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BULLETIN

Graduate Division Announcement

for the

1953

Summer Session

and the

1953-54

School Year

WESTERN MICHIGAN COLLEGE
KALAMAZOO, MICHIGAN

BULLETIN

WESTERN MICHIGAN COLLEGE
OF EDUCATION
KALAMAZOO, MICHIGAN

GRADUATE DIVISION
ANNOUNCEMENT

for the

1953 SUMMER SESSION

AND THE

SCHOOL YEAR OF 1953 - 54

This College is a member of the American Association of Colleges for Teacher Education. 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. 48

Issued April, 1953

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GRADUATE DIVISION
WESTERN MICHIGAN COLLEGE
OF EDUCATION
Kalamazoo, Michigan
ANNOUNCEMENT, 1953 - 1954

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GENERAL STATEMENT

Graduate instruction has been given at Western Michigan College of Education since February, 1939, under a cooperative arrangement with the University of Michigan. The Board of Regents of the University of Michigan at their 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 three Michigan Teachers Colleges (as they were known at that time) and Michigan State Normal College in planning a program of graduate instruction. According to this action, a Graduate Division, organized and administered as an extra-mural unit of the Horace H. Rackham School of Graduate Studies, was set up at each of the four colleges.

On October 12, 1951, the State Board of Education approved the proposal of the Presidents of the Colleges of Education to set up independent graduate divisions in each of the four colleges to offer graduate curricula in all areas involved in the preparation of teachers, administrators and supervisors for the public schools of Michigan as soon as each college felt that it was desirable and possible to do so. The State Board authorized the Colleges of Education to grant the master's degree with specialization in Education to those completing such a program under the rules, regulations and procedures adopted by each institution and approved by the State Board of Education. Western Michigan College of Education in October, 1951, decided to inaugurate its own graduate program at the beginning of the fall semester of 1952 as permitted by this State Board action.

The major purposes of the graduate program at Western Michigan College of Education are:

1. to increase the effectiveness of elementary and secondary school teachers in present and future positions.
2. to prepare teachers for supervisory, administrative, and guidance positions.
3. to prepare curriculum coordinators, school librarians, and teachers of special education.
4. to improve abilities of school people in human relations with pupils, teachers, supervisors, administrators, and the general public.
5. to develop ability of school people to evaluate and use results of research in practical situations.

Administration

The Graduate Division is administered by a Director and a Graduate Council of nine members, each appointed for a term of three years with the Director acting as Chairman and the President of the College as a member ex-officio.

Admission to Enroll

Admission to enroll in graduate courses will be granted to those students who present evidence that they have received the bachelor's degree from an accredited college whose requirements for the degree

are on as high a scholastic level as those maintained by Western Michigan College of Education.

A graduate from a non-accredited college may be admitted to take up to six hours of graduate work with a review of his status after he has taken these six hours. Any student from Western Michigan College of Education who is within six hours of receiving his bachelor's degree may be admitted to enroll in up to six hours of graduate credit during the last semester before receiving his degree.

Admission to Candidacy for the Master's Degree

A student may apply for admission to candidacy for the degree only after the completion of at least ten semester hours of graduate work with an average grade of B.

At the time he applies for candidacy he must present references testifying to his success in teaching or promise of success.

A candidate must present at least fifteen hours of undergraduate credit in education courses or the equivalent.

A candidate must show evidence of personal qualities essential to the teaching profession and an ability to use the English language effectively before being admitted.

At the time of his application for candidacy, a candidate must submit a program of study approved by his curriculum adviser.

Students who have been admitted to the Horace H. Rackham School of Graduate Studies under the cooperative plan before the fall semester of 1952 shall be automatically admitted to candidacy for the master's degree.

Transfer Credit

After the student has been admitted to candidacy for the degree, a total of six hours of satisfactory work taken at other approved institutions, for which such institutions grant graduate credit, may be transferred to a master's degree program in the Graduate Division of Western Michigan College of Education, provided such courses are approved by the Curriculum Adviser as a part of the student's program of studies. The student must ask that a transcript of such credits be sent by the institution to the Director of the Graduate Division and then request that the Graduate Division apply the credit to the degree.

Extension Credit

A total of twelve hours of satisfactory graduate work taken through the Extension Division of Western Michigan College of Education may be counted toward the requirements for a degree provided such courses are approved by the student's Curriculum Adviser as a part of the student's program of studies.

Requirements for the Degree

The Graduate Division will require a minimum of thirty hours of graduate work with an average grade of B for a master's degree

with a thesis being optional and not to count for more than six hours in the thirty-hour program. The degree granted will be designed as the "Master of Arts."

All students will be required to complete one of the outlined curricula which have been set up as leading to the degree. The details of these curricula have been set up in terms of the vocational objectives of those preparing for types of educational service such as: Elementary Teaching; Elementary Administration and Supervision; Teaching in the Fields of Art, Business Education, Distributive Education, Home Economics, Industrial Education, Literature and Language, Music, Occupational Therapy, Physical Education, Science and Mathematics, Social Science, and Speech Education; Guidance; Special Education; School Librarianship; Curriculum Development and Coordination; Secondary Administration and Supervision; and General Administration and Supervision.

At least fifteen hours must be earned in courses restricted to graduate students.

A minimum of eighteen hours must be taken in on-campus resident credit from the Graduate Division, leaving twelve hours that may be taken through (1) off-campus courses offered by the Western Michigan Extension Division or (2) up to six hours of advanced credit transferred from another approved institution.

All credits earned by the student before September, 1952, under the cooperative arrangements with the University of Michigan will be transferred automatically to Western Michigan College of Education, but the student must assume the responsibility of submitting transcripts of such work not taken through the Graduate Division of Western Michigan College of Education. Students who have started a program of work under the cooperative plan before September, 1952, may, if they desire, complete the required thirty hours for the degree by taking courses recommended under the University sequences.

No student will be granted the degree unless he has been enrolled for at least two semester hours of credit in the Graduate Division of Western Michigan College of Education after September, 1952.

Diploma Application

Before the degree is awarded, the student must fill out the diploma application blank in the Graduate Office. This should be done early in the semester in which the student is reasonably certain of completing all requirements of the degree.

Registration

Registration for the summer session of the Graduate Division will be on Saturday, June 20, from 8 to 12 A.M., and from 1 to 4 P.M., and Monday, June 22, from 8 to 12 A.M., and from 1 to 4 P.M.

Registration for the first semester of the Graduate Division will be on Saturday, September 19, from 8 to 12 A.M., and from 1 to 4 P.M. Registration for the second semester will be on Saturday, February 6,

at the same hours. Registration will take place in the Graduate Division Offices in the Administration Building, under the direction of the Registrar.

Classes for the summer session will begin on Tuesday, June 23, and will continue through Friday, July 31.

Saturday classes for the first semester will begin on Saturday, September 26, and will continue through Saturday, January 30. Saturday classes for the second semester will begin on Saturday, February 13, and continue through Saturday, June 5. Weekday evening classes in both semesters will meet during the week preceding the Saturday classes. Most classes during the school year meet two class hours each Saturday throughout the semester. The student should consult the *Schedule of Classes* for instructors, hours, and places of meeting. Prerequisites for a course should be carefully determined by the student before enrolling in a course. Generally speaking, prerequisites for courses are, in addition to graduation from a four-year curriculum in an accepted college or university, one year of college work in the field of the subject elected. In some cases, courses may require specific prerequisites or an amount of prerequisite credit in excess of the general requirement.

All enrollments should be completed by the end of the first complete week of a semester. Any necessary changes in enrollment must have been made by the end of the second complete week of a semester. These changes must be made with the instructor's approval. Permission to drop courses may be given up to the end of the sixth week of the semester or the third week of the summer session. Permission to drop a course or to change enrollment must be secured from the Director of the Graduate Division.

Living Expenses

All questions regarding room, board, and other living expenses should be addressed to the Dean of Men or Dean of Women, Western Michigan College of Education, Kalamazoo, Michigan.

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.

Tuition and Fees

Graduate students will be charged fees as follows:

Semesters I and II:

Sem. Hrs.	Tuition Fees		Local Fees*	Total	
	Resident	Non-Res.		Resident	Non-Res.
9 or more	\$30.00	\$60.00	\$45.00	\$75.00	\$105.00
7 and 8	20.00	40.00	40.00	60.00	80.00
5 and 6	15.00	30.00	35.00	50.00	65.00
3 and 4	10.00	20.00	30.00	40.00	50.00
1 and 2	5.00	10.00	25.00	30.00	35.00

Summer Session:

Sem. Hrs.	Tuition Fees		Local Fees*	Total	
	Resident	Non-Res.		Resident	Non-Res.
1 - 3	\$ 7.50	\$15.00	\$20.00	\$27.50	\$35.00
4 - 6	15.00	30.00	25.00	40.00	55.00

*These local fees are collected each semester for the general maintenance of the Graduate Division Office and the graduate student's share of the support of such activities as athletics, health service, student union, library, departmental laboratories, graduation, etc.

Double Registration

The regulation covering any student taking both graduate and undergraduate work will be:

A student taking *more* graduate hours than undergraduate hours will pay the fees during graduate enrollment for the total number of hours taken in both graduate and undergraduate work. In this instance, the undergraduate enrollment card will be stamped "double enrollment."

A student taking *more* undergraduate hours than graduate hours will pay the fees during undergraduate enrollment for the total number of hours taken in both undergraduate and graduate work. The graduate card will be stamped "double enrollment."

In case the student is taking an equal number of hours in both graduate and undergraduate work, he will pay which ever fee is higher for the total number of hours taken.

Refunds

1. Refunds are not automatic upon withdrawal from graduate classes but must be applied for at the Graduate Office within the prescribed time limits.

2. A 90% refund will be granted to a student who withdraws not more than two weeks after the beginning of the semester during the school year or one week after the beginning of the summer session.

3. A 50% refund will be granted to a student who withdraws more than two weeks and not later than four weeks after the beginning of the semester during the school year. No refunds will be granted after the first week of the summer session.

4. A 40% refund will be granted to a student who withdraws more than four weeks and not later than eight weeks after the beginning of the semester during the school year.

5. No refunds will be made for withdrawals after the eighth week of a semester.

Marking System

Each course receives one grade which combines the results of class work, term papers, tests and examinations. Grades are indicated by letters to which plus or minus may be added at the instructor's discretion.

A	Excellent
B	Good
C	Fair
D	Failure
I	Incomplete
Dr.	Dropped
W	Withdrawn

GRADUATE CALENDAR OF EVENTS

June, 1953 — June, 1954

Summer Session, 1953

June 20, Saturday, and June 22, Monday	Registration
June 23, Tuesday	First day of classes
June 25, Thursday	Faculty reception for students
June 27, Saturday	Last day for change of enrollment
July 2, Thursday	Workshop breakfast
July 3, Friday	Diploma applications due
July 11, Saturday	Last day for dropping courses and theses due for summer graduates
July 22, Wednesday	Graduate luncheon
July 30, Thursday	Commencement exercises
July 31, Friday	Session closes

First Semester, 1953-54

September 19, Saturday	Registration
September 26, Saturday	First meeting of Saturday classes and last day for enrollment
October 3, Saturday	Last day for change of enrollment
October 3, 10, 17, 24, 31	Saturday classes meet
October 26, Monday	Diploma applications due
October 31, Saturday	Last day for dropping courses
November 7, 14, 21	Saturday classes meet
November 28, Saturday	Thanksgiving recess
December 5, 12	Saturday classes meet
December 19, 26, and January 2	Christmas vacation
January 4, Monday	Theses due for fall graduates
December 5, 12	Saturday classes meet
January 24, Sunday	Mid-year commencement exercises
January 30, Saturday	Final examinations

Second Semester, 1954

February 6, Saturday	Registration
February 13, Saturday	First meeting of Saturday classes and last day for enrollment
February 20, Saturday	Last day for change of enrollment
February 20, 27	Saturday classes meet
March 6, 13, 20, 27	Saturday classes meet
March 8, Monday	Diploma applications due
March 20, Saturday	Last day for dropping courses
April 3, 10	Saturday classes meet
April 17, 24	Easter holiday
May 1, 8, 15, 22, 29	Saturday classes meet
May 10, Monday	Theses due for spring graduates
June 5, Saturday	Final examinations
June 11, Friday	Vesper services
June 12, Saturday	Commencement exercises

All evening graduate classes will meet during the week immediately preceding the meeting of Saturday classes and omit during the week immediately preceding the dates Saturday classes omit.

Library Hours

During the academic year the General Library is open for service from 7:30 A.M. to 10:00 P.M., Mondays through Thursdays; 7:30 A.M. to 9:00 P.M., Fridays; 8:00 A.M. to 5:00 P.M., Saturdays; and 2:30 P.M. to 5:30 P.M., Sundays.

The Music Library is open through the academic year from 8:00 A.M. to 4:00 P.M., Monday through Friday and 7:00 to 9:00 P.M., Monday through Thursday, and 9:00 A.M. to 12:00 noon on Saturday.

The Library Annex is open from 8:00 A.M. to 9:00 P.M., Monday through Friday and from 8:00 A.M. to 12:00 noon Saturday.

The summer hours are: General Library

7:00 A.M. to 10:00 P.M. Monday through Thursday

7:00 A.M. to 9:00 P.M. Friday

8:00 A.M. to 5:00 P.M. Saturday

Music Library:

8:00 A.M. to 4:00 P.M. Monday through Friday

Library Annex:

8:00 A.M. to 5:00 P.M. Monday through Friday

Placement Service Open to Graduate Students

Many desirable teaching, supervisory, and administrative positions are open each year to candidates in the teaching profession who have had successful experience and advanced scholastic training. The salaries being offered such candidates are excellent.

Graduate students who desire to be eligible for consideration when these positions are available should be properly registered for placement. Any graduate student formerly registered with the Office of Placement and Alumni Relations may keep his permanent placement file active by having current recommendations from employers and professors added to it from time to time. Enrollment in the Graduate Division entitles any student to free placement service whether or not his undergraduate work was taken at Western Michigan College.

Complete information and registration materials may be secured in the Office of Placement and Alumni Relations, Room 231, Administration Building. A cordial invitation is extended to all who are interested.

DESCRIPTION OF COURSES

The following courses and instructors have been approved for the year 1953-54. Two types of courses are offered: (1) Courses open to graduate students only, numbered from 500 to 699, (2) courses open to graduates and upperclassmen, numbered from 400 to 499. For hours, days of week, and place of meeting, the student should consult the Schedule of Classes for each semester.

AGRICULTURE

FOR GRADUATES AND UPPERCLASSMEN

410 Agriculture in Michigan

This course includes a survey of Michigan agricultural production, the areas, volume and types of production and the marketing systems in operation. The place of Michigan agriculture in national and international production is included. There will also be a survey of the different types of education in Agriculture at the various grade levels in Michigan.

Summer session and second semester. Mr. Corbus. Two semester hours.

ART

FOR GRADUATES AND UPPERCLASSMEN

410 Painting

Painting of still life and landscape, in the studio and outdoors. Water colors are used. The course involves the study of composition, color value, and technique. Prerequisite: Art Structure 106, Elementary Design 105, Art Composition 208, or consent of instructor.

First semester. Miss Paden. Two semester hours.

414 Advanced Commercial Art

Continuation of Commercial Art 214 with emphasis on typographic layout, booklet design, letterheads, mailing pieces, packaging and display design and construction. This course will acquaint students with technical methods essential to commercial art, such as photo prints and their uses, pasteups, photostats, and methods of color separation for working drawings.

Summer session and second semester. Mr. Kemper. Three semester hours.

441 Art Supervision

A study of the curriculum and its needs in art activities. A course of study will be outlined and administration problems discussed. Prerequisite: Art Structure 106, Elementary Design 105, Art Composition 208, History of Art 213A, B, Commercial Art 214.

Second semester. Miss Smutz. Three semester hours.

BIOLOGY

FOR GRADUATES AND UPPERCLASSMEN

400E Recent Advances in Biological Science

A unit of a three-course group (with Teaching of Science and Recent Advances in Physical Science) particularly to aid high school teachers in keeping abreast of developments in the biological field.

Summer session. Mr. Reynolds. Two semester hours.

414 Materials for School Health Education

A practical course of lectures and demonstrations in which emphasis is placed on the effective health supervision of school children, the principles and practices of health teaching in the various grades, and the interrelation of this teaching to that of the other subjects in the curriculum.

Summer session. Mr. Joyce. First semester. Mr. Hinds. Two semester hours.

441 Advanced Ornithology

Introductory bird study is reviewed. Special attention is given to details of song, habitat, habits, and identification of shore and marsh birds in their native haunts. Skins of birds both resident and migrant in Michigan are provided for identification in the laboratory. Early morning field trips will be a part of the scheduled class work. Prerequisite: 8 hours of college laboratory courses in biology and permission of instructor.

Second semester. Mr. Hinds. Three semester hours.

BUSINESS STUDIES

OPEN TO GRADUATES

501 Principles of Business Education

Principles and philosophies of business education and their implications for the classroom teacher of business subjects. A study of objectives, guidance, occupational research, extra-curricular activities, and the growth and status of business education in the United States.

Summer session. Dr. Nanassy. First semester. Dr. Schneider. Two semester hours.

502 Curriculum in Business Education

Principles, practices, and problems involved in the evaluation and construction of business curricula to meet the needs of a democratic society.

Second semester. Dr. Schneider. Two semester hours.

503 Improvement of Instruction in Shorthand and Secretarial Business Subjects

A study of the latest research findings, materials, teaching procedures, tests, and measurements, and possible future development in

shorthand.

Not offered 1953-54. Two semester hours.

504 Improvement of Instruction in Typewriting

A study of the latest research findings, materials, teaching procedures, tests and measurements, and possible future developments in typewriting.

Not offered 1953-54. Two semester hours.

505 Improvement of Instruction in Bookkeeping and General Business Subjects

A study of the latest research findings, materials, teaching procedures, tests and measurements, and possible future developments in the business subject-matter of this field.

First semester. Dr. Schneider. Mr. Lindquist. Mr. Cooper. Two semester hours.

506 Organization and Teaching of Office Practice

A consideration of aims and content of office-practice courses in the secondary school, with plans and techniques for organizing and teaching the subject-matter of the course and its laboratory material.

Not offered 1953-54. Two semester hours.

511 Seminar in Business Education

An individually guided program for teachers in service. Students select a problem, present plans, and report on their progress. Prerequisite: Student should have at least one half of his graduate work completed.

Each semester. Dr. Schneider. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

411 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 310A or consent of instructor.

Second semester. Mr. Wetnight, Mr. Burdick. Three semester hours.

412 Income Tax Accounting

A study of the federal income tax laws, social security, and payroll tax retabulations as they apply to old-age benefits, state unemployment insurance, pay-roll records, and government reports. Prerequisite: Accounting 310A, or consent of instructor.

Summer session and first semester. Mr. Wetnight, Mr. Kirby. Three semester hours.

423 Life Insurance

This course will deal with the place of life insurance in the overall financial picture of economic life of the nation. It will deal with life insurance, not only from its consumer aspects, but also as a vocational field. The various phases of life insurance will be studied.

Second semester. Mr. Burdick, Mr. Sokolowski. Two semester hours.

433 Business Report Writing

A study of the techniques in and applications of management reports and management-report writing. Actual management reports in the various fields will be studied. The development and practice of technical report writing will be stressed.

Each semester. Dr. Schneider. Two semester hours.

436 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, in-service training and upgrading of employees. Prerequisite or concurrent: Psychology of Personality 207.

Each semester. Dr. Healey. Three semester hours.

439 Office Management

Areas of office services from the managerial viewpoint. A brief overview of the problems of organizing, constructing, installing, and maintaining office systems.

Summer session and second semester. Mrs. Patton, Mr. Thompson. Three semester hours.

440 Advanced Salesmanship

A detailed course with background of basic principles and analysis of selling techniques applied principally to specialty fields.

Summer session and first semester. Mr. Trader. Three semester hours.

442 Advanced Advertising

A course with special concentration on media, copy and layout. Study and projects on radio, television, newspapers and magazines.

Summer session. Mr. Trader. Three semester hours.

CHEMISTRY

FOR GRADUATES AND UPPERCLASSMEN

403A Physical Chemistry

The course includes studies in kinetic theories of gases, liquids, solids, solutions, thermodynamics, physical basis for molecular structure, thermo-chemistry, homogeneous equilibria, heterogeneous equilibria, etc. Prerequisite: Quantitative Analysis 202, Physics 203A, B;

College Algebra and Analytic Geometry 104A, B or equivalent; and Calculus 205A, B.

First semester. Mr. Boynton, Dr. Knowlton. Three or five semester hours. (Five hours includes laboratory)

403B Physical Chemistry

A continuation of course 403A. The course includes radioactivity, quantum theory, atomic structure, conductance of solutions, polepotentials, oxidation potentials, polarization, chemical thermodynamics, colloids, etc. Prerequisite: Physical Chemistry 403A.

Second semester. Mr. Boynton, Dr. Knowlton. Three or five semester hours. (Five hours includes laboratory)

408 History of Chemical Theory

This course is taught from the point of view of the history of chemical theory in which the evidence for the theories is critically presented. Prerequisite: two years of college chemistry.

Second semester. Dr. Osborn. Two semester hours.

496A Organic Preparations

Methods for preparing the aliphatic compounds with an effort to produce the maximum yield at the minimum of expense. Theoretical interpretations of facts are sought. Classroom, one hour a week; laboratory, ten hours a week. Consult instructor before enrolling.

First semester. Mr. Eldridge. Two semester hours.

496B Organic Preparations

Methods of preparing the aromatic organic compounds. Classroom, one hour a week; laboratory, ten hours a week. Consult instructor before enrolling.

Second semester. Mr. Eldridge, Dr. Osborn. Two semester hours.

DISTRIBUTIVE EDUCATION

OPEN TO GRADUATES

500A Problems in Distributive Education

Designed to provide an opportunity to study and organize problems in the field of distributive education. It will be possible for each member to select a problem in this field. Open to advanced students, experienced teachers and personnel in the distributive field, or by special permission of instructor. May be taken on an individual basis.

Summer session and first semester. Mr. Trimpe and Mr. Fidler. Two semester hours.

500B Problems in Distributive Education

This course provides individuals with an opportunity for further study or the selection of another problem in the field of distributive education.

Summer session and second semester. Mr. Trimpe and Mr. Fidler.
Two semester hours.

510 Job Supervisory Training

This course provides for mastery of the techniques and skills used in supervision of employees. It deals with conference leading, how to train, how to develop the skills of leadership and the corrective interview. This training is useful for vocational teachers and those preparing for supervisory positions.

Second semester. Mr. Trimpe. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

400A Store Laboratory Experience

This course provides further opportunity for those in distributive education to acquire recent coordinated work experience on a full-time basis. It requires the cooperation of an employer who will agree to give the student paid employment. Provision will be made for securing experience in different departments. Conferences will be held and the student will be required to make written reports and submit a term report based on his store experience. This course may be taken on or off campus on an individual basis.

Summer session and first semester. Mr. Trimpe and Mr. Fidler.
Two semester hours.

400B Store Laboratory Experience

A continuation of 400A.

Summer session and second semester. Mr. Trimpe and Mr. Fidler.
Two semester hours.

410 Organization and Operation of Distributive Education

Deals with the organization and operation of distributive education in relation to the total educational program. It is concerned with preparatory, cooperative and adult programs. Consideration is given to advisory committees and local, state, and federal relationships.

Summer session and first semester. Mr. Trimpe and Mr. Fidler.
Two semester hours.

420 Teaching Techniques in Distributive Education

This course deals with the methods and techniques of teaching distributive education subjects in high school and post high school programs. Special emphasis will be given to the correlation of classroom activities and on-the-job experiences.

First semester. Mr. Trimpe. Two semester hours.

425 Instructional Materials in Distributive Education

A study of the sources and use of such instructional materials as visual aids, field trips, trade publications, pamphlets, books, speakers, display materials, dummy merchandise, demonstrations and exhibits.

Summer session and second semester. Mr. Trimpe and Mr. Fidler.
Two semester hours.

430 Coordination Techniques in Distributive Education

This is a study of the duties and responsibilities of the coordinator. The organization and establishment of training programs, supervision of trainees on the job, development of individual training programs, establishing working relationships between the school, business, and home; and participation in extra-curricular activities in the community. Especially adapted to prospective coordinators.

Summer session and second semester. Mr. Fidler. Two semester hours.

435 Job Analysis and Training Programs

This deals with the principles and techniques of job analysis in the business field. Extensive job studies will be made and training schedules prepared for representative jobs in business. A very helpful course for students preparing to coordinate cooperative programs.

First semester. Mr. Trimpe. Two semester hours.

ECONOMICS

OPEN TO GRADUATES

525 Public School Finance

This course considers problems of school expenditures, sources of revenue, principles of budget making, techniques of borrowing, bonding to finance building programs, tax allocations, and similar financial problems facing school administrators. These factors of school cost and expenditures are coordinated with the overall subject of public revenues and expenditures.

Second semester. Mr. Bigelow. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

420 Public Finance

A study of government expenditure, revenues, debts, and problems of fiscal administration. Prerequisite: Principles of Economics 220A, B. Work in government may be substituted in special cases by permission of the instructor.

First semester. Mr. Bigelow. Three semester hours.

421A Labor Problems

An analysis of the nature and underlying causes of the problems facing the worker in modern economic society. Prerequisite: Principles of Economics 220A, B.

First semester. Dr. Bowers. Two semester hours on campus. Three semester hours in extension.

421B Labor Problems

A study of the methods by which workers, employers, and the public have been and now are attempting to solve labor problems. Present programs are evaluated in the light of underlying economic principles in order to develop sound thinking about these problems. Prerequisite:

Labor Problems 421A.

Second semester. Dr. Bowers. Two semester hours on campus. Three semester hours in extension.

422 Corporations

A study of the nature of the modern business corporation, and its place in modern business life. Consideration is given to problems of organization, direction, finance, and control. Prerequisite: Principles of Economics 220A, B.

Second semester. Mr. Bigelow. Three semester hours.

423 Collective Bargaining

An analysis of the major problems in present-day collective bargaining including the negotiation of collective agreements, the practical aspects and the economic implications. Prerequisite: Labor Problems 421A, B, or the consent of the instructor.

First semester. Dr. Bowers. Three semester hours.

424 International Economics

A general course in international relations with special emphasis on the fundamentals of international trade theory and the impact of national economic policies on international relations. Prerequisite: Principles of Economics 220A and B.

Summer session and second semester. Dr. Carlson. Two semester hours.

425 Consumption and Standards of Living

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.

Summer session and first semester. Mr. Bigelow. Two semester hours.

426 Business and Government

A study of the regulatory policies of government and their impact on private enterprise. The course seeks to explain the need for regulation, and to provide an analysis and evaluation of the various laws from the viewpoint of encouragement, subsidization, and control. Special attention will be directed to certain aspects of concentration of economic power, public ownership, and nationalization programs. Prerequisite: Principles of Economics 220A, B. Work in Political Science may be substituted in special cases by permission of the instructor.

Summer session and first semester. Dr. Carlson. Three semester hours.

427 History of Economic Thought

The course aims to give the student the historical background for

modern economic thinking. Beginning with the leaders of ancient economic thought, the main currents of such thinking are brought down through feudalism, mercantilism, the physiocrats, Adam Smith's influence, the English classical school, socialistic tendencies, and the controversial theories of the present experimental era. Prerequisite: not fewer than 12 semester hours in Economics.

Not offered 1953-54. Two semester hours.

428 Comparative Economic Systems

The economic institutions, and conditions of capitalism, socialism, communism, fascism, and the cooperative movement are critically examined as to ideology and actual operation. Prerequisite: Principles of Economics 220A, B.

Second semester. Dr. Bowers. Two semester hours.

429 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.

Second semester. Dr. Moore. Three semester hours.

EDUCATION

OPEN TO GRADUATES

501 Educational Research

Acquaints students with the nature and methods of research, with special emphasis upon the practical application of research findings to the solution of education problems.

Summer session and each semester. Dr. Mallinson, Dr. Frederick. Two semester hours.

502 The School Curriculum

A study of educational programs for children and youth, emphasizing principles and problems of curriculum development common to all levels of instruction.

Summer session and each semester. Dr. Frederick, Dr. Griggs. Two semester hours.

503 Foundations of American Education

A study of American education as affected by the great traditions and movements of Western culture. Consideration is given to historical, socio-economic and philosophical factors in the interpretation of modern educational issues and the solution of present-day educational problems.

Summer session and each semester. Dr. Chiara, Dr. Sebaly. Two semester hours.

504 Educational Psychology

A study of the forces which motivate behavior and affect the learning process, with particular reference to problems of growth and adjustment, to the development of meanings and insights, and to individual differences. Provisions are made to meet the needs of students with varying backgrounds in psychology.

Summer session and each semester. Dr. Ellis, Dr. Govatos. Two semester hours.

512 Guiding Child Development in the Elementary School

This course is designed to help nursery school, kindergarten and elementary school teachers gain an understanding of the manner in which skills, information, attitudes and behavior patterns are acquired and modified. The contributions made by each curricular area, such as language arts, science, arithmetic, social studies and health, are stressed, with emphasis on suitability of experiences for different stages of growth, instructional practices, and appropriate procedures of evaluation.

Summer session and second semester. Dr. Swickard. Two semester hours.

513 Elementary School Supervision

Emphasis is placed on practical problems of educational leadership and supervision in the elementary school. The roles of supervisors, principals, superintendents and teachers are studied.

First semester. Dr. Hilliard. Two semester hours.

514 Elementary School Administration

Deals with general and specific problems confronting the elementary school principal, such as: organization of the school program, parent and community relationships, personnel problems, discipline, evaluation, and the like. Open to students of maturity and experience who wish to fit themselves for administrative and supervisory positions.

Summer session. Dr. Norrix. Second semester. Dr. Buelke. Two semester hours.

520 Improvement of Teaching in Secondary Schools

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.

Summer session. Dr. Chiara. First semester. Dr. Bryan. Two semester hours.

521 The Secondary School Curriculum

Course is concerned with modern practices and recent emphases and trends in various subject fields and areas of the secondary school curriculum. Each graduate student will prepare a report on one or two subject fields or aspects of the curriculum for use in actual teaching situations. Prerequisite: 502 The School Curriculum, or equivalent.

Second semester. Dr. Frederick. Two semester hours.

522 Core Programs in Secondary Schools

An analysis, interpretation and comparison of newer practices regarding integration of knowledge from several fields around the needs of secondary youth. Designed especially for students now engaged in or preparing for unified programs in junior and senior high schools.

Summer session and second semester. Dr. Chiara. Two semester hours.

523 The Role of the Secondary School in American Society

Consideration of the past and present responsibilities of the high school as part of the American social scene. Preparation for vocation, citizenship, marriage and family life, and other problems of high school youth are discussed in relationship to major social trends and forces.

Not offered 1953-54. Two semester hours.

524 Administration of Secondary Schools

Designed for superintendents, principals, and experienced teachers interested in administrative matters. Makes detailed study of the general problems of organization, supervision, and management of the high school.

Summer session and second semester. Dr. Bryan. Two semester hours.

525 High School Supervision

Deals with principles and methods of supervision in secondary schools and with planning, organizing, and evaluating the supervisory program. Emphasis is placed on supervision as skill in educational leadership, human relations, group process, and personnel administration.

Summer session. Mr. Thomas. First semester. Dr. Frederick. Two semester hours.

530 Improvement of Reading in Secondary Schools

This course is designed to aid teachers in developing the reading abilities and skills of their students at the secondary level. The emphasis is upon aims, materials, and procedures. There will be frequent demonstrations of techniques to be employed in dealing with students having difficulties in reading. Opportunity is provided for laboratory practice.

Second semester. Mr. Carter. Two semester hours.

531 Clinical Study of Exceptional Children

This course is intended to illustrate methods of diagnosing and treating the problems of exceptional children.

Not offered 1953-54. Two semester hours.

532 Problems in Education of the Mentally Handicapped

Problems in education and training of mentally handicapped children, including educability; philosophy of education of the mentally handicapped; organization of programs; educational and custodial

functions of institutions; vocational guidance and training.

Not offered 1953-54. Two semester hours.

533 Hearing Rehabilitation

This course considers lip reading, hearing aids, auditory training and speech re-education as rehabilitative measures. Laboratory teaching of hard-of-hearing children and adults.

Summer session. Mr. Thea. Two semester hours.

534 Advanced Audiometry

This course deals with the physics of sound, with the ear as a sound receiver, and with clinical methods of measuring hearing. The interpretation of test results for the purposes of re-education and the necessary follow-up measures in an educational hearing program are studied. Students will be given actual practice in group and individual audiometric testing.

Not offered 1953-54. Two semester hours.

560 Principles of Educational Administration

Deals with the philosophy and principles underlying school administration, including areas of governmental control, school plant, finance, personnel, and the internal organization of school systems. Presupposes a rudimentary knowledge of administration and some practical field experience.

Summer session. Mr. Heathcote. First semester. Dr. Norrix. Two semester hours.

561 Social Interpretation

Deals with community education with respect to the educational program. Considers the principles of educational interpretative service and their application in every phase of the system, considering specifically the constructive method of continuous community education.

Second semester. Dr. Hilliard, Dr. Norrix. Two semester hours.

566 Workshop in Educational Administration

Open to experienced administrators and others interested in working through administrative problems in school systems. Areas to be studied include: school buildings, finance, public relations, internal administrative problems, personnel policies, and educational leadership.

Summer session.* Dr. Pylman, Miss Siedschlag. Two to four semester hours.

570 Directed Teaching

Open to graduate students who have completed the major portion of professional courses required for certification.

Summer session and each semester. Dr. Griggs and supervisors. Two to eight semester hours.

*Offered July 6-17, 1953, for two semester hours as a special workshop in school building programs.

581 Interpretation and Use of Tests in Guidance

Designed to familiarize students with various psychological tests and scales that may be used in school guidance programs. Tests are taken and scored by students, and the results are interpreted and evaluated. Class discussion is based upon information gained through use of tests, readings, demonstrations, and class reports.

Summer session. Dr. Peters. First semester. Dr. Manske. Two semester hours.

583 Organization and Administration of Guidance Programs

Administrative and supervisory problems of guidance directors. Need for local and state administration, function of administration and supervision, improvement of group guidance programs in home-room and classroom, extra-curricular activities, human relationships, status and scope of the program in school and community, administration of supplies and equipment.

Second semester. Dr. Manske. Two semester hours.

600 Thesis in Education

Candidates for the Master of Arts degree may elect to write a thesis in a specialized field of education, under the supervision of one or more faculty advisers.

Summer session and each semester. Members of the staff. Six semester hours.

601 Special Individual Studies

Opportunity is provided for advanced graduate students to pursue individual studies or carry out individual projects in education under the guidance of one or more faculty members. A substantial paper or report of the project is required of all students.

Summer session and each semester. Members of the staff. Two or three semester hours.

610 Seminar in Elementary Education

Open to advanced students who are preparing theses or who wish to undertake problem studies in this field.

Each semester. Dr. Buelke and staff. Two semester hours.

620 Seminar in Secondary Education

Open to advanced students who are preparing theses or who wish to undertake problem studies in this field.

Each semester. Dr. Frederick and staff. Two semester hours.

630 Seminar in Special Education

Open to advanced students who are preparing theses or who wish to undertake problem studies in this field.

Not offered 1953-54. Two semester hours.

660 Seminar in Educational Administration

Open to advanced students who are preparing theses or who wish

to undertake problem studies in this field.

Not offered 1953-54. Two semester hours.

680 Seminar in Guidance

A critical review of the research literature relating to guidance and allied fields. Emphasis will be placed upon the practical application of these findings in the respective schools of the participants.

Not offered 1953-54. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

402 Curriculum Workshop

Opportunity is provided for teachers, supervisors and administrators in selected school systems to develop programs of curriculum improvement. A wide variety of resources is used for instructional purposes, including several specialists, library and laboratory facilities, field trips, audio-visual materials, and the like.

Each semester. Dr. Chiara, Dr. Swickard and staff. Two semester hours each session. Maximum credit: four semester hours.

410 Parent Education

Places major emphasis on home problems which have educational implications for the child. Parent-teacher relationships, council programs, and cooperative efforts for improvement of education in home and school are studied.

Summer session. Dr. Govatos. First semester. Dr. Griggs, Dr. Swickard. Two semester hours.

411A The Elementary Curriculum

A consideration of content and procedures to adapt experiences of pupils in elementary schools to modern conditions and to child needs and interests. Individual or committee reports concerning the improvement of various aspects of the elementary school curriculum will be prepared.

Second semester. Dr. Frederick, Miss Schroeder. Two or three semester hours.

411B The Elementary Curriculum

A continuation of 411A. Emphasis will be placed on developing and organizing resource materials for actual use in school systems represented by those taking the course.

Summer session. Dr. Griggs. Two or three semester hours.

430 Educational Therapy in Reading

A study is made of the psychological, sociological and physiological factors affecting children's reading ability, together with laboratory application of such knowledge in the prevention, diagnosis and treatment of reading problems. Open only to experienced teachers by permission of the instructor.

Summer session and first semester. Mr. Carter, Miss McGinnis. Two or three semester hours.

431 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.

Summer session. Mr. Thea. Two semester hours.

432 Education and Control of Mentally Handicapped

The course deals with the roles of the courts, institutions, schools, and other agencies in the control, education, and custody of the mentally handicapped. Organization and administration of special classes for mentally handicapped at all levels.

Not offered 1952-53. Three semester hours.

434 Mental Deficiency

A course in the psychology and pathology of mental deficiency including causation, diagnosis, classification, prognosis, and therapy at all levels.

Second semester. Dr. Ellis. Three semester hours.

436 Mental Hygiene of Childhood and Adolescence

Deals with the problems of emotional adjustment and maladjustment in childhood and adolescence.

Summer session and first semester. Dr. Ellis. Two semester hours.

437 Methods of Teaching Mentally Handicapped Children

This course is designed to acquaint the student with the principles and practices of instruction of subnormal children.

Not offered 1953-54. Two semester hours.

438 Audio-Visual Education

Acquaints teachers and administrators with the principles and practical uses of multi-sensory aids to education, including field trips, machines, and creative materials.

Summer session and second semester. Mr. Snow. Two semester hours.

439 Driver Training and Safety Education

Deals with several aspects of safety education in the home, school and community, with special emphasis on preparing secondary school teachers of driver training and safety education. Materials and methods, psycho-physical testing, sound driving practices, pedestrian protection, "Behind-the-Wheel" training in dual-control cars, and accident prevention procedures are an integral part of the course.

Post-summer session (August 3-14, inclusive). Two semester hours
Enrollment is through the Extension Division.

449 Education in an Air Age

This course is intended for elementary and secondary school teachers desiring an understanding of various phases of aviation and their

relation to social, political, economic and educational problems in the modern world. Opportunities will be provided to analyze various educational activities that are appropriate to different grade levels, and provision will be made for visiting airports and acquiring some flight experience.

Not offered 1953-54. Two semester hours.

451 Philosophy of Education

For graduate students and teachers of experience. Analyzes and interprets the changes in education taking place in this and other countries.

Not offered 1953-54. Two semester hours.

480 Introduction to Guidance Services

A basic introductory course for all secondary and elementary teachers, including a survey of the history, principles, problems, methods, organization and methods of guidance. Special attention is centered on the individual, his needs and adjustments, and on counseling procedures.

Summer session. Dr. Peters. First semester. Dr. Manske. Two semester hours on campus. Three semester hours in extension.

481 Techniques of Guidance

This course is designed to give competencies in the use of school records, instruments of measurement, case studies, interview, group guidance, placement, follow-up and community resources.

Second semester. Dr. Manske. Two semester hours on campus. Three semester hours in extension.

482 Occupational Information for Counselors and Teachers

Stresses knowledge of sources, use, evaluation and techniques of imparting occupational information. Recent trends in the major occupations are also discussed.

Summer session and second semester. Dr. Kohrman. Two semester hours.

ENGLISH

OPEN TO GRADUATES

510 Appreciation of Poetry

A study of the techniques of poetry and of the mode of poetic discourse as distinguished from prose. Poems from various periods of English and American literary history will be examined in terms of subject, diction, form, imagery, point of view, tone, philosophy. Designed for elementary and secondary school teachers.

First semester. Dr. Miller. Two semester hours.

518 The English Epic

The development and nature of English epic poetry, including both

folk and literary epic—*Beowulf*, *The Faerie Queen*, *Paradise Lost*, and *The Idylls of the King*. *Paradise Lost* will be examined in detail. A research paper will be required.

First semester. Mr. Smith. Two semester hours.

522 The American Character and Society in American Literature, 1850-1950

A history of the representation of American character and of the institutions of American society in American literature (1850-1950) by such major authors as Thoreau, Hawthorne, Melville, Whitman, Twain, James, Norris, Crane, Dreiser, Mencken, Lewis, Hemingway, Dos Passos, Steinbeck.

Summer session. Dr. Limpus. Second semester. Dr. Miller. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

401 Teaching of Secondary English

A course in the selection and methods of presentation of literature in high school.

Summer session and second semester. Miss Loutzenhiser. Two semester hours.

403 Source Material for Literature in the Elementary Grades

The course aims to acquaint the student with information about books and materials for children's literature as well as critical and historical literature of the subject, childrens' magazines, records of the literature of childhood and similar materials.

Summer session. Miss Master. Two semester hours.

408 Elizabethan Tragedy

A study of the rise of English tragedy, its theories and variations, together with a detailed study of plays by Kyd, Marlowe, and Webster, as well as Shakespeare's *Othello*.

Summer session. Mr. Smith. Two semester hours.

409A English Literature of the Romantic Period

A study of the main currents of English literature near the beginning of the nineteenth century, beginning with Blake and Burns and emphasizing Wordsworth, Coleridge, Scott, and the major criticism of the period.

First semester. Dr. Limpus. Three semester hours.

409B English Literature of the Romantic Period

A continuation of 409A, emphasizing Byron, Shelley, Keats, Hazlitt, Lamb, and DeQuincey.

Second semester Dr. Limpus. Three semester hours.

410 Literary Criticism

A careful study of the fundamental principles of literary criticism, supplemented with wide reading in English critical essays. Each student writes several short criticisms.

Not offered 1953-54. Two semester hours.

413 The Modern Novel

A study of social interpretation in the English novel from Jane Austen to John Galsworthy.

Second semester. Dr. Brown. Two semester hours.

414 Shakespeare's Tragedies

Elective course for graduates and for seniors who wish one term of Shakespeare. Prerequisite: 10 hours of College English Literature.

Not offered 1953-54. Three semester hours.

415 Shakespeare's Comedies

Elective course for graduates and for seniors who wish one term of Shakespeare. Prerequisite: 10 hours of College English Literature.

Not offered 1953-54. Three semester hours.

416 English Literature from the Restoration to 1730

The works of leading literary figures of the period, with emphasis on satire.

Not offered 1953-54. Three semester hours.

417 English Literature from 1730-1798

Not offered 1953-54. Three semester hours.

421 American Literature

A survey of the literature of the colonial and early national period, including the writings of Freneau, Irving, Bryant, Emerson, Thoreau, Hawthorne, Poe, and Melville.

Not offered 1953-54. Two semester hours.

422 American Literature

A study of representative prose and poetry from 1870 to the present. Individual assignments cover schools and tendencies, with emphasis upon Whitman, Mark Twain, Henry James, O'Neill, Robinson, Steinbeck, and Hemingway.

First semester. Miss Nobbs. Two semester hours.

425 Modern English Grammar

A study of the historical development of the English language with special attention to the evolution of modern syntax and the growth of new meanings of words.

Summer session and second semester. Dr. Limpus. Two semester hours.

433 Lives and Letters of English Authors

This course combines a detailed study of the new biography as written by Strachey, Maurois and Gamaliel Bradford with the reading by each student of outstanding collections of letters and a written essay by each student on an assigned collection of letters.

First semester. Dr. Brown. Two semester hours.

490 Anglo-Saxon

This course combines a rapid survey of Anglo-Saxon grammar in the readings in translation of representative writings in an attempt to show the contribution of the early writers.

First semester. Dr. Brown. Three semester hours.

GEOGRAPHY AND GEOLOGY

OPEN TO GRADUATES

578 Pro-seminar in Economic Geography

Each member of the class carries on an individual investigation of some problem in economic geography. Theory and technique of research in economic geography, and the treatment of graphic forms as applied to geography. Prerequisite: Geography 105A, B or Geography 305 and Commerical Geography 218, or consent of instructor.

Not offered 1953-54. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

406 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: Geography 105A, B or Geography 305, or equivalent, or consent of instructor.

First semester. Dr. Berry. Two semester hours.

410 Studies in Geographic Education

Course gives prospective geography teachers guidance in the selection, organization and presentation of the best materials available in this field. Not open to students who have had Geographic Techniques 303.

Second semester. Miss Logan. Two semester hours.

411 Historical Geography of North America

Migrations and routes of travel of the various European colonizers. Pattern and progress of settlement together with the geographical conditions encountered in developing each part of the continent for human use. Prerequisite: Geography 105A or consent of instructor.

Summer session. Dr. Berry. Two semester hours.

416 Political Geography

Study of the resources, peoples, and geographic-political problems

of the various nations and empires of the world from the point of view of the reciprocal relations involved.

Second semester. Miss Logan. Two semester hours.

419 Survey of Latin American Geography

Comprehensive survey of Latin America. Includes the physical landscape, natural resources, and the cultural adjustments in each of the countries. May not be taken by those who have credit in South America or Mexico and the Caribbean.

First semester. Dr. Stout. Two semester hours.

HISTORY

OPEN TO GRADUATES

511 Studies in the Near East

Studies pertaining to the major aspects of the history of the Near East; involving lectures, supplementary reading, and the critical use of historical materials in the preparation of papers.

Second semester. Dr. Mange. Two semester hours.

513 Studies in Michigan History

Studies in the history of Michigan since its admission as a state. Attention is given to the critical use of historical materials and the preparation of bibliographies.

Summer session. Mr. Starring. Two semester hours.

515 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*.

First semester. Dr. Seibert. Two semester hours. (Not open to students who have had course 415.)

519 Studies in Russian History

Lectures and reading on those phases of Russian history necessary for an understanding of the present. The critical use of historical materials in the preparation of papers on topics of current significance along two general lines: (a) problems connected with Russia's borderlands; (b) the evolution of Soviet institutions.

Not offered 1953-54. Two semester hours.

524 Studies in the History and Culture of the Old Northwest

Reading, discussion, and research on various aspects of the development of government, education, social institutions, and economic life in the Old Northwest.

Not offered 1953-54. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

403 American Foundations

The English Colonies in America, 1607-1763.

Mainland and island settlements; development of society and institutions; policy and administration.

Not offered 1953-54. Two semester hours.

404 The Era of the American Revolution, 1763-1787

The causes, character, and consequences of the American Revolution.

Not offered 1953-54. Two semester hours.

405A United States History, 1783-1815

An intensive study of selected topics. A principal object is to acquaint students with the various classes of historical materials and to introduce them to methods of advanced historical study. Prerequisite: six semester hours of history.

Not offered 1953-54. Two semester hours.

405B United States History, 1845-1877

This course deals principally with the great sectional struggle over slavery. It is conducted in the same manner as 405A. Prerequisite: six semester hours of history.

Not offered 1953-54. Two semester hours.

406A United States History, 1877-1901

An intensive study of a short period. The course is conducted in a manner similar to that of 405A, B. Prerequisite: six semester hours of history.

First semester. Dr. Russel. Two semester hours.

406B United States History, 1901 to the Present

This course is conducted in a manner similar to that of 405A, B, and 406A, but a greater effort is made to present a complete outline. Prerequisite: six semester hours of history.

Second semester. Dr. Russel. Two semester hours.

408 Europe: 1900-1925

A study of the evolutionary promise of the New Enlightenment and the forces that led to its end in World War I; the frustrated opportunities of the peace ending at Locarno. Emphasis on evaluating significant trends of Liberalism; the relationship of domestic and foreign policies.

First semester. Mr. Mowen. Three semester hours.

409 Europe: 1925 to Present

An investigation into the nature of the crucial problems and the varied solutions offered. Special study of the World Depression; the revolutionary alternatives posed by Fascism and Communism; tensions and ideological conflicts culminating in World War II; the positions

of victor and vanquished after modern war.

Summer session and second semester. Mr. Mowen. Three semester hours.

415 The Old Regime

A study of the development of absolute monarchy; of the institutions, life, and thought of the eighteenth century, with special emphasis upon France; the causes of the French Revolution, and belated efforts at reform. Prerequisite: An introductory course in European history.

First semester. Dr. Seibert. Two semester hours.

416 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.

Second semester. Dr. Seibert. Two semester hours.

418 The Old South

A study of economic, social, and cultural conditions in the antebellum South with emphasis on the plantation system and Negro slavery and the social and political philosophy of Southern leaders.

Second semester. Dr. Russel. Two semester hours.

425A Intellectual History of Western Man, I (Beginning to 1550)

Leading ideas and movements in Western Civilization; their foundations in classical and Judaeo-Christian traditions. Medieval thought, both secular and ecclesiastic. Arab influences. The spirit of Gothic art. Renaissance and Humanism. The final breakup of the medieval system through the Protestant Reformation.

First semester. Dr. Friedmann. Two semester hours.

425B Intellectual History of Western Man, II (1550-1590)

Four hundred years of the "modern mind:" the dominance of the scientific perspective and the conflict with Christian ideas and ideals. Calvinism and the economic revolution. Rationalism, Enlightenment and the secularization of life. Romanticism, Liberalism, and the challenge of socialism. The world at a crossroad.

Second semester. Dr. Friedmann. Two semester hours.

426 Twentieth Century Britain

A study of British political, social, and economic developments since 1900, and of the changing character of the Empire and Commonwealth.

Not offered 1953-54. Two semester hours.

HOME ECONOMICS

OPEN TO GRADUATES

500 Supervision of Home Economics

New developments in teaching of home economics will be studied. Problems the students have met on the job will receive major consideration. Recent changes in the vocational homemaking program, methods of evaluation, use of visual aids, recent textbooks, magazines and plans and equipment for laboratories will be studied.

Summer session. Miss Reed. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

403 Recent Trends in Textiles

New developments in the textile field, selection, use, and care of the newer textile fabrics which are used in clothing and home furnishings. Prerequisite: At least one course in Textiles and Clothing.

Summer session. Miss Stamm. Two semester hours.

404 Tailoring

This course is planned to give experience in tailoring techniques, with emphasis on the making of coats and suits. Prerequisite: Home Economics 205 or consent of instructor.

Second semester. Miss Volle. Three semester hours.

416 Advanced Nutrition

Study of recent developments in nutrition through readings and experiments. Prerequisite: Home Economics 211.

Not offered 1953-54. Three semester hours.

419 Experimental Food Study

Application of principles affecting food preparation. Development of experimental techniques. Individual problems in food preparation.

Second semester. Miss Acree. Two semester hours.

421 Housing and House Planning

This course is planned for advanced students, to show the interrelation of social and aesthetic phases of housing. The adaption 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.

Second semester. Miss Taylor. Two semester hours.

423 Institutional Management

Study in institutional administration, job analysis, labor policies, personnel problems, and cost control in different types of food-service institutions. Prerequisite: Home Economics 311, 312.

Not offered 1953-54. Three semester hours.

439 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.

Summer session and first semester. Miss Acree. Two semester hours.

INDUSTRIAL ARTS

OPEN TO GRADUATES

551 Trends in Industrial Arts

Major emphasis will be on current literature in the field. Significant research studies will be reviewed. State, local, commercial and industrial publications will be studied to determine their place in the school shop program.

Not offered 1953-54. Two semester hours.

553 Project Planning and Designing

A study of the principles of design and their application to shop projects. Special attention will be given to planning and designing new projects that will enrich the school shop program.

Not offered 1953-54. Two semester hours.

580 Special Problems in Industrial Arts

This course provides for the study and organization of a specific teaching problem in industrial arts. Each member of the class selects a suitable problem, develops material for it, and organizes it for instructional use.

Each semester. Dr. Feirer. Two to four semester hours.

FOR GRADUATES AND UPPERCLASSMEN

400 Problems in Metalworking

Practical laboratory experiences in forging, foundry, heat treating, machine shop, and arc acetylene welding. Course will emphasize methods of selecting and developing course materials for junior and senior high school students. Course content will be adapted to meet the needs of individual students.

Summer session and first semester. Mr. Weaver. Two to four semester hours.

405 Problems in Woodworking

Advanced laboratory experiences in some of the more common areas of woodworking such as patternmaking, carpentry, upholstery, caning, and finishing. Content selection, project building and new techniques will be covered.

Summer session. Mr. Nichols. Two to four semester hours.

407 Furniture Construction

A course covering the design and construction of fine furniture. Each student will be required to design and carry to completion a finished piece of furniture.

Summer session and second semester. Mr. Nichols. Three semester hours.

410 Problems in Electricity

Special problems in the technical and social phases of electricity which arise in the planning of courses, shops, and equipment for instruction in this field.

Summer session and second semester. Mr. Plough. Two to four semester hours.

415 Arts and Crafts Techniques

Advanced laboratory experiences in the fields of internal plastic carving, leather work, model work, archery, photography, and related crafts in conjunction with a study of current technical literature in these areas. Written reports will be required. Course content will be adapted to individual needs.

Not offered 1953-54. Two to four semester hours.

416 Advanced Problems in Graphic Arts

Opportunity is provided for the individual student to undertake advanced study of the technical problems in the field of graphic arts. Advanced instruction in imposition, presswork, and linotype composition will be available.

Summer session. Mr. Brink, Mr. Pullin. Two to four semester hours.

420 Advanced Drafting Practices

Advanced laboratory experiences in the fields of mechanical, architectural and machine drawing in conjunction with a study of current technical literature in these areas. Written reports will be required. Advanced instruction in engineering drawing and descriptive geometry will also be available. Course content will be adapted to individual needs.

Summer session. Mr. Beukema, Mr. Huff. Two to four semester hours.

450 The General Shop Program

A review of the current philosophies concerning the place of the general shop in general education. The historical development of the general shop program will also be surveyed. Problems of organization, administration, methods, articulation, equipment and supplies will be investigated.

Not offered 1953-54. Two semester hours.

463 Arts and Crafts for Teachers

This course will cover crafts techniques in the areas of art metal,

jewelry, leather, plastics, wood crafts, and other related experiences. Teaching procedures, methods, and materials will be emphasized.

Each semester. Mr. Farnan. Two semester hours.

464 Industrial Arts for the Elementary School

Deals with the problems of organizing and teaching Industrial Arts for the elementary grades. Course materials, techniques, and materials in the industrial and craft areas will be stressed.

Second semester. Dr. Feirer. Two semester hours.

LANGUAGE

FOR GRADUATES AND UPPERCLASSMEN

407 The Central European Area

This course proposes to investigate cultural aspects necessary for an understanding of the Central European situation which is of such great present-day importance. Countries included will be Germany, Austria, Switzerland, and Czechoslovakia. Historical, geographical, social and religious problems will be investigated to give the student an insight into this topic. There is no foreign language prerequisite for the course.

Not offered 1953-54. Two semester hours.

408A Contemporary French Literature

The aim of this course is to study a few outstanding French novelists and essayists of our time: Georges Duhamel, Roger Martin du Gard, Antoine de Saint-Exupéry, Georges Bernanos, Francois Mauriac, André Malraux, Jean Giono, Albert Camus; to examine the works of the masters of the preceding generation whose ideas have been deeply felt to the present day: Barrès, Gide, Proust, Mauras, Claudel, Péguy, Romain-Rolland.

First semester. Miss Tamin. Two semester hours.

408B Contemporary French Literature

This is a continuation of French 408A. The aim of this course is to study the history and traditional purposes of the Comédie-Française; and for the student to become fully aware of the renovation of stagecraft in France under impulse given by such producers as Jacques Copeau, Charles Dullin, Gaston Baty, Louis Jouvet, Jean-Louis Barrault. After having examined a few plays by authors of the late XIXth and XXth centuries, the following dramatists will be studied: Paul Claudel, Jules Romains, Jean Giraudoux, Jean-Jacques Bernard, Henri de Montherlant, Jean-Paul Sartre, Jean Anouilh.

Second semester. Miss Tamin. Two semester hours.

417 Evolution of German Thought

This course is a study of the development of Germany and the German national character. It will include a study of selected authors

on history, philosophy and pedagogy as well as German literature in translation. There is no foreign language prerequisite.

First semester. Dr. Rothfuss. Two semester hours.

442 Modern Language Instruction

This is a course for teachers of French, German or Spanish in the high school and grades. Problems common to all three will be considered. The basis for the course will be psychological principles underlying language learning, an evaluation based on them of current methodology, and a critical survey of cultural materials in the three civilizations, suitable for present-day school use.

Summer session. Miss Steckelberg. Two semester hours.

LIBRARIANSHIP

OPEN TO GRADUATES

509 History of Books and Printing

Study of the development of the book from the earliest period to modern times. Considers the appraisal of the physical book as well as its relationship to social and cultural developments. Includes history of the alphabet, early writing materials, manuscripts, invention and spread of printing and evolution of production.

Second semester. Miss Hunt. Two semester hours.

561 Seminar in Administrative Problems of School Libraries

Designed for the experienced school librarian who has had a basic course in administration of school libraries. Analysis of the problems involved in establishing a system of school libraries or information centers in county, city or state units and of problems of supervision.

Summer session and second semester. Miss LeFevre. Two semester hours.

562 The Library in the Modern Community

This 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 for various types of libraries in relation to their contribution to society. Attention is given adult education, county and regional, school and public library programs and the services rendered through national, state and local library agencies.

Second semester. Miss LeFevre. Two semester hours.

570 Classification and Cataloging

A continuation of Introduction to Classification and Cataloging 470. Attention is given to comparison of classification systems; to cataloging of special types of materials and to methods of organizing centralized cataloging units in school systems.

Second semester. Miss LeFevre. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

402 Reading Interests of Youth

Study of the fields of literature, both adult and juvenile, of interest to youth. Wide reading of books followed by critical and descriptive analysis. Provision made for individual investigation of reading interests through association with groups or individuals in Campus School. Emphasis is placed on development of appreciation and methods of awakening interest in reading. Open to students in Education Department and others who expect to work with youth.

Summer session. Miss H. Hunt. Each semester. Miss LeFevre. Two or three semester hours.

403 Selection of Reading Materials

Principles of selection and evaluation of books and non-book materials. Appraisal of printed aids, book reviewing media, and other sources of information used in building the library collection. Opportunity given for developing competence in writing annotations and book reviews and in extending the use of books through book talks and book discussions.

First semester. Miss Hunt. Two semester hours.

405 Curriculum Enrichment Materials

Study of selection of teaching materials; books, pamphlets, periodicals, maps and audio-visual materials in relation to the elementary and secondary school curriculum. Emphasis laid on evaluation of content and on methods of distribution in relation to the school organization. Considers sources of selection for various types of materials. Discussion and practice in methods of instruction in use of such materials. Open to students in Education Department and teachers in service.

Summer session. Miss Lowrie. First semester, Miss LeFevre. Second semester, Miss Hunt. Two or three semester hours.

406 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.

First semester. Miss LeFevre. Two semester hours.

411 Reference Service

Study and evaluation of basic reference and bibliographic sources in the various subject fields. Critical examination of the publications of governmental agencies, societies and institutions especially as reference sources relating to the curriculum. Attention given to organization and methods of reference services. (Not open to students who have had 311 Reference Service)

Second semester. Miss Hunt. Two semester hours.

470 Introduction to Classification and Cataloging

Introduction to the principles of classifying and cataloging the book collection, includes study and practice in making the dictionary catalog and in classifying materials according to the Dewey Decimal Classification Scheme. Students are taught to use the unit card system and are given practice in assigning subject headings, in adapting Library of Congress and Wilson printed cards and in cataloging non-book materials.

First semester. Miss LeFevre. Four semester hours.

MATHEMATICS

FOR GRADUATES AND UPPERCLASSMEN

401 Teaching of Secondary Mathematics

In this course some consideration is given to curriculum problems and trends in secondary school mathematics, but the main emphasis will be upon specific problems of teaching mathematics effectively to secondary school students. Prerequisite: Math. 116 or equivalent.

Summer session. Mr. Sams. First semester. Dr. Butler. Three semester hours.

411 History of Mathematics

This course treats of the history of geometry and trigonometry from earliest times to the present. Prerequisite: Math. 103B, 104B, or 116.

Summer session and first semester. Mr. Peterson. Two semester hours.

412 History of Mathematics

This course treats of the history of arithmetic and algebra from earliest times to the present. Prerequisite: Math. 103B, 104B, or 116.

Second semester. Mr. Peterson. Two semester hours.

423 Introduction to Higher Geometry

The nature of proof, as exhibited in advanced theorems involving the triangle and circle, followed by a survey of various geometrical systems, notably non-Euclidean and projective. This course is especially recommended for those who are planning to teach geometry in the high schools. Prerequisite: Math. 103B, 104B, or 116.

Second semester. Mr. Sams. Three semester hours.

473 Introduction to Statistical Theory

This course covers essentially the same topics as those included in courses 209, but with more attention to the underlying mathematical theory. Prerequisite: Math. 103B, 104B, 105B, or 116.

Summer session. Mr. Sams. Second semester. Dr. Beeler. Three semester hours.

MUSIC

OPEN TO GRADUATES

507 Opera and Oratorio

A course designed to give the graduate student the historical and appreciative background into two of the great vocal forms of music from the 17th century to the present. Style and analysis to be considered.

Summer session. Dr. Matthews. Two semester hours.

509 Band Techniques and Organization

A study of the organization of the school instrumental program. Rehearsal techniques. Survey of band literature. Analysis and discussion of the problems of the instrumental teacher.

Summer session. Mr. Meretta. Two semester hours.

560 Seminar in Music Education

Each participant will be expected to develop a project which is of interest to him, but each project will be subject to group discussion, review and analysis. The lectures and reading will be of a general nature referring to the whole field of Music Education.

Summer session and first semester. Dr. Carter. Two semester hours.

615-688 Graduate Instruction in Applied Music

Properly qualified students may take graduate study in the various areas of Applied Music for a total of four semester hours in the major performance area (two semester hours per semester) and for a total of two semester hours in a minor performance area (one semester hour per semester). The usual two-digit applied music course number will be preceded by a six, for example, 645 Private Voice. This study involves a minimum of 60 minutes per week of private instruction plus the necessary practice.

Summer session and each semester. Staff. One or two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

401 Philosophy and History of Music Education

A course designed to acquaint the student with the history of the development of music education in the United States and how this development is the reflection of a growing philosophy of music education.

First semester. Miss Green. Two semester hours.

403 Psychology of Music Education

The purpose of this course is to develop understanding of such problems as differences in musical ability, various music tests, attitudes toward music and behavior in musical organizations. Materials for the course are largely drawn from Educational Psychology.

Summer session and first semester. Dr. Beloof. Two semester hours.

405A 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.

Not offered 1953-54. Two semester hours.

405B Counterpoint

A continuation of 405A.

Not offered 1953-54. Two semester hours.

407 Music of Wagner and Beethoven

A course designed to acquaint one with the music of these composers, its style, its place in the field of music literature and its relationship to the period in which they lived. Open to any interested senior or graduate student.

First semester. Dr. Matthews. Two semester hours.

451 Advanced Instrumental Conducting

Supervised experience in conducting instrumental groups. The student may be called upon to prepare an ensemble for public performance. Prerequisite: Instrumental Conducting 311A, Choral Conducting 311B.

Each semester. The Staff. One semester hour.

452 Advanced Choral Conducting

Supervised experience in conducting vocal groups. The student may be called upon to prepare an ensemble for public performance. Prerequisite: Instrumental Conducting 311A, Choral Conducting 311B.

Each semester. The Staff. One semester hour.

455A Orchestration

A study of the characteristics of the various instruments, application in arranging for various instrumental combinations including accompaniments for solos, vocal and instrumental. The course is about evenly divided between arranging for band and for orchestra. Some attention is given to the problems in score reading. Prerequisite: Advanced Harmony 206A, B.

First semester. Dr. Matthews. Three semester hours.

455B Orchestration

A continuation of 455A.

Second semester. Dr. Matthews. Three semester hours.

456A Advanced Composition

Further original work in composition dealing with the larger forms

in both the vocal and instrumental fields. Prerequisite: Composition 306A, B.

First semester. Dr. Matthews. Three semester hours.

456B Advanced Composition

A continuation of 456A.

Second semester. Dr. Matthews. Three semester hours.

460 Workshop in Special Problems

Designed for students interested in some special field of music not formally listed for instruction. All special problems must be approved by the head of the Department of Music, but may be under the direct guidance of any of the members of the music faculty. This course may be elected as many as three times.

Summer session and each semester. Hours per week to be arranged with major professor. The Staff. One to three semester hours.

OCCUPATIONAL THERAPY

OPEN TO GRADUATES

511 Advanced Clinical Training

A specialized course of study in cerebral palsy, poliomyelitis, or physical disabilities. This work must be taken on an advanced level at specified training centers. Prerequisite: Clinical Training 411.

Each semester. Miss Spear. Six semester hours.

512 Seminar in Occupational Therapy

Open to advanced students who wish to undertake special studies in this field.

Each semester. Miss Kiss. Two semester hours.

515 Advanced Design

A studio course with manual problems designed to meet the needs of graduate students with varied interests. The planning and construction of forms which lend themselves to utility and fabrication. Individual projects in terms of student's interests and abilities. Emphasis on individual expression and development.

Second semester. Miss Hamlin. Two semester hours.

528 Advanced Weaving

A continuation of Weaving 428, advancing into variations of over-shot work, special tapestry weaves, and summer and winter weave. Work will be adapted to the weaving education and experience of the student. Prerequisite: Weaving 428 or permission of the instructor.

First semester. Mrs. Thomas. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

410A Theory of Occupational Therapy

Correlation of all theory courses in occupational therapy. Specific instruction in the organization and administration of an occupational

therapy department. Supplemented by field trips to hospitals, social agencies, and allied industries.

Each semester. Miss Spear. Two semester hours.

410 Theory of Occupational Therapy (Medical Lectures)

A series of lectures on medical and orthopedic conditions. These will be correlated with occupational therapy treatment.

First semester. Miss Kiss and local physicians. Three semester hours.

425 Ceramics and Jewelry

A course dealing with the fundamentals of work in clay and other media, together with the designing and construction of jewelry in silver and other metals, and wood.

Summer session. Miss Kiss. Each semester. Miss Hamlin. Two semester hours on campus. Three semester hours in extension.

428 Weaving

Designed to give a working knowledge of hand looms. Includes discussion of looms, functional adaptations for special treatments, reading and drafting patterns, warping and threading looms, and types of weaving.

Each semester. Mrs. Thomas. Four semester hours.

PHYSICAL EDUCATION FOR MEN

OPEN TO GRADUATES

501 Current Studies in the Administration of Physical Education

For administrative officers as well as for teachers and directors of physical education. Includes a study of representative programs of physical education and a discussion of standards for evaluating such programs.

Summer session and first semester. Mr. Gary. Two semester hours.

502 Community Recreation

Course considers problems in community recreation. The essential elements pertaining to leadership, areas, facilities, programs, activities and methods of organization and administration are considered. A study is made of outstanding programs in operation. Recreation material is surveyed.

Summer session and first semester. Mr. Slaughter. Two semester hours.

503 Camp Administration

The organization and administration of camps; their program requirements and standards. Consideration is given to philosophy and objectives, personal skills in camp activities and methods of teaching them. Excursions are taken out-of-doors in cook outs; overnight hikes.

Weekend camping will be experienced. Visits will be made to camps operating in this vicinity.

Summer session. Mr. Slaughter. Two semester hours.

504 - A, B, C, D, Advanced Techniques in the Coaching of Athletics

The course will consider problems in the coaching of fundamentals, the organization of practice periods and offensive and defensive strategy. Prerequisite: Either coaching experience or completion of an undergraduate course in the sport concerned.

504a - Football - 1 semester hour - Mr. Gill

504b - Basketball - 1 semester hour - Mr. Hoy

504c - Baseball - 1 semester hour - Mr. Maher

504d - Track - 1 semester hour - Mr. Dales

504a and 504b are offered during the first three weeks of the summer session.

504c and 504d are offered during the second three weeks of the summer session.

Either 504a or 504b and 504c or 504d may be completed during one summer session. Summer session.

FOR GRADUATES AND UPPERCLASSMEN

401 Curriculum Planning in Physical Education

A study and evaluation of present-day trends in secondary physical education for boys. A discussion of principles and procedures for curriculum construction and criteria for selection of activities and judging of outcomes. Individual projects will be developed.

Summer session and second semester. Mr. Petoskey. Two semester hours.

PHYSICAL EDUCATION FOR WOMEN

OPEN TO GRADUATES

520 Curriculum Building in Physical Education

A course in the development of a practical progressive physical education program for the elementary schools and for secondary school girls. A review of characteristics of children, especially those concerned with physical education, will be used as a basis for a thorough analysis of the development of the fundamental and basic skills at the various age levels.

First semester. Miss Bottje. Two semester hours.

530 The Dance in Education

The study of dance—its forms, history and relationship to the other arts. The place in education, the development of rhythmic expression and its relation to other subjects through the child's school life. The course consists of lectures, techniques, composition and performance.

First semester. Mrs. Brown. Two semester hours.

540 Corrective Therapy and Rehabilitation

A study of the physically handicapped child and of the contribution which the physical education program can make in his education. After a review of kinesiology and the principles of good body mechanics, a study will be made of muscular re-education for cases of birth injury, poliomyelitis, cerebral palsy and other handicapping deviations. Prerequisite: Applied Anatomy and Individual Gymnastics.

Not offered 1953-54. Two semester hours.

550 Problems and Trends in Physical Education

Deals with modern trends and with instructional and supervisory problems involved in conducting an effective program of physical education. Critical appraisal of present practices.

Summer session and second semester. Miss Worner. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

444 Methods in Physical Education

Fundamental principles underlying the selection of subject matter and the technique of teaching gymnastics, games, and rhythmic work for elementary and high-school pupils. Opportunity for observation and making of lesson plans. Prerequisite: Introduction to Physical Education 170.

First semester. Miss Bottje. Three semester hours.

445 Administration and Organization of Physical Education

This course presents the problems that arise in the everyday experience of the instructor. Among the topics considered are administration, of activities, physical examinations, excuses, special cases, records, schedules, and relations with other services in the school. Prerequisite: Methods in Physical Education 444.

Second semester. Miss Crane. Two semester hours.

473 Individual Gymnastics

The study of preventive as well as prescribed exercises for remedial defects in case of curvature and physical abnormalities. Practice with patients will be given. Prerequisite: Anatomy 211A,, Physiology 211B, Applied Anatomy 273.

Second semester. Miss Hussey. Three semester hours.

PHYSICS

OPEN TO GRADUATES

501E Modern Advances in Physical Science

Some modern developments in the field of chemistry and physics will be treated. Such topics as additions to the periodic table, radio-

active isotopes, new organic compounds, ultrasonics, semi-conductors and transistors, and nuclear energy will be considered. Lectures, demonstrations, readings. Prerequisite: 16 semester hours in physics and/or chemistry.

Summer session. Mr. Marburger. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

440 Atomic Physics

A study is made of the electron, the photoelectric effect, thermionic emission, the physics of X-rays, quantum theory, devices for accelerating nuclear particles, isotopes, spectra, and atomic structure. Prerequisite: Electricity and Light 103B, Calculus 205A,B.

Not offered 1953-54. Three semester hours.

441 Nuclear Physics

Designed to follow Atomic Physics 440. It includes natural and artificial radioactive transformations, the experimental methods of nuclear physics, properties of neutrons, binding energy, nuclear reactions, nuclear structure, fission, and cosmic rays. Prerequisite: Atomic Physics 440.

Not offered 1953-54. Three semester hours.

442 Foundations of Modern Physical Theory

A course designed to inspect the important theories of physics in their historical setting. Emphasis is placed on Newtonian mechanics, wave theory of Maxwell, quantum theory, special theory of relativity, the modern theories of the atomic nucleus. The relationship between the experiment and the theory is scrutinized in each case and the connection with the general methods of science is shown. Modern engineering developments resulting from the new theories will be discussed. Prerequisite: General College Physics.

Second semester. Dr. Bradley. Two semester hours.

443 Theoretical Physics

A course designed to present the fundamental structure of physics in precise mathematical terms. The topics will include mechanics from a vector point of view, flow of fluids, electric and magnetic fields. Prerequisites: Electricity and Light 103B, Calculus 205B.

First semester. Dr. Bradley. Three semester hours.

462 Electrical Measurements

This course deals with the theory and use of instruments to measure electrical and magnetic quantities. Both AC and DC bridge methods are included. Prerequisites: Electricity and Light 103B and Calculus 205A, B.

Second semester. Mr. Marburger. Three semester hours.

POLITICAL SCIENCE

OPEN TO GRADUATES

530 National Government

This course considers the major aspects of the national government of the United States with emphasis upon constitutional questions and intergovernmental relations; executive, legislative and judicial branches; problems of citizenship and civil liberties; political parties and elections; and basic problems of public administration and finance.

First semester. Dr. Clark. Two semester hours.

539 Problems of Municipal Government

Deals with problems resulting from the growth of cities; auxiliary departments such as personnel, finance, planning, and law; and line departments including police, fire, public works and utilities, public health, parks and recreation. Prerequisite: Political Science 230B or equivalent.

Not offered 1953-54. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

420 Principles of Government

This course studies that area of Political Science which lies between practical descriptions of political systems and advanced philosophic speculation. It considers, for example, such problems as the influence of geography, technology, education and tradition on political systems.

Not offered 1953-54. Two semester hours.

437A Problems of American Government

An advanced study of the problems which are related to the various branches of our national government. Executive-legislative relationships and administrative organization are among topics to be considered.

Not offered 1953-54. Two semester hours.

437B Problems of American Government

A study of some of the more important politico-economic and politico-social problems, recent and pending in Congress, in state legislatures, and the world. This course is designed as a continuation of 437A but may be taken separately.

Not offered 1953-54. Two semester hours.

439 Municipal Government and Administration

Structural, political and legal questions concerning the development and organization of cities are discussed. Emphasis is placed on city planning. Police, social welfare, public improvements, finance and other activities. Prerequisite: Political Science 230B or the equivalent.

Not offered 1953-54. Two semester hours.

451 British Government and Politics

The organization and operation of the government of Great Britain

and a survey of contemporary British political issues and problems
Prerequisite: Political Science 230A or equivalent.

First semester. Dr. Weber. Two semester hours.

452 Government and Problems of the Far East

This course includes a study of the governmental organization and an analysis of some current problems of organization and administration of Japan, India, the Philippines, and other countries of the Far East. Special attention will be given to such problems as the growth of communism, land reform, industrialization efforts, and the development of democratic philosophy.

Summer session and second semester. Dr. Stine. Two semester hours.

453 Governments of the Soviet Union and Eastern Europe

The government and politics of the U.S.S.R. and a survey of the new regimes established in Poland, Czechoslovakia, Hungary, Romania and Yugoslavia. Prerequisite: Modern European History or equivalent.

Second semester. Dr. Weber. Two semester hours.

465 Foreign Policy of the United States

An analysis of foreign problems faced by the United States. Special emphasis on relations between the United States and the major power areas of the world. Prerequisite: Political Science 230A, American history or equivalent.

First semester. Dr. Woods. Two semester hours.

466 Conduct of American Foreign Relations

A study of the agencies in the national government responsible for formation and execution of American foreign policy. Particular attention will be paid to these roles in current policy. (This course is designed as a continuation of Political Science 465 but may be taken separately.) Prerequisite: Political Science 230A, American history or equivalent.

Second semester. Dr. Woods. Two semester hours.

471 Problems of Public Administration

The course will include an analysis of some typical problems of administration at all three levels of government. An attempt will be made to develop some principles which will aid the administrator in his consideration of such matters as organization and reorganization of agencies of government personnel and financial administration, techniques or control within the unit and public relations. Individual problems will be assigned to the level of government in which each is particularly interested.

Summer session and second semester. Dr. Stine. Two semester hours.

493 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 course material will be used.

Not offered 1953-54. Two semester hours.

PSYCHOLOGY

FOR GRADUATES AND UPPERCLASSMEN

402 Laboratory in Psychological Testing

The course will consider selecting, administration and interpretation of educational, personality and aptitude tests. A competency in interviewing techniques will be developed.

Not offered 1953-54. Three semester hours.

404 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.

Not offered 1953-54. Two semester hours.

405 The Deviant Individual

Study of the gifted, mentally defective, neurotic, delinquent and criminal, and psychotic; with particular attention to factors in development and to distinctive manifestations of these deviations from the normal.

First semester. Dr. Kuffel. Two semester hours.

406 Vocational Psychology

The problems of vocational choice and of occupational group-differences. Lectures, reading, and an occasional laboratory period substituted for a class hour.

Summer session and first semester. Dr. Kuffel. Two semester hours.

407 Mental Testing

The purpose of this course is to provide training in the administration, scoring and interpretation of various mental tests. This course supplements 402 in giving the student practice in use of diagnostic tests.

Summer session. Miss McGinnis. Two semester hours.

408 Survey of Personnel Psychology

An introduction to the psychological problems of personnel administration and to the methods of personnel psychology. Lectures, discussions and an occasional laboratory period.

Summer session and second semester. Dr. Fatzinger. Two semester hours.

410 Learning and Memory

A survey of the general principles of learning and memory and an introduction to learning theory.

Second semester. Dr. Fatzinger. Two semester hours.

SCIENCE DIVISION

OPEN TO GRADUATES

503 Teaching of Elementary Science

Indicates the part played by science experiences in the development of children, acquaints teachers with types of science content and teaching procedures suitable in elementary education.

Not offered 1953-54. Two semester hours.

571 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.

Summer session. Dr. Mallinson. Two semester hours.

SOCIAL SCIENCE DIVISION

FOR GRADUATES AND UPPERCLASSMEN

400 Teaching of the Social Studies

Teaching of the social studies in the Junior and Senior High School. Definition of objectives. Selection, organization, and development of content materials. Study of the procedures and problems of effective teaching in the social studies.

Summer session. Dr. Macmillan. First semester. Dr. Woods. Second semester. Dr. Macmillan. Two semester hours.

401 Workshop on Contemporary Britain and Anglo-American Relations

A study of the historical forces molding contemporary Britain, her government and society; economic, political, and social changes in the twentieth century; the development of the welfare state; and the structure of the British Commonwealth of Nations. England's international relations will be studied with particular reference to the United States. There will be group projects, class reports, papers, and lectures.

Summer session. Mr. Cross, Mr. Mitchell, Dr. Seibert. Two to five semester hours.

SOCIOLOGY

OPEN TO GRADUATES

540 Social Dynamics of Human Behavior

The concepts of sociology, cultural anthropology, and social psy-

chology essential to understanding human development and social behavior are systematically explored and integrated. The student is taught how to assess the concrete social situations in which he finds himself, and in which he observes other people from day to day. Especially designed for those who have not had a foundational course in sociology.

First semester. Dr. Kercher. Two semester hours.

543 Advanced Population Studies

A study of significant population conditions and changes, both quantitative and qualitative, in the United States and in the world's trouble spots. Facts, causes, consequences, and policies with respect to contemporary population situations are considered.

Not offered 1953-54. Two semester hours.

544 Race and Culture Contacts

A study of racial and cultural minorities with particular reference to those prominent in American culture. Race as a physical and cultural concept; racial myths, doctrines, and movements; conflict and accommodation of majority and minority groups, and proposed solutions of ethnic problems are considered. Prerequisite: Principles of Sociology 241 or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

Second semester. Dr. Hunt. Two semester hours.

545 Advanced Studies in the Family

The major aspects of family life are explored. Attention is directed to historical family organizations, the family in other cultures, changing institutional functions, major family problems, and family disorganization and reorganization. Prerequisite: Principles of Sociology 241 or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

Not offered 1953-54. Two semester hours.

548 Independent Studies in Sociology

For graduate students desiring to do independent research or study in fields of sociology not covered by the curriculum. A student's project must be approved by the Sociology faculty, and work on it is supervised throughout by an individual staff member. Prerequisite: A minimum of 8 semester hours of college work in sociology. As needed.

First and second semester. Dr. Horton, Dr. Hunt, Dr. Kercher, Mrs. Reid. Two or three semester hours.

FOR GRADUATES AND UPPERCLASSMEN

440 Urban Community

A study of community life as influenced by the processes of industrialization and urbanization. Community problems and social planning for community life are given appropriate consideration. Prerequisite: Principles of Sociology 241, or Introduction to Contemporary

Society 101A, or Social Dynamics of Human Behavior 540.

Second semester. Dr. Horton. Two semester hours.

441 Social Control

A study of the means and the forms of social control. Emphasis is upon the systematic analysis of social control situations. Limited research project assigned. Prerequisite: Principles of Sociology 241 and Modern Social Problems 242, or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

First semester. Dr. Hunt. Two semester hours.

442 Social Pathology and Personal Deviation

A study of cooperative enterprise and cooperative movements; would include consideration of the alcoholic, the drug addict, the marginal man, and the sexually maladjusted. Course considers deviate behavior in light of social background, causative factors, and possible therapy. Prerequisite: Principles of Sociology 241, or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

Summer Session. Dr. Manis. Two semester hours.

444 History of Social Thought

A critical survey of the social thinking of outstanding students of society from Plato to those of modern social science. Prerequisite: Principles of Sociology 241 or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

Not offered 1953-54. Two semester hours.

445 Cooperative Social Organization

A study of cooperative enterprise and cooperative movements; covering principles, historical developments, forms and manifestations, problems of operation, and place in contemporary society. Prerequisite: Principles of Sociology 241, or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

Not offered 1953-54. Two semester hours.

446 Advanced Studies in Juvenile Delinquency

Advanced studies in extent, causes, and methods of control of juvenile maladjustment. Prerequisite: Principles of Sociology 241 or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

First semester. Dr. Kercher. Two semester hours.

448 Comparative Culture Studies

A comparative study of the structure and the functioning of selected aspects of culture in Britain and America. The courts, the educational system, the welfare state, class stratification, correctional institutions, political organization, and the basic structure of government are considered. Prerequisite: Principles of Sociology 241, or Introduction to Contemporary Society 101A, or Social Dynamics of Human

Behavior 540.

Second semester. Dr. Kercher. Two semester hours.

449 Contemporary Social Movements

A study of the growth and place in contemporary society of selected social movements, including communism, fascism, Ku Klux Klan, the Townsend movement, and the like. Prerequisite: Principles of Sociology 241, or Introduction to Contemporary Society 101A, or Social Dynamics of Human Behavior 540.

Second semester. Dr. Horton. Two semester hours.

SPEECH

OPEN TO GRADUATES

554 Teaching of Speech Correction

A study of the methods of individual and group therapy for common disorders of speech.

Second semester. Dr. Van Riper. Two semester hours.

555 Public School Speech Correction

This course deals with the organization and administration of speech therapy in the public schools. Problems of examination, certification, scheduling, inter-departmental relationships, parent and teacher education, techniques of group therapy, individual therapy, speech improvement methods for the elementary grades, and the philosophy of public school speech correction.

Summer session. Dr. Sheehan. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

405 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 needs of the individual members of the class.

First semester. Dr. Becker. Three semester hours.

406 Advanced Public Speaking

Advanced study of speech composition and audience psychology, analysis of model speeches, and frequent practice in constructing speeches for special occasions. Students interested in coaching or participating in oratorical contests will find this course useful. Prerequisite: Fundamentals of Speech 105A, Public Speaking 206, or consent of instructor.

Second semester. Dr. Becker. Two semester hours.

408 Direction of Forensic Activities

For students who expect to direct forensic activities in connection with other teaching duties. The course includes the principles of teaching debate and other forms of public speaking. Opportunities will be

given for directing local speaking activities. Prerequisite: a major or minor in speech and consent of instructor.

Second semester. Dr. Becker. Two semester hours.

409 Persuasion

There are two aspects of the course, skills and content. Speech skills are developed by the presentation of studies in persuasion, by participation in discussion and by criticism of both. The content of the course is the psychological theories and experimentation in motives and theories in persuasion ethics. Recommended particularly to teachers, pre-ministerial, pre-law, and business students.

Summer session and second semester. Dr. Brown. Three semester hours.

415 Acting

A continuation of the work done in Acting 215, with more intensive work in the techniques of creative acting. Each student will create at least one role in a play. Prerequisite: Fundamentals of Speech 105A, B, Interpretive Reading 210, Acting 215.

First semester. Miss Shaw. Two semester hours.

416 Oral Interpretation of the Drama

Platform reading of the one-act and the three-act play. Through class analysis and criticism, a basis for judging the drama is established. Prerequisite: Fundamentals of Speech 105A, B, Interpretive Reading 210, Acting 215, and Advanced Interpretive Reading 310, or consent of instructor.

Not offered 1953-54. Two semester hours.

421 Teachers' Workshop in Dramatics

A practical workshop in the skill of theater production with an emphasis on stagecraft and directing for the high school teacher who has had no formal training in theater.

Not offered 1953-54. Four semester hours.

441 Utilization of Radio and Recordings in the Classroom

An exhaustive study will be made of the sources of radio programs and transcriptions available to supplement other teaching aids. The group will study methods of preparation for utilization, techniques of class-listening, and follow-up procedures. Each student will be given an individual utilization project. Resource persons will be brought in.

Second semester. Mr. Garneau. Two semester hours.

442 Teachers' Workshop in Radio

A practical workshop in radio with emphasis upon the use of radio equipment. Planning program series, directing radio production, and editing radio scripts.

Summer session. Mr. Garneau. Four semester hours.

451 Basic Voice and Speech Science

This course is for students majoring in speech or speech-correction. Topics considered include: anatomy and physiology of hearing; speech and hearing; anatomy and physiology of articulation and phonation; the neurological organization of the speech function; the physics and physiology of quality, pitch, and intensity; and the psychology of speech. Prerequisite: Fundamentals of Speech 105A, B.

First semester. Dr. Van Riper. Three semester hours.

452 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 251.

Summer session. Dr. Sheehan. Second semester. Dr. Van Riper. Three semester hours.

453 Applied Speech Correction

This course is for students interested in the actual practice of speech correction. The course will involve training in the remedial treatment of speech defectives in the college clinic and schools associated with the college, service in a traveling speech clinic, and the study of the principles of clinical practice. Prerequisite: Fundamentals of Speech 105A, B, Principles of Speech Correction 251, and consent of instructor.

Each semester. Dr. Van Riper. Three semester hours.

456 Speech Therapy

This course is intended to give intensive training in techniques of speech therapy for disorders of phonation, delayed speech, dyslalia, stuttering and aphasia. Permission of instructor.

Not offered 1953-54. Two semester hours.

VOCATIONAL EDUCATION DIVISION

FOR GRADUATES AND UPPERCLASSMEN

470 Principles of Practical Arts and Vocational Education

The place and function of the practical arts and vocational education in the modern school; fundamental principles upon which this work is based. For teachers of agriculture, business, home economics, industrial subjects, and administrators.

Summer session. Dr. Kohrman. Two semester hours.

VOCATIONAL INDUSTRIAL & TECHNICAL EDUCATION OPEN TO GRADUATES

512 Seminar in Vocational Education

This course is planned especially for teachers, coordinators, and

administrators working toward a master's degree in vocational education.

Second semester. Dr. Kohrman and Dr. Giachino. Two semester hours.

573 Instructional Aids

Methods of selecting, constructing, and using effectively appropriate aids in various industrial arts and vocational teaching situations.

Not offered 1953-54. Two semester hours.

575 Curriculum Construction in Industrial Arts and Vocational Education

Deals with the study of bases for determining subject matter to be taught and its content and scope for varying grade levels. Devotes special attention to subjects, their relations with other subjects, and their arrangement into curricular form.

Summer session. Dr. Giachino. Two semester hours.

578 Administration and Supervision of Practical Arts and Vocational Education

The functions of administration and supervision; problems involved in the organization and operation of practical arts and vocational education programs. For administrators, supervisors of vocational education, and those wishing to prepare for such positions.

Second semester. Dr. Giachino. Two semester hours.

582 Special Problems in Vocational Education

This course provides for the study and organization of a specific teaching problem in vocational education. The student will select a suitable problem, develop material for it, and organize it for instructional purposes.

Each semester. Dr. Giachino. Two semester hours.

FOR GRADUATES AND UPPERCLASSMEN

412 Radio and Television

A course dealing with the basic principles of radio and television. Each student will be expected to develop the necessary instructional material for use in a teaching situation.

Not offered 1953-54. Two semester hours.

422 Automotive Transportation Workshop

A study of current maintenance procedure and methods of handling specialized equipment in diagnosing and serving automobiles. Instructional material will be developed for use in teaching automotive courses in junior and senior high schools.

Summer session. Mr. Ellinger. Two semester hours.

424 Automotive Diagnosis and Correction Workshop

This course deals with the correct usage of testing equipment for locating and correcting automotive engine malfunctions. It is designed particularly for teachers of auto mechanics.

Post-summer session. One semester hour. Enrollment is through the Extension Division.

430 Materials of Construction

Various types of ferrous and non-ferrous metals, woods, cement, and plastic will be tested with precision testing equipment. Characteristics of these materials will be studied and their suitability and application determined for fabricating processes.

Not offered 1953-54. Two semester hours.

460 Cooperative Education in the Secondary School

This course deals with the nature and purposes of cooperative education in the secondary schools. Problems and procedures involved in the organization and operation of cooperative work-study programs are discussed. Especially designed for coordinators.

First semester. Dr. Kohrman. Two semester hours.

472 Course Planning and Construction

Principles and techniques of selecting and analyzing suitable teaching activities and arranging such material into a functional instructional order. Instructional units prepared will be based on an analysis of a trade, occupation or activity. Opportunity will be provided to prepare a detailed course of study.

Summer session. Dr. Giachino. Two semester hours.

474 Testing and Grading

A study of the technique for preparing and using correctly written and practical tests. Attention will be given to interpretation of test results and grading student achievement.

Not offered 1953-54. Two semester hours.

476 History and Philosophy of Industrial Education

Development of industrial education in America, with special attention to European influences, experiments, industrial developments, and theories. Gives particular attention to the developments leading to modern practices in industrial arts as well as in vocational-industrial education.

Not offered 1953-54. Two semester hours.

477 Welding for Teachers

Instruction will cover oxy-acetylene, DC and AC arc, Heli-arc, and Atomic-Hydrogen welding. Attention will be given to organizing instructional material for setting up welding units in junior and senior high school shop classes.

Summer session. Mr. Ring. Two semester hours.

GRADUATE CURRICULA

Each candidate for the master's degree must select from the following curricula the one which most closely meets his purpose and must submit with the application for candidacy an individual program of studies which follows this selected curriculum. Each curriculum is set up in terms of the candidate's vocational objective and is under the direction of a graduate adviser who is available for conference with the student and will approve the program of studies.

Each curriculum consists of three groups of courses: (1) a minimum of ten hours of required courses in the Department of Education, (2) a minimum of ten hours of courses outside the Department of Education, and (3) ten hours of courses from any department giving graduate credit. The minimum requirement for the degree is thirty hours.

The curricula have been drawn up with a view to providing a program of courses which have a high degree of functional value and to assure as much flexibility as is possible while at the same time providing that the minimum requirements are satisfied. Some of the courses named may not be given every semester or summer session. Some of the courses listed may cover work already taken previously or at the advanced undergraduate level. With the approval of the adviser, substitution may be made when necessary, providing the general requirements for the master's degree are satisfied. Additional courses may be offered at a later date and may be approved for inclusion in a given curriculum. In general, the adviser will be free to approve such a program of study for the individual that will best satisfy his professional and personal needs.

Personality growth, in both depth and breadth, and the development of professional abilities are closely related and are highly important in the education of teachers, supervisors, administrators, guidance specialists, and other school personnel. Through counseling, Curriculum Advisers should encourage graduate students to choose courses which meet their individual needs, both cultural and professional. Courses and experiences should be chosen which will help the graduate student to become a more mature, more significant, and more professionally proficient person—with broader human sympathies, finer artistic appreciations, more adequate knowledge, greater professional skills, increased ability to analyze and interpret life situations, and greater insight into problems involved in professional leadership.

CURRICULUM DEVELOPMENT AND COORDINATION

ORIE FREDERICK, Adviser

This curriculum is designed for elementary and secondary school teachers who are or plan to become chairmen of curriculum committees, heads of departments, supervisors of instruction, curriculum coordinators, curriculum consultants, or curriculum directors. The purpose of this curriculum is to prepare graduate students with teaching experience for leadership of teachers in improving the school experiences of children and youth.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of Amer. Education
	504	Educational Psychology

Electives in Education: (Elect two) 4 hours

Courses suggested for consideration:

Education	410	Parent Education
	411A	Elementary Curriculum
	411B	Elementary Curriculum
	430	Educational Therapy in Reading
	436	Mental Hygiene of Childhood and Adolescence
	438	Audio-Visual Education
	480	Introduction to Guidance Services
	482	Occupational Information for Counselors and Teachers
	512	Guiding Child Devel. in Elem. School
	513	Elementary School Supervision
	514	Elementary School Administration
	520	Improvement of Teaching in Secondary Schools
	521	Secondary School Curriculum
	522	Core Programs in Secondary Schools
	524	Administration of Secondary Schools
	525	High School Supervision
	530	Improvement of Reading in the Secondary School
	561	Social Interpretation

Courses in Education listed above also may be elected under III A below.

II. Courses Outside the Education Department 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the various divisions of the college. Courses may be chosen from one or more departments or divisions as indicated by the needs of the graduate student in preparing for his or her vocational objective.

III. Courses from Any Department 10 hours

These courses should be selected with the advice and approval of the Curriculum Adviser in such a way as to meet the individual and professional needs of the graduate student. The courses may come from the following areas:

- A. Graduate Courses in Education
(Consider especially courses not previously elected under heading I above)
- B. Graduate Courses from other departments or divisions
(Consider: Sociology 540 Social Dynamics of Human Behavior, Voc. Educ. 470 Prin. of the Practical Arts and Vocational Education)

ELEMENTARY ADMINISTRATION AND SUPERVISION

JOHN A. BUELKE, Adviser

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

- Education 501 Educational Research
- 502 The School Curriculum
- 503 Foundations of Amer. Education
- 504 Educational Psychology

Electives in Education: (Elect two) 4 hours

Courses suggested for consideration:

- Education 410 Parent Education
- 411A Elementary Curriculum
- 411B Elementary Curriculum
- 436 Mental Hygiene of Childhood and Adolescence
- 438 Audio-Visual Education
- 480 Introduction to Guidance Services
- 482 Occupational Information for Counselors and Teachers
- 512 Guiding Child Devel. in Elem. School
- 513 Elementary School Supervision
- 514 Elementary School Administration
- 560 Prin. of Educational Administration
- 561 Social Interpretation
- 610 Seminar in Elementary Education
- 660 Seminar in Educational Administration

Courses in Education listed above also may be elected under III A below.

II. Courses Outside the Education Department 10 hours

These courses may be selected from the graduate offerings of any of the departments, other than Education, with the advice and ap-

proval of the Curriculum Adviser. Some courses suggested for consideration are:

Biology	414	Materials for School Health Education
English	403	Source Materials for Lit. in Elem. Grades
Geography	411	Historical Geography of North America
Ind. Arts	464	Industrial Arts for the Elem. School
Libr.	405	Curriculum Enrichment Materials
Science	503	Teaching of Elementary Science
Sociology	540	Social Dynamics of Human Behavior
Speech	406	Advanced Public Speaking

III. Courses from Any Department 10 hours

The courses in this group must be selected with the advice and approval of the Curriculum Adviser. They should be chosen to meet the individual and professional needs of the graduate student. The courses may come from the following areas:

A. Graduate Courses in Education

(Consider especially courses not previously elected under heading I above and Educ. 600 Thesis in Education)

B. Graduate Courses from other departments or divisions

GENERAL ADMINISTRATION AND SUPERVISION

GEORGE H. HILLIARD, Adviser

I. Courses in Education Department 10 hours

Core Courses (Elect three) 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of Amer. Education
	504	Educational Psychology

Electives in Education: (Elect two) 4 hours

Courses suggested for consideration:

Education	410	Parent Education
	411A	Elementary Curriculum
	411B	Elementary Curriculum
	438	Audio-Visual Education
	451	Philosophy of Education
	480	Introduction to Guidance Services
	512	Guiding Child Devel. in Elem. School
	513	Elementary School Supervision
	514	Elementary School Administration
	520	Improvement of Teaching in Secondary Schools
	521	Secondary School Curriculum
	522	Core Programs in Secondary Schools
	524	Administration of Secondary Schools

525	High School Supervision
560	Principles of Educational Administration
561	Social Interpretation
583	Organ. and Admin. of Guidance Programs
660	Seminar in Educational Administration

Courses in Education listed above also may be elected under III A below.

II. Courses Outside the Education Department . . . 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the various divisions of the college. Courses may be chosen from departments or divisions as indicated by the needs of the graduate student.

Following are a few suggestions:

Sociology	540	Social Dynamics of Human Behavior
Speech	406	Advanced Public Speaking
Voc. Educ.	470	Prin. of the Practical Arts and Vocational Education

III. Courses from Any Department . . . 10 hours

These courses should be selected with the advice and approval of the Curriculum Adviser in such a way as to meet the individual and professional needs of the graduate student. The courses may come from the following areas:

A. Graduate Courses in Education

(Consider especially courses not previously elected under heading I above and Educ. 600 Thesis in Education)

B. Graduate Courses from other departments or divisions

GUIDANCE

ARTHUR J. MANSKE, Adviser

Graduate students who are or plan to be guidance directors or guidance coordinators should elect five or six courses in guidance. Teachers of core courses and elementary and secondary school teachers who devote or plan to devote part time to counseling should elect at least three courses in guidance.

I. Courses in Education Department . . . 10 hours

Core Courses: (Elect three) . . . 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of Amer. Education
	504	Educational Psychology

Electives in Education: (Elect two) . . . 4 hours

Courses suggested for consideration:

Education	410	Parent Education
	411A	Elementary Curriculum
	411B	Elementary Curriculum
	436	Mental Hygiene of Childhood and Adolescence
	438	Audio-Visual Education
	480	Introduction to Guidance Services
	481	Techniques of Guidance
	482	Occupational Information for Counselors and Teachers
	514	Elementary School Administration
	521	Secondary School Curriculum
	522	Core Programs in Secondary Schools
	524	Administration of Secondary Schools
	581	Interpretation and Use of Tests in Guidance
	583	Organ. and Admin. of Guidance Program
	680	Seminar in Guidance

Courses in Education listed above also may be elected under III A below.

II. Courses Outside the Education Department . . . 10 hours

These courses should be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the various departments and divisions of the college in such a way as to meet the individual needs and interests of the graduate student. Usually courses in psychology, sociology, and economics give one a better understanding of guidance problems.

Some specific courses suggested for consideration are:

Sociology	540	Social Dynamics of Human Behavior
Speech	406	Advanced Public Speaking
Voc. Educ.	470	Prin. of the Practical Arts and Vocational Education

III. Courses from Any Department . . . 10 hours

The courses in this group must be selected with the advice and approval of the Curriculum Adviser, and should be chosen to meet the personal and professional needs of the student. They may consist of graduate courses from the following areas:

- A. Graduate Courses in Education (Consider especially courses not previously elected under heading I above)
- B. Graduate Courses in other departments or divisions

SCHOOL LIBRARIANSHIP

ALICE LOUISE LEFEVRE, Adviser

This curriculum is planned to prepare candidates for administration and supervision of libraries in elementary and secondary schools and to provide opportunity for prospective teachers and school administrators to study patterns of library service to schools and the role of the library in the school curriculum.

I. Courses in Education Department 10 hours

Core Courses (Elect three) 6 hours

Education	501	Educational Research	
	502	The School Curriculum	
	503	Foundations of Amer. Education	
	504	Educational Psychology	

Electives in Education (Elect two) 4 hours

(It is suggested that the student elect 438 Audio-Visual Education, unless he has already had this course or its equivalent)

II. Courses in Librarianship 10 hours

Required:

Libr.	403	Selection of Reading Materials	2 hours
	411	Reference Service	2 hours
	470	Introduction to Classification and Cataloging	4 hours
	561	Seminar on Admin. Problems of School Libraries	2 hours

III. Courses from Any Department 10 hours

Graduate courses from various departments according to needs of individual student upon recommendation of Curriculum Adviser.

Courses recommended are:

Libr.	*402	Reading Interests of Youth	2 hours
	*405	Curriculum Enrichment Materials	2 hours
	*406	Storytelling	2 hours
	*509	History of Books and Printing	2 hours
	562	The Library in the Modern Community	2 hours
	570	Classification and Cataloging	2 hours
English	403	Source Materials for Lit. in Elem. Grades	2 hours

NOTE:

1. Candidates in this curriculum are required to have ten semester hours in preliminary library science either in the undergraduate program or its equivalent in courses which include basic principles of selection, organization and administration of library materials and use of reference books. The program of study for each student will be developed on the basis of his needs, pur-

- pose, and previous training.
2. Candidates who wish to write a thesis may elect Education 600 in place of one of the electives in Group I and two of the electives in Group III.
 3. Starred courses may be elected by students majoring in fields other than librarianship.
 4. Candidates in the librarianship curriculum are required to spend some time in field work in selected school libraries. This is to be arranged on an individual basis with the Director of the Department of Librarianship.

SECONDARY SCHOOL ADMINISTRATION AND SUPERVISION

ROY C. BRYAN, Adviser

I. Courses in Education Department		10 hours
Core Courses: (Elect three)		6 hours
Education	501 Educational Research	
	502 The School Curriculum	
	503 Foundations of Amer. Education	
	504 Educational Psychology	
Electives in Education: (Elect two)		4 hours
Courses suggested for consideration:		
Education	410 Parent Education	
	436 Mental Hygiene of Childhood and Adolescence	
	438 Audio-Visual Education	
	480 Introduction to Guidance Services	
	481 Techniques of Guidance	
	482 Occupational Information for Counselors and Teachers	
	520 Improvement of Teaching in Secondary Schools	
	521 Secondary School Curriculum	
	522 Core Programs in Secondary Schools	
	524 Administration of Secondary Schools	
	525 High School Administration	
	530 Improvement of Reading in Secondary Schools	
	561 Social Interpretation	
	581 Inter. and Use of Tests in Guidance	
	583 Organ. and Admin. of Guidance Program	
	610 Seminar in Secondary Education	
	660 Seminar in Educational Administration	

Courses in Education listed above also may be elected under III A below.

II. Courses Outside the Education Department 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the various divisions of the college. Courses may be chosen from departments or divisions as indicated by the needs of the graduate student.

Following are a few suggestions:

Sociology	540	Social Dynamics of Human Behavior
Speech	406	Advanced Public Speaking
Voc. Educ.	470	Prin. of the Practical Arts and Vocational Education

III. Courses from Any Department 10 hours

These courses should be selected with the advice and approval of the Curriculum Adviser in such a way as to meet the individual and professional needs of the graduate student. The courses may come from the following areas:

A. Graduate Courses in Education

(Consider especially courses not previously elected under heading I above and Educ. 600 Thesis in Education)

B. Graduate Courses from other departments or divisions

SPECIAL EDUCATION

MANLEY M. ELLIS, Adviser

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of Amer. Education
	504	Educational Psychology

Required Courses in Education: 4 hours

431	The Education of Exceptional Children
436	Mental Hygiene of Childhood and Adolescence

II. Courses Outside the Education Department 10 hours

Required Courses in Industrial Arts: 4 hours

463	Arts and Crafts for Teachers
464	Industrial Arts for the Elementary School

The following are especially recommended:

Sociology	442	Social Pathology and Personal Deviation
	464	Adv. Studies in Juvenile Delinquency
	540	Social Dynamics of Human Behavior

Psychology	405	The Deviant Individual
	407	Mental Testing

III. Courses from Any Department 10-16 hours

Education	570	Directed Teaching	4 hours
(Must be done in the field of special education in which the student intends to teach.)			

Specific Courses

Education and other departments:

- A. Teachers of Crippled Children 6 hours
- B. Teachers of Deaf and Hard-of-Hearing Children 12 hours
- C. Teachers of Blind Children 8 hours
- D. Teachers of Partially Seeing Children 8 hours
- E. Teachers of Epileptic Children 4 hours
- F. Teachers of Children of Lowered Vitality 4 hours
- G. Teachers of Homebound Children 4 or 6 hours
(Teachers of homebound children should qualify in the education either of crippled children or of those of lowered vitality.)
- H. Teachers of Socially Maladjusted Children 6 hours
- I. Teachers of Mentally Handicapped Children 8 hours
 - Educ. 432 Education and Control of Mental Deviates
 - 434 Mental Deficiency
 - 437 Methods of Teaching Mentally Handicapped Children

NOTES:

1. In electing Specific Courses the student will follow directions, under guidance, of latest edition of Michigan State Department of Public Instruction Bulletin, "Educational Requirements for Teachers of Exceptional Children," pp. 2, 3. Specific courses for all categories, except Teachers of Mentally Handicapped Children, must be taken at other approved colleges under combined guidance of counselors at the college selected and at Western Michigan College.
2. Certain courses in Group II may be substituted for those named if such courses are equivalent to those listed on p. 4, "Educational Requirements for Teachers of Exceptional Children."
3. If the student has acceptable undergraduate credit in, or equivalent of, any of the above, except the three required core courses, he may, under guidance, substitute other courses for those named.
4. In some cases where the student can produce evidence of several years of successful teaching of the type of handicapped children he is preparing to teach, he may be allowed to substitute, under guidance, other courses for 570 Directed Teaching.

TEACHING IN THE ELEMENTARY SCHOOL

JAMES H. GRIGGS, Adviser

I. Courses in Education Department . . . 10 hours

Core Courses (Elect three) . . . 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of Amer. Education
	504	Educational Psychology

Electives in Education: (Elect two) . . . 4 hours

Courses suggested for consideration:

Education	410	Parent Education
	411A	Elementary Curriculum
	411B	Elementary Curriculum
	430	Educational Therapy in Reading
	436	Mental Hygiene of Childhood and Adolescence
	438	Audio-Visual Education
	480	Introduction to Guidance Services
	512	Guiding Child Devel. in Elem. School
	513	Elementary School Supervision
	514	Elementary School Administration

Courses in Education listed above also may be elected under III A below.

II. Courses Outside the Education Department . . . 10 hours

These courses may be selected from the offerings of any of the departments, other than Education, with the advice and approval of the Curriculum Adviser. Some courses suggested for consideration by the student because of their close relationship to the elementary school program are:

Biology	414	Materials for School Health Education
English	403	Source Materials for Lit. in Elem. Grades
Geography	411	Historical Geography of North America
Ind. Arts	464	Industrial Arts for the Elem. School
Libr.	405	Curriculum Enrichment Materials
Science	503	Teaching of Elementary Science
Sociology	540	Social Dynamics of Human Behavior
Speech	405	Speech for the Classroom Teacher

III. Courses from Any Department . . . 10 hours

The courses in this group must be elected with the advice and approval of the Curriculum Adviser. They should be chosen to meet the personal, cultural, and professional needs of elementary school teachers. They may come from the following areas:

A. Graduate Courses in Education

(Consider especially courses not previously elected under heading I above)

B. Graduate Courses from other departments or divisions

TEACHING OF ART

LYDIA SIEDSCHLAG, Adviser

Students in this curriculum must have completed at least twenty-five semester hours of undergraduate courses in Art, or the equivalent.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

- | | | |
|-----------|-----|--------------------------------|
| Education | 501 | Educational Research |
| | 502 | The School Curriculum |
| | 503 | Foundations of Amer. Education |
| | 504 | Educational Psychology |

Electives in Education (Elect two) 4 hours

Courses suggested for consideration:

- | | | |
|-----------|-----|--|
| Education | 410 | Parent Education |
| | 436 | Mental Hygiene of Childhood and Adolescence |
| | 438 | Audio-Visual Education |
| | 449 | Education in the Air Age |
| | 480 | Introduction to Guidance Services |
| | 520 | Improvement of Teaching in Secondary Schools |
| | 521 | Secondary School Curriculum |
| | 522 | Core Programs in Secondary Schools |
| | 524 | Administration of Secondary Schools |
| | 525 | High School Supervision |
| | 530 | Improvement of Reading in Secondary Schools |
| | 531 | Clinical Study of Exceptional Children |
| | 561 | Social Interpretation |

Courses in Education listed above also may be elected under III A below.

II. Courses in Fine Arts and Practical Arts 10 hours

Unless taken previously, the following courses in the Art Department are required:

- | | | |
|-----|-----|-------------------------|
| Art | 410 | Painting |
| | 414 | Advanced Commercial Art |
| | 441 | Art Supervision |

The remainder of the ten hours may be chosen from the following courses:

- | | | |
|------------|--|-------------------------|
| Art | Other art courses when added to graduate offerings | |
| Home Econ. | 439 | Consumer Buying |
| Ind. Arts | 405A | Problems in Woodworking |
| | 405B | Problems in Woodworking |
| O. T. | 425 | Ceramics and Jewelry |

III. Courses from Any Department 10 hours

These courses must be elected with the advice and approval of

the Curriculum Adviser. They may be chosen from the following areas:

- A. Graduate Courses in Education
(Consider courses not previously elected under heading I above)
- B. Graduate Courses from other departments or divisions
(Consider:
Courses not previously elected under heading II above
Econ. 425 Consumption and Standards of Living
Soc. 540 Social Dynamics of Human Behavior
Speech 405 Speech for the Classroom Teacher
Courses in literature, sciences, and social sciences)

TEACHING OF BUSINESS EDUCATION

ARNOLD E. SCHNEIDER, Adviser

- I. Courses in Education Department 10 hours
 - Core Courses: (Elect three) 6 hours
 - Education 501 Educational Research
 - 502 The School Curriculum
 - 503 Foundations of Amer. Education
 - 504 Educational Psychology
 - Electives in Education: (Elect two) 4 hours
 - Courses suggested for consideration:
 - Education 410 Parent Education
 - 436 Mental Hygiene of Childhood and Adolescence
 - 438 Audio-Visual Education
 - 480 Introduction to Guidance Services
 - 520 Improvement of Teaching in Secondary Schools
 - 521 Secondary School Curriculum
 - 522 Core Programs in Secondary Schools
 - 524 Administration of Secondary Schools
 - 525 High School Supervision
 - 530 Improvement of Reading in Secondary Schools
 - 561 Social Interpretation

Courses in education listed above also may be elected under III A below.

II. Courses in Business Studies 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those courses approved for graduate work in Business Studies. Courses may be selected from such areas as accounting, general business, sales, office training, and methods in business education.

III. Courses from Any Department 10 hours

Students should elect 470 Principles of Practical Arts and Vocational Education unless waived by the Curriculum Adviser.

Courses may be elected from any or all of the following three fields to meet the needs of the individual student:

- A. Graduate Courses in Education
(Consider courses not previously elected under heading I above)
- B. Graduate Courses in Business Studies
- C. Graduate Courses in other departments or divisions

TEACHING OF DISTRIBUTIVE EDUCATION

GEORGE E. KOHRMAN, Adviser

Students desiring to work toward the degree of Master of Arts with specialization in Distributive Education must qualify for a vocational certificate as a coordinator in the field of Distributive Occupations.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

- | | | |
|-----------|-----|--------------------------------|
| Education | 501 | Educational Research |
| | 502 | The School Curriculum |
| | 503 | Foundations of Amer. Education |
| | 504 | Educational Psychology |

Elective in Education: (Elect two) 4 hours

Courses suggested for consideration:

- | | | |
|-----------|-----|--|
| Education | 410 | Parent Education |
| | 436 | Mental Hygiene of Childhood and Adolescence |
| | 438 | Audio-Visual Education |
| | 480 | Introduction to Guidance Services |
| | 520 | Improvement of Teaching in Secondary Schools |
| | 521 | Secondary School Curriculum |
| | 522 | Core Programs in Secondary Schools |
| | 524 | Administration of Secondary Schools |
| | 525 | High School Supervision |
| | 530 | Improvement of Reading in Secondary Schools |
| | 561 | Social Interpretation |

Courses in Education listed above also may be elected under III A below.

II. Courses in Distributive Education 10 hours

- | | | |
|--------------|-----|---|
| Voc. Educ. | 470 | Principles of the Practical Arts and Vocational Education |
| Distr. Educ. | 410 | Organization and Operation of Distributive Education |

- 420 Teaching Techniques in Distributive Education
- 425 Instructional Materials in Distributive Education
- 430 Coordination Techniques in Distributive Education

(If any of the above courses have been taken previously, other courses in Distributive Education may be selected upon the advice of the Curriculum Adviser.)

III. Courses from Any Department 10 hours

If not taken previously:

- Distr. Educ. 400A Store Laboratory Experience
- 400B Store Laboratory Experience

The remaining courses must be selected with the advice of the Curriculum Adviser. They may be chosen from the following areas:

- A. Graduate Courses in Education
(Consider courses not previously elected under heading I above)
- B. Graduate Courses in other departments or divisions

TEACHING OF HOME ECONOMICS

SOPHIA REED, Adviser

Students who desire to work toward the master's degree with specialization in the teaching of home economics subjects must have completed a major or minor in this field.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

- Education 501 Educational Research
- 502 The School Curriculum
- 503 Foundations of Amer. Education
- 504 Educational Psychology

Electives in Education: (Elect two) 4 hours

Courses suggested for consideration:

- Education 410 Parent Education
- 436 Mental Hygiene of Childhood and Adolescence
- 438 Audio-Visual Education
- 480 Introduction to Guidance Services
- 520 Improvement of Teaching in Secondary Schools
- 521 Secondary School Curriculum
- 522 Core Programs in Secondary Schools
- 524 Administration of Secondary Schools
- 525 High School Supervision
- 530 Improvement of Reading in Secondary Schools

561 Social Interpretation

Courses in Education listed above also may be elected under heading III below.

II. Courses in Home Economics 10 hours

Voc. Educ. 470 Prin. of the Practical Arts and Vocational Education

The other eight hours must be selected with the advice and approval of the Curriculum Adviser from those courses approved for graduate study in the Home Economics Department.

III. Courses from Any Department 10 hours

The courses in this group must be selected with the advice and approval of the Curriculum Adviser and should be chosen with reference to the individual needs and vocational objective of the student. Along with other courses suggested by the graduate student, the following courses should be considered:

Art	441	Supervision of Art
Economics	425	Economics and Standards of Living
Education courses	listed under heading I above	
English	421	American Literature
Home Economics	courses not chosen under heading II above	
Ind. Arts	463	Arts and Crafts for Teachers
O. T.	425	Ceramics and Jewelry
Sociology	540	Social Dynamics of Human Behavior
	543	Advanced Population Studies
	547	Advanced Studies in the Family
Speech	405	Speech for the Classroom Teacher
	441	Utilization of Radio and Recordings in the Classroom

TEACHING OF INDUSTRIAL EDUCATION

GEORGE E. KOHRMAN, Adviser

This curriculum is planned for students who wish to work toward the master's degree with specialization in Industrial Education. Specifically, this curriculum is designed for teachers and supervisors of industrial arts subjects, and vocational-industrial teachers, supervisors, and coordinators.

Students who plan to work towards the master's degree in this curriculum, Industrial Education, must have completed at least a minor in undergraduate courses in this field. Individuals having the necessary business and industrial experience to qualify for a vocational certificate as coordinator of a part-time cooperative program in diversified occupations may enroll for work under this curriculum.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

Education 501 Educational Research

	502	The School Curriculum	
	503	Foundations of Amer. Education	
	504	Educational Psychology	
Electives in Education: (Elect two)			4 hours
Courses suggested for consideration:			
Education	410	Parent Education	
	436	Mental Hygiene of Childhood and Adolescence	
	438	Audio-Visual Education	
	480	Introduction to Guidance Services	
	482	Occupational Information for Counselors and Teachers	
	520	Improvement of Teaching in Secondary Schools	
	521	Secondary School Curriculum	
	522	Core Programs in Secondary Schools	
	524	Administration of Secondary Schools	
	525	High School Supervision	
	530	Improvement of Reading in Secondary Schools	
	561	Social Interpretation	

Courses in Education listed above also may be elected under III A below.

II. Courses in Industrial Education 10 hours

Voc. Educ.	470	Prin. of the Practical Arts and Vocational Education	
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The other eight hours must be selected with the advice and approval of the Curriculum Adviser from those courses approved for graduate study in Industrial Education.

III. Courses from Any Department 10 hours

The courses in this group must be elected with the advice and approval of the Curriculum Adviser. These courses may be chosen from the following areas:

- A. Graduate Courses in Education
(Consider courses not previously elected under heading I above)
- B. Graduate Courses in Industrial Education (Both shop work and professional courses)
- C. Graduate Courses from other departments or divisions

TEACHING OF LITERATURE AND LANGUAGE

WILLIAM R. BROWN, Adviser

This curriculum is planned to prepare teachers of the Language Arts for Secondary Schools. Students who elect this program should

have a good foundation in Literary Interpretation, and in English and American Literature.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

- | | | |
|-----------|-----|--------------------------------|
| Education | 501 | Educational Research |
| | 502 | The School Curriculum |
| | 503 | Foundations of Amer. Education |
| | 504 | Educational Psychology |

Electives in Education: (Elect two) 4 hours

Courses suggested for consideration:

- | | | |
|-----------|-----|--|
| Education | 410 | Parent Education |
| | 436 | Mental Hygiene of Childhood and Adolescence |
| | 438 | Audio-Visual Education |
| | 480 | Introduction to Guidance Services |
| | 520 | Improvement of Teaching in the Secondary Schools |
| | 521 | Secondary School Curriculum |
| | 522 | Core Programs in Secondary Schools |
| | 524 | Administration of Secondary Schools |
| | 525 | High School Supervision |
| | 530 | Improvement of Reading in Secondary Schools |
| | 561 | Social Interpretation |

Courses in Education listed above also may be elected under III A below.

II. Courses in English, Languages, and Speech 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the Division of Languages and Literature. The Division includes the Departments of English, Languages, and Speech. For descriptions of available courses, see pages 31, 41 and 58.

III. Courses from Any Department 10 hours

All courses in this group must be elected with the advice and approval of the Curriculum Adviser. They should be chosen with reference to the student's particular needs, and may come from the following areas:

- A. Graduate Courses in Education
(Consider courses not previously elected under heading I above)
- B. Graduate Courses in English, Languages, and Speech
- C. Graduate Courses in the Social Sciences
(Consider: Sociology 540 Social Dynamics of Human Behavior)
- D. Graduate Courses from other departments or divisions

TEACHING OF MUSIC

ELWYN F. CARTER, Adviser

This curriculum is designed for students who wish to continue their studies in the field of Music Education. Opportunity is provided for the student to do graduate study along the lines of his individual needs.

The student should have graduated with a Music major in his undergraduate degree to obtain permission to work for the master's degree in this curriculum. If the student lacks the necessary preparation to enter courses on the graduate level he may be required to enroll for certain undergraduate courses.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

- Education 501 Educational Research
- 502 The School Curriculum
- 503 Foundations of Amer. Education
- 504 Educational Psychology

Electives in Education: (Elect two) 4 hours

II. Courses in the Music Department 10 hours

Unless taken previously, the following courses in the Music Department are required:

- Music 401 History and Philosophy of Music Education
- 403 Psychology of Music Education
- 560 Music Seminar

The remainder of the ten hours should be selected with the advice and approval of the Curriculum Adviser from courses approved for graduate study in the Music Department, keeping in mind individual and professional needs.

III. Courses from Any Department 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser, and should be chosen in terms of the individual and professional needs of the student. The courses may come from the following areas:

- A. Graduate Courses in Education
- B. Graduate Courses in Music
(At least four semester hours must be selected from Music courses)
- C. Graduate Courses from other departments or divisions

TEACHING OF OCCUPATIONAL THERAPY

MARION R. SPEAR, Adviser

This course is designed to give a master's degree to Occupational Therapists who can present a bachelor's degree in an allied field, and

who desire advanced training to prepare them to train and teach Occupational Therapists or to qualify themselves for administrative positions.

I. Courses in Education Department . . . 10 hours

Core Courses: (Elect three) . . . 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of American Education
	504	Educational Psychology

Electives in Education: (Elect two) . . . 4 hours

Courses suggested for consideration:

Education	436	Mental Hygiene of Childhood and Adolescence
	432	Education and Control of Mental Deviates
	438	Audio-Visual Education
	480	Introduction to Guidance Services
	512	Guiding Child Development in the Elem. School
	561	Social Interpretation

Courses in Education listed above also may be elected under heading III below.

II. Courses in the Occupational Therapy Department . 10 hours

The student will select 10 hours from courses approved for graduate study in the Occupational Therapy Department, according to previous experience and needs.

III. Courses from Any Department . . . 10 hours

The selection of courses in this group must be made with the advice and approval of the Curriculum Adviser, and should be based on the professional experience and needs of the therapist. Some typical recommended electives are:

Bus. Studies	436	Personnel Administration
	414	Advanced Commercial Art
Art	410	Painting
Education courses	listed under heading I above	
Home Econ.	404	Tailoring
Ind. Arts	580	Special Problems in Industrial Arts
Phys. Educ.	540	Corrective Therapy and Rehabilitation
Psychology	405	Deviant Individual
	408	Survey of Personnel Psychology
Sociology	442	Social Pathology and Personal Deviation
Speech	452	Stuttering and Allied Disorders
Courses from the social sciences and literature		

Other courses from any department or division of the college may be suggested by the graduate student for consideration.

TEACHING OF PHYSICAL EDUCATION

MITCHELL J. GARY, Adviser

This curriculum is planned for both men and women who wish to specialize in physical education. Students in this curriculum must have completed at least a minor in undergraduate courses in physical education or the equivalent.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of Amer. Education
	504	Educational Psychology

Electives in Education: (Elect two) 4 hours

Courses suggested for consideration:

Education	410	Parent Education
	411A	Elementary Curriculum
	411B	Elementary Curriculum
	436	Mental Hygiene of Childhood and Adolescence
	438	Audio-Visual Education
	480	Introduction to Guidance Services
	481	Techniques of Guidance
	512	Guiding Child Devel. in Elem. School
	513	Elementary School Supervision
	514	Elementary School Administration
	520	Improvement of Teaching in Secondary Schools
	521	Secondary School Curriculum
	522	Core Programs in Secondary Schools
	524	Administration of Secondary Schools
	525	High School Supervision
	530	Improvement of Reading in Secondary Schools
	560	Principles of Educational Administration
	561	Social Interpretation

Courses in Education listed above also may be elected under III A below.

II. Courses in the Division of

Physical Education, Health, and Recreation 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the Division of Physical Education, Health, and Recreation. For description of available courses see pages 48, 49 and 17.

III. Courses from Any Department 10 hours

These courses should be selected with the advice and approval of the Curriculum Adviser in such a way as to meet the individual and

professional needs of the graduate student. The courses may come from the following areas:

- A. Graduate Courses in Education
(Consider especially courses not previously elected under heading I above)
- B. Graduate Courses in Physical Education, Health, and Recreation
- C. Graduate Courses from other departments or divisions
(Consider:
 - Biology 414 Materials for School Health Education
 - Soc. 446 Advanced Studies in Juvenile Delinquency
 - 540 Social Dynamics of Human Behavior
 - Speech 406 Advanced Public Speaking)

TEACHING OF SCIENCE AND MATHEMATICS

GERALD OSBORN, Adviser

This curriculum is planned for students whose teaching interests lie in one or more fields of the Division of Science and Mathematics, namely: Biology, Chemistry, Geography and Geology, Mathematics, Physics, and Psychology.

A student wishing to work toward the master's degree in this curriculum must have completed at least a minor in one of the departments mentioned above or must have satisfied a group minor in the Division of Science and Mathematics. If a student lacks the background knowledge required for a given course, he may be asked to audit a prerequisite course.

I. Courses in Education Department 10 hours

Core Courses: (Elect three) 6 hours

- Education 501 Educational Research
- 502 The School Curriculum
- 503 Foundations of Amer. Education
- 504 Educational Psychology

Electives in Education: (Elect two) 4 hours

Courses suggested for consideration:

- Education 410 Parent Education
- 436 Mental Hygiene of Childhood and Adolescence
- 438 Audio-Visual Education
- 480 Introduction to Guidance Services
- 520 Improvement of Teaching in the Secondary Schools
- 521 Secondary School Curriculum
- 522 Core Programs in Secondary Schools
- 524 Administration of Secondary Schools
- 525 High School Supervision

- 530 Improvement of Reading in the Secondary School.
 561 Social Interpretation

Courses in Education listed above also may be elected under III A below.

II. Courses in the Division of Science and Mathematics 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the Division of Science and Mathematics. They may be taken in one department or spread over two departments in the division. 401 Teaching of Secondary Mathematics, 571 The Teaching of Science, or any other graduate course in methods listed in this division may be included.

III. Courses from Any Department . . . 10 hours

The courses in this group must be elected with the advice and approval of the Curriculum Adviser and should be chosen with reference to the individual needs of the student. They may come from the following areas:

- A. Graduate Courses in Education
- B. Graduate Courses in Science and Mathematics
- C. Graduate Courses from other divisions
 (Consider: Sociology 540, Social Dynamics of Human Behavior)

TEACHING OF THE SOCIAL SCIENCES

LEONARD C. KERCHER, Adviser

This curriculum is designed for students whose professional interests lie in one or more of the fields comprising the Division of Social Sciences, viz.: Economics, History, Philosophy, Political Science, and Sociology. It provides for a flexible program of graduate study adjustable to the needs of the individual student.

For permission to work for the master's degree in this curriculum the student must present at least twenty semester hours of undergraduate work in the combined fields of Economics, History, Philosophy, Political Science, and Sociology. If the student lacks the necessary preparation to enter courses on the graduate level, he may be required by the department concerned to audit background courses.

I. Courses in Education Department . . . 10 hours

Core Courses: (Elect three) . . . 6 hours

- Education 501 Educational Research
- 502 The School Curriculum
- 503 Foundations of Amer. Education
- 504 Educational Psychology

Electives in Education: (Elect two) . . . 4 hours

Courses suggested for consideration:

- Education 410 Parent Education

436	Mental Hygiene of Childhood and Adolescence
438	Audio-Visual Education
480	Introduction to Guidance Services
520	Improvement of Teaching in Secondary Schools
521	Secondary School Curriculum
522	Core Programs in Secondary Schools
524	Administration of Secondary Schools
525	High School Supervision
530	Improvement of Reading in Secondary Schools.
561	Social Interpretation

Courses in Education listed above also may be elected under heading III below.

II. Courses in the Division of Social Sciences . . . 10 hours

These courses must be selected with the advice and approval of the Curriculum Adviser from those approved for graduate study in the Division of Social Sciences. They may be concentrated largely in one department or spread over a maximum of three departments in the Division.

III. Courses from Any Department . . . 10 hours

All courses in this group must be selected with the advice and approval of the Curriculum Adviser, and should be chosen to meet the personal and professional needs of the student. They may consist of graduate courses from the Department of Education, the Division of Social Sciences, or from any other division or department of the college. Social Science 400, Teaching of Social Studies, may be included.

TEACHING OF SPEECH EDUCATION

CHARLES VAN RIPER, Adviser

Students in this curriculum must have completed at least eighteen undergraduate hours in Speech or Speech Correction.

I. Courses in Education Department . . . 10 hours

Core Courses: (Elect three) . . . 6 hours

Education	501	Educational Research
	502	The School Curriculum
	503	Foundations of Amer. Education
	504	Educational Psychology

Electives in Education: (Elect two) . . . 4 hours

Courses suggested for consideration:

Education	431	Education of Exceptional Children
	436	Mental Hygiene of Childhood and Adolescence

- 480 Introduction to Guidance Services
- 481 Techniques of Guidance
- 531 Clinical Study of Exceptional Children

Courses in Education listed above also may be elected under III A below.

II. Courses in the Speech Department . . . 10 hours

(At least one from each sub-group)

- A. Speech
 - 452 Stuttering and Allied Disorders
 - 453 Applied Speech Correction
 - 554 Teaching of Speech Correction
- B. Speech
 - 441 Utilization of Radio and Recordings in the Classroom
 - 442 Teacher's Workshop in Radio
- C. Speech
 - 406 Advanced Public Speaking
 - 408 Direction of Forensic Activities
 - 409 Persuasion

III. Courses from Any Department . . . 10 hours

The following are suggested: (At least one from each sub-group)

- A. Education
 - (Consider courses listed under heading I above and Education 600 Thesis in Education)
- B. Speech
 - 405 Speech for the Classroom Teacher
 - 451 Basic Voice and Speech Science
 - 456 Speech Therapy
 - 555 Public School Speech Correction
- C. Other departments or divisions
 - (Consider:
 - Psych. 410 Learning and Motivation
 - Soc. 442 Social Pathology and Personal Deviation
 - 540 Social Dynamics of Human Behavior)