

UNIVERSITY
MINNESOTA
BULLETIN

1967-68

COLLEGE OF

CONTINUING EDUCATION CLASSES

UNIVERSITY OF MINNESOTA

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See list of graduate advisers inside the back cover.

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UNIVERSITY OF MINNESOTA BULLETIN

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The contents of this bulletin and of other University bulletins, publications, or announcements are subject to change.

Continuing Education Classes

(Late Afternoon and Saturday Morning Classes)

GENERAL INFORMATION

The following program of late afternoon and Saturday classes is arranged by the College of Education for teachers in service. Many of the offerings are subjects required in the regular curriculums for high school and elementary teachers, or in the specialized curriculums. Any student registering for courses to be applied toward a degree program should read carefully the section on Admission to Degree Program, and should consult a major adviser as early as possible. Failure to apply for admission or to consult an adviser may delay graduation and make extra work necessary.

The fee for part-time registration in the College of Education is \$8.25 per credit for residents of the state and \$23.50 per credit for non-residents. If 6 or more credits are taken, an incidental fee of \$30.50 is also required.

The fee in the Graduate School for 6 credits or less or thesis only is \$52.00 for residents and \$140.00 for nonresidents. Graduate students taking more than 6 credits pay \$104.00 (resident) and \$280.00 (non-resident). The incidental fee of \$30.50 is required of all students in the Graduate School except teachers in service taking less than 6 credits.

Other fees include a \$1.00 record service fee required of all new students. Auditors pay the same fees as students registered for credit.

Telephone requests for information about College of Education matters should be made to 373-2234.

Registration

Teachers in service are expected to register during the regularly scheduled periods of registration as announced in the University Calendar on page 19.

Teachers who find it impossible to come in during the regular registration period may register from Monday through Friday of the first week of the quarter but should report to register an hour before class begins so that they will not miss the first class session.

Students who have been admitted to the Graduate School may secure registration materials in 316 Johnston Hall. College of Education

students, including those registering as adult special students, should secure registration materials as follows: (a) those registered in the preceding regular quarter (excluding summer terms) should report to 206 Burton Hall; (b) those not so registered should report to the Office of Admissions and Records, Window 4, in Morrill Hall (Administration Building).

Special arrangements will be made for registering graduate and undergraduate students taking *only* Saturday classes and who find it *impossible* to register during the regular registration period. These students may report to register at 206 Burton Hall on Saturday morning of the first week of classes (fall quarter, September 30). Since advisers are not usually available on Saturday morning, students who register this late should make prior arrangements for advising. Veterans registering under Public Laws 815 and 894 cannot be registered under this special arrangement for Saturday students, and they should therefore report during the first week of the quarter or during the regular registration periods.

Admission as Adult Special Student

Teachers in service may be admitted as adult special students in the College of Education. The adult special application form should be requested from the Office of Admissions and Records and then should be presented to that office as early as possible, and certainly before registration. Only those credits earned *in the first quarter* of adult special registration may be transferred to a Graduate School record. Adult special students are not permitted to take courses numbered 200 or above as these courses are reserved for students who have been admitted to the Graduate School.

Admission to Degree Program

Anyone planning to pursue a program of study leading to an undergraduate or graduate degree should file an application for regular admission with transcripts of previous academic work. Those who have been admitted as adult special students and wish to proceed with a degree program should apply *early in the first quarter of registration*.

For Bachelor of Science or Master of Education Programs:

Application for admission to the College of Education should be made through the Office of Admissions and Records, Morrill Hall. See the *Bulletin of the College of Education* for these programs. Procedures for undergraduate admission include satisfactory completion of certain psychological tests, a health examination, and a speech examination. These tests are offered at the beginning of each quarter. Special arrangements to com-

plete these admission requirements can be made in the Student Personnel Office, 206 Burton Hall, by applicants who are unable to attend during the regular class week.

For Master of Arts and Doctor of Philosophy Programs:

Application for admission to the Graduate School should be made in the Graduate School office, 316 Johnston Hall. All application papers for admission, including transcripts, must be filed *at least 4 weeks* before the opening of the quarter for which the student hopes to register. (See deadline dates in Calendar, page 19). If the application is not completed by that date, or if the Graduate School has not acted on it by the opening of the quarter, the applicant may register as an adult special student, transferring the credits earned *in that 1 quarter* to his graduate record if he is later admitted.

A student previously registered in the Graduate School but not enrolled during the past 2 years must reapply for admission. Those admitted for M.A. programs who now wish to pursue studies leading to the Specialist Certificate or the Ph.D. degree also should reapply, specifying the advanced program and major in which they are interested.

Evening and Correspondence Offerings

Additional courses are available through evening and special classes and correspondence courses. Offerings include work in education and also in the various academic departments of the University. Announcements of these courses may be secured without charge by writing to the General Extension Division, Nicholson Hall, University of Minnesota, Minneapolis, Minnesota 55455.

No graduate credit is allowed for courses completed through correspondence study. Graduate students wishing to take evening classes appropriate to their programs will register jointly in the General Extension Division and the Graduate School.

Research Problems

In all major areas, research problems courses (with credits and hours arranged) are available for students who have been approved as candidates for the M.A. degree, Plan B. These courses are listed in the *Bulletin of the Graduate School* and in each quarter's *Class Schedule*. The candidate should consult his graduate adviser concerning registration for research problems.

Bureau of Recommendations

The Bureau of Recommendations provides placement service for persons who seek teaching, administrative, and other types of positions in schools and colleges. *Registration is compulsory for persons receiving a degree from the College of Education.* A nominal fee is required for each placement season during which service is desired. The bureau receives a great many requests for teachers, both experienced and inexperienced. The office of the Bureau of Recommendations is in 102 Burton Hall.

Summary of Class Schedules

At the back of this bulletin is a summary of class schedules by quarters, days, and hours of offerings.

Symbols

The following symbols and explanations are used throughout the course description section which does not carry page footnotes:

- * Courses through which it is possible for graduate students to prepare Plan B papers.
- † To receive credit, a student must complete all courses listed before dagger.
- ‡ Students may enter any quarter preceding the double dagger.
- § No credit is given if credit has been received for equivalent course listed after section mark.
- ¶ Means "concurrent registration in" (i.e., course must be taken simultaneously).
- # Means "consent of instructor."
- △ Means "consent of department offering course."
- E Signifies that the course is of graduate level in the College of Education but does not carry credit for Plans A and B in the Graduate School.

Please check the quarterly *Class Schedule* for building abbreviations. A *Class Schedule* will be given to each student with his registration material.

Hours and Days

Class hours identified by Roman numerals begin at the times shown below:

I	II	III	IV	V	VI	VII	VIII	IX	X
8:15	9:15	10:15	11:15	12:15	1:15	2:15	3:15	4:15	5:15

A class listed IX-X TTh meets the ninth through the tenth hours Tuesday and Thursday, the hyphen always indicating "through." The days of the week are abbreviated M, T, W, Th, F, S.

PROGRAM OF COURSES

FALL QUARTER, 1967

See page 4 for explanation of symbols

ADULT SPECIALS: Only those credits earned in *the first quarter* of adult special registration may be transferred to a Graduate School record. Courses numbered 200 or above are not open to adult special students.

Please check the current *Class Schedule* for revisions in course listings.

Agricultural Education (AgEd)

Persons interested in courses in agricultural education should write directly to the Department of Agricultural Education, University of Minnesota, St. Paul, Minnesota 55101.

Art Education (ArEd)

- 153 Curriculum Building in Art Education. (3 cr, †151-152-153) III-IV S, WuH 130, Hastie
- 158 Art Education in Europe. (3 cr) I-II S, WuH 110, Gayne
- 296 Seminar: Art Education. (1 cr) IX-X T, WuH 130, Gayne

Educational Administration (EdAd)

- 167 The Junior High School. (3 cr; prereq 9 cr in education) IX-X T, Pt 102, Popper
- 201 Foundations of Educational Administration. (3 cr; limited to 40 students) Sec 2, III-IV S, Pt 215, Pierce
- 202 Foundations of Educational Administration. (3 cr) I-II S, Bu 125, Nickerson
- 210 Public School Finance. (3 cr) I-II S, Pt 111, Domian
- 215 The Elementary School Principalship. (3 cr; prereq 201 and 202 or #) IX-X T, Pt 204, Cross

- 224 Legal Aspects of Public School Administration. (3 cr) IX-X W, Pt 215, Hooker
- 242 Administrative Organizations and Staffing of School Systems. (3 cr; prereq #) IX-X Th, Pt 215, Davis

Educational Psychology (EPsy)

- 110 Educational Measurement in the Classroom. (3 cr; limited to 60 students) IX-X W, Pt 110, Ar
- 133 Introduction to Guidance. (3 cr; prereq 9 cr in education) IX-X W and 1 hr ar, CD 218, Tennyson
- 182 Education of Exceptional Children. (3 cr; prereq Ed 55A or 75A) III-IV S, Pt 110, Force
- 184 Introduction to Education of the Mentally Retarded. (3 cr; prereq 182) IX-X W, Pt 111, Ar
- 187 Education of Crippled Children. (3 cr; prereq 182 or #) IX-X Th, Pt 214, Force
- 188 Education of the Culturally Disadvantaged Child. (3 cr; prereq HEd 90, CPsy 80 or equiv) IX-X T, Pt 111, Wood
- 244 Research in Special Education. (1 cr per qtr; prereq 116, 117, or equiv or #) IX-X M, Pt 110, Balow

Curriculum and Instruction (EdCI)

- 62 Teaching Mathematics in the Elementary School. (3 cr; limited to 50 students; prereq Ed 75A, Math 5A-B) Sec 4, 4:15-5:30 TTh, JohH 113, Post
- 63 Children's Literature. (3 cr; limited to 50 students) Sec 4, IX-X W, Bu 120, Peterson
- 102 Teaching Social Studies in the Elementary School. (3 cr; prereq Ed 75B or equiv) III-IV S, 1 hr ar, Keach
- 105 Audio-Visual Materials in Education. (3 cr; prereq sr) I-II S, 1 hr ar, NH 211, Pearson
- 106 Co-ordinating an Audio-Visual Education Program. (3 cr; prereq 105 or ¶105) IX-X M, WeH 206, Pearson
- 107 Radio and Television in Education. (3 cr; limited to 30 students; prereq 9 cr in education) IX-X T, WeH 206, Pearson
- 113 Principles of Secondary School Curriculum. (3 cr; prereq Ed 55B or equiv) III-IV S, PeikH 165, Ar
- 114 Interdisciplinary Approaches to Curriculum. (3 cr) IX-X Th, Bu 125, Kimpston

- 115 Introduction to Education of Visually Handicapped Children. (3 cr; prereq #) IX-X W, Pt 204, Ar
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B or equiv) IX-X W, 1 hr ar, Bu 123, Goossen
- 121 Literature for the Elementary School. (3 cr) IX-X M, 1 hr ar, Bu 123, Odland
- 122 Literature for Adolescents. (3 cr; prereq Ed 55B or jr-sr high school tchg exper) I-II S, Bu 120, Kemp
- 124 Foundations of Career Development. (3 cr) IX-X T, NH 216, Borow
- 129 Trends and Issues in Secondary Curriculum. (3 cr; prereq 113 or equiv) IX-X T, PeikH 165, Hill
- 131 Advanced Teaching of Technical Business Subjects. (3 cr) I-II S, Bu 105, Driska
- 136 Organization and Administration of Distributive Education. (3 cr; limited to 25 students) 4:15-6:30 W, Bu 105; Klaurens, Meyer
- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X T, 1 hr ar, Pt 214, Goudey
- 144 Teaching Reading in Secondary Schools. (3 cr; prereq 9 cr in education) I-II S, 1 hr ar, Bu 123, Chase
- 145 Reading Difficulties. (3 cr; prereq 143A or 144 or equiv) IX-X T, 1 hr ar, J 4, Manning
- 147 Workshop: Teaching Display. (3 cr; limited to 20 students; prereq #) 4:15-6:30 M, Bu 105, Klaurens
- 149A Teaching and Supervision of Mathematics in the Elementary School. (3 cr, §149; prereq 62 or #) 4:15-5:30 MW, JohH 113, Stochl
- 150 Supervision and Improvement of Instruction. (3 cr; prereq 9 cr in education) III-IV S, 1 hr ar, Bu 123, Curtin
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) IX-X Th, 1 hr ar, Pt 111, Googins
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq 64 or elem school tchg exper) IX-X T, 1 hr ar, Chase
- 155 Materials Laboratory for Social Studies Teachers. (3 cr; limited to 20 students; prereq #) IX-X T, PeikH 165, West
- 161 Curriculum Construction in Business Education. (3 cr; prereq 113) IX-X Th, Bu 105, Driska, Price
- 184 Supervision of Student Teaching. (3 cr; prereq 15 cr in education or #) III-IV S, PeikH 175, Mork
- 185 Advanced Course in the Teaching of Modern Languages. (3 cr) I-II S, PeikH 255, Birkmaier, Lange
- 191 Advanced Teaching and Supervision of Secondary Mathematics. (3 cr) IX-X M, PeikH 315, David C Johnson

- 192B Computer Assisted Mathematics. (3 cr; prereq 149A, 191, or #) 4:15-6:45 Th, PeikH 315, David C Johnson
- 195 Current Developments and Curriculum Construction in English. (3 cr; prereq EdT 75C or D or equiv) III-IV S, PeikH 245, Kemp, Piche
- 222 Seminar: Secondary Curriculum and Instruction. (1 cr per qtr, total 3 cr; prereq 113) IX-X W, PeikH 265, Williams
- 226 Seminar: Elementary School Problems. (No cr) 4:00-5:00 Th, PeikH 165, Ar
- 230 Theory and Classical Research in Mathematics Education. (3 cr; prereq 149A or 191 or #) IX-X W, 1 hr ar, NH 209A, Jackson
- 233 Seminar: Mathematics Education. (0-3 cr; prereq #) IX-X T, PeikH 315, Jackson, David C Johnson, Donovan Johnson, Stochl
- 241 Seminar: Advanced Study in Supervision and Curriculum Development. (1 cr; prereq 113, 170 or 172 or equiv) IX-X M, PeikH 255, Ar
- 243A Research Foundations for Reading Instruction. (3 cr; prereq 143A, #) IX-X W, 1 hr ar, Bu 125, Manning
- 252 Effective College Teaching. (3 cr; prereq yr of grad study in any field or 18 cr in education) I-II S, Pt 110, Eckert

History and Philosophy of Education (HEd)

- 131 Comparative Education. (3 cr) IX-X T, Bu 105, Corcoran
- 141 Critical Issues in Contemporary Education. (3 cr) IX-X W, Arch 130, Beck
- 156 History of Ideas in American Education. (3 cr) IX-X Th, Bu 123, Bagley
- 190 Sociology of Education. (3 cr, §Soc 195; prereq 90) IX-X M, Pt 204, Bennett
- 296 Seminar: American Social and Educational History. (3 cr per qtr, §Hist 237E) IX-X T, ForH 50, Smith

Home Economics Education (HEEd)

Persons interested in courses in home economics education should write directly to the School of Home Economics, University of Minnesota, St. Paul, Minnesota 55101.

Industrial Education (Ind)

- 101 Tests in Industrial Subjects. (3 cr; prereq Ed 55B) IX-X M, TNCD 116, Pucel

- 107 Co-ordination. (3 cr; prereq 35 or 125 or #) IX-X T, TNCD 116, Miletich
- 110 Vocational Guidance. (3 cr; prereq Ed 55B) IX-X W, TNCD 113, Lundgren
- 155 Critical Issues in Industrial Education. (3 cr) IX-X W, TNCD 116, Moss

Music Education (MuEd)

- 104 Advanced Topics: Vocal Music. (3 cr; prereq #) IX-X M, ScH 104, Caswell
- 105 Advanced Topics: Instrumental Music. (3 cr; prereq sr) IX-X Th, ScH 104, Turrentine
- 251 Seminar: Curriculum Development. (3 cr; prereq MA in music or music education) IX-X T, ScH 104, Borg, Caswell, Turrentine

Professional Physical Education Courses for Men and Women (PE)

- 123 Advanced Methods of Teaching Physical Education. (3 cr; prereq #) III-IV S, 1 hr ar, NGW 3, Jaeger, Young
- 136 Introduction to Research. (3 cr; prereq #) 4:00-5:15 TTh, CH 214, McAdam
- 202 Professional Preparation of Physical Education Teachers. (3 cr; prereq 102 or equiv) I-II S, 1 hr ar, CH 214, Richardson

WINTER QUARTER, 1968

See page 4 for explanation of symbols

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Please check the current *Class Schedule* for revisions in course listings.

Agricultural Education (AgEd)

Persons interested in courses in agricultural education should write directly to the Department of Agricultural Education, University of Minnesota, St. Paul, Minnesota 55101.

Art Education (ArEd)

- 189 Application of Aesthetic Theory in Education. (3 cr) I-II S, Hastie
- 284 Research in Art Education. (3 cr) III-IV S, Gayne
- 296 Seminar: Art Education. (1 cr) IX-X T, Gayne

Educational Administration (EdAd)

- 211 School Business Management. (3 cr; prereq 210 or #) IX-X W, Mueller
- 216 Recent Research in Elementary School Administration. (3 cr; prereq 215) III-IV S, Curtin
- 217 Seminar: Elementary School Administration. (3 cr, \$200; prereq 216 or #) IX-X T, Lambert
- 218 Seminar: Secondary School Administration. (3 cr; prereq 201 and 202 or #) IX-X T, Popper
- 227 Public School Personnel Programs. (3 cr) IX-X M, Davis
- 265 Administering the High School Program. (3 cr) I-II S, Nickerson

Educational Psychology (EPsy)

- 133 Introduction to Guidance. (3 cr; prereq 9 cr in education) III-IV S, 1 hr ar, Tennyson

- 159 Personality Development and Mental Hygiene. (3 cr) IX-X MW, Kaul
- 183 Education of Gifted Children. (3 cr; prereq Ed 55B or 75B or equiv) IX-X T, Reynolds
- 188 Education of the Culturally Disadvantaged Child. (3 cr; prereq HEd 90, CPsy 80 or equiv) IX-X Th, Ar
- 190 Educational Problems of Cerebral Palsy. (3 cr; prereq 182 or #) IX-X Th, Force
- 209 Seminar: Research Planning. (1 cr per qtr; limited to 10 students) IX-X T, Hoyt
- 225 Counseling Theory and Procedure I. (3 cr; prereq 133 or 250, 259 or ¶259) IX-X TTh, Blocher
- 236 Group Counseling: Principles and Procedures. (3 cr; prereq 133 or 250 and 125 or 225) IX-X TTh, A Anderson
- 244 Research in Special Education. (1 cr per qtr; prereq 116, 117 or equiv, #) IX-X M, Reynolds
- 286 Advanced Course: Education of Emotionally Disturbed and Socially Maladjusted Children. (3 cr; prereq #) IX-X T, Wilderson

Curriculum and Instruction (EdCI)

- 63 Children's Literature. (3 cr; limited to 50 students) Sec 4, IX-X Th, Stein
- 103 Teaching Science in the Elementary School. (3 cr; prereq sr, Ed 75B or tchg exper) IX-X MW, Humphreys
- 105 Audio-Visual Materials in Education. (3 cr; prereq sr) IX-X T and 1 hr ar, Pearson
- 108 Nonprojected Audio-Visual Materials and Equipment Laboratory. (3 cr; prereq 105 or ¶105) Lect IX-X M, Pearson; lab, sec 2, limited to 15 students, VIII-IX Th, Ar
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B or equiv) III-IV S, 1 hr ar, Goossen
- 121 Literature for the Elementary School. (3 cr) I-II S, 1 hr ar, Odland
- 125 Occupational Information Laboratory. (3 cr; prereq #) IX-X Th, Hansen
- 132 Teaching the Basic Business Subjects. (3 cr) IX-X T, Price
- 139 Co-ordination Techniques. (3 cr) 4:15-6:30 W, Klaurens
- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X W, 1 hr ar, Goudey
- 143B Materials and Instructional Techniques of Elementary Reading. (3 cr; prereq 60 or 143A or #) IX-X W, 1 hr ar, Manning

- 145 Reading Difficulties. (3 cr; prereq 143A or 144 or equiv) IX-X M, 1 hr ar, Ar
- 148 Post-Secondary Business and Distributive Education. (3 cr) 4:15-6:30 M, Ashmun
- 149B Materials Laboratory for Elementary School Mathematics Instruction. (3 cr; limited to 20 students; prereq 62 or 149A or #) II-IV S, Stochl
- 153 Teaching and Supervision of English in the Elementary School. (3 cr; prereq 64 or elementary school tchg exper) IX-X W, 1 hr ar, Chase
- 155A Materials Laboratory for Elementary Social Studies Teachers. (3 cr, \$155; prereq 61 or 102 or #) IX-X Th, 1 hr ar, Keach
- 157 Organization and Supervision of Business Education. (3 cr, \$200; prereq #) IX-X Th, Driska
- 158 Materials and Methods in Office and Stenographic Procedures. (3 cr) III-IV S, Driska
- 165B Mathematics for Slow Learning Children. (3 cr; prereq 62 or 149A or #) IX-X M, 1 hr ar, Ar
- 169 Student Activity Programs in Secondary Schools. (3 cr; prereq Ed 55B or equiv) IX-X Th, Hill
- 170 Programs and Procedures of Curriculum Development. (3 cr, \$170A-B; prereq 113 or 119) III-IV S, Kimpston
- 189 Materials and Curriculum Construction in Modern Languages. (3 cr; prereq 185 and #) I-II S, Birkmaier, Lange
- 192 Materials Laboratory for Secondary School Mathematics. (3 cr, \$192; prereq grad or experienced tchr) 4:15-6:45 Th, Donovan Johnson
- 206 Curriculum Construction in Elementary Social Studies. (3 cr; prereq 61 or 102, and 154 or #) IX-X W, 1 hr ar, Keach
- 222 Seminar: Secondary Curriculum and Instruction. (1 cr per qtr, total 3 cr; prereq 113) IX-X W, Hill
- 226 Seminar: Elementary School Problems. (No cr) 4:00-5:00 Th, Ar
- 231 Recent Research in Elementary School Mathematics Instruction. (3 cr; prereq 230 or #) IX-X W, 1 hr ar, Jackson
- 233 Seminar: Mathematics Education. (0-3 cr; prereq #) IX-X T, Jackson, David C Johnson, Donovan Johnson, Stochl
- 241 Seminar: Advanced Study in Supervision and Curriculum Development. (1 cr per qtr, total 3 cr; prereq 113, 170 or 172 or equiv) IX-X M, Hill
- 243B Recent Research in Reading. (3 cr; prereq #) IX-X T, 1 hr ar, Manning
- 250 Higher Education in the United States. (3 cr; prereq a yr of grad study in any field or 18 cr in education) I-II S, Corcoran

- 258 Research in Skill Development in Spelling, Handwriting, and Listening. (3 cr; prereq 153 or equiv) IX-X Th, 1 hr ar, Dykstra
- 285 Professional Education of Teachers. (3 cr; prereq 15 cr in education incl 184 and 250 or HEd 182 or EPsy 250 and #) III-IV S, Mork, Woestehoff
- 287 Research Foundations of Secondary School Science Teaching. (3 cr) I-II S, Boeck
- 291 Research in Mathematics Education. (Cr ar; prereq 191) IX-X M, David C Johnson
- 294 Advanced Materials and Methods in Secondary School English. (3 cr; prereq EdT 75C or equiv) III-IV S, Kemp, Piche

History and Philosophy of Education (HEd)

- 131 Comparative Education. (3 cr) IX-X W, Beck

Home Economics Education (HEEd)

Persons interested in courses in home economics education should write directly to the School of Home Economics, University of Minnesota, St. Paul, Minnesota 55101.

Industrial Education (Ind)

- 105 Administration of Industrial Education. (3 cr; prereq 35 or #) IX-X Th, Van Tries
- 109 Conference Leading for Industry. (3 cr; prereq #) IX-X M, Miletich
- 125 Philosophy and Practice of Industrial Education. (3 cr, §35) IX-X W, Miletich
- 135 Industrial Course Construction. (3 cr, §40) IX-X T, Sulentic
- 251 Research. (3 cr; prereq #) IX-XI W, Moss

Music Education (MuEd)

- 125 Selection of Instrumental Music Materials. (3 cr; prereq sr) IX-X Th, Ar
- 252 Seminar: Curriculum Development. (3 cr; prereq 251) IX-X T, Borg, Caswell, Turrentine

Professional Physical Education for Men (PEMP)

- 71 Physiological Application to Sports. (3 cr, §PubH 91, §PubH 92; prereq 50, Anat 27) 4:00-6:00 T, Serfass

Professional Physical Education for Women (PEWP)

- 58 Intramural-Extramural-Interschool Sports Program. (3 cr; prereq physical education major or minor, jr) 4:00-5:00 MW, 1 hr ar, Gunderson
- 76 Teaching of Creative Dance for Children. (3 cr; prereq 40A) 4:00-5:00 MW, 1 hr ar, Mirus

Professional Physical Education Courses for Men and Women (PE)

- 115 Advanced Kinesiology. (3 cr; prereq undergrad course in kinesiology or #) I-II S, 1 hr ar, Wilson
- 135 Tests and Measurements. (3 cr; prereq grad or MEd) 4:00-5:15 MW, Stoner
- 224 Research Problems. (3 cr; prereq 136, EPsy 116 or #) 4:00-5:15 TTh, McAdam

School Health Education (Hlth)

- 117B Advanced Instruction in School Health for Secondary Schools. (3 cr; prereq 83 or #) III-IV S, 1 hr ar, Slocum

SPRING QUARTER, 1968

See page 4 for explanation of symbols

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Agricultural Education (AgEd)

Persons interested in courses in agricultural education should write directly to the Department of Agricultural Education, University of Minnesota, St. Paul, Minnesota 55101.

Art Education (ArEd)

296 Seminar: Art Education. (1 cr) IX-X T, Gayne

Educational Administration (EdAd)

- 215 The Elementary School Principalship. (3 cr; prereq 201 and 202 or #) I-II S, Cross
- 216 Recent Research in Elementary School Administration. (3 cr; prereq 215) IX-X T, Cross
- 222 Administrative Information Systems. (3 cr; prereq 220, 221 and educational administration major or #) IX-X M, Davis
- 226 School Plant Planning. (3 cr) IX-X W, Mueller
- 230 School Community Relations. (3 cr) IX-X T, Popper
- 231 Workshop: School Community Relations Technique. (1-4 cr) III-IV S, Popper
- 237 Seminar: Educational Law. (1-3 cr; prereq 224 or #) IX-X M, Hooker
- 264 The Secondary School Principalship. (3 cr) IX-X Th, Nickerson
- 274 The Junior College. (3 cr) IX-X Th, Hendrix

Educational Psychology (EPsy)

- 125 Social Psychology of Education. (3 cr; limited to 50 students) 4:15-5:30 TTh, David W Johnson

- 148 Clinical Diagnosis of Reading Difficulties. (3 cr; prereq EdCI 145) 4:15-6:30 M, Ar
- 186 Education of Emotionally Disturbed and Socially Maladjusted Children. (3 cr; prereq grad or #) IX-X T, Wilderson
- 193 Psychological Analysis of Instruction. (3 cr, §193-196-197; prereq sr) 4:15-5:30 TTh, Hively
- 209 Seminar: Research Planning. (1 cr per qtr; limited to 15 students) IX-X T, Hoyt
- 226 Counseling Theory and Procedures II. (3 cr; prereq 225, 140 or ¶140) IX-X TTh, Blocher
- 244 Research in Special Education. (1 cr per qtr; prereq 116, 117 or equiv, #) IX-X M, Reynolds
- 268 Seminar: The Culturally Disadvantaged. (3 cr; prereq #) IX-X W, Wood
- 289 Survey of Special Education Problems. (3 cr; prereq 182 or experience and #) IX-X T, Reynolds

Curriculum and Instruction (EdCI)

- 63 Children's Literature. (3 cr; limited to 50 students) Sec 4, IX-X T, Odland
- 102 Teaching Social Studies in the Elementary School. (3 cr; prereq Ed 75B or equiv) IX-X Th, 1 hr ar, Ar
- 104 Adult Education. (3 cr; limited to 30 students) IX-X Th, Woods
- 105 Audio-Visual Materials in Education. (3 cr; prereq sr) IX-X T, 1 hr ar, Pearson
- 109 Projected Audio-Visual Materials and Equipment Laboratory. (3 cr; prereq 105 or ¶105) Lect IX-X M, Pearson; lab sec 2, limited to 15 students, IX-X Th, Ar
- 113 Principles of Secondary School Curriculum. (3 cr; prereq Ed 55B or equiv) IX-X Th, Ar
- 122 Literature for Adolescents. (3 cr; prereq Ed 55B or jr-sr high school tchg exper) I-II S, Kemp
- 124 Foundations of Career Development. (3 cr) IX-X T, Borow
- 125 Occupational Information Laboratory. (3 cr; prereq #) IX-X Th, Hansen
- 133 Consumer Education in the Schools. (3 cr) IX-X T, Price
- 138 Training Store and Office Supervisors. (3 cr) 4:15-6:30 M, Klaurens, Meyer
- 141 Co-operative Part-Time Work Experience Programs. (3 cr) 4:15-6:30 W, Klaurens, Meyer

- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X T, 1 hr ar, Goudey
- 143C Instructional Leadership in Elementary Reading. (3 cr; prereq 143A or #) IX-X M, 1 hr ar, Manning
- 144 Teaching Reading in Secondary Schools. (3 cr; prereq 9 cr in education) IX-X M, 1 hr ar, Chase
- 145 Reading Difficulties. (3 cr; prereq 143A or 144 or equiv) IX-X Th, 1 hr ar, Goudey
- 149C Current Developments in Elementary School Mathematics Instruction. (3 cr; prereq 62 or 149A or #) 4:15-5:30 MW, Stochl
- 150 Supervision and Improvement of Instruction. (3 cr; prereq 9 cr in education) III-IV S, 1 hr ar, Curtin
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) IX-X Th, 1 hr ar, Ar
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq 64 or elem school tchg exper) IX-X W, 1 hr ar, Dykstra
- 156 Trends in Business Education. (3 cr) IX-X Th, Driska
- 172 Supervision of Secondary Instruction. (3 cr; prereq 113) I-II S, Hill
- 173 Preparation of Curriculum Materials. (3 cr, §173A-B; prereq 113 or 119) IX-X T, Kimpston
- 190 Current Developments in Secondary School Science Teaching. (3 cr; prereq EdT 68B-C or 68M, equiv undergrad courses or science tchg exper) I-II S, Gennaro
- 194 New Content and Methods in Mathematics. (3 cr; prereq math tchg exper) IX-X M, Donovan Johnson
- 204 Social Studies Curriculum. (3 cr; limited to 20 students) IX-X W, West
- 208 Research in Elementary Social Studies. (3 cr; prereq 102 or #) IX-X W, 1 hr ar, Ar
- 222 Seminar: Secondary Curriculum and Instruction. (1 cr per qtr, total 3 cr; prereq 113) IX-X W, Kimpston
- 233 Seminar: Mathematics Education. (0-3 cr; prereq #) IX-X T, Jackson, David C Johnson, Donovan Johnson, Stochl
- 241 Seminar: Advanced study in Supervision and Curriculum Development. (1 cr per qtr, total 3 cr; prereq 113, 170 or 172 or equiv) IX-X M, Ar
- 243C Seminar: Reading Instruction. (0-3 cr; prereq #) IX-X W, 1 hr ar, Manning
- 286 Professional Education of Teachers. (3 cr per qtr; prereq 285) III-IV S, Mork, Woestehoff
- 288 Seminar: Research in Modern Language Learning. (3 cr; prereq 185 and #) I-II S, Birkmaier

History and Philosophy of Education (HEd)

- 182 Comparative Philosophies of Education. (3 cr) IX-X W, Beck
- 190 Sociology of Education. (3 cr, §195; prereq 90) IX-X T, Bennett
- 298 Seminar: American Social and Educational History. (3 cr per qtr, §Hist 239E; prereq 297) IX-X W, Smith

Home Economics Education (HEEd)

Persons interested in courses in home economics education should write directly to the School of Home Economics, University of Minnesota, St. Paul, Minnesota 55101.

Industrial Education (Ind)

- 100 Industrial Instruction. (3 cr; prereq 40, Ed 55B, #) I-X W, Moss
- 101 Tests in Industrial Subjects. (3 cr; prereq Ed 55B) IX-X W, Pucel
- 110 Vocational Guidance. (3 cr; prereq Ed 55B) IX-X T, Lundgren
- 115 Supervision of Industrial Education. (3 cr; prereq 35 or 105) IX-X M, Miletich
- 135 Industrial Course Construction. (3 cr, §40) IX-X Th, Sulentic
- 250 Literature of Industrial Education. (3 cr; prereq #) IX-X Th, Nelson

Music Education (MuEd)

- 101 Philosophies of Music Education. (3 cr) IX-X M, Ar
- 103 Psychological Foundations. (3 cr; prereq sr, #) IX-X Th, Ar
- 253 Seminar: Curriculum Development. (3 cr; prereq 252) IX-X T, Borg, Caswell, Turrentine

Professional Physical Education Courses for Men and Women (PE)

- 171 Applied Physiology. (3 cr; prereq PubH 92 or Phys 51 or equiv) III-IV S, 1 hr ar, Alexander

School Health Education (Hlth)

- 114 Administration of School Health Education. (3 cr; prereq 83, PubH 50 or #) 4:00-5:15 MW, Slocum

CALENDAR 1967-68

FALL QUARTER

September

- 4 Holiday (Labor Day)
- 15 Fall quarter fees due for students registered through September 8
- 18-22 Fall Registration
- 22 Last day for registration and payment of fees for undergraduates
- 25 Fall quarter classes begin
- 28 Opening Convocation; IV hour classes excused
- 30 Last day for registration and payment of fees for the Graduate School and for teachers in service

October

- 12 Holiday (Columbus Day)
- 21 Homecoming Day

November

- 2 Senate meeting, 3:30 p.m.
- 11 Holiday (Veterans Day)
- 23 Holiday (Thanksgiving Day)
- 24-25 Classes excused (except Medical School and College of Veterinary Medicine)

December

- 1 Last day to file application for winter quarter admission to the undergraduate colleges or for change of college within the University
- 5 Deadline for application for admittance to Graduate School, winter quarter
- 7 Senate meeting, 3:30 p.m.
- 8 Review begins
- 9-15 Final examination period
- 16 Fall quarter closes
Commencement, 7:30 p.m.

WINTER QUARTER

December

- 25 Holiday (Christmas Day)
- 27-29 Registration resumes; winter quarter fees due for new students in all undergraduate colleges
- 28 Last day for payment of winter quarter fees for students in residence fall quarter

January

- 1 Holiday (New Year's Day)
- 3 Winter quarter classes begin

- 6 Last day for registration and payment of fees for Graduate School students and for teachers in service

February

- 1 Senate meeting, 3:30 p.m.
- 12 Holiday (Lincoln's Birthday)
- 22 Holiday (Washington's Birthday)
- 23 Graduate School application deadline for spring quarter
- 25-March 2 University of Minnesota Week
- 29 Charter Day Convocation; IV hour classes excused

March

- 7 Senate meeting, 3:30 p.m.
- 8 Review begins
- 9-15 Final examination period
- 14 Spring quarter fees due for students in residence winter quarter in undergraduate colleges
- 16 Winter quarter closes
Commencement, 7:30 p.m.

SPRING QUARTER

March

- 19-22 Registration and payment of fees for new students in all undergraduate colleges
- 25 Spring quarter classes begin
- 30 Last day for registration and payment of fees for Graduate School and for teachers in service

April

- 12 Holiday (Good Friday)
- 25 Senate meeting, 3:30 p.m.

May

- 20 Graduate School application deadline for first term, Summer Session
- 23 Senate meeting, 3:30 p.m.
Cap and Gown Day Convocation; IV hour classes excused
- 30 Holiday (Memorial Day)
- 31 Review begins

June

- 1-7 Final examination period
- 7 Baccalaureate service, 4 p.m.
- 8 Spring quarter closes
Commencement, 7:30 p.m.

GRADUATE ADVISERS**

Education Fields

Agricultural Education

- W. Forrest Bear—200 Agricultural Engineering (StP)
Keith N. McFarland—215 Coffey (StP)
Martin B. McMillion—208 Horticulture (StP)
Clifford L. Nelson—208 Horticulture (StP)
Edgar A. Persons—312 Horticulture (StP)
Milo J. Peterson—208 Horticulture (StP)
Gordon I. Swanson—208 Horticulture (StP)

Art Education

- Clifton A. Gayne—135 Wulling
W. Reid Hastie—135 Wulling
Richard A. Salome—135 Wulling

Child Psychology

- Inquire in 102 Child Development

Curriculum and Instruction

- Richard Ashmun (Sec.)—350 Peik
Naomi C. Chase (Elem.)—130 Burton
James R. Curtin (Elem.)—250 Burton
Robert Dykstra (Elem.)—136 Burton
Eugene D. Gennaro (Sci.)—370 Peik
Carl V. Goossen (Elem.)—201 Pattee
Richard L. Hill (Sec.)—148 Peik
Alan H. Humphreys (Elem.)—105 Pattee
Robert L. Jackson (Elem.)—250 Burton
David C. Johnson (Math.)—330 Peik
Donovan A. Johnson (Math.)—330 Peik
Everett T. Keach (Elem.)—238 Burton
Stanley B. Kegler (Engl.)—214 Burton

- Richard D. Kimpston (Sec.)—103 Burton
Ronald T. Lambert (Elem.)—254 Burton
Dale L. Lange (Lang.)—224 Peik
John C. Manning (Elem.)—136 Burton
George H. McCune (Soc.St.)—418 Johnston
Warren G. Meyer (Dist. Ed.)—115 Burton
R. Norine Odland (Elem.)—136 Burton
Neville P. Pearson (Aud.-Vis.)—206 Wesbrook
Ray C. Price (Bus. Ed.)—117 Burton
James E. Stochl (Elem.)—530 Johnston
Edith West (Soc.St.)—350 Peik

Educational Administration

- William Ammentorp (Gen.)—211 Burton
James R. Curtin (Elem.)—250 Burton
Donald E. Davis (Gen.)—203 Burton
Otto E. Domian (Gen.)—205 Burton
Vernon L. Hendrix (Higher)—211 Burton
Clifford P. Hooker (Gen.)—203 Burton
Ronald T. Lambert (Elem.)—254 Burton
Van Dyck Mueller (Gen.)—211 Burton
Neal C. Nickerson (Gen.)—203 Burton
Douglas R. Pierce (Gen.)—203 Burton
Samuel H. Popper (Gen.)—203 Burton

Educational Psychology

- Alan R. Anderson—255 Burton
Bruce E. Balow—109 Pattee
Donald H. Blocher—253 Burton
Henry Borow—30 Nicholson

** Undergraduate students may consult the graduate adviser appropriate for the major, or inquire in 206 Burton Hall.

Russell W. Burris—400 Ford
Raymond O. Collier—330 Burton
Mary E. Corcoran—141 Burton
Jan D. Duker—226 Child Development
William H. Edson—206 Burton
Charles J. Glotzbach—206 Burton
Theda Hagenah—106 Eddy
Marian D. Hall—226 Child Development
Lorraine S. Hansen—152 Peik
Vivian H. Hewer—101 Eddy
Wells Hively—239 Burton
Cyril J. Hoyt—330 Burton
David W. Johnson—330 Burton
Paul E. Johnson—239 Burton
Theodore Kellogg—6 Morrill
Donald MacEachern—330 Burton
Jack C. Merwin—330 Burton
Frank B. Murray—243 Burton
Daniel C. Neale—103 Burton
Clyde A. Parker—249 Burton
Alton L. Raygor—106 Eddy
Maynard C. Reynolds—101 Pattee
S. Jay Samuels—129 Burton
Lyle Schmidt—247 Burton
Martin L. Snoko—200 Eddy
John E. Stecklein—3338 University Avenue, St. Paul
W. Wesley Tennyson—259 Burton
James S. Terwilliger—330 Burton
James E. Turnure—14 Pattee
Frank B. Wilderson—107 Pattee

Elementary Education

See Curriculum and Instruction and Educational Administration

Higher Education

Ruth E. Eckert—226 Burton
Mary E. Corcoran—141 Burton

History and Philosophy of Education

Ayers L. Bagley—139 Burton
Robert H. Beck—139 Burton
William S. Bennett—139 Burton
Mary E. Corcoran—141 Burton
Timothy L. Smith—139 Burton

Home Economics Education

Marjorie M. Brown—121 McNeal (StP)
Roxana R. Ford—117 McNeal (StP)
Louise A. Stedman—200 McNeal (StP)
Emma B. Whiteford—107 McNeal

Industrial Education

Jerome Moss, Jr.—103 TNCD
Howard F. Nelson—103 TNCD
Robert R. Randelman—108 TNCD

Library Science

Lowell Olson—3 Walter Library

Music Education

Robert L. Borg—214 Scott
Arnold F. Caswell—214 Scott

Physical Education for Men

John F. Alexander—400 Cooke
Richard J. Donnelly—220 Cooke
Robert E. McAdam—205 Cooke
Ralph A. Piper—217 Cooke
Deane E. Richardson—220 Cooke

Physical Education for Women

Eloise M. Jaeger—101 Norris Gymnasium
Helen M. Slocum—158 Norris Gymnasium
Marjorie U. Wilson—108 Norris Gymnasium

Recreation Leadership

Jackson M. Anderson—204 Cooke
Frederick M. Chapman—204 Cooke

School Health Education

Helen M. Slocum—158 Norris Gymnasium

Secondary Education

See Curriculum and Instruction (Teaching of English, Languages, Mathematics, Science, Social Studies, Business, Distributive, and Economic Education) and Educational Administration

Special Education

Bruce E. Balow—109 Pattee
Dewey G. Force, Jr.—12 Pattee
Maynard C. Reynolds—101 Pattee
Frank B. Wilderson—107 Pattee
Frank H. Wood—103 Pattee

Teacher Education

Gordon M. A. Mork—225 Burton
Arnold S. Woestehoff—102 Burton

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	Saturday (I-II)	Saturday (III-IV)	Monday (IX-X)	Tuesday (IX-X)	Wednesday (IX-X)	Thursday (IX-X)
FALL QUARTER	ArEd 158	ArEd 153	EPsy 244	ArEd 296	EdAd 215	EdAd 242
	EdAd 202	EdAd 201	EdCI 106	EdAd 167	EdAd 224	EPsy 187
	EdAd 210	EPsy 182	EdCI 147**	EdAd 215	EPsy 110	EdCI 62†
	EdCI 105	EdCI 102	EdCI 149A†	EPsy 188	EPsy 133	EdCI 114
	EdCI 122	EdCI 113	EdCI 191	EdCI 62†	EPsy 184	EdCI 151
	EdCI 131	EdCI 121	EdCI 241	EdCI 107	EdCI 63	EdCI 161
	EdCI 144	EdCI 150	HEd 190	EdCI 129	EdCI 115	EdCI 192B††
	EdCI 185	EdCI 184	Ind 101	EdCI 143A	EdCI 119	EdCI 226
	EdCI 252	EdCI 195	MuEd 104	EdCI 153	EdCI 136**	HEd 156
	PE 202	PE 123		EdCI 155	EdCI 145	MuEd 105
				EdCI 233	EdCI 222	PE 136†
				HEd 131	EdCI 230°	
				HEd 296	EdCI 243A	
				Ind 107	HEd 141	
				MuEd 251	Ind 110	
				PE 136†	Ind 155	
WINTER QUARTER	ArEd 189	ArEd 284	EdAd 227	ArEd 296	EdAd 211	EPsy 188
	EdAd 265	EdAd 216	EPsy 159	EdAd 217	EPsy 159	EPsy 190
	EdCI 121	EPsy 133	EPsy 244	EdAd 218	EdCI 103	EPsy 225
	EdCI 149B (II-IV)	EdCI 119	EdCI 103	EPsy 183	EdCI 139**	EPsy 236
	EdCI 189	EdCI 149B (II-IV)	EdCI 108	EPsy 209	EdCI 143A	EdCI 63
	EdCI 250	EdCI 158	EdCI 145	EPsy 225	EdCI 143B	EdCI 125
	EdCI 287	EdCI 170	EdCI 148**	EPsy 236	EdCI 153	EdCI 155A
	PE 115	EdCI 285	EdCI 165B	EPsy 286	EdCI 206	EdCI 157
		EdCI 294	EdCI 241	EdCI 105	EdCI 222	EdCI 169
		Hlth 117B	EdCI 291	EdCI 132	EdCI 231	EdCI 192**
			Ind 109	EdCI 233	HEd 131	EdCI 226°
			PEWP 58°	EdCI 243B	Ind 125	EdCI 258
			PEWP 76°	Ind 135	Ind 251 (IX-XI)	Ind 105
			PE 135†	MuEd 252	PEWP 58°	MuEd 125
				PEMP 71‡	PEWP 76°	PE 224†
				PE 224†	PE 135†	
SPRING QUARTER	EdAd 215	EdAd 231	EdAd 222	ArEd 296	EdAd 226	EdAd 264
	EdCI 122	EdCI 150	EdAd 237	EdAd 216	EPsy 268	EdAd 274
	EdCI 172	EdCI 286	EPsy 148**	EdAd 230	EdCI 141**	EPsy 125†
	EdCI 190	PE 171	EPsy 244	EPsy 125†	EdCI 149C†	EPsy 193†
	EdCI 288		EdCI 109	EPsy 186	EdCI 153	EPsy 226
			EdCI 138**	EPsy 193†	EdCI 204	EdCI 102
			EdCI 143C	EPsy 209	EdCI 208	EdCI 104
			EdCI 144	EPsy 226	EdCI 222	EdCI 113
			EdCI 149C†	EPsy 289	EdCI 243	EdCI 125
			EdCI 194	EdCI 63	HEd 182	EdCI 145
		EdCI 241	EdCI 105	HEd 298	EdCI 151	
		Ind 115	EdCI 124	Ind 100	EdCI 156	
		MuEd 101	EdCI 133	Ind 101	Ind 135	
		Hlth 114†	EdCI 143A	Hlth 114†	Ind 250	
			EdCI 173		MuEd 103	
			EdCI 233			
			HEd 190			
			Ind 110			
			MuEd 253			

KEY

° 4:00-5:00	‡ 4:15-5:30
† 4:00-5:15	** 4:15-6:30
§ 4:00-6:00	†† 4:15-6:45