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LATE AFTERNOON AND
SATURDAY MORNING CLASSES

UNIVERSITY OF MINNESOTA BULLETIN

UNIVERSITY OF MINNESOTA

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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 14 and 15.

Volume LXVI

Number 20

October 15, 1963

UNIVERSITY OF MINNESOTA BULLETIN

Published semimonthly January 1 to December 15 inclusive. Second-class postage paid at Minneapolis, Minnesota. Send change of address notices and other communications to Office of Admissions and Records, University of Minnesota, Minneapolis, Minnesota 55455.

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 \$7.25 per credit for residents of the state and \$20 per credit for nonresidents. If 6 or more credits are taken, an incidental fee of \$20 is also required.

The fee in the Graduate School for 6 credits or less or thesis only is \$45.50 for residents and \$122.50 for nonresidents. Graduate students taking more than 6 credits pay \$91 (resident) and \$245 (nonresident). The incidental fee of \$20 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 may register from Monday through Friday of the first week of the quarter only if it is *impossible* for them to come during the regular registration period. (See the University Calendar on page 16 for registration dates.)

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 9, 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, September 28). Veterans registering under Public Laws 550, 16, 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 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 admissions 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.

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 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, all courses listed before dagger must be completed.
- ‡ 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 fall quarter *Class Schedule* for building abbreviations. A *Class Schedule* will be given to each student with his registration material.

PROGRAM OF COURSES

FALL QUARTER, 1963

See page 3 for explanation of symbols.

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)

- 151 Curriculum Building in Art Education. (3 cr) I-II S, WuH 130, Gayne
- 156 Intercultural Education Through Art. (3 cr) III-IV S, WuH 120, Hastie
- 296 Seminar: Art Education. (1 cr) IX-X T, WuH 130, Gayne, others

Child Development (CD)

- 179 Clinical Procedures with Children. (3 cr; prereq 12 cr in psychology, educational psychology, sociology or child development) IX-X MW, CD 218, Knights

Curriculum and Instruction (EdCI)

- 62 Teaching Mathematics in the Elementary School. (3 cr; limited to 60 students; prereq Ed 75A, Math 5) Sec 4, 4:30-5:45 MW, Pt 202, Jackson
- 63 Children's Literature. (2 cr; limited to 60 students) Sec 4, IX-X M, Bu 120, Peltola
- 66 Treatment of Learning Difficulties. (3 cr; each section limited to 60 students; prereq 60, 62, [stu tchg]) Sec 1, IX-X T, CD 218, Monson; Sec 2, IX-X Th, JohH 114, Tyler
- 102 Teaching and Supervision of Social Studies in the Elementary School. (3 cr; prereq Ed 75B or equiv) III-IV S, Bu 120, Rogers
- 103 Teaching Science in the Elementary School. (3 cr; prereq sr, Ed 75B or tchg exper) IX-X T, Bu 211, Goossen
- 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 Program. (3 cr; prereq 105 or #) IX-X M, WeH 206, Pearson
- 108 Nonprojected Audio-Visual Materials and Equipment Laboratory. (3 cr; prereq 105 or [105]) Lect IX-X T, WeH 206, Pearson; Lab, Sec 2 (limited to 15), IX-X Th, WeH 206, Pearson
- 110 Practicum: Laboratory School Teaching (K-6). (Cr ar; prereq tchg exper, #) Curtin
- 113 High School Curriculum. (3 cr; prereq Ed 55B or equiv) III-IV S, AH 9, Ar

- 115 Introduction to Education of Visually Handicapped Children. (3 cr; prereq #) IX-X W, JohH 105, Kenmore
- 116 Braille I. (3 cr; prereq 115 or #) IX-X TTh, Pt 204, Kenmore
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B or equiv) IX-X W, JohH 106, Goossen
- 121 Literature for the Elementary School. (3 cr) IX-X T, Bu 120, Odland
- 124 Foundations of Career Development. (3 cr; limited to 40 students) Sec 2, IX-X W, Bu 125, Hogan
- 128 Introduction to the Education of Hearing Impaired Children. (3 cr; prereq #) IX-X T, AH 101, Houchins
- 133 Consumer Education in the Schools. (3 cr) IX-X T, Bu 103, Price
- 135 Group Procedures in Guidance. (3 cr; prereq 9 cr in education, EPsy 133 or #) IX-X Th, Bu 103, Burks
- 136 Organization and Administration of Distributive Education. (3 cr) 4:00-6:20 W, Bu 103, Meyer
- 143 Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) I-II S, Bu 123, 1 hr ar, Bond
- 144 Teaching Reading in Secondary Schools. (3 cr; prereq 9 cr in education) IX-X T, Bu 123, 1 hr ar, Chase
- 145 Reading Difficulties. (3 cr; prereq 143 or 144 or equiv) IX-X M, Bu 123, 1 hr ar, Bond
- 149 Teaching and Supervision of Mathematics in the Elementary School. (3 cr; prereq 9 cr in education) 4:00-5:45 TTh, Pt 202, Stochl
- 150 Supervision and Improvement of Instruction. (3 cr; prereq 9 cr in education) III-IV S, Pt 202, Curtin
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) I-II S, CD 226, Wesenberg
- 153 Teaching and Supervision of English in the Elementary School. (3 cr; prereq Ed 75B or equiv) IX-X W, Bu 120, Chase
- 170B Curriculum and Course of Study Construction. (3 cr; prereq 113 or 119 or #) IX-X Th, Bu 120, Ar
- 171 Curriculum Laboratory Practice. (0-3 cr; prereq 170A or B, #) IX-X M, PeikH 225, Birkmaier, Randleman
- 184 Supervision of Student Teaching. (3 cr; prereq 15 cr in education or #) III-IV S, PeikH 175, Mork
- 191 Advanced Teaching and Supervision of Secondary Mathematics. (3 cr) IX-X T, PeikH 315, D Johnson
- 195 Current Developments and Curriculum Construction in English. (3 cr; prereq EdT 75C or D or equiv) I-II S, PeikH 245, Kegler
- 200 Organization and Supervision of Business Education. (3 cr; prereq #) III-IV S, Bu 103, Price
- 204 Social Studies Curriculum. (3 cr) III-IV S, PeikH 315, Gardner
- 222 Seminar: Current Problems in Techniques of High School Instruction. (Cr ar; prereq Ed 55B, sr methods) IX-X W, PeikH 265, Keller, Gardner
- 226 Seminar: Elementary School Problems. (No cr) IX-X Th, PeikH 165, Ar

- 251 Curriculum Trends in American Colleges. (3 cr; prereq yr of grad study in any field or 18 cr in education) I-II S, Bu 103, Eckert
- 280 Supervision of Counseling. (3 cr; prereq #) I-IV S, Bu 125, Burks, staff

Educational Administration (EdAd)

- 101 Public School Administration. (3 cr; prereq sr, 9 cr in education, not open to majors in educational administration) IX-X Th, JohH 105, Popper
- 167 The Junior High School. (3 cr; prereq 9 cr in education) IX-X M, Bu 103, Popper
- 201 Foundations in Educational Administration. (3 cr) IX-X TTh, JohH 106, Cunningham
- 210 Public School Finance. (3 cr) I-II S, Bu 211, 1 hr ar, Domian
- 224 Legal Aspects of Public School Administration. (3 cr) III-IV S, JohH 106, 1 hr ar, Hooker
- 238 Seminar: Research and Theory. (1-3 cr) IX-X M, Bu 125, Cunningham
- 264 The Secondary School Principalship. (3 cr) I-II S, PeikH 145, Keller
- 274 The Junior College. (3 cr) III-IV S, PeikH 145, White

Educational Psychology (EPsy)

- 110 Educational Measurement in the Classroom. (3 cr) 4:00-6:20 W, Bu 211, Hoyt
- 133 Basic Procedures in Student Personnel Work. (3 cr; prereq 9 cr in education) III-IV S, Bu 211, R Johnson
- 134 School Counseling Procedures. (3 cr; prereq 110 or 117, 133, and #) III-IV S, Bu 123, Dugan, Hogan
- 182 Education of Exceptional Children. (3 cr; prereq Ed 55B or Ed 75B) III-IV S, CD 218, Karlsen
- 184 Education of Mentally Retarded Children in the Elementary Schools. (3 cr; prereq 182 or #) IX-X T, CD 226, Force
- 187 Education of Crippled Children. (3 cr; prereq 182 or #) IX-X Th, CD 226, Force
- 193 Psychology of Human Learning. (3 cr; prereq sr) I-II S, Bu 120, Neale
- 200 Seminar Institute in Guidance. (1 cr; limited to 10 students; prereq #) Sec 2, IX-X M, Bu 129, Dugan, Tennyson, Hogan
- 209 Seminar: Research Planning. (1 cr; limited to 12 students) IX-X T, Bu 125, Hoyt
- 244 Research in Special Education. (1 cr; prereq 116, 117 or equiv, #) IX-X M, Psy 109, Karlsen
- 248 Seminar: School Psychology. (1 cr per qtr [3 cr required]; prereq #) IX-X Th, ar, Duker, Hall
- 261 Survey of Theory and Research in Education of the Mentally Retarded. (3 cr; prereq #) IX-X T, NH 107, Orlando
- 282A Field Practice in Guidance. (3 cr; limited to 6 students; prereq counselors in service, #) Sec 2, I-IV S, Bu 129, Burks, Lundgren, Winfrey
- 290 Advanced Counseling Practicum. (3 cr; limited to 9 students; prereq #) I-IV S, Bu 125, Burks, Lundgren, Winfrey

History and Philosophy of Education (HEd)

- 141 Critical Issues in Contemporary Education. (3 cr) IX-X M, Bu 211, Beck
- 155 History of Western Educational Thought. (3 cr) IX-X Th, Bu 123, Bagley
- 296 Seminar: American Social and Educational History. (3 cr, §Hist 296A) 4:00-5:45 W, JohH 122, T 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)

- 35 Fundamentals of Vocational Education. (3 cr) IX-X M, TNCD 113, Widdowson
- 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, Widdowson
- 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, Ivory
- 104 Advanced Topics: Vocal Music. (3 cr; prereq #) IX-X M, ScH 104, Caswell

Physical Education (PE)

- 101 Principles of Physical Education. (3 cr; prereq PEM 55) I-II S, 1 hr ar, CH 214, Richardson
- 118E Problems: Teacher Education in Health, Physical Education, and Recreation. (Cr ar; prereq #) Jaeger, Slocum, Wilson, Hanson
- 124 Supervision of Physical Education. (3 cr; prereq #) III-IV S, NGW 4, 1 hr ar, Jaeger
- 135 Tests and Measurements in Physical Education. (3 cr; prereq EPsy 60 or equiv) 4:00-5:30 MW, NGW 3, Wilson

WINTER QUARTER, 1963

See page 3 for explanation of symbols.

Agricultural Education (AgEd)

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

Art Education (ArEd)

- 184 Improving Art Programs in the Elementary School. (3 cr; prereq tchg exper or #) III-IV S, Gayne
- 185 Improving Art Programs in the Secondary School. (3 cr; prereq tchg exper or #) I-II S, Hastie
- 296 Seminar: Art Education. (1 cr) IX-X T, Gayne, staff

Child Development (CD)

- 248 Clinical Child Psychology. (3 cr; prereq #) IX-X MF, Wirt

Curriculum and Instruction (EdCI)

- 63 Children's Literature. (2 cr; limited to 60 students) Sec 4, IX-X W, Peltola
- 66 Treatment of Learning Difficulties. (3 cr; each section limited to 60 students; prereq 60, 62, §stu tchg) Sec 1, IX-X T, Monson; Sec 2, IX-X Th, Tyler
- 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, Pearson
- 117 Braille II. (3 cr; prereq 116) IX-X TTh, Kenmore
- 118 Education of Blind Children in the Elementary Grades. (3 cr; prereq 115, 116, and #) IX-X W, Kenmore
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B or equiv) III-IV S, Goossen
- 121 Literature for the Elementary School. (3 cr) I-II S, Odland
- 125 Occupational Information Laboratory. (3 cr; prereq #) IX-X Th, Burks
- 139 Co-ordination Techniques. (3 cr) 4:00-6:20 W, Meyer
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) IX-X M, Wesenberg
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq Ed 75B or equiv) III-IV S, Chase
- 161 Curriculum Construction in Business Education. (3 cr; prereq 113) IX-X T, Price
- 165A Arithmetic for Gifted Children. (3 cr) 4:30-5:45 TTh, Stochl
- 166 Current Trends in Kindergarten Education. (3 cr; prereq tchg exper in NKP, #) IX-X W, Headley
- 167 Economic Education Programs. (3 cr; prereq Econ 2 or equiv or #) 4:00-6:00 Th, Warmke
- 168 Current Developments in the Social Studies. (3 cr; prereq grad or #) I-II S, McCune

- 169 Extracurricular Activities. (3 cr; prereq Ed 55B or equiv) III-IV S, Ar
- 171 Curriculum Laboratory Practice. (0-3 cr; prereq 170A or B or #) IX-X M, Birkmaier, Randleman
- 178 Structure and Function of the Eye—Educational Implications. (3 cr; prereq #) III-IV S, Kantar, Kenmore
- 185 Advanced Course in the Teaching of Modern Languages. (3 cr) I-II S, Birkmaier
- 190 Current Developments in Secondary School Science Teaching. (3 cr; prereq EdT 68B or C or 68M, equiv undergrad courses or exper in science tchg) I-II S, Boeck
- 192 Mathematics Laboratory. (3 cr; prereq grad or experienced teacher) IX-X M, D Johnson
- 222 Seminar: Current Problems in Techniques of High School Instruction. (Cr ar; prereq Ed 55B and sr methods) IX-X W, Keller
- 226 Seminar: Elementary School Problems. (No cr) IX-X Th, Ar
- 250 Higher Education in the United States. (3 cr; prereq yr of grad study in any field or 18 cr in education) I-II S, Eckert
- 257 Research in Language Instruction in the Elementary Schools. (3 cr; prereq 153 or equiv) IX-X W, Dykstra
- 280 Supervision of Counseling. (3 cr; prereq #) I-IV S, Burks, staff
- 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 T, D Johnson
- 294* Advanced Materials and Methods in Secondary School English. (3 cr; prereq EdT 75C or equiv) I-II S, Kegl

Educational Administration (EdAd)

- 200 Seminar: Elementary School Administration. (3 cr) IX-X T, Curtin
- 202 Foundations in Educational Administration. (3 cr) IX-X TTh, Cunningham
- 211 School Business Management. (3 cr; prereq 210 or #) IX-X M, Domian
- 218 Seminar: Secondary Education. (Cr ar) IX-X M, Popper
- 227 Teacher and Employee Administration. (3 cr) I-II S, 1 hr ar, Cunningham
- 231 Workshop: School Community Relations Technique. (1-4 cr) III-IV S, Popper
- 237 Seminar: Educational Law. (1-3 cr; prereq 224 or #) III-IV S, Hooker
- 265 Administering the High School Program. (3 cr) I-II S, Keller

Educational Psychology (EPsy)

- 152 Introduction to School Psychological Services. (3 cr) III-IV S, Duker
- 159 Personality Development and Mental Hygiene. (3 cr) I-II S, Rossman
- 183 Education of Gifted Children. (3 cr; prereq Ed 55B or 75B or equiv) IX-X T, Reynolds
- 186 Education of Emotionally Disturbed and Socially Maladjusted Children. (3 cr; prereq grad or #) IX-X Th, Wilderson
- 190 Educational Problems of Cerebral Palsy. (3 cr; prereq 182 or #) IX-X Th, Force
- 191 Education of the Mentally Retarded in Secondary Schools. (3 cr; prereq 182 or #) IX-X W, Karlsen

- 200 Seminar Institute in Guidance. (1-3 cr; limited to 10 students; prereq #) Sec 2, IX-X M, Tennyson, Hogan
- 209 Seminar: Research Planning. (1 cr; limited to 12 students) IX-X T, Hoyt
- 244 Research in Special Education. (1 cr; prereq 116, 117 or equiv, #) IX-X M, Karlsen
- 248 Seminar: School Psychology. (1 cr per qtr [3 cr required]; prereq #) IX-X Th, Duker, Hall
- 262 Functional Analysis of Behavior in Mental Retardates. (3 cr; prereq 261) IX-X T, Orlando
- 282B Supervised Practicum. (1-3 cr; limited to 6 students; prereq #) I-IV S, Burks, Lundgren, Winfrey
- 290 Advanced Counseling Practicum. (3 cr; limited to 9 students; prereq #) I-IV S, Burks, Lundgren, Winfrey
- 293* Psychology of Learning. (3 cr; prereq 12 cr in psychology or educational psychology) I-II S, Neale

History and Philosophy of Education (HEd)

- 131 Comparative Education. (3 cr) I-II S, Ar
- 156 History of Ideas in American Education. (3 cr) IX-X Th, Bagley
- 297 Seminar: American Social and Educational History. (3 cr, §Hist 297A; prereq 296) 4:00-5:45 W, T 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 Th, Kavanaugh
- 105 Administration of Industrial Education. (3 cr; prereq 35 or #) IX-X T, Nelson
- 109 Conference Leading for Industry. (3 cr; prereq #) IX-X M, Widdowson
- 251 Research in Industrial Education. (3 cr; prereq #) IX-X W, Moss

Physical Education (PE)

- 107 Camp Administration. (3 cr; prereq PEM 46 and #) IX-X W and ar, Chapman, Osell, Ostrander
- 117B Advanced Instruction in School Health for Secondary Schools. (3 cr; prereq PEW 83 or #) III-IV S, 1 hr ar, Slocum
- 118E Problems: Teacher Education in Health, Physical Education, and Recreation. (Cr ar; prereq #) Jaeger, Slocum, Wilson, Hanson
- 130 Contributions of Basic Sciences to Physical Education. (3 cr; prereq #) 4:00-5:30 MW, Wilson
- 233 Administration of the Physical Education Program in Secondary Schools. (3 cr; prereq 63) I-II S, 1 hr ar, Richardson
- 261A Seminar: Contemporary Problems in Physical Education. (3 cr; prereq 136, #) 4:00-5:30 TTh, Jaeger, Slocum, Wilson, Hanson

SPRING QUARTER, 1964

See page 3 for explanation of symbols.

Agricultural Education (AgEd)

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

Art Education (ArEd)

- 84A Teaching Art in the Elementary School. (3 cr; limited to IIIA registrants) I-IV S, Hegg
296 Seminar: Art Education. (1 cr) IX-X T, Gayne, staff

Child Development (CD)

- 179 Clinical Procedures with Children. (3 cr; prereq 12 cr in psychology, educational psychology, sociology, or child development) IX-X MW, Hall

Curriculum and Instruction (EdCI)

- 63 Children's Literature. (2 cr; limited to 56 students) Sec 4, IX-X W, Peltola
65 Teaching Science in the Elementary School. (3 cr; limited to 60 students; prereq Ed 75A, 10 cr in natural science) Sec 4, IX-X T, X Th, Goossen
66 Treatment of Learning Difficulties. (3 cr; each section limited to 60 students; prereq 60, 62, ¶[regis in stu tchg]) Sec 1, IX-X T, Wesenberg; Sec 2, IX-X W, Monson; Sec 3, IX-X Th, Tyler
101 Driver Education. (3 cr; limited to 32 students; prereq Δ) I-IV S, Gebhard
102 Teaching and Supervision of Social Studies in the Elementary School. (3 cr; prereq Ed 75B or equiv) IX-X M, Rogers
103 Teaching Science in the Elementary School. (3 cr; prereq sr, Ed 75B or tchg exper) III-IV S, 1 hr ar, Goossen
107 Radio and Television in Education. (3 cr; limited to 30 students; prereq 9 cr in education) IX-X M, Pearson
113 High School Curriculum. (3 cr; prereq Ed 55B or equiv) I-II S, 1 hr ar, Ar
114 Development of the Core Curriculum. (3 cr) IX-X Th, Ar
120 Education of Blind Students in the Secondary Schools. (3 cr; prereq 115, 116, 118, and #) IX-X T, Kenmore
122 Literature for Adolescents. (3 cr; prereq Ed 55B or jr-sr high school tchg exper) I-II S, Kegler
124 Foundations of Career Development. (3 cr) IX-X T, Tennyson
127 Methods of Teaching School Subjects to the Hearing Impaired. (3 cr; prereq Spch 127 or equiv, #) IX-X T, Houchins
132 Teaching the Basic Business Subjects. (3 cr) IX-X T, 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) 4:00-6:20 W, Meyer
143 Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X M, 1 hr ar, Odland
144 Teaching Reading in the Secondary Schools. (3 cr; prereq 9 cr in education) IX-X Th, 1 hr ar, Chase

- 145 Reading Difficulties. (3 cr; prereq 143 or 144 or equiv) IX-X T, 1 hr ar, Bond
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq Ed 75B or equiv) I-II S, 1 hr ar, Dykstra
- 156 Trends in Business Education. (3 cr) III-IV S, Price
- 165B Arithmetic for Gifted Children. (3 cr; prereq 165A) 4:30-5:45 TTh, Stochl
- 171 Curriculum Laboratory Practice. (0-3 cr; prereq 170A or B, #) IX-X T, Birkmaier
- 173B Organizing Units of Instruction in the Secondary School. (3 cr; prereq 113 or #) III-IV S, Ar
- 182 Education of Partially Seeing Children. (3 cr; prereq 115 and 118, #) IX-X W, Kenmore
- 189 Materials and Curriculum Construction in Modern Languages. (3 cr; prereq 183 and #) IX-X Th, Birkmaier
- 194 New Content and Methods in Mathematics. (3 cr; prereq exper in tchg mathematics) IX-X M, D Johnson
- 203 Supervision and Administration of Special Education. (3 cr; prereq #) IX-X T, Force
- 222 Seminar: Current Problems in Techniques of High School Instruction. (Cr ar; prereq Ed 55B and sr methods) IX-X W, Keller
- 226 Seminar: Elementary School Problems. (No cr) IX-X Th, Ar
- 263 Research in Mathematics Instruction in the Elementary School. (3 cr) III-IV S, 1 hr ar, Stochl
- 266 Supervision of High School Instruction. (3 cr; prereq EPsy 193, 293 or #) I-II S, Keller
- 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

Educational Administration (EdAd)

- 118 The Community School. (3 cr; prereq sr, grad) IX-X W, Cunningham
- 215 The Elementary School Principalship. (3 cr) III-IV S, Curtin
- 226 School Plant Planning and Management. (3 cr) IX-X T, Hooker
- 230 School Community Relations. (3 cr) IX-X M, Popper
- 233 Workshop: The Junior High School. (3 cr) IX-X Th, Popper
- 235 Seminar: Educational Administration. (1-3 cr; prereq MA in EdAd or #) I-II S, Domian
- 239 School Principal's Workshop. (4 cr) I-IV S, Cunningham, Popper
- 290 Financing Higher Education. (3 cr; prereq #) III-IV S, Keller

Educational Psychology (EPsy)

- 133 Basic Procedures in Student Personnel Work. (3 cr; prereq 9 cr in education) III-IV S, Dugan, R Johnson
- 134 School Counseling Procedures. (3 cr; prereq 110 or 117, 133 and #) III-IV S, Hogan
- 152 Introduction to School Psychological Services. (3 cr) IX-X W, Duker
- 159 Personality Development and Mental Hygiene. (3 cr) I-II S, Rossman
- 182 Education of Exceptional Children. (3 cr; prereq Ed 55B or 75B) IX-X Th, Karlson

- 186 Education of Emotionally Disturbed and Socially Maladjusted Children. (3 cr; prereq grad or #) IX-X W, Wilderson
- 200 Seminar Institute in Guidance. (1 cr; limited to 30 students; prereq #) Sec 2, IX-X M, Dugan, Tennyson, Burks
- 209 Seminar: Research Planning. (1 cr; limited to 12 students) IX-X T, Hoyt
- 244 Research in Special Education. (1 cr; prereq 116, 117 or equiv, #) IX-X M, Karlsen
- 248 Seminar: School Psychology. (1 cr per qtr [3 cr required]; prereq #) IX-X Th, Duker, Hall
- 259 Personality Theory in Mental Hygiene. (3 cr; prereq grad) I-II S, Torrance
- 263 Education of the Retarded: Research Design and Interpretation. (3 cr; prereq 262) IX-X T, Orlando
- 289 Survey of Special Education Problems. (3 cr; prereq 182 or exper, #) IX-X Th, Reynolds

History and Philosophy of Education (HEd)

- 170 American Pragmatism and Education. (3 cr) IX-X Th, Bagley
- 182 Comparative Philosophies of Education. (3 cr) IX-X M, Beck
- 298 Seminar: American Social and Educational History. (3 cr, §Hist 298A; prereq 297) 4:00-5:45 W, T 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)

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

Music Education (MuEd)

- 103 Psychological Foundations. (3 cr; prereq sr, #) IX-X M, Caswell

Physical Education (PE)

- 104 Teaching Physical Education for the Handicapped Child. (3 cr; prereq #) III-IV S, 1 hr ar, Wilson
- 113 Physical Education in the Elementary School. (3 cr; prereq elem school exper or #) 4:00-5:30 MW, Hanson
- 114 Administration of the School Health Education Program. (3 cr; prereq sr, PEW 83, PubH 50 or #) 4:00-5:30 TTh, Slocum
- 118E Problems: Teacher Education in Health, Physical Education, and Recreation. (Cr ar; prereq #) Jaeger, Slocum, Wilson, Hanson
- 234 The Curriculum in Physical Education. (3 cr; prereq 63, 101 or equiv) I-II S, 1 hr ar, Richardson

Graduate Advisers**

EDUCATION FIELDS

Agricultural Education

R. Paul Marvin—211 Horticulture (StP)
Keith N. McFarland—207 Coffey (StP)
Milo J. Peterson—205 Horticulture (StP)
Gordon Swanson—205 Horticulture (StP)

Art Education

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

Business Education

Ray G. Price—117 Burton

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.)—130 Burton
Naomi C. Chase (Elem.)—136B Burton
Theodore W. Clymer (Elem.)—238 Burton
James R. Curtin (Elem.)—214 Burton
Robert Dykstra (Elem.)—248 Burton
William E. Gardner (Soc. St.)—101C Burton
Carl V. Goossen (Elem.)—136 Burton
Donovan A. Johnson (Math.)—330 Peik
Stanley B. Kegler (Engl.)—230 Peik
George H. McCune (Soc. St.)—103 Westbrook
Warren G. Meyer (Dist. Ed.)—115 Burton
Norine Odland (Elem.)—136 Burton
Neville P. Pearson (Audio-Vis.)—206 Westbrook
Ray G. Price (Bus. Ed.)—117 Burton
Vincent R. Rogers (Elem.)—144 Burton
Edith West (Soc. St.)—166 Peik

Distributive Education

Warren G. Meyer—115 Burton

Economic Education

Roman F. Warmke—1122 Business Administration (West Bank)

Educational Administration

Guy L. Bond (Elem.)—130 Burton
Luvern L. Cunningham (Gen.)—246 Burton
James R. Curtin (Elem.)—214 Burton
Donald E. Davis (Gen.)—201 Burton
Otto E. Domian (Gen.)—209 Burton
Gerald R. Firth (Sec.)
Carl V. Goossen (Elem.)—136 Burton
Clifford P. Hooker (Gen.)—205 Burton
Robert J. Keller (Sec.)—130 Peik
Samuel H. Popper (Gen.)—203 Burton

Educational Psychology

Bruce E. Balow—106 Pattee
Donald H. Blocher—249 Burton

Guy L. Bond—130 Burton
Henry Borow—118 Nicholson
Russell W. Burris—109 Nicholson
Theodore W. Clymer—238 Burton
Raymond O. Collier—226 Burton
Mary E. Corcoran—330 Burton
Willis E. Dugan—139 Burton
Jan D. Duker—210 Pattee
William H. Edson—206 Burton
Charles L. Glotzbach—206 Burton
Theda Hagenah—101 Eddy
Lorraine S. Hansen—152 Peik
Wells Hively—210 TSCE
Joe Hogan—139 Burton
Albert B. Hood—101 Eddy
Cyril J. Hoyt—254 Burton
Theodore Kellogg—105 Morrill
Jack C. Merwin—101 Eddy
Daniel C. Neale—101 Burton
Alton L. Raygor—101 Eddy
Maynard C. Reynolds—14 Pattee
Martin L. Snoko—200 Eddy
John E. Stecklein—330 Burton
W. Wesley Tennyson—139 Burton
E. Paul Torrance—330 Burton
Frank B. Wilderson—108 Pattee
Roger E. Wiik—206 Burton
C. Gilbert Wrenn—139 Burton

Elementary Education

See Curriculum and Instruction and Educational Administration

Health Education

Ruth E. Grout—1215 Mayo
Helen M. Slocum—202 Norris Gymnasium

Higher Education

Ruth E. Eckert—255 Burton
Horace T. Morse—106 Nicholson
C. Gilbert Wrenn—139 Burton

History and Philosophy of Education

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

Home Economics Education

Roxana R. Ford—117 McNeal (StP)
Marjorie M. Brown—121 McNeal (StP)
Amy Jean Holmblade—107 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—32 Peik

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

Library Science

Patricia Pond—3 Walter Library

Music Education

Arnold F. Caswell—214 Scott
Paul Ivory—214 Scott

Nursing Education

Edna L. Fritz—125 Owre

Physical Education for Men

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

Physical Education for Women

Eloise Jaeger—104 Norris Gymnasium
Helen M. Slocum—202 Norris Gymnasium
Marjorie U. Wilson—108 Norris Gymnasium

Recreation Leadership

Frederick M. Chapman—204 Cooke
Gerald B. Fitzgerald—204 Cooke

Secondary Education

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

Special Education

Dewey G. Force, Jr.—14 Pattee
Rollie R. Houchins—12 Pattee
Bjorn Karlsen—13 Pattee
Robert Orlando—103 Pattee
Maynard C. Reynolds—14 Pattee

Teacher Education

Gordon M. A. Mork—229 Burton
Arnold S. Woestehoff—108 Burton

Calendar 1963-64

FALL QUARTER

September

- 2 Holiday (Labor Day)
- 12 Fall quarter fees due for students registered through September 6
- 16-20 Fall registration
- 20 Last day for registration and payment of fees for the undergraduate colleges
- 23 Fall quarter classes begin
- 26 Opening convocation, 11:30 a.m.; IV hour classes excused
- 27 Last day for registration and payment of fees for the Graduate School and for teachers in service

October

- 12 Holiday (Columbus Day)
- 26 Homecoming Day
- 31 Senate meeting, 3:30 p.m.

November

- 11 Holiday (Veterans Day)
- 28 Holiday (Thanksgiving)
- 29-30 Classes excused (except Medical School and College of Veterinary Medicine)

December

- 5 Senate meeting, 3:30 p.m.
- 6 Study day
- 7-13 Final examination period
- 14 Fall quarter closes
Commencement, 8 p.m.

WINTER QUARTER

December

- 25 Holiday (Christmas Day)
- 26 Winter quarter fees due
- 30 Registration resumes

January

- 1 Holiday (New Year's Day)
- 3 Winter quarter fees due for new students in all undergraduate colleges
- 6 Winter quarter classes begin
- 10 Last day for registration and payment of fees for the Graduate School and teachers in service

February

- 6 Senate meeting, 3:30 p.m.
- 12 Holiday (Lincoln's Birthday)
- 22 Holiday (Washington's Birthday)
- 23-29 University of Minnesota Week
- 27 Charter Day Convocation, 11:30 a.m.; IV hour classes excused

March

- 12 Senate meeting, 3:30 p.m.
- 13 Study day
- 14-20 Final examination period
- 19 Spring quarter fees due for students in residence winter quarter in undergraduate colleges
- 21 Winter quarter closes
Commencement, 8:30 p.m.

SPRING QUARTER

March

- 24-26 Registration and payment of all fees for new students in all undergraduate colleges
- 27 Holiday (Good Friday)
- 30 Spring quarter classes begin

April

- 3 Last day for registration and payment of fees for the Graduate School and for teachers in service
- 30 Senate meeting, 3:30 p.m.

May

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

June

- 4 Senate meeting, 3:30 p.m.
- 5 Last class day
- 6 Study day
- 8-13 Final examination period
- 11 Baccalaureate service, 8 p.m.
- 13 Spring quarter closes
Commencement, 8 p.m.

Summary of Class Schedules, 1963-64

Saturday (I-II)	Saturday (III-IV)	Monday (IX-X)	Tuesday (IX-X)	Wednesday (IX-X)	Thursday (IX-X)	Friday (IX-X)
FALL QUARTER						
ArEd 151	ArEd 156	CD 179	ArEd 296	CD 179	Ind 40	
PE 101	PE 124	Ind 35	Ind 40	Ind 100	Ind 250	
Ed CI 105	EdCI 102	MuEd 104	Ind 107	PE 135††	EdCI 66	
EdCI 143	EdCI 113	PE 135††	MuEd 100	EdCI 62##	EdCI 108	
EdCI 151	EdCI 150	EdCI 62##	EdCI 66	EdCI 115	EdCI 116	
EdCI 195	EdCI 184	EdCI 63	EdCI 103	EdCI 119	EdCI 135	
EdCI 251	EdCI 200	EdCI 106	EdCI 108	EdCI 124	EdCI 149††	
EdCI 280 (I-IV)	EdCI 204	EdCI 145	EdCI 116	EdCI 136§§	EdCI 170B	
EdAd 210	EdAd 224	EdCI 171	EdCI 121	EdCI 153	EdCI 226	
EdAd 264	EdAd 274	EdAd 167	EdCI 128	EdCI 222	EdAd 101	
EPsy 193	EPsy 133	EdAd 238	EdCI 133	EPsy 110§§	EdAd 201	
EPsy 282A (I-IV)	EPsy 134	EPsy 200	EdCI 144	HED 296††	EPsy 187	
EPsy 290	EPsy 182	EPsy 244	EdCI 149††		EPsy 248	
		HED 141	EdCI 191		Hed 155	
			EdAd 201			
			EPsy 184			
			EPsy 209			
			EPsy 261			
WINTER QUARTER						
ArEd 185	ArEd 184	CD 248	ArEd 296	Ind 251	Ind 101	CD 248
PE 233	PE 117B	Ind 109	Ind 105	PE 107	PE 261A††	
EdCI 121	EdCI 119	PE 130††	PE 261A††	PE 130††	EdCI 66	
EdCI 168	EdCI 153	EdCI 109	EdCI 66	EdCI 63	EdCI 109	
EdCI 185	EdCI 169	EdCI 151	EdCI 105	EdCI 118	EdCI 117	
EdCI 190	EdCI 178	EdCI 171	EdCI 117	EdCI 139§§	EdCI 125	
EdCI 250	EdCI 285	EdCI 192	EdCI 161	EdCI 166	EdCI 165A##	
EdCI 280 (I-IV)	EdAd 231	EdAd 211	EdCI 165A##	EdCI 222	EdCI 167**	
EdCI 294	EdAd 237	EdAd 218	EdCI 291	EdCI 257	EdCI 226	
EdAd 227	EPsy 152	EPsy 200	EdAd 200	EPsy 191	EdAd 202	
EdAd 265		EPsy 244	EdAd 202	HED 297††	EPsy 186	
EPsy 159			EPsy 183		EPsy 190	
EPsy 282B (I-IV)			EPsy 209		EPsy 248	
EPsy 290 (I-IV)			EPsy 262		Hed 156	
EPsy 293						
Hed 131						
SPRING QUARTER						
ArEd 84A (I-IV)	PE 104	CD 179	ArEd 296	CD 179	Ind 170	
PE 234	EdCI 103	Ind 115	Ind 135	Ind 155	PE 114††	
EdCI 101 (I-IV)	EdCI 156	MuEd 103	PE 114††	PE 113††	EdCI 65	
EdCI 113	EdCI 173B	PE 113††	EdCI 65	EdCI 63	EdCI 66	
EdCI 122	EdCI 263	EdCI 102	EdCI 66	EdCI 66	EdCI 114	
EdCI 153	EdCI 286	EdCI 107	EdCI 120	EdCI 141§§	EdCI 144	
EdCI 266	EdAd 215	EdCI 138§§	EdCI 124	EdCI 182	EdCI 165B##	
EdCI 287	EdAd 290	EdCI 143	EdCI 127	EdCI 222	EdCI 189	
EdAd 235	EPsy 133	EdCI 194	EdCI 132	EdAd 118	EdCI 226	
EdAd 239 (I-IV)	EPsy 134	EdAd 230	EdCI 145	EPsy 186	EdAd 233	
EPsy 159		EPsy 200	EdCI 165B##	HED 298††	EPsy 182	
EPsy 259		EPsy 244	EdCI 171		EPsy 248	
		HED 182	EdCI 203		EPsy 289	
			EdAd 226		Hed 170	
			EPsy 209			
			EPsy 263			

KEY

†† 4:00-5:30

††† 4:00-5:45

** 4:00-6:00

§§ 4:00-6:20

4:30-5:45