and Literature, Preparation of ....................... 93-97
Languages, description of ........................................ 96-97
Late enrollment fee ............................................. 53
Law ................................................................ 69
Librararianship, courses in ........................................ 5-9
Librararianship Curriculum ......................................... 66
Librararianship Laboratory .......................................... 37-38
Library Building ................................................... 25
Library Service ..................................................... 22
Limited Certificates, directions to holders of ................ 63-64
Linotype Curriculum ............................................... 75
Location of Institution ............................................ 25
Lunchroom Managers, Workshop for ............................. 32
McCracken Hall ..................................................... 26
Machine Shop Curriculum .......................................... 75
Machine Shop, description of courses .......................... 128
Machine Shop Managers, Workshop for ......................... 32
Maintenance Building ............................................. 28
Maintenance Officials .............................................. 11
Majors, and Minors, requirements and regulations .......... 58-60
Managerial Executives ............................................. 11
Map of Campus .................................................... 2
Marking System ................................................... 49
Master’s Degree, curricula for .................................... 84
Mathematics, description of courses ............................ 106-107
Maybee Music Hall ................................................. 26
Mechanical Trades Building ........................................ 26
Medical Technology ................................................ 70
Medicine ................................................................ 70
Men’s Dormitory .................................................... 26
Men’s Gymnasium ................................................... 27
Mentally Retarded Curriculum ..................................... 65
Michigan Veterans Vocational School ............................ 28-29
Music Curriculum .................................................. 66
Music, description of courses ...................................... 90-91
Nursing ................................................................... 70
Occupational Counseling Clinic ................................... 34
Occupational Therapy Curricula .................................... 70
Occupational Therapy, description of courses ............... 92
Orchestra, credit for ............................................... 50-51
Parent Education Workshop ........................................ 30-31
Paw Paw Large Village School .................................... 27
Permanent Certification, procedure for ......................... 62
Personnel and Guidance, division of ............................ 33
Photo, Identification ............................................... 46
Physical Education and Health ..................................... 98-100
Physical Education for Men, description of courses ....... 98-99
Physical Education for Women, description of courses .... 100
Physics, description of courses .................................... 107-108
Pine Lake Camp ..................................................... 28
Placement Bureau ................................................... 39
Political Science, description of courses ......................... 112-113
Portage Consolidated Consolidated School ..................... 27
Pre-professional, Non-teaching Professional, and Combined Curricula ................................. 67-71
Program of Special Events ......................................... 8-9
Psychology, description of courses ............................... 108-109
Purpose of institution .............................................. 24
Radio Curriculum .................................................... 75
Reading Clinic ....................................................... 30
Reading Laboratory ................................................ 38-39
Recreation ........................................................... 9
Refunds .................................................................. 54
Registration, routine ............................................... 46
Remunerative Recreation ............................................ 33
Renewal of certificates ............................................. 63-64
Residence requirements ............................................. 53
Retailing Education .................................................. 5-9
Rooms .................................................................... 34-35
Rural Life and Education Curriculum ......................... 67
Rural Life and Education, description of courses ........ 101-102
Rural Life, Division of ............................................. 101-102
Rural Two-Year Elementary Curriculum ...................... 66
Schedule of classes ................................................. 52
Scholarship Index .................................................... 49
Scholarship Lists ..................................................... 50
Science and Mathematics, Division of .......................... 103-109
Science Building .................................................... 25
Secondary School Curriculum ...................................... 65-66
Secretarial Science and Office ......................................
Management Curriculum ........................................... 73
Secretarial Training Curriculum .................................... 73-74
Semester Hour of Credit, definition of ........................ 52
Service to Foreign Students ........................................ 33
Services of the General Library .................................... 36-37
Sheet Metal Curriculum ............................................ 75
Social Science, Division of ........................................ 110-111
Social Work ........................................................... 114
Sociology, description of courses .................................. 113-114
Spanish, description of courses ..................................... 95
Special Education Curriculum ...................................... 66
Special Education Workshop ....................................... 31
Speech Correction Curriculum ..................................... 66
Speech, description of courses ...................................... 96-97
Spindletop Hall for Women ......................................... 26
Standing committees of the faculty ............................... 12-13
State Board of Education .......................................... 16
State Limited Certificate ............................................ 62
Store for Students .................................................. 35
Student advisory system ............................................ 33-36
Student Health and Personnel ......................................
Building .................................................................. 25
Student Personnel and Guidance ................................. 33
Student Teaching ..................................................... 39, 119
Student Life ........................................................... 33
Subject Groupings .................................................... 56
Subminimum load .................................................... 47
Summer Session Newspaper ........................................ 9
Supervision of student life .......................................... 33
Table of Contents .................................................... 5
Teacher Education, Division of ................................... 115-118
Teaching, Direct ed .................................................. 39, 119
Temporary Buildings ................................................. 28
Theatre ................................................................... 26
Todd Art Collection .................................................. 38
Tool and Die Making Curriculum ................................. 76
Trade Drafting Curriculum .......................................... 76
Training Schools ..................................................... 27
Transcripts ............................................................. 45-46
Transfer of credits .................................................... 42
Transit students ....................................................... 45
Tuition fees for Undergraduates .................................... 53-54
Undergraduate Curricula ............................................ 65
Undergraduate Division—Regulations ............................ 76
Union Building ....................................................... 26
Unit of Work, definition of ........................................ 52
Vandercrook Hall for Men .......................................... 26
Veterans Counseling Services ..................................... 33-34
Vocational and Practical Arts, Division of ...................... 121-127
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vocational and Practical Arts Education Curricula</td>
<td>71-76</td>
<td>Wild-Life Preserve</td>
</tr>
<tr>
<td>Vocational Business Coordinators Curriculum</td>
<td>66</td>
<td>Withdrawal from courses</td>
</tr>
<tr>
<td>Vocational Industrial Curriculum</td>
<td>66</td>
<td>Women's Dormitories</td>
</tr>
<tr>
<td>Waldo Stadium</td>
<td>28</td>
<td>Women's Gymnasium</td>
</tr>
<tr>
<td>Walwood Hall Residence</td>
<td>26</td>
<td>Work, opportunities for</td>
</tr>
<tr>
<td>Welding Curriculum</td>
<td>76</td>
<td>Workshops and Clinics</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Workshop for Lunchroom Managers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Workshop for Machine Shop Teachers</td>
</tr>
</tbody>
</table>