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GRADUATE DIVISION
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ENTERED AS SECOND-CLASS MATTER AT THE POST OFFICE AT ANN ARBOR, MICHIGAN. ISSUED SEMI-WEEKLY BY THE UNIVERSITY OF MICHIGAN.

GRADUATE DIVISION
Michigan State Normal College

YPSILANTI, MICHIGAN
in co-operation with
THE HORACE H. RACKHAM SCHOOL
OF GRADUATE STUDIES
UNIVERSITY OF MICHIGAN

Announcement, Summer, 1949

June 20 to July 29

GENERAL STATEMENT

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 and Michigan State Normal College in planning a program of graduate instruction. According to the action, a Graduate Division, organized and administered in co-operation with the University, has been set up at each of the three teachers colleges and at Michigan State Normal College. Since, by action of the legislature in 1941, the names of the three teachers colleges were changed to Colleges of Education, reference to them in subsequent discussion will be to Colleges of Education instead of to teachers colleges. Furthermore, the term Colleges of Education will refer to all four institutions: Central Michigan College of Education, Northern Michigan College of Education, Western Michigan College of Education, and Michigan State Normal College. All courses given in a Graduate Division of a College of Education are offered by staff members of the University of Michigan and by such staff members of the Colleges of Education as have been given the status of graduate lecturer by the Executive Board of the Graduate School of the University. All courses given in a Graduate Division constitute a part of the regular program of instruction of the University and carry both course and residence credit toward the master's degree. Three types of courses are offered: (1) courses for graduate students only; (2) courses designed for graduate students, but open to well-qualified seniors; (3) senior courses to which graduate students may be admitted, provided extra work is required. All types of courses are approved by the Executive Board of the Graduate School, and in programs of work for all students at least half of the work elected must be in courses open to graduate students only.

ORGANIZATION

The graduate courses for which credit will be given have been selected through co-operation of the Advisory Council of the Colleges of Education and the Graduate Adviser to the Colleges of Education from the University, but these courses are under the control of the Executive Board of the Graduate School of the University of Michigan. The work is conducted as a part of the regular program of the Graduate School. All matters relating to the work should be addressed to the Dean of the Horace H. Rackham School of Graduate Studies, University of Michigan, Ann Arbor, Michigan.

ADMISSION

The privileges of admission are open to students who hold the bachelor's degree, or its equivalent, from schools of recognized standing, and who are otherwise qualified to pursue with profit the work offered.

All matters relating to admission should be taken up by correspondence with the Graduate School of the University of Michigan at least one month in advance of the time of registration. Otherwise, students desiring admission to graduate study may encounter delay in completing their registration, since the office of admissions is at the University of Michigan and not on the campuses of the Colleges of Education.

A student seeking admission must comply with the regulations of the Graduate School, which are as follows:

1. Applications for admission and transcripts of previous work must be in the office of the Graduate School, Ann Arbor, by June 1 for the summer session, by September 1 for the fall semester, and by January 1 for the spring semester, 1949-50. The transcripts should specify degrees obtained, courses completed, scholarship grades attained, and the basis of grading. The applicant for admission, at the time of forwarding his transcripts, should indicate the Graduate Division of the particular College of Education which he wishes to attend. One of the official transcripts submitted will be retained in the Office of the Graduate School at the University; the other transcript will be forwarded for filing to the Chairman of the Advisory Council of the Graduate Division in the specified College of Education.

2. A student who wishes to become an applicant for an advanced degree must indicate a field of specialization in his request for admission to graduate study; a student who is not an applicant for a

degree is held to no special requirement, but he must furnish evidence of graduation from a recognized college.

COURSE REQUIREMENTS

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

The Graduate Divisions of the Colleges of Education will follow general regulations governing programs of work and the election of courses such as exist in the Graduate School of the University. In most cases it will be well for the student to ascertain whether the courses offered at the Colleges of Education will fit into his field of specialization. Such information may be sought through the Graduate School at the University. If necessary, the Graduate School will refer the inquiries to the department of specialization concerned.

STUDENTS PREVIOUSLY ADMITTED

The courses offered are open, not only to students just entering upon a program of advanced study, but also to those who have already completed some of the work for the master's degree at the University. Such students should ascertain in advance if the particular courses offered may be included as a part of their master's program. Such assurance may be obtained by writing to the Horace H. Rackham School of Graduate Studies, Ann Arbor.

DEGREES

All degrees, i.e., Master of Arts or Master of Science, are awarded by the University of Michigan. Students taking work in a Graduate Division of a College of Education shall be permitted to complete such requirements for the master's degree as may be satisfied by courses offered in such division. A minimum of one summer session of full-time work or at least six hours during a single semester on the campus of the University is required of all applicants for the master's degree. If a student completes as much as three-fourths of the requirements for the degree through courses offered in a Graduate Division of a College of Education, this shall be so indicated on the diploma awarded by the University of Michigan.

RESIDENCE REQUIREMENT

The minimum amount of credit which must be earned in residence is eighteen hours. The residence requirement may be met by attendance in: (1) one semester and one summer session; (2) three summer sessions; or (3) one semester or two summer sessions, supplemented by courses in constructive residence, i.e., week-end courses or courses in Graduate Study Centers or other extramural units. This requirement applies alike to students enrolled on the campus at the University of Michigan and to those enrolled in the Graduate Divisions of the Michigan Colleges of Education; but for students enrolled in the Graduate Divisions of the Michigan Colleges of Education, at least one of the summer sessions must be on the campus of the University of Michigan. The eighteen-hour minimum residence requirement must be supplemented by acceptable credit to the extent of six hours, which if not also taken in residence may be (a) advanced credit for work taken in a recognized graduate school of another institution or University of Michigan Extension credit; (b) taken as week-end courses; or (c) any combination of (a) and (b).

TIME LIMITATION

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

defense service during World War II which prevented him from continuing his graduate work.

CREDIT REQUIREMENT

The minimum credit requirement for the master's degree (Master of Arts or Master of Science) is twenty-four hours. This minimum is sufficient, however, only if the student's undergraduate record is satisfactory both as to quality of work done and quantity in relation to the proposed program of graduate work. This minimum also presupposes the preparation of a master's thesis.

SUBSTITUTION OF COURSE WORK FOR THESIS

After a student has completed twelve hours of his graduate work, he may exercise the option of taking six hours' work in lieu of the thesis, thus making the credit requirement thirty hours' work without a thesis. If a student desires to substitute six hours' work in lieu of a thesis, he will obtain a petition blank from the office of the Chairman of the Committee on Graduate Study to be filled out and returned to that office.

The substitution of six hours of course work for the thesis does not remove the requirement of two seminars (or B192 or C192 and one seminar). A student intending to take his doctorate must prepare a master's thesis or its equivalent. Usually the courses to be substituted consist of two courses in education and one cognate course.

SEMINAR REQUIREMENT

Insofar as possible, two types of seminars are provided: (a) for those students preparing a master's thesis, and (b) for those not preparing a thesis. Under most circumstances Education B192, or its equivalent, is prerequisite or must be taken simultaneously with either type of seminar. Students not preparing a master's thesis usually elect Education B192 or C192 and one seminar; those preparing a master's thesis usually elect two seminars, although, if they complete the thesis in their first seminar, they may substitute some other course for the second seminar. Most seminars are especially designed to aid students in bringing the thesis to completion. After consultation with instructors and advisers, students may begin the preparation of the thesis in any one of the several nonseminar courses.

SCHOLARSHIP REQUIREMENT

Students who desire credit must meet all the requirements set by the instructor with reference to attendance, supplementary reading, semester reports, examinations, etc. The master's degree is awarded only to those students who maintain an average of B in all their work. Hours of D and E grades are used to determine the average grade of each student, but are not included in the number of hours required for the degree. A graduate student will not be allowed credit for a course unless it is completed and reported in the Office of the Graduate School within a year of the official termination of the course.

PROGRAM OF WORK

For a student devoting full time to graduate study the normal load during a semester is twelve hours; the maximum program of work allowed during a six-week summer session is six hours. During a semester the program of work done by students devoting only part time to graduate study and paying the reduced schedule of fees varies from two to six hours, but no student in part-time attendance who is engaged in full-time teaching or other such employment shall be allowed to elect more than four hours of work during a semester. During the summer session the program of work for such students will be determined by the Director of the Graduate Division according to the proportion of the student's time available for graduate study. In meeting the twenty-four hour requirement for the master's degree, the student must meet the following conditions: (1) he must carry a full program of work during one semester (twelve hours) or during two summer sessions (six hours each summer), and in doing so he must meet the residence requirement: that is, he must spend at least one summer, or its equivalent, carrying a full-time program on the campus at the University of Michigan; (2) he must earn at least twelve hours in courses restricted to graduate students. A student must complete his master's work within six consecutive years after the first enrollment in the Graduate School.

REGISTRATION

Registration for the work will be under the direction of the chairman and other members of the Advisory Council of the Colleges of Education, although the Graduate Adviser from the University will be present during a part of the registration period or during a part

of the first week of the summer session. Registration will be on Monday, June 20, in order that enrollment may be completed in advance of the beginning of classwork. All details in connection with registration, payment of fees, etc., should be completed before Tuesday, June 21. No student may enroll after that date except by special permission from the Chairman of the Advisory Council, subject to the approval of the Dean of the Graduate School. Alteration in the student's program of work will not be permitted after Monday of the second week of the session.

FEEES

The summer session fees are \$35 for residents of Michigan and \$90 for nonresidents. For a two-hour program of work the fees are \$20 for residents of Michigan and \$50 for nonresidents. Students electing more than two hours of work must pay the fees for a full program. In case of complete withdrawal, refunds are granted as follows: (1) at the end of the first week, the entire fee; (2) at the end of two weeks, one-half of the fee; (3) at the end of the third week, 40 per cent of the fee; (4) after the third week, no refund.

HEALTH SERVICE AND OTHER SPECIAL PRIVILEGES

The fee paid by the student allows for a reasonable amount of health service and other privileges, such as are generally offered through the Colleges of Education.

LIVING EXPENSES

All questions regarding room, board, and other living expenses should be addressed to Registrar C. P. Steimle, Michigan State Normal College, Ypsilanti, Michigan.

OTHER INFORMATION

For details concerning other information, see the announcements of the Horace H. Rackham School of Graduate Studies, the School of Education, and the College of Literature, Science, and the Arts; also, the booklet *Advanced Study in Education* prepared by the School of Education.

Questions not answered by these sources should be addressed to the following persons: concerning admission, transfer of credits, or completion of requirement for graduation, to Ralph A. Sawyer, Dean

of the Horace H. Rackham School of Graduate Studies, University of Michigan, Ann Arbor; concerning schedules of study and programs of work to Harlan C. Koch, Graduate Adviser to the Michigan Colleges of Education, University of Michigan, Ann Arbor; concerning local arrangements, such as class meetings, possible courses, etc., to Gerald D. Sanders, Chairman of the Advisory Council, Michigan State Normal College, Ypsilanti, Michigan.

COURSES OF INSTRUCTION

(Classes meet daily, i.e., five days a week)

FOR GRADUATE STUDENTS ONLY

EDUCATION

B105a-MS, B105b-MS. The Construction of the Elementary School Curriculum. The theories, techniques, and practices utilized in curriculum building. Deals mainly with existing literature on the subject, although some of the best courses of study are examined and some practice given in the techniques of curriculum building. Designed for experienced teachers, prospective supervisors, and superintendents. Daily, 9. Professor GARRISON. Two hours credit. Pierce 327.

B151-MS. Administration and Supervision of Elementary Schools. The general managerial problems of the elementary school. Open to students of maturity and experience who wish to fit themselves for principalships and supervisorships in grades one to eight. Daily, 1. Professor KELDER. Two hours credit. Pierce 329.

C107a-MS. Psychology of the Elementary School Subjects. Language and reading, with special emphasis on remedial reading. Involves the concept of readiness for language and reading, appraisal of methods of teaching, factors which condition success and failure, the measurement and evaluation of achievement, and the techniques of diagnostic and remedial teaching. This course is intended to be of value not only to elementary school teachers but also to high-school teachers. Daily, 10. Associate Professor HESTER. Two hours credit. Roosevelt 315.

C120-MS. Mental Hygiene of Childhood and Adolescence. Deals with the cause, prevention, and resolution of the mental conflicts which arise in the attempt of the child or adolescent to adjust to his environment. Makes extensive use of case materials and stresses practical school problems. Daily, 11. Instructor MAISNER. Two hours credit. Rackham 203.

C130-MS. Education of Exceptional Children. The problems and methods involved in the adjustment and training of exceptional children in the schools, i.e., the mentally retarded, the gifted, the crippled, the deaf, the blind, the emotionally unstable, and the delinquent. Daily, 9. Professor LORD. Two hours credit. Rackham 203.

C230-MS. Education and Social Control of Mental Deviates. The nature and causes of mental deficiency; physical and mental characteristics of mental defectives; different types and the possibility of development; psychology of backward and borderline children in relation to their training and instruction; and the social control of these types. Daily, 2. Instructor MAISNER. Two hours credit. Rackham 203.

C237-MS. Orthopedics for Teachers of Crippled Children. Intended to give teachers and other workers in the field a comprehensive view of the medical and surgical aspects of orthopedic conditions common among children. Includes lectures by specialists in anatomy, physiology, bacteriology, orthopedic and neurological lesions, malnutrition, cardiology, preventive and reconstructive measures; material in physical therapy for appreciation but not for professional use will be presented. Clinical observation and field trips to institutions where this type of work is carried on will give the student an insight into its practical application. Daily, 3. Dr. BADGLEY and associates. Miss WRIGHT. Two hours credit. Rackham 211.

C240a-MS, C240b-MS. Seminar in Special Education. Designed primarily for intensive study of some phase of the education of atypical children. Students who ordinarily would elect Education C225 may enroll in this course, provided the problem to be investigated has a bearing on some phase of special education. Master's thesis may be started in this course. A student not planning to begin a thesis will be expected to carry on to completion a shorter problem of research. Daily, 10. Professor LORD. Two hours credit. Rackham 203.

C330a-MS, C330b-MS, C330c-MS. Specialized Techniques and Practice in Their Application to the Teaching of Exceptional Children. *Prerequisite: teacher's certificate, Special Education C1 and C130 or equivalent.* Gives prospective teachers and supervisors in the field of special education instruction and practice in the teaching of children with various types of handicaps. A program of study will be arranged for each student according to his needs for effectively teaching a specific type of handicapped child. Hours to be arranged. Professor LORD. Two hours credit. Rackham 208.

D155-MS. The Teaching of Literature in the Elementary School. A study of the development of child literature of the English language during the nineteenth and twentieth centuries with special reference to the work of the outstanding editors and educators involved in that development. Readings, reports on specific authors, and individual problems will be assigned in the prose work under observation. Daily, 2. Professor BARNES. Two hours credit. Pierce 222.

D158-MS. Methods and Materials for Teaching Science in the Elementary Grades. *Prerequisite: 5 hours of undergraduate science and Education D157, or the equivalent.* Designed to provide for individual analysis in elementary science materials in two or three content areas (birds, insects, light, sound, etc.), according to the individual needs and interests of the student. Such analysis includes a thorough study of basic subject matter; a critical study of grade placement of materials as shown in current texts and courses of study; the organization of two or three comprehensive teaching units designed to be entirely functional in each student's current teaching situation. Provision will be made for students having special science problems,

such as those teaching special education and supervising elementary science. Daily, 11. Associate Professor CURTIS. Two hours credit. Rackham 101.

FOR SENIORS AND GRADUATES

EDUCATION

420-MS. Introduction to Visible Speech. An introduction to the principles of visible speech. Study of characteristics of speech sounds and their recognition of the translator. Laboratory experience with the visible speech translator. TuTh, 1-3. Miss RICHARDS. 1 hour credit. Rackham 107.

463-MS. Education of Deaf-Blind. A study of the particular problems of the education of the deaf-blind children including instructional approaches, teaching materials, and the use of special aids. Opportunity will be provided to observe the instruction of a laboratory class of deaf-blind children. Sponsored in co-operation with the Perkins Institution for the Blind and the American Foundation for the Blind. MWF, 8-10. Instructor GITZUS. Two or three hours credit. Rackham 216.

472-MS. Advanced Problems in Speech for the Deaf. A survey of theories and methods of teaching speech to the deaf; a study of special problems in speech development and correction at various age-grade levels, stressing application of physiological phonetics and including discussion of multiple defect or deficiency, such as: slow-learning deaf, cerebral palsied deaf, aphasic; observation of methods of diagnosis and treatment of various special problems. Analysis and evaluation of research studies will lead to formulation and completion of an original research problem. Daily, 10. Instructor SIMMONS. Two hours credit. Rackham 105.

473-MS. Education and Treatment of Cerebral Palsied Children. Provides an interpretation of the cerebral palsied child. It is primarily a background course for teachers. Major attention is given to the characteristics of the types of cerebral palsy. The problems of education and treatment are reviewed and opportunity is provided for observing children in the classroom and treatment room.

Special lectures will be given by members of the staff of the National Society for Crippled Children and Disabled Adults, and instructors at the Michigan State Normal College and the University of Michigan. A demonstration clinic will be conducted by Dr. M. A. Perlstein, consultant on general palsy, National Society for Crippled Children and Disabled Adults.

A schedule of work will be adjusted so that the course may also be elected on a three-week basis, meeting daily (June 27 to July 15), to accommodate persons who wish a concentrated program.

Information regarding the details of the course may be obtained from the Horace H. Rackham School of Special Education, Ypsilanti,

Michigan, or the National Society for Crippled Children and Disabled Adults, 11 South LaSalle Street, Chicago 3, Illinois. MWF, 1-3. Assistant Professor WRIGHT. Two hours credit. Rackham 201.

491-MS. Teaching School Subjects to the Deaf. Psychological principles of teaching intermediate reading, arithmetic, and social studies to deaf children. Review of research studies and critical analysis of curriculum materials. Daily, 3. Instructor SIMMONS. Two hours credit. Rackham 105.

SW-6-MS. Causes of Blindness and Their Social Implications. Anatomy and pathology of the eye, with emphasis on the etiological factors and their effects on the individual. Offered by the American Foundation for the Blind as a part of their program for adult workers with the blind. Open to students of education by special permission of the director of special education. Hours to be arranged. F. BRUCE FRALICK, M.D., and staff. Two hours credit.

ENGLISH

405-MS. Victorian Poetry. *Prerequisite: four courses in literature.* A study of Tennyson, Browning, the Pre-Raphaelites, and the minor poets of the Victorian period. MTuWF, 8-10. Professor BRAWNER. Two hours credit. Pierce 208.