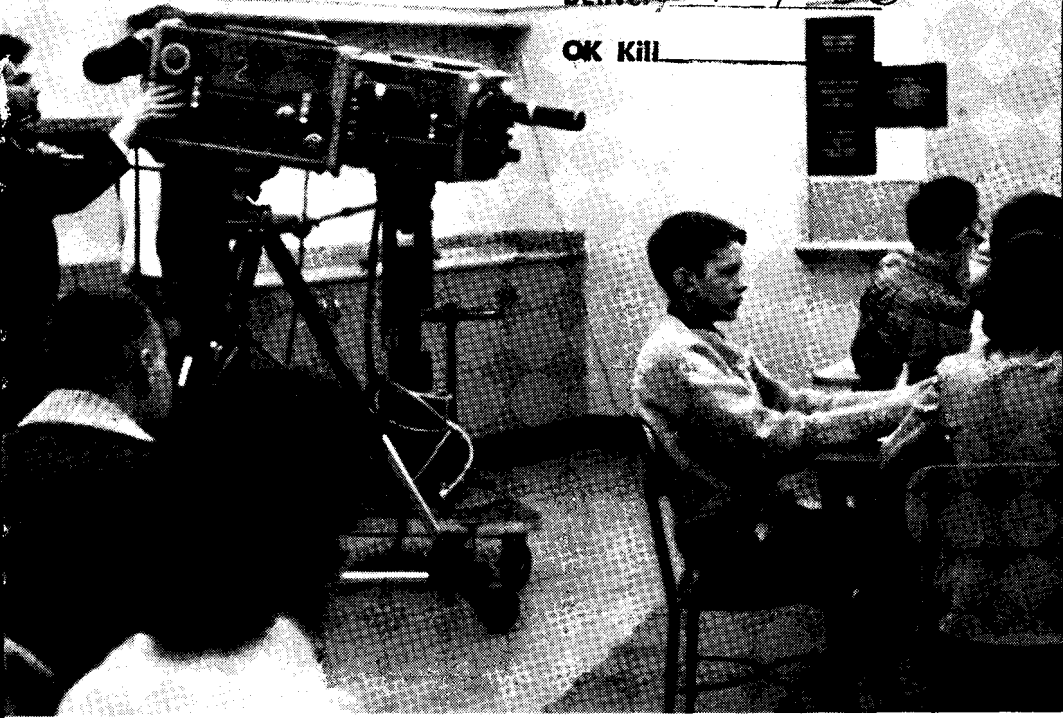


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1965-1966

COLLEGE OF EDUCATION
LATE AFTERNOON AND
SATURDAY MORNING CLASSES

UNIVERSITY OF MINNESOTA BULLETIN

UNIVERSITY OF MINNESOTA

Board of Regents

The Honorable Charles W. Mayo, M.D., Rochester, First Vice President and Chairman; The Honorable Marjorie J. Howard (Mrs. C. Edward), Excelsior, Second Vice President; The Honorable Daniel C. Gainey, Owatonna; The Honorable Bjarne E. Grottum, Jackson; The Honorable Albert V. Hartl, Fergus Falls; The Honorable Robert E. Hess, White Bear Lake; The Honorable Fred J. Hughes, St. Cloud; The Honorable Lester A. Malkerson, Minneapolis; The Honorable William K. Montague, Duluth; The Honorable George W. Rauenhorst, Olivia; The Honorable Otto A. Silha, Minneapolis; The Honorable Herman F. Skyberg, Fisher.

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Robert Edward Summers, Dean of Admissions and Records

Edmund G. Williamson, Dean of Students

College of Education Administration

	<i>Office</i>	<i>Telephone</i>
Robert J. Keller, Dean of the College of Education	204 Burton	373-2241
Marcia Edwards, Associate Dean of the College of Education	204 Burton	373-2241
William H. Edson, Director of Student Personnel	206 Burton	373-2257
Charles J. Glotzbach, Assistant Director of Student Personnel and Chairman, Student Scholastic Standing Committee	206 Burton	373-2257
Gordon M. A. Mork, Director of Student Teaching	229 Burton	373-2244
Arnold Woestehoff, Director, Bureau of Recommendations	102 Burton	373-2266

See list of graduate advisers on pages 18 and 19.

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. All courses numbered 100 or above may apply toward advanced degrees if approved by advisers as part of the graduate program. 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 nonresidents. If 6 or more credits are taken, an incidental fee of \$27 is also required.

The fee in the Graduate School for 6 credits or less or thesis only is \$52 for residents and \$140 for nonresidents. Graduate students taking more than 6 credits pay \$104 (resident) and \$280 (nonresident). The incidental fee of \$27 is required of all students in the Graduate School except teachers in service taking less than 6 credits.

Other fees include a \$1 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 for registration. (See the University Calendar on page 17 for registration dates.) Teachers in service 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.

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 students taking *only* Saturday classes. These students, graduate and undergraduate, should report

for registration in 206 Burton Hall on Saturday morning of the first week of classes (fall quarter, October 2). 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 file transcripts during 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 complete 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 for any quarter must be filed *at least 4 weeks* before the opening of the quarter. 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.

* An application fee of \$10 will be required of all applicants for admission to fall quarter 1966 and subsequent terms.

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.

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 continue for 50 minutes after the beginning time shown below:

I	II	III	IV	V	VI	VII	VIII	IX	X
8:30	9:30	10:30	11:30	12:30	1:30	2:30	3:30	4:30	5:30

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, 1965

See page 3 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 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) III-IV S, WuH 130, Hastie
- 284 Research in Art Education. (3 cr) I-II S, WuH 130, Hastie
- 296 Seminar: Art Education. (1 cr) IX-X T, WuH 130, Gayne and staff

Child Psychology (CPsy)

- 179 Clinical Procedures with Children. (3 cr; prereq 12 cr in educational psychology or psychology or sociology or child psychology) 9:00-11:30 S, CD 218, Reed

Curriculum and Instruction (EdCI)

- 62 Teaching Mathematics in the Elementary School. (3 cr; limited to 60 students; prereq Ed 75A, Math 5) Sec 3, 4:30-5:45 MW, JohH 113, Jackson
- 63 Children's Literature. (2 cr; limited to 50 students) Sec 3, IX-X M, Bu 120, Monson
- 66 Treatment of Learning Difficulties. (3 cr; each section limited to 60 students; prereq 60, 62, ¶ regis in student tchg) Sec 1, IX-X M, FraH B1, Ar; Sec 2, IX-X T, Pt 202, Tyler; Sec 3, IX-X W, Bu 211, Arnold
- 102 Teaching and Supervision of Social Studies in the Elementary School. (3 cr; prereq Ed 75B) I-II S, Pt 202, Keach
- 105 Audio-Visual Materials in Education. (3 cr; prereq sr) I-II S, NH 211, 1 hr ar, Pearson

- 106 Co-ordinating an Audio-Visual Education Program. (3 cr; prereq 105 or #) IX-X M, WeH 206, Pearson
- 107 Radio and Television in Education. (3 cr; limited to 25 students; prereq 9 cr in education) IX-X T, WeH 206, Pearson
- 113 High School Curriculum. (3 cr; prereq Ed 55B) III-IV S, PeikH 165, Firth
- 115 Introduction to Education of Visually Handicapped Children. (3 cr; prereq #) IX-X W, Pt 202, Martin
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B) IX-X W, Bu 123, Goossen
- 121 Literature for the Elementary School. (3 cr) IX-X T, Bu 123, Odland
- 122 Literature for Adolescents. (3 cr; prereq Ed 55B or jr-sr high school tchg experience) I-II S, Bu 123, Kemp
- 124 Foundations of Career Development. (3 cr) IX-X T, Bu 211, Tennyson
- 125 Occupational Information Laboratory. (3 cr; limited to 20 students; prereq #) IX-X Th, Pt 215, Hansen
- 131 Advanced Teaching of Technical Business Subjects. (3 cr) I-II S, Bu 105, Price
- 135 Group Procedures in Guidance. (3 cr; prereq EPsy 133 or #, 9 cr in education) IX-X M, Pt 111, Burks
- 136 Organization and Administration of Distributive Education. (3 cr; limited to 20 students) 4:00-6:20 W, Bu 105, Meyer
- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X Th, Bu 125, 1 hr ar, Clymer
- 143B Materials and Instructional Techniques of Elementary Reading. (3 cr; prereq 60 or 143A or #) IX-X W, Bu 211, 1 hr ar, Manning
- 144 Teaching Reading in the Secondary Schools. (3 cr; prereq 9 cr in education) IX-X T, CD 218, 1 hr ar, Chase
- 145 Reading Difficulties. (3 cr; prereq 143A or 144) III-IV S, Bu 123, 1 hr ar, Bond
- 149A Teaching and Supervision of Mathematics in the Elementary School. (3 cr, §149; prereq 62 or #) 4:30-5:45 TTh, JohH 113, 1 hr ar, Stochl
- 150 Supervision and Improvement of Instruction. (3 cr; prereq 9 cr in education) III-IV S, Bu 120, Lambert
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) I-II S, Bu 211, Rubin
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq Ed 75B) IX-X W, Bu 125, 1 hr ar, Chase
- 155 Materials Laboratory for Social Studies Teachers. (3 cr; prereq #) III-IV S, PeikH 155, Gardner
- 171 Curriculum Laboratory Practice. (0-3 cr; prereq 170A or B, #) IX-X M, PeikH 225, Birkmaier, Firth
- 173B Organizing Units of Instruction in the Secondary School. (3 cr; prereq 113 or #) IX-X Th, Bu 105, Firth
- 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 225, Birkmaier

- 191 Advanced Teaching and Supervision of Secondary Mathematics. (3 cr) IX-X Th, PeikH 315, Donovan Johnson
- 195 Current Developments and Curriculum Construction in English. (3 cr; prereq EdT 75C or 75D) I-II S, PeikH 345, Kegler, Piche
- 200 Organization and Supervision of Business Education. (3 cr; prereq #) IX-X T, Bu 105, Price
- 222 Seminar: Current Problems in Techniques of High School Instruction. (Cr ar or 0 cr; prereq Ed 55B and sr methods) IX-X W, PeikH 275, Firth, Gardner
- 226 Seminar: Elementary School Problems. (0 cr) 4:00-5:00 Th, PeikH 165, Lambert
- 230 Theory and Classical Research in Mathematics Education. (3 cr; prereq 149A or 191 or #) IX-X W, JohH 114, Stochl
- 233 Seminar: Mathematics Education. (0-3 cr; prereq #) IX-X T, PeikH 315, Jackson, David Johnson, Donovan Johnson, Stochl
- 252 Effective College Teaching. (3 cr; prereq 1 yr grad study in any field or 18 cr in education) I-II S, Bu 120, Eckert

Educational Administration (EdAd)

- 101 Public School Administration. (3 cr; prereq sr, 9 cr in education; not open to majors in EdAd) IX-X M, Bu 211, Popper
- 201 Foundations of Educational Administration. (3 cr) IX-X M, Bu 123, Pierce
- 210 Public School Finance. (3 cr) I-II S, Pt 111, 1 hr ar, Domian
- 215 The Elementary School Principalship. (3 cr; prereq 201, 202 or #) IX-X T, CD 105, Lambert
- 224 Legal Aspects of Public School Administration. (3 cr) III-IV S, Pt 111, 1 hr ar, Hooker
- 227 Public School Personnel Programs. (3 cr) IX-X W, WuH 130, 1 hr ar, Davis
- 265 Administering the High School Program. (3 cr) I-II S, PeikH 155, Nickerson

Educational Psychology (EPsy)

- 110 Educational Measurement in the Classroom. (3 cr) IX-X W, Bu 120, Samuels
- 133 Introduction to Guidance. (3 cr; prereq 9 cr in education) III-IV S, Pt 202, Dugan
- 182 Education of Exceptional Children. (3 cr; prereq Ed 55B or 75B) III-IV S, JohH 113, Force
- 187 Education of Crippled Children. (3 cr; prereq 182 or #) IX-X Th, WuH 130, Force
- 188 Education of the Culturally Disadvantaged Child. (3 cr; prereq HEd 90, or CPsy 80) IX-X T, JohH 106, Wood
- 193 Psychology of Human Learning. (3 cr; limited to 75 students; prereq sr) 4:30-5:50 TTh, Bu 120, Neale
- 244 Research in Special Education. (1 cr; prereq 116, 117, and #) IX-X M, Pt 202, Karlsen

282A Field Practice in Guidance. (3 cr; limited to 10 students; prereq #) I-IV S, Bu 125, Burks

History and Philosophy of Education (HEd)

141 Critical Issues in Contemporary Education. (3 cr) III-IV S, Bu 211, Beck

155 History of Western Educational Thought. (3 cr) IX-X Th, Bu 123, Bagley

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)

35 Fundamentals of Vocational Education. (3 cr) IX-X M, TNCD 113, Miletich

40 Analysis and Course Organization. (5 cr) IX-X TTh, TNCD 113, Kavanaugh

100 Industrial Instruction. (3 cr; prereq 40, Ed 55B, #) IX-X W, TNCD 116, Moss

107 Co-ordination. (3 cr; prereq 35 or 125 or #) IX-X T, TNCD 116, Miletich

250 Literature of Industrial Education. (3 cr; prereq #) IX-X Th, TNCD 116, Nelson

Music Education (MuEd)

100 Principles. (3 cr) IX-X T, ScH 104, Ar

104 Advanced Topics: Vocal Music. (3 cr; prereq #) IX-X M, ScH 104, Caswell

Physical Education for Men (PEM)

71 Physiological Application to Sports. (3 cr, §PubH 91, 92; prereq 50 or Anat 57) I-II S, CH 214, Serfass

Physical Education (PE)

113 Physical Education in the Elementary School. (3 cr; prereq elem school experience or #) 4:00-5:15 TTh, NGW 4, Ar

124 Supervision of School Health and Physical Education. (3 cr; prereq #) III-IV S, NGW 4, 1 hr ar, Jaeger

234 The Curriculum in Physical Education. (3 cr; prereq 63, 101) I-II S, CH 215, Richardson

WINTER QUARTER, 1966

See page 3 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 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)

- 158 Art Education in Europe. (3 cr) III-IV S, Ar
- 185 Improving Art Programs in the Secondary School. (3 cr; prereq tchg experience or #) I-II S, Ar

Curriculum and Instruction (EdCI)

- 66 Treatment of Learning Difficulties. (3 cr; each section limited to 60 students; prereq 60, 62, ¶ regis in student tchg) Sec 1, IX-X M, Ar; Sec 2, IX-X T, Ar; Sec 3, IX-X W, Ar
- 105 Audio-Visual Materials in Education. (3 cr; prereq sr) IX-X T, 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), IX-X Th, Pearson
- 114 Development of the Core Curriculum. (3 cr) IX-X Th, Firth
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B) III-IV S, Goossen
- 121 Literature for the Elementary School. (3 cr) I-II S, Odland
- 132 Teaching the Basic Business Subjects. (3 cr) IX-X T, Price
- 135 Group Procedures in Guidance. (3 cr; prereq 9 cr in education, EPsy 133 or #) IX-X Th, Hansen, Burks
- 137A Materials and Methods in Co-operative Part-Time Classes. (3 cr) 4:00-6:20 M, Meyer
- 139 Co-ordination Techniques. (3 cr; limited to 20 students) 4:00-6:20 W, Ashmun
- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) I-II S, 1 hr ar, Clymer
- 149B Materials Laboratory for Elementary School Mathematics Instruction. (3 cr; prereq 62 or 149A or #) 9:30-12:30 S, Jackson
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) IX-X W, Manning

- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq Ed 75B) IX-X T, 1 hr ar, Chase
- 155A Materials Laboratory for Elementary Social Studies Teachers. (3 cr; prereq 61 or 102 or #) IX-X W, Keach
- 165A Mathematics for Gifted Children. (3 cr; prereq 62 or 149A or #) 4:30-5:45 MW, Stochl
- 168 Current Developments in the Social Studies. (3 cr; prereq grad or #) I-II S, McCune
- 169 Extracurricular Activities. (3 cr; prereq Ed 55B) IX-X T, Firth
- 170B Curriculum and Course of Study Construction. (3 cr; prereq 113 or 119 or #) III-IV S, Firth
- 171 Curriculum Laboratory Practice. (0-3 cr; prereq 170A or B, #) IX-X M, Birkmaier, Firth
- 178 Structure and Function of the Eye—Educational Implications. (3 cr; prereq #) III-IV S, Ar
- 180 Education of the Mentally Retarded in the Secondary Schools. (3 cr; prereq EPsy 184) IX-X W, Karlsen, Podolsky
- 189 Materials and Curriculum Construction in Modern Languages. (3 cr; prereq 185 and #) I-II S, Birkmaier
- 190 Current Developments in Secondary School Science Teaching. (3 cr; prereq EdT 68B-C or 68M, equiv undergrad courses or experience in science tchg) I-II S, Cennaro
- 192 Mathematics Laboratory. (3 cr; prereq grad or experienced teacher) II-IV S, David Johnson
- 222 Seminar: Current Problems in Techniques of High School Instruction. (Cr ar or 0 cr; prereq Ed 55B and sr methods) IX-X W, Firth, Gardner
- 226 Seminar: Elementary School Problems. (0 cr) 4:00-5:00 Th, Goossen
- 231 Recent Research in Elementary School Mathematics Instruction. (3 cr; prereq 230 or #) IX-X Th, Stochl
- 233 Seminar: Mathematics Education. (0-3 cr; prereq #) IX-X T, Jackson, David Johnson, Donovan Johnson, Stochl
- 243A Research Foundations for Reading Instruction. (3 cr; prereq 143A, #) IX-X Th, Clymer
- 250 Higher Education in the United States. (3 cr; prereq 1 yr grad study in any field or 18 cr in education) I-II S, Fenske
- 285 Professional Education of Teachers. (3 cr; prereq 15 cr in education including 184 and 250 or HEd 182 or EPsy 250 or #) III-IV S, Mork, Woestehoff
- 291 Research in Mathematics Education. (Cr ar; prereq 191) IX-X W, Donovan Johnson
- 294 Advanced Materials and Methods in Secondary School English. (3 cr; prereq EdT 75C) I-II S, Kegler, Piche

Educational Administration (EdAd)

- 200 Seminar: Elementary School Administration. (3 cr; prereq 215 or #) IX-X T, Lambert

- 202 Foundations of Educational Administration. (3 cr) IX-X T, Pierce
- 230 School Community Relations. (3 cr) IX-X M, Popper
- 231 Workshop: School Community Relations Techniques. (1-4 cr) III-IV S, Popper
- 242 Administrative Organization and Staffing of School Systems. (3 cr; prereq #) IX-X W, Davis
- 264 The Secondary School Principalship. (3 cr) I-II S, Nickerson

Educational Psychology (EPsy)

- 133 Introduction to Guidance. (3 cr; prereq 9 cr in education) III-IV S, Tennyson
- 134 Counseling Procedures. (3 cr; limited to 20 students; prereq 110 or 117, 133, #) IX-X W, Dugan
- 159 Personality Development and Mental Hygiene. (3 cr) 4:00-5:50 MW, Torrance
- 183 Education of Gifted Children. (3 cr; prereq Ed 55B or 75B) IX-X T, Reynolds
- 184 Introduction to Education of the Mentally Retarded. (3 cr; prereq 182) IX-X T, Podolsky
- 188 Education of the Culturally Disadvantaged Child. (3 cr; prereq HEd 90, or CPsy 80) IX-X Th, Wood
- 190 Educational Problems of Cerebral Palsy. (3 cr; prereq 182 or #) IX-X Th, Force
- 193 Psychology of Human Learning. (3 cr; limited to 75 students; prereq sr) 4:30-5:50 TTh, P. Johnson
- 209 Seminar: Research Planning. (1 cr; limited to 10 students) IX-X T, Hoyt
- 244 Research in Special Education. (1 cr; prereq 116, 117 and #) IX-X M, Karlsen
- 282B Supervised Practicum in Counseling. (1-3 cr; limited to 10 students; prereq #) I-IV S, Burks

History and Philosophy of Education (HEd)

- 131 Comparative Education. (3 cr) IX-X W, Beck
- 156 History of Ideas in American Education. (3 cr) IX-X Th, Bagley

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 Th, Ar
- 105 Administration of Industrial Education. (3 cr; prereq 35 or #) IX-X T, Ar
- 109 Conference Leading for Industry. (3 cr; prereq #) IX-X M, Ar
- 251 Research in Industrial Education. (3 cr; prereq #) 4:30-7:20 W, Ar

Music Education (MuEd)

- 102 General Music in Elementary and Junior High Schools. (3 cr; prereq 52 or #) IX-X M, Borg
- 105 Advanced Topics: Instrumental Music. (3 cr; prereq sr) IX-X M, Ar

Physical Education for Women (PEW)

- 53 The Role of the Physical Educator in Recreation. (3 cr; prereq physical education majors) 4:00-5:00 MW, 1 hr ar, Gunderson, Tinker

Physical Education (PE)

- 101 Foundations of Physical Education. (3 cr; prereq grad or M Ed student) I-II S, McAdam
- 117B Advanced Instruction in School Health for Secondary Schools. (3 cr; prereq PEW 83 or #) III-IV S, 1 hr ar, Slocum
- 135 Tests and Measurement in Physical Education. (3 cr; prereq grad or M Ed student, #) 4:30-5:30 MW, McAdam

SPRING QUARTER, 1966

See page 3 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)

84A Teaching Art in the Elementary School. (3 cr; prereq enrollment in IIIA program) I-IV S, Ar

Curriculum and Instruction (EdCI)

- 63 Children's Literature. (2 cr) Sec 3 (limited to 60 students), IX-X W, Monson
- 66 Treatment of Learning Difficulties. (3 cr; each section limited to 60 students; prereq 60, 62, ¶ regis in student tchg) Sec 1, IX-X M, Ar; Sec 2, IX-X T, Ar; Sec 3, IX-X W, Ar
- 101 Driver Education. (3 cr; prereq Δ) I-IV S, Gebhard
- 102 Teaching and Supervision of Social Studies in the Elementary School. (3 cr; prereq Ed 75B) I-II S, Keach
- 103 Teaching Science in the Elementary School. (3 cr; prereq sr, Ed 75B or tchg experience) III-IV S, Goossen
- 104 Adult Education. (3 cr) IX-X Th, Woods
- 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 T, Pearson
- 113 High School Curriculum. (3 cr; prereq Ed 55B) IX-X Th, 1 hr ar, Firth
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B) IX-X T, Lambert
- 120 Education of Blind Students in the Secondary Schools. (3 cr; prereq 118 and #) IX-X M, Ar
- 122 Literature for Adolescents. (3 cr; prereq Ed 55B or jr-sr high school tchg experience) I-II S, Kemp
- 124 Foundations of Career Development. (3 cr) IX-X T, Tennyson
- 125 Occupational Information Laboratory. (3 cr; prereq #) IX-X Th, Hansen
- 133 Consumer Education in the Schools. (3 cr) I-II S, Price
- 138 Training Store and Office Supervisors. (3 cr) 4:00-6:20 M, Meyer

- 141 Co-operative Part-Time Work Experience Programs. (3 cr; limited to 20 students) 4:00-6:20 W, Ashmun, Meyer
- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X W, 1 hr ar, Clymer
- 143C Instructional Leadership in Elementary Reading. (3 cr; prereq 143A or #) I-II S, Manning
- 144 Teaching Reading in the Secondary Schools. (3 cr; prereq 9 cr in education) III-IV S, Chase
- 149C Current Developments in Elementary School Mathematics Instruction. (3 cr; prereq 62 or 149A or #) 4:30-5:45 MW, Stochl
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) IX-X M, Clymer
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq Ed 75B) I-II S, Dykstra
- 158 Materials and Methods in Office and Stenographic Procedures. (3 cr) IX-X T, Price
- 165B Mathematics for Slow Learning Children. (3 cr; prereq 62 or 149A or #) IX-X Th, Jackson
- 171 Curriculum Laboratory Practice. (0-3 cr; prereq 170A or B, #) IX-X M, Birkmaier, Firth, Randleman
- 182 Education of Partially Seeing Children. (3 cr; prereq 115 and 118, #) IX-X W, Ar
- 194 New Content and Methods in Mathematics. (3 cr; prereq experience in tchg mathematics) IX-X MW, David Johnson
- 203 Supervision and Administration of Special Education. (3 cr; prereq #) IX-X T, Force
- 204 Social Studies Curriculum. (3 cr) IX-X M, Gardner
- 222 Seminar: Current Problems in Techniques of High School Instruction (Cr ar or 0 cr; prereq Ed 55B and sr methods) IX-X W, Firth, Gardner
- 226 Seminar: Elementary School Problems. (0 cr) 4:00-5:00 Th, Jackson
- 233 Seminar: Mathematics Education. (0-3 cr; prereq #) IX-X T, Jackson, David Johnson, Donovan Johnson, Stochl
- 251 Curriculum Trends in American Colleges. (3 cr; prereq 1 yr grad study in any field or 18 cr in education) I-II S, Eckert
- 266 Supervision of High School Instruction. (3 cr; prereq EPsy 193, 293, or #) I-II S, Firth
- 286 Professional Education of Teachers. (3 cr; prereq 285 or #) III-IV S, Mork, Woestehoff
- 287 Research Foundations of Secondary School Science Teaching. (3 cr) I-II S, Boeck
- 288 Seminar: Research in Modern Language Learning. (3 cr; prereq 185 and #) I-II S, Birkmaier

Educational Administration (EdAd)

- 167 The Junior High School. (3 cr; prereq 9 cr in education) IX-X M, Popper
- 211 School Business Management. (3 cr; prereq 210 or #) I-II S, Domian

- 218 Seminar: Secondary School Administration. (3 cr; prereq 201 and 202, or #) IX-X W, Popper
- 226 School Plant Planning. (3 cr) IX-X T, Hooker
- 265 Administering the High School Program. (3 cr) IX-X M, Nickerson

Educational Psychology (EPsy)

- 125 Group Dynamics in Education. (3 cr; limited to 50 students) 4:00-5:50 MW, Torrance
- 133 Introduction to Guidance. (3 cr; prereq 9 cr in education) I-II S, Burks
- 134 Counseling Procedures. (3 cr; limited to 20 students; prereq 110 or 117, 133 and #) IX-X W, Dugan
- 152 Introduction to School Psychological Services. (3 cr) IX-X W, Hall
- 182 Education of Exceptional Children. (3 cr; prereq Ed 55B or 75B) IX-X Th, Karlsen
- 186 Education of Emotionally Disturbed and Socially Maladjusted Children. (3 cr; prereq grad or #) 4:30-5:50 TTh, Wilderson
- 244 Research in Special Education. (1 cr per qtr; prereq 116, 117, or #) IX-X M, Podolsky

History and Philosophy of Education (HEd)

- 170 American Pragmatism and Education. (3 cr) IX-X Th, Bagley
- 182 Comparative Philosophies of Education. (3 cr) III-IV S, 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)

- 110 Vocational Guidance. (3 cr; prereq Ed 55B) IX-X Th, Ar
- 115 Supervision of Industrial Education. (3 cr; prereq 35 or 105) IX-X M, Ar
- 135 Industrial Course Construction. (3 cr, §40) IX-X T, Ar
- 155 Critical Issues in Industrial Education. (3 cr) IX-X W, Ar

Physical Education (PE)

- 114 Administration of School Health Education. (3 cr; prereq sr, PEW 83, PubH 50 or #) 4:00-5:15 MW, Slocum
- 123 Advanced Methods of Teaching Physical Education. (3 cr; prereq #) III-IV S, 1 hr ar, Ar
- 171 Applied Physiology. (3 cr; prereq PubH 92 or Phys 51) III-IV S, Alexander

CALENDAR 1965 - 1966

Fall Quarter

September

- 6 Holiday (Labor Day)
- 16 Fall quarter fees due for students registered through September 10
- 16-24 Fall registration
- 24 Last day for registration and payment of fees for the undergraduate colleges
- 27 Fall quarter classes begin
- 30 Opening Convocation, 11:30 a.m.; IV hour classes excused

October

- 1 Last day for registration and payment of fees for the Graduate School and for teachers in service

- 12 Holiday (Columbus Day)
- 23 Homecoming Day

November

- 4 Senate meeting, 3:30 p.m.
- 11 Holiday (Veterans Day)
- 25 Holiday (Thanksgiving)
- 26-27 Classes excused (except Medical School and College of Veterinary Medicine)

December

- 9 Senate meeting, 3:30 p.m.
- 10 Review begins
- 11-17 Final examination period
- 18 Fall quarter closes
Commencement, 8 p.m.

Winter Quarter

December

- 25 Holiday (Christmas Day)
- 27 Winter quarter fees due
- 28-30 Registration resumes; winter quarter fees due for new students in all undergraduate colleges

January

- 1 Holiday (New Year's Day)
- 3 Winter quarter classes begin
- 7 Last day for registration and payment of fees for the Graduate School and teachers in service

February

- 3 Senate meeting, 3:30 p.m.
- 12 Holiday (Lincoln's Birthday)

- 22 Holiday (Washington's Birthday)
- 20-26 University of Minnesota Week

- 24 Charter Day Convocation, 11:30 a.m.; IV hour classes excused

March

- 10 Senate meeting, 3:30 p.m.
- 11 Review begins
- 12-18 Final examination period
- 17 Spring quarter fees due for students in residence winter quarter in undergraduate colleges
- 19 Winter quarter closes
Commencement, 8:30 p.m.

Spring Quarter

March

- 23-25 Registration and payment of fees for new students in all undergraduate colleges
- 28 Spring quarter classes begin

April

- 1 Last day for registration and payment of fees for the Graduate School and for teachers in service
- 8 Holiday (Good Friday)
- 28 Senate meeting, 3:30 p.m.

May

- 11 Cap and Gown Day Convocation, 11:30 a.m.; IV hour classes excused
- 30 Holiday (Memorial Day)

June

- 2 Senate meeting, 3:30 p.m.
- 3 Review begins
- 4-10 Final examination period
- 9 Baccalaureate service, 8 p.m.
- 11 Spring quarter closes
Commencement, 7:30 p.m.

GRADUATE ADVISERS**

Education Fields

Agricultural Education

Harry W. Kitts—208 Horticulture (StP)
R. Paul Marvin—208 Horticulture (StP)
Keith N. McFarland—207 Coffey (StP)
Milo J. Peterson—208 Horticulture (StP)
Gordon I. Swanson—208 Horticulture (StP)

Art Education

Clifton Gayne—135 Wulling
W. Reid Hastie—135 Wulling

Child Psychology

Inquire in 102 Child Development

Curriculum and Instruction

Emma M. Birkmaier (Lang.)—224 Peik
Clarence H. Boeck (Sci.)—370 Peik
Guy L. Bond (Elem.)—254 Burton
Naomi C. Chase (Elem.)—136 Burton
Theodore W. Clymer (Elem.)—520 Johnston
James R. Curtin (Elem.)—250 Burton
Robert Dykstra (Elem.)—248 Burton
Gerald R. Firth (Sec.)—130 Peik
William E. Gardner (Soc. St.)—101 Burton
Eugene D. Gennaro (Sci.)—370 Peik
Carl V. Goossen (Elem.)—136 Burton
Donovan A. Johnson (Math.)—330 Peik
Everett T. Keach (Elem.)—246 Burton
Stanley B. Kessler (Engl.)—230 Peik
Ronald T. Lambert (Elem.)—Burton Hall
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 G. Price (Bus. Ed.)—117 Burton
James E. Stochl (Elem.)—530 Johnston
Roman F. Warmke (Econ. Ed.)—746 Business Administration (West Bank)
Edith West (Soc. St.)—166 Peik

Educational Administration

James R. Curtin (Elem.)—250 Burton
Donald E. Davis (Gen.)—215 Pattee
Otto E. Domian (Gen.)—205 Burton

Gerald R. Firth (Sec.)—130 Peik
Carl V. Goossen (Elem.)—136 Burton
Vernon L. Hendrix (Higher)—215 Pattee
Clifford P. Hooker (Gen.)—203 Burton
Ronald T. Lambert (Elem.)—203 Burton
Van Dyck Mueller (Gen.)—215 Pattee
Neal Nickerson (Gen.)—203 Burton
Douglas R. Pierce (Gen.)—203 Burton
Samuel H. Popper (Gen.)—203 Burton

Educational Psychology

Bruce E. Balow—106 Pattee
Donald H. Blocher—253 Burton
Guy L. Bond—254 Burton
Russell W. Burris—109 Nicholson
Theodore W. Clymer—520 Johnston
Mary E. Corcoran—330 Burton
Willis E. Dugan—249 Burton
Jan D. Duker—226 Child Development
William H. Edson—206 Burton
Charles L. Glotzbach—206 Burton
Theda Hagenah—106 Eddy
Marian D. Hall—226 Child Development
Lorraine S. Hansen—152 Peik
Wells Hively—139 Burton
Cyril J. Hoyt—137 Burton
Paul E. Johnson—139 Burton
Theodore Kellogg—6 Morrill
Donald MacEachern—141 Burton
Jack C. Merwin—101 Eddy
Daniel C. Neale—101 Burton
Clyde A. Parker—255 Burton
Alton L. Raygor—101 Eddy
Maynard C. Reynolds—13 Pattee
Jay S. Samuels—Burton Hall
Martin L. Snoke—200 Eddy
John E. Stecklein—330 Burton
W. Wesley Tennyson—259 Burton
E. Paul Torrance—129 Burton
Frank B. Wilderson—5 Shevlin
Roger E. Wilk—139 Burton

Elementary Education

See Curriculum and Instruction and Educational Administration

Health Education

Ruth E. Grout—1215 Mayo
Helen M. Slocum—158 Norris Gymnasium

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

Higher Education

Ruth E. Eckert—226 Burton
Horace T. Morse—106 Nicholson

History and Philosophy of Education

Ayers L. Bagley—239 Burton
Robert H. Beck—233 Burton
Timothy J. Smith—239 Burton

Home Economics Education

Marjorie M. Brown—121 McNeal (StP)
Roxana R. Ford—117 McNeal (StP)
Fern M. Horn—123 McNeal (StP)
Louise A. Stedman—200 McNeal (StP)

Industrial Education

William A. Kavanaugh—108 TNCD
Jerome Moss, Jr.—103 TNCD
Howard F. Nelson—103 TNCD
Robert R. Randleman—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—205 Cooke
Richard J. Donnelly—220 Cooke

Robert E. McAdam—205 Cooke
Deane E. Richardson—220 Cooke

Physical Education for Women

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

Recreation Leadership

Frederick M. Chapman—204 Cooke

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—106 Pattee
Dewey G. Force, Jr.—110 Shevlin
Rollie R. Houchins—4 Shevlin
Bjorn Karlsen—14 Pattee
Charlotte Podolsky—110 Shevlin
Maynard C. Reynolds—13 Pattee
Frank B. Wilderson—5 Shevlin
Frank H. Wood—5 Shevlin

Teacher Education

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

Summary of Class Schedules, 1965 - 66

Saturday (I-II)	Saturday (III-IV)	Monday (IX-X)	Tuesday (IX-X)	Wednesday (IX-X)	Thursday (IX-X)
FALL QUARTER					
ArEd 284	ArEd 189	EdAd 101	ArEd 296	EdAd 227	EPsy 187
CPsy 179§§	CPsy 179§§	EdAd 201	EdAd 215	EPsy 110	EPsy 193††
EdAd 210	EdAd 224	EPsy 244	EPsy 188	EdCI 62°°	EdCI 125
EdAd 265	EPsy 133	EdCI 62°°	EPsy 193††	EdCI 66	EdCI 143A
EPsy 282A (I-IV)	EPsy 182	EdCI 63	EdCI 66	EdCI 115	EdCI 149A°°
EdCI 102	EPsy 282A (I-IV)	EdCI 66	EdCI 107	EdCI 119	EdCI 173B
EdCI 105	EdCI 113	EdCI 106	EdCI 121	EdCI 136§	EdCI 191
EdCI 122	EdCI 145	EdCI 135	EdCI 124	EdCI 143B	EdCI 226°
EdCI 131	EdCI 150	EdCI 171	EdCI 144	EdCI 153	HEd 155
EdCI 151	EdCI 155	Ind 35	EdCI 149A°°	EdCI 222	Ind 40
EdCI 185	EdCI 184	MuEd 104	EdCI 200	EdCI 230	Ind 250
EdCI 195	HEd 141		EdCI 233	Ind 100	PE 113†
EdCI 252	PE 124		Ind 40		
PEM 71			Ind 107		
PE 234			MuEd 100		
			PE 113†		
WINTER QUARTER					
ArEd 185	ArEd 158	EdAd 230	EdAd 200	EdAd 242	EPsy 188
EdAd 264	EdAd 231	EPsy 159†	EdAd 202	EPsy 134	EPsy 190
EPsy 282B (I-IV)	EPsy 133	EPsy 244	EPsy 183	EPsy 159†	EPsy 193††
EdCI 121	EPsy 282B (I-IV)	EdCI 66	EPsy 184	EdCI 66	EdCI 108
EdCI 143A	EdCI 119	EdCI 108	EPsy 193††	EdCI 139§	EdCI 114
EdCI 149B (II-IV)	EdCI 149B (II-IV)	EdCI 137A§	EPsy 209	EdCI 151	EdCI 135
EdCI 168	EdCI 170B	EdCI 165A°°	EdCI 66	EdCI 155A	EdCI 226°
EdCI 189	EdCI 178	EdCI 171	EdCI 105	EdCI 165A°°	EdCI 231
EdCI 190	EdCI 192 (II-IV)	Ind 109	EdCI 132	EdCI 180	EdCI 243A
EdCI 192 (II-IV)	EdCI 285	MuEd 102	EdCI 153	EdCI 222	HEd 156
EdCI 250	PE 117B	MuEd 105	EdCI 169	EdCI 291	Ind 101
EdCI 294		PEW 53°	EdCI 233	HEd 131	
PE 101		PE 135†	Ind 105	Ind 251††	
				PEW 53°	
				PE 135†	
SPRING QUARTER					
ArEd 84A (I-IV)	ArEd 84A (I-IV)	EdAd 167	EdAd 226	EdAd 218	EPsy 182
EdAd 211	EdCI 101 (I-IV)	EdAd 265	EPsy 186††	EPsy 125†	EPsy 186††
EPsy 133	EdCI 103	EPsy 125†	EdCI 66	EPsy 134	EdCI 104
EdCI 101 (I-IV)	EdCI 144	EPsy 244	EdCI 109	EPsy 152	EdCI 113
EdCI 102	EdCI 286	EdCI 66	EdCI 119	EdCI 63	EdCI 125
EdCI 122	HEd 182	EdCI 109	EdCI 124	EdCI 66	EdCI 165B
EdCI 133	PE 123	EdCI 120	EdCI 158	EdCI 141§	EdCI 228°
EdCI 143C	PE 171	EdCI 138§	EdCI 203	EdCI 143A	HEd 180
EdCI 153		EdCI 149C°°	EdCI 233	EdCI 149C°°	Ind 110
EdCI 251		EdCI 151	Ind 135	EdCI 182	
EdCI 266		EdCI 171		EdCI 194	
EdCI 287		EdCI 194		EdCI 222	
EdCI 288		EdCI 204		Ind 155	
		Ind 115		PE 114†	
		PE 114†			

KEY			
°	4:00- 5:00	†	4:30- 5:30
°°	4:00- 5:45	°°	4:30- 5:45
†	4:00- 5:15	††	4:30- 5:50
††	4:00- 5:50	†††	4:30- 7:20