



# UNIVERSITY OF MINNESOTA

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See list of graduate advisers on page 22

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Volume LXXII

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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 without notice.

# Continuing Education Classes

(Late Afternoon and Saturday Morning Classes)

## GENERAL INFORMATION

The following program of late afternoon and Saturday morning classes is arranged by the College of Education for teachers in service. 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.

For admission application, the fee is \$10 for all categories, including adult special and graduate students.

The fee for part-time registration in the College of Education is \$11.25 per credit for residents of the state and \$31.75 per credit for nonresidents. If 6 or more credits are taken, an incidental fee of \$37 is also required.

The fee in the Graduate School for 6 credits or less or thesis-only is \$75 for residents and \$190 for nonresidents. Graduate students taking more than 6 credits pay \$150 (resident) and \$380 (nonresident). The incidental fee of \$37 is required of all students in the Graduate School except teachers in service taking less than 6 credits.

Other fees include a \$3 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 advanced registration period (alphabetical control) or during the week before classes begin. Early registration is advised for classes which are limited in size.

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 unless the procedure is started by early afternoon, it is unlikely that it can be completed in time for attending a late afternoon class on the same day. Closing hours for the *final* step in registration at the Office of Admissions and Records are 3:45 p.m., Monday; and 4:15 p.m., Tuesday through Friday afternoons of that week.

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.

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, October 4). 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 *College of Education Bulletin* 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, 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 21). 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 Independent Study Offerings**

Additional courses are available through evening and special classes and independent (correspondence) study. 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 independent (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 are candidates for the M.A. degree, Plan B. These courses are listed in the *Graduate School Bulletin* 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 located at 400-12th Avenue S.E., Minneapolis, Minnesota 55414.

## Human Rights

The University of Minnesota is guided by the principle that there shall be no differences in the treatment of persons because of race, creed, color, or national origin and that equal opportunity and access to facilities shall be available to all. This principle is particularly applicable in the admission of students in all colleges, and in their academic pursuits. It is also applicable in University-owned or University-approved housing, in food services, student unions, extracurricular activities, and all other student services. It is a guiding policy in the employment of students either by the University or by outsiders through the University and in the employment of faculty and civil service staff.

## 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 after 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, 1969

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)**

- 152 Curriculum Building in Art Education. (3 cr) I-II S, WuH 110, Salome
- 189 Application of Aesthetic Theory in Education. (3 cr) III-IV S, WuH 130, Hastie
- 296 Seminar: Art Education. (1 cr) IX-X T, WuH 130, Gayne

### **Business Education (BsEd)**

- 131 Advanced Teaching of Technical Business Subjects. (3 cr, §EdCI 131) IX-X T, PeikH 255, McLean
- 133 Consumer Education in the Schools. (3 cr, §EdCI 133) IX-X Th, PeikH 255, Hopkins, Price
- 156 Trends in Business Education. (3 cr, §EdCI 156) I-II S, PeikH 275, Ar
- 157 Organization and Supervision of Business Education. (3 cr, §EdCI 200; prereq #) III-IV S, PeikH 275, Ar

### **Curriculum and Instruction (EdCI)**

- 63 Children's Literature. (3 cr; limited to 50 students) Sec 5, IX-X W, Bu 120, Stein



- 102 Teaching Social Studies in the Elementary School. (3 cr; prereq Ed 75B) IX-X W, 1 hr ar, Pt 214, Ellis
- 105 Audio-Visual Materials in Education. (3 cr; prereq sr) I-II S, 1 hr ar, NH 211, Pearson
- 106 Coordinating an Audio-Visual Education Program. (3 cr; prereq 105 or #) IX-X T, WeH 206, Pearson
- 108 Nonprojected Audio-Visual Materials and Equipment Laboratory. (3 cr; lab limited to 15 students; prereq 105 or ¶105) Lect IX-X M, WeH 206, Pearson; Lab, sec 2, IX-X Th, WeH 206
- 112 Family Life Education. (3 cr; limited to 30 students) IX-X W, NH 207, Hey
- 113 Principles of Secondary School Curriculum. (3 cr; prereq Ed 55B) IX-X T, PeikH 325, Hill
- 114 Interdisciplinary Approaches to Curriculum. (3 cr) IX-X T, PeikH 335, Kimpston
- 121 Literature for the Elementary School. (3 cr) IX-X W, 1 hr ar, NH 207A, Biesbrock
- 122A Teaching Literature in Secondary Schools. (3 cr; limited to 50 students; prereq Ed 55B or jr-sr high school tchg exper) IX MWF, Arch 45, Ar
- 129 Trends and Issues in Secondary Curriculum. (3 cr; prereq 113 or equiv) IX-X Th, PeikH 325, Kimpston
- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X M, 1 hr ar, Bu 120, Clymer
- 143B Materials and Instructional Techniques of Elementary Reading. (3 cr; prereq 60 or 143A or #) IX-X T, 1 hr ar, Bu 123, Manning
- 144 Teaching Reading in the Secondary Schools. (3 cr; prereq 9 cr in education) IX-X M, 1 hr ar, Bu 123, Chase
- 150 Supervision and Improvement of Instruction. (3 cr; limited to 30 students; prereq 9 cr in education) III-IV S, 1 hr ar, Bu 120, Lambert
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) IX-X T, 1 hr ar, Bu 125, Schreiner
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq 64 or elem school tchg exper) III-IV S, 1 hr ar, Bu 123, Chase
- 153A Materials Laboratory for Teaching English in Elementary Schools. (3 cr; prereq 64 or elem school tchg exper) IX-X Th, 1 hr ar, Bu 123, Dykstra
- 155 Materials Laboratory for Social Studies Teachers. (3 cr; limited to 20 students; prereq #) IX-X M, PeikH 165, West
- 185 Advanced Course in the Teaching of Modern Languages. (3 cr) I-II S, PeikH 225, Birkmaier
- 195A Curriculum Development in Secondary English and Speech. (3 cr; prereq EdT 75C or equiv) IX TTh, PeikH 165, Shroyer
- 222 Seminar: Secondary Curriculum and Instruction. (1 cr per qtr, total 3 cr; prereq 113) IX-X M, PeikH 325, Birkmaier, Hill, Kimpston

- 241 Seminar: Advanced Study in Supervision and Curriculum Development. (1 cr per qtr, total 3 cr; prereq 113, 170 or 172) IX-X W, PeikH 325, Birkmaier, Hill
- 251 Curriculum Trends in American Colleges. (3 cr; prereq 18 cr in education or 1 yr grad study in any field) I-II S, Bu 125, Eckert, Moen

### **Distributive Education (DE)**

- 136 Organization and Administration of Distributive Education. (3 cr, §EdCI 136) 4:15-6:30 W, PeikH 275, Klaurens, Meyer
- 147 Workshop: Teaching Display. (3 cr, §EdCI 147; prereq #) 4:15-6:30 M, PeikH 275, Klaurens

### **Educational Administration (EdAd)**

- 167 Junior High School. (3 cr; prereq 9 cr in education) IX-X T, CD 218B, Popper
- 201 Foundations of Educational Administration. (3 cr) IX-X TTh, Arch 15, Ammentorp, Hooker
- 202 Foundations of Educational Administration. (3 cr) III-IV S, Bu 125, Mueller, Stark
- 210 Public School Finance. (3 cr) IX-X Th, Bu 125, Mueller
- 215 The Elementary School Principalship. (3 cr; prereq 201 and 202 or #) IX-X W, Bu 125, Alkire
- 216 Recent Research in Elementary School Administration. (3 cr; prereq 215) I-II S, Bu 123, Cross
- 224 Legal Aspects of Public School Administration. (3 cr) IX-X M, Bu 125, Ar
- 227 Public School Personnel Programs. (3 cr) III-IV S, CD 218B, Kaye
- 265 Administering the High School Program. (3 cr) I-II S, PeikH 155, Ar
- 274 The Junior College. (3 cr) IX-X M, CD 105, Morgan

### **Educational Psychology (EPsy)**

- 110 Educational Measurement in the Classroom. (3 cr) IX-X MW, Arch 55, Terwilliger
- 133 Introduction to Guidance. (3 cr; prereq 9 cr in education) IX-X W, 1 hr ar, Pt 102, Tennyson
- 148 Clinical Diagnosis of Reading Difficulties. (3 cr; limited to 20 students; prereq EdCI 145) IX-X Th, NH 207, Goins
- 165 Education of Learning-Disabled Children. (3 cr) IX-X W, Pt 110, Deno

- 188 Education of the Disadvantaged. (3 cr; prereq 12 cr in psychology, educational psychology, or sociology) IX-X TTh, AH 150, Wood
- 209 Seminar: Research Planning. (1 cr) IX-X W, Bu 330, Hoyt
- 249A Seminar: Research in School Psychology. (1 cr per qtr, total 3 cr; prereq #) IX-X M, rm ar, Callahan
- 254 Measurement and Evaluation in Higher Education. (3 cr) IX-X W, CD 218B, Corcoran

## History and Philosophy of Education (HEd)

- 110 Intercultural Education: Social Science Theories and Perspectives. (3 cr) IX-X M, Pt 102, Harkins
- 141 Critical Issues in Contemporary Education. (3 cr) IX-X W, NH 211, Beck
- 155 History of Western Educational Thought. (3 cr) IX-X M, Pt 110, 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, PeikH 65, Miletich
- 40 Analysis and Course Organization. (3 cr) IX-X TTh, PeikH 65, Ar
- 101 Tests in Industrial Subjects. (3 cr; prereq Ed 55B) IX-X W, PeikH 155, Pucel
- 107 Coordination. (3 cr; prereq 35 or 125 or #) IX-X Th, PeikH 155, Miletich
- 110 Vocational Guidance. (3 cr; prereq Ed 55B) IX-X M, PeikH 155, Ar
- 155 Critical Issues in Industrial Education. (3 cr) IX-X T, PeikH 155, Moss

## Mathematics Education (MthE)

- 111 Teaching and Supervision of Mathematics in the Elementary School. (3 cr, §EdCI 149A; limited to 30 students; prereq EdCI 62 or #) 4:15-5:30 MW, Pt 111, Jackson
- 112 Teaching and Supervision of Mathematics in the Secondary School. (3 cr, §EdCI 191; prereq mathematics tchg exper or #) 4:15-5:30 MW, PeikH 315, David C Johnson
- 290 Seminar: Mathematics Education. (0-3 cr, §EdCI 233; prereq #) IX-X T, PeikH 315, David C Johnson

## **Music Education (MuEd)**

- 104 Advanced Topics: Vocal Music. (3 cr; prereq #) III-IV S, ScH 4, Holliday
- 105 Selection of Instrumental Material I. (3 cr; prereq #) IX-X Th, ScH 103, Turrentine
- 113 Bibliography. (3 cr) IX-X W, ScH 103, Turrentine
- 251 Seminar: Curriculum Development. (3 cr; prereq MA in music or music education) IX-X T, ScH 103, Borg, Turrentine

## **Professional Physical Education Courses for Men and Women (PE)**

- 104 Teaching Physical Education for the Handicapped Child. (3 cr; prereq #) 4:00-6:00 M, 1 hr ar, NGW 3, Cato
- 136 Introduction to Research. (3 cr; prereq #) 4:00-5:15 TTh, CH 420, Alexander
- 140 Analysis of Movement in Gymnastics. (3 cr; prereq 51, PEMP 84 or PEWP 57 or #) III-IV S, 1 hr ar, CH 420, Bird
- 260 Administration: General Principles and Procedures. (3 cr) III-IV S, 1 hr ar, NGW 4, Jaeger

## WINTER QUARTER, 1970

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)**

284 Research in Art Education. (3 cr) III-IV S, Gayne

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

### **Business Education (BsEd)**

130 Instruction in Business Data Processing. (3 cr, §EdCI 130) IX-X W, Ar

132 Teaching the Basic Business Subjects. (3 cr, §EdCI 132) IX-X Th, Ar

### **Curriculum and Instruction (EdCI)**

102 Teaching Social Studies in the Elementary School. (3 cr; prereq Ed 75B or equiv) III-IV S, 1 hr ar, Cogan

103B Elementary School Science: Curriculum and Supervision. (3 cr; prereq 65 or 103 or 103A) IX-X Th, Ar

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; lab limited to 15 students; prereq 105 or ¶105) Lect IX-X M; Lab, sec 2, IX-X Th, Pearson

112 Family Life Education. (3 cr) 4:15-6:00 W, Hey

- 113 Principles of Secondary School Curriculum. (3 cr; prereq Ed 55B or equiv) III-IV S, 1 hr ar, Hill
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B) III-IV S, 1 hr ar, Ar
- 120C Elementary School Science: Materials and Resources. (3 cr; prereq 103B) IX-X W, Pt 102, Ar
- 121 Literature for the Elementary School. (3 cr) I-II S, 1 hr ar, Odland
- 122A Teaching Literature in Secondary Schools. (3 cr; limited to 50 students; prereq Ed 55B or jr-sr high school tchg exper) IX MWF, Ar
- 125 Occupational Information Laboratory. (3 cr; prereq #) IX-X Th, Ar
- 143A Teaching and Supervision of Reading in the Elementary School. (3 cr; prereq 9 cr in education) IX-X M, 1 hr ar, Clymer
- 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) 10:15-12:30 S, 1 hr ar, Schreiner
- 155A Materials Laboratory for Elementary Social Studies Teachers. (3 cr, §EdCI 155; prereq 61 or 102 or #) IX-X T, 1 hr ar, Ellis
- 168 Current Developments in the Social Studies. (3 cr; limited to 20 students; prereq grad or #) I-II S, McCune
- 169 Student Activity Programs in Secondary Schools. (3 cr; prereq Ed 55B) 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
- 195B Sources for Curriculum Development in English and Speech. (3 cr; prereq 195A or #) IX TTh, Shroyer
- 209 Seminar: Elementary Social Studies Education. (3 cr; prereq 61 or 102, and 208 or #) IX-X Th, 1 hr ar, Ryan
- 222 Seminar: Secondary Curriculum and Instruction. (1 cr per qtr, total 3 cr; prereq 113) IX-X M, Birkmaier, Hill, Kimpston
- 241 Seminar: Advanced Study in Supervision and Curriculum Development. (1 cr per qtr, total 3 cr; prereq 113, 170 or 172) IX-X W, Birkmaier, Kimpston
- 250 Higher Education in the United States. (3 cr; prereq 18 cr in education or 1 yr grad study in any field) III-IV S, Corcoran
- 251 Curriculum Trends in American Colleges. (3 cr; prereq 18 cr in education and 1 yr grad study in any field) 3:45-5:00 TTh, Moen
- 252 Effective College Teaching. (3 cr; prereq 18 cr in education or 1 yr grad study in any field) I-II S, Eckert
- 258 Research in Skill Development in Spelling, Handwriting, and Listening. (3 cr; prereq 153) IX-X Th, Dykstra

- 285 Professional Education of Teachers. (3 cr per qtr; prereq 15 cr in education incl 184 and 250 or HED 182 or EPsy 250 or #) III-IV S, Woestehoff
- 287 Research Foundations of Secondary School Science Teaching. (3 cr) I-II S, Boeck

### **Distributive Education (DE)**

- 137A Materials and Methods in Cooperative Part-Time Classes. (3 cr, §EdCI 137A) 4:15-6:30 M, Ashmun, Klaurens
- 139 Coordination Techniques. (3 cr, §EdCI 139) 4:15-6:30 W, Ashmun, Meyer
- 146 Issues and Trends in Distributive Education. (3 cr, §EdCI 146; prereq sr or grad and #) 4:15-6:30 M, Meyer
- 160 Materials Laboratory, Occupational Relations. (3 cr, §EdCI 160; prereq 137A, 90C or #) 4:15-6:30 T, Klaurens, Meyer

### **Educational Administration (EdAd)**

- 103 Supervision and Administration of Special Education. (3 cr, §EdCI 203; prereq #) IX-X T, Weatherman
- 202 Foundations of Educational Administration. (3 cr) IX-X T, Alkire, Mueller
- 217 Seminar: Elementary School Administration. (3 cr, §200; prereq 216 or #) IX-X M, Cross
- 242 Administrative Organization and Staffing of School Systems. (3 cr; prereq #) IX-X W, Ar
- 253 Administration in Higher Education. (3 cr; prereq EdCI 250) IX-X M, Ammentorp
- 275 Junior College Administration. (3 cr; prereq 274 or #) IX-X W, Morgan

### **Educational Psychology (EPsy)**

- 159 Personality Development and Mental Hygiene. (3 cr) IX-X MW, Holzinger
- 183 Education of Gifted Children. (3 cr; prereq Ed 55B or 75B or equiv) IX-X T, Feldman
- 193 Psychological Analysis of Instruction. (3 cr) IX-X MW, Samuels
- 195 Experimental Analysis of Instruction. (3 cr; prereq 192 or Psy 117 or #) IX-X TTh, Hively
- 209 Seminar: Research Planning. (1 cr per qtr) IX-X W, Hoyt
- 249B Seminar: Research in School Psychology. (1 cr per qtr, total 3 cr; prereq #) IX-X M, Callahan

## **History and Philosophy of Education (HEd)**

- 111 Intercultural Education: Indian-American Population. (3 cr) IX-X M, Harkins
- 125 Adolescence in Changing Social Institutions. (3 cr) IX-X W, Clark
- 131 Comparative Education. (3 cr) IX-X W, Beck
- 156 History of Ideas in American Education. (3 cr) IX-X M, 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)**

- 103 Instructional Aids. (3 cr; prereq 55 or 100 or equiv) IX-X T, Ar
- 105 Administration of Industrial Education. (3 cr; prereq 35 or #) IX-X Th, Miletich
- 109 Conference Leading for Industry. (3 cr; prereq #) IX-X W, Miletich
- 125 Philosophy and Practice of Industrial Education. (3 cr, §35) IX-X M, Miletich
- 135 Industrial Course Construction. (3 cr, §40) IX-X T, Ar
- 251 Research. (3 cr; prereq #) IX-XI W, Ar

## **Mathematics Education (MthE)**

- 122 Materials Laboratory for Secondary School Mathematics Instruction. (3 cr, §EdCI 192 or §EdCI 192A; prereq 112 or #) 4:15-6:45 M, Randall Johnson
- 131 Current Developments in Elementary School Mathematics Instruction. (3 cr, §EdCI 149C; limited to 30 students; prereq 111 or #) 4:15-5:30 MW, Jackson
- 166 Computer-Assisted Mathematics Instruction. (3 cr, §EdCI 192B; prereq 111 or 112 or EdT 67A or #) 4:15-6:45 W, David C Johnson
- 200 Theory and Classical Research in Mathematics Education. (3 cr, §EdCI 230; limited to 30 students; prereq 111 or 112 or #) IX-X Th, Stochl
- 290 Seminar: Mathematics Education. (0-3 cr, §EdCI 233; prereq #) IX-X T, Stochl

## **Music Education (MuEd)**

- 101 Philosophies of Music Education. (3 cr) IX-X M, Borg



- 106 Music and the Humanities in the Secondary Schools. (3 cr; prereq Mus 6T and 36 or #) IX-X T, Steen
- 145 Selection of Instrumental Materials II. (3 cr; prereq #) IX-X Th, Turrentine
- 170 Recent Research and Literature. (3 cr) IX-X W, Turrentine
- 252 Seminar: Curriculum Development. (3 cr per qtr; prereq 251) IX-X T, Borg, Turrentine

### **Professional Physical Education Courses for Men and Women (PE)**

- 115 Advanced Kinesiology. (3 cr; prereq undergrad course in kinesiology, or #) III-IV S and ar, Wilson
- 202 Professional Preparation of Physical Education Teachers. (3 cr; prereq 102 or equiv) 4:00-6:00 M, 1 hr ar, Richardson
- 224A Research Problems. (3 cr; prereq 136, EPsy 116 or #) 4:00-6:00 TTh, Chapman, Slocum
- 292 Seminar: Kinesiology. (3 cr; prereq 290 or 291, #) 4:00-6:00 T and ar, Serfass, Wilson

### **Recreation and Park Administration (Rec)**

- 170 Financing Public Recreation. (3 cr) 4:00-6:00 Th, Ruhe
- 224A Research Problems. (3 cr; prereq 136, EPsy 116 or #) 4:00-6:00 Th, Anderson

### **School Health Education (Hlth)**

- 117B Advanced Instruction in School Health for Secondary Schools. (3 cr; prereq 83 or #) 4:00-6:00 W, 1 hr ar, Slocum

## SPRING QUARTER, 1970

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)**

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

### **Business Education (BsEd)**

- 133 Consumer Education in the Schools. (3 cr, §EdCI 133) IX-X T, Hopkins, Price
- 139 Office Coordination Techniques. (3 cr, §EdCI 139 or DE 139) I-II S, Ar
- 158 Materials and Methods in Office and Stenographic Procedures. (3 cr, §EdCI 158) III-IV S, Ar

### **Curriculum and Instruction (EdCI)**

- 102 Teaching Social Studies in the Elementary School. (3 cr; prereq Ed 75B or equiv) IX-X T, 1 hr ar, Ryan
- 104 Adult Education. (3 cr; limited to 40 students) IX-X W, Woods
- 105 Audio-Visual Materials in Education. (3 cr; prereq sr) IX-X T, 1 hr ar, Pearson

- 107 Radio and Television in Education. (3 cr; limited to 30 students; prereq 9 cr in education) IX-X M, Pearson
- 112 Family Life Education. (3 cr; limited to 30 students) 4:15-6:00 W, Hey
- 113 Principles of Secondary School Curriculum. (3 cr; prereq Ed 55B or equiv) IX-X Th, Kimpston
- 119 Elementary School Curriculum. (3 cr; prereq Ed 75B or equiv) IX-X T, 1 hr ar, Goossen
- 143C Instructional Leadership in Elementary Reading. (3 cr; prereq 143A or equiv) IX-X M, 1 hr ar, Manning
- 145 Reading Difficulties. (3 cr; prereq 143A or 144) IX-X Th, 1 hr ar, Manning
- 150 Supervision and Improvement of Instruction. (3 cr; limited to 30 students; prereq 9 cr in education) III-IV S, 1 hr ar, Ar
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cr) IX-X W, 1 hr ar, Schreiner
- 153 Teaching and Supervision of English in the Elementary Schools. (3 cr; prereq 64 or elem school tchg exper) IX-X Th, 1 hr ar, Dykstra
- 166 Current Trends, Kindergarten Education. (3 cr; prereq tchg exper in kindergarten or primary or #) III-IV S, 1 hr ar, Hansen
- 172 Supervision of Secondary Instruction. (3 cr; prereq 113) IX-X Th, 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, or equiv undergrad courses or exper in science tchg) I-II S, Gennaro
- 204 Social Studies Curriculum. (3 cr; limited to 25 students) IX-X W, Gardner, Mackey, West
- 211 Seminar: Elementary School Social Studies and the Social Sciences. (3 cr; prereq 102, 155A and #) IX-X W, Ellis
- 213 Research Foundations of Elementary School Science Teaching. (3 cr; prereq 103 or #) IX-X Th, 1 hr ar, Humphreys
- 222 Seminar: Secondary Curriculum and Instruction. (1 cr per qtr, total 3 cr; prereq 113) IX-X M, Birkmaier, Kimpston
- 241 Seminar: Advanced Study in Supervision and Curriculum Development. (1 cr per qtr, total 3 cr; prereq 113, 170 or 172) IX-X W, Birkmaier, Hill
- 252 Effective College Teaching. (3 cr; prereq 18 cr in education or 1 yr grad study in any field) 3:45-5:00 TTh, Eckert
- 286 Professional Education of Teachers. (3 cr; prereq 285) III-IV S, Woesthoff
- 288 Seminar: Research in Modern Language Learning. (3 cr; prereq 185 or #) I-II S, Birkmaier
- 294 Strategies and Problems of Instruction in English. (3 cr; prereq EdT 75C or equiv) IX TTh, Piche

## **Distributive Education (DE)**

- 138 Training Store and Office Supervisors. (3 cr, §EdCI 138) 4:15-6:30 M, Ashmun, Klaurens
- 141 Cooperative Occupational Education Programs. (3 cr, §EdCI 141) 4:15-6:30 W, Klaurens, Meyer
- 148 Post-Secondary Business and Distributive Education. (3 cr, §EdCI 148) 4:15-6:30 T, Ashmun, Meyer

## **Educational Administration (EdAd)**

- 201 Foundations of Educational Administration. (3 cr) IX-X TTh, Ammentorp
- 202 Foundations of Educational Administration. (3 cr) III-IV S, Alkire
- 211 School Business Management. (3 cr; prereq 210 or #) IX-X W, Mueller
- 215 The Elementary School Principalship. (3 cr; prereq 201 and 202, or #) I-II S, Cross
- 226 School Plant Planning. (3 cr) IX-X Th, Alkire, Sederberg
- 230 School Community Relations. (3 cr) IX-X T, Popper
- 237 Seminar: Educational Law. (1-3 cr; prereq 224 or #) IX-X W, Hooker
- 265 Administering the High School Program. (3 cr) IX-X M, Nickerson
- 290 Financing Higher Education. (3 cr; prereq #) IX-X W, Morgan

## **Educational Psychology (EPsy)**

- 110 Educational Measurement in the Classroom. (3 cr) IX-X MW, Terwilliger
- 125 Social Psychology of Education. (3 cr) IX-X TTh, David W Johnson
- 186 Education of Emotionally Disturbed and Socially Maladjusted Children. (3 cr; prereq grad or #) IX-X Th, Ar
- 188 Education of the Disadvantaged. (3 cr; prereq 12 cr in psychology, educational psychology, or sociology) IX-X T, Ar
- 193 Psychological Analysis of Instruction. (3 cr) IX-X TTh, Garrard
- 194 Experimental Analysis of Instruction I. (3 cr; prereq 192 or #) IX-X TTh, Hively
- 209 Seminar: Research Planning. (1 cr per qtr) IX-X W, Hoyt
- 249C Seminar: Research in School Psychology. (1 cr per qtr, total 3 cr; prereq #) IX-X M, Callahan
- 289 Survey of Special Education Problems. (3 cr; prereq 182 or exper and #) IX-X T, Reynolds, Weatherman

## **History and Philosophy of Education (HEd)**

- 113 Intercultural Education: Afro-American Populations. (3 cr) IX-X Th, Harkins
- 121 Analysis in Educational Philosophy. (3 cr) III-IV S, Pilapil
- 170 American Pragmatism and Education. (3 cr) IX-X M, Bagley
- 182 Comparative Philosophies of Education. (3 cr) IX-X W, Beck
- 242 Seminar: Educational Philosophy. (3 cr; prereq #) IX-X Th, 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)**

- 101 Tests in Industrial Subjects. (3 cr; prereq Ed 55B) IX-X T, Pucel
- 110 Vocational Guidance. (3 cr; prereq Ed 55B) IX-X T, Nelson
- 115 Supervision of Industrial Education. (3 cr; prereq 35 or 105) IX-X W, Van Tries
- 250 Literature of Industrial Education. (3 cr; prereq #) IX-X W, Nelson

## **Mathematics Education (MthE)**

- 132 New Content and Methods in Secondary School Mathematics Instruction. (3 cr, §EdCI 194; prereq 112 or #) IX-X M, David C Johnson
- 270 Research in Mathematics Education. (3 cr; prereq 200 or #) IX-X W, David C Johnson
- 290 Seminar: Mathematics Education. (0-3 cr, §EdCI 233; prereq #) IX-X T, Jackson

## **Music Education**

- 103 Psychological Foundations. (3 cr; prereq #) IX-X Th, Turrentine
- 121 Music for Exceptional Children. (3 cr; prereq 56 or #) IX-X M, Borg
- 124 Selection and Conducting of Choral Materials. (3 cr; prereq sr) III-IV S, Holliday
- 143 Historical Foundations of Music Education. (3 cr; prereq #) IX-X W, Turrentine
- 253 Seminar: Curriculum Development. (3 cr per qtr; prereq 252) IX-X T, Borg, Turrentine

## **Professional Physical Education Courses for Men and Women (PE)**

- 106 Curriculum Development. (3 cr; prereq 102 or equiv) 4:00-6:00 T, 1 hr ar, Young
- 135 Tests and Measurement in Physical Education. (3 cr; prereq grad or MEd, #) III-IV S, 1 hr ar, McAdam
- 171 Applied Physiology. (3 cr; prereq PubH 92 or Phys 51 or equiv) 4:00-6:00 W, 1 hr ar, Alexander

## **School Health Education (Hlth)**

- 114 Administration of School Health Education. (3 cr; prereq 83, PubH 50 or equiv, or #) 4:00-6:00 M, 1 hr ar, Slocum

# CALENDAR 1969-70

## FALL QUARTER

### September

- 1 Holiday (Labor Day)
- 18 Fall quarter fees due for students registered through September 12
- 26 Last day for registration and payment of fees for undergraduates (including adult specials)
- 29 Fall quarter classes begin

### October

- 2 Opening Convocation (IV hour classes excused)
- 3 Last day for registration and payment of fees for the Graduate School and for teachers in service
- 18 Homecoming Day
- 30 Twin Cities Assembly Meeting, 3:30 p.m.

### November

- 27 Holiday (Thanksgiving Day)
- 28-29 Classes excused (except 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
- 4 Senate Meeting, 3:30 p.m.
- 5 Deadline for application for admission to Graduate School, winter quarter
- 12 Review begins
- 13-19 Final examination period
- 20 Fall quarter closes  
Commencement, 7:30 p.m.

## WINTER QUARTER

### December

- 23 Last day for payment of winter quarter fees for students in residence fall quarter (including adult specials)
- 25 Holiday (Christmas Day)

### January

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

### February

- 5 Twin Cities Assembly Meeting, 3:30 p.m.
- 22-28 University of Minnesota Week
- 26 Charter Day Convocation (IV hour classes excused)
- 27 Graduate School application deadline for spring quarter

### March

- 1 Last day to file application for spring admission to the undergraduate colleges or for change of college within the University
- 12 Senate meeting, 3:30 p.m.
- 13 Review begins
- 14-20 Final examination period
- 19 Spring quarter fees due for students in residence winter quarter in undergraduate colleges
- 21 Winter quarter closes  
Commencement, 7:30 p.m.

## SPRING QUARTER

### March

- 23-26 Registration and payment of 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 Twin Cities Assembly Meeting, 3:30 p.m.

### May

- 14 Cap and Gown Day Convocation (IV hour classes excused)
- 25 Graduate School application deadline for first term, Summer Session
- 28 Senate meeting, 3:30 p.m.
- 29 Holiday (Memorial Day, May 30)

### June

- 5 Review begins
- 6-12 Final examination period
- 13 Spring quarter closes  
Commencement, 7:30 p.m.

## GRADUATE ADVISERS\*\*

Inquiry about the selection of an adviser from the following list should be made in the department concerned. For advisers in Child Psychology, not listed, inquire in 102 Child Development Building.

Adviser	Field	Office
Alexander, John F. . . . .	PEM . . . . .	400 Cooke
Alkire, Gary F. . . . .	EdAd (Elem) . . . . .	205 Burton
Ammentorp, William . . . . .	EdAd and Higher Ed . . . . .	221 Burton
Anderson, Alan R. . . . .	EPsy (Couns Ed) . . . . .	255 Burton
Anderson, Douglas H. . . . .	EPsy (Found) . . . . .	330 Burton
Anderson, Jackson M. . . . .	Rec and Park Adm . . . . .	204 Cooke
Ashmun, Richard D. . . . .	DE . . . . .	270 Peik
Bagley, Ayers L. . . . .	Hist and Phil of Ed . . . . .	139 Burton
Balow, Bruce E. . . . .	EPsy (Spec Ed) . . . . .	109 Pattee
Bear, W. Forrest . . . . .	AgEd . . . . .	200 Ag Eng (StP)
Beck, Robert H. . . . .	Hist and Phil of Ed . . . . .	139 Burton
Birkmaier, Emma M. . . . .	EdCI (Sec Lang) . . . . .	224 Peik
Blocher, Donald H. . . . .	EPsy (Couns Ed) . . . . .	253 Burton
Boeck, Clarence H. . . . .	EdCI (Sec Sci) . . . . .	270 Peik
Borg, Robert L. . . . .	MuEd . . . . .	214 Scott
Borow, Henry . . . . .	EPsy (Couns Ed) . . . . .	30 Nicholson
Brown, Marjorie M. . . . .	HEEd . . . . .	121 McNeal (StP)
Bruininks, Robert H. . . . .	EPsy (Spec Ed) . . . . .	12 Pattee
Bruning, Charles R. . . . .	Teacher Ed . . . . .	225 Burton
Burris, Russell W. . . . .	EPsy (Found) . . . . .	400 Ford
Callahan, Daniel M. . . . .	EPsy (School Psy) . . . . .	226 CD
Chapman, Frederick M. . . . .	Rec and Park Adm . . . . .	204 Cooke
Chase, Naomi C. . . . .	EdCI (Elem) . . . . .	130 Burton
Clark, Shirley M. . . . .	Hist and Phil of Ed . . . . .	139 Burton
Clymer, Theodore W. . . . .	EdCI (Elem) . . . . .	520 Johnston
Collier, Raymond O. . . . .	EPsy (Found) . . . . .	330 Burton
Corcoran, Mary E. . . . .	Hist and Phil of Ed and Higher Ed . . . . .	139 Burton
Cross, W. Ray . . . . .	EdAd (Elem) . . . . .	203 Burton
Deno, Evelyn . . . . .	EPsy (Spec Ed) . . . . .	209 Pattee
Donnelly, Richard J. . . . .	PEM . . . . .	220 Cooke
Duker, Jan D. . . . .	EFsy (School Psy) . . . . .	226 CD
Dykstra, Robert . . . . .	EdCI (Elem) . . . . .	136 Burton
Eckert, Ruth E. . . . .	Higher Ed . . . . .	226 Burton
Edson, William H. . . . .	EPsy (Couns Ed) . . . . .	210 Burton
Feldman, David H. . . . .	EPsy (Spec Ed) . . . . .	101 Pattee
Force, Dewey G., Jr. . . . .	EPsy (Spec Ed) . . . . .	101 Pattee
Ford, Roxana R. . . . .	HEEd . . . . .	212 McNeal (StP)
Gallistel, Elizabeth R. . . . .	EPsy (Spec Ed) . . . . .	211 Pattee
Gardner, William E. . . . .	EdCI (Sec Soc St) . . . . .	130 Peik
Gayne, Clifton A. . . . .	Art Ed . . . . .	135 Wulling
Gennaro, Eugene D. . . . .	EdCI (Sec Sci) . . . . .	370 Peik
Glotzbach, Charles J. . . . .	EPsy (Couns Ed) . . . . .	206 Burton
Goossen, Carl V. . . . .	EdCI (Elem) . . . . .	201 Pattee
Hagenah, Theda . . . . .	EPsy (Couns Ed) . . . . .	200 Eddy
Hall, Marian D. . . . .	EPsy (School Psy) . . . . .	226 CD
Hansen, Harlan S. . . . .	EdCI (Elem and NKP) . . . . .	238 Burton
Harkins, Arthur M. . . . .	Hist and Phil of Ed . . . . .	139 Burton
Hastie, W. Reid . . . . .	Art Ed . . . . .	135 Wulling
Hewer, Vivian H. . . . .	EPsy (Couns Ed) . . . . .	101 Eddy
Hill, Richard L. . . . .	EdCI (Sec) . . . . .	345 Peik

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



Adviser	Field	Office
Hively, Wells, Jr.	EPsy (Found)	330 Burton
Hooker, Clifford P.	EdAd (Gen)	203 Burton
Hoyt, Cyril J.	EPsy (Found)	330 Burton
Humphreys, Alan H.	EdCI (Elem)	105 Pattee
Jackson, Robert L.	Math Ed and Elem	115 Burton
Jaeger, Eloise M.	PEW	101 Norris
Johnson, David C.	EdCI (Sec Math)	338 Peik
Johnson, David W.	EPsy (Found)	330 Burton
Johnson, Paul E.	EPsy (Found)	330 Burton
Kavanaugh, William A.	Ind Ed	125 Peik
Kegler, Stanley B.	EdCI (Sec Engl)	217 Morrill
Kellogg, Theodore E.	EPsy (Found)	6 Morrill
Kimpston, Richard D.	EdCI (Sec)	345 Peik
Kingsley, G. Gordon	EPsy (Couns Ed)	106 Nicholson
Kitts, Harry W.	AgEd	208 Horticulture (StP)
Klaurens, Mary K.	DE	270 Peik
Lambert, Ronald T.	EdCI and EdAd (Elem)	254 Burton
Lange, Dale L.	EdCI (Sec Lang)	152 Peik
Lewis, Darrell R.	EdCI (Sec Econ Ed)	1169 B.A. (WB)
MacEachern, Donald	EPsy (Found)	330 Burton
Manning, John C.	EdCI (Elem)	144 Burton
Marvin, R. Paul	AgEd	208 Horticulture (StP)
McAdam, Robert E.	PEM	205 Cooke
McCune, George H.	EdCI (Sec Soc St and Higher Ed)	418 Johnston
McFarland, Keith N.	AgEd	215 Coffey (StP)
McMillion, Martin B.	AgEd	208 Horticulture (StP)
Merwin, Jack C.	EPsy (Found)	104 Burton
Meyer, Warren	IE	249 Peik
Moen, Norman W.	Higher Ed	106 Nicholson
Moore, Donald F.	EPsy (Spec Ed)	106 Pattee
Morgan, Don A.	EdAd (Higher Ed)	203 Burton
Moss, Jerome, Jr.	Ind Ed	125 Peik
Mueller, Van Dyck	EdAd (Gen)	203 Burton
Nelson, Howard F.	Ind Ed	125 Peik
Nickerson, Neal C.	EdAd (Sec)	203 Burton
Odland, R. Norine	EdCI (Elem)	136 Burton
Parker, Clyde A.	EPsy (Couns Ed)	249 Burton
Pearson, Neville P.	EdCI (Audio-Visual)	206 Wesbrook
Pearson, Edgar A.	AgEd	312 Horticulture (StP)
Piche, Gene L.	EdCI (Sec Lang Arts)	350 Peik
Piper, Ralph A.	PEM	217 Cooke
Popper, Samuel H.	EdAd (Gen and Sec)	203 Burton
Post, Thomas R.	Math Ed and Elem	117 Burton
Price, Raymond G.	BsEd	245 Peik
Pucel, David J.	Ind Ed	125 Peik
Randleman, Robert R.	Ind Ed	51 Peik
Raygor, Alton L.	EPsy (Couns Ed)	106 Eddy
Reynolds, Maynard C.	EPsy (Spec Ed)	101 Pattee
Richardson, Deane E.	PEM	220 Cooke
Ryan, Frank L.	EdCI (Elem Soc St)	258 Burton
Rynders, John E.	EPsy (Spec Ed)	13 Pattee
Salome, Richard A.	Art Ed	135 Wulling
Samuels, S. Jay	EPsy (Found)	330 Burton
Schreiner, Robert L.	Elem (Reading)	138 Burton
Sederberg, Charles H.	EdAd (Gen)	205 Burton
Shaffer, Warren F.	EPsy (Couns Ed)	253 Burton
Slocum, Helen M.	PEW and Hlth	158 Norris
Snoke, Martin L.	EPsy (Couns Ed)	200 Eddy
Stark, Thomas	EdAd (Gen)	211 Burton
Stecklein, John E.	EPsy (Found)	9 Clarence Ave. S.E.
Stedman, Louise A.	HEEd	200 McNeal (StP)
Stochl, James E.	Math Ed and Elem	530 Johnston
Stoner, Lela June	PEW	165 Norris
Swanson, Gordon I.	AgEd	208 Horticulture (StP) and 129 Burton

Adviser	Field	Office
Tennyson, W. Wesley	EPsy (Couns Ed)	259 Burton
Terwilliger, James S.	EPsy (Found)	330 Burton
Torpey, James E.	PEM	221 Cooke
Turnure, James E.	EPsy (Spec Ed)	14 Pattee
Turrentine, Edgar M.	MuEd	332 Scott
Weatherman, Richard E.	EPsy (Spec Ed) and EdAd	108 Pattee
West, Edith	EdCI (Sec Soc St)	350 Peik
Whiteford, Emma B.	HEEd	107 McNeal (StP)
Wilk, Roger E.	EPsy (Found)	330 Burton
Williams, Howard Y.	Higher Ed	148 Peik
Wilson, Marjorie U.	PEW	108 Norris
Woestehoff, Arnold S.	Teacher Ed	400-12th Ave. S.E.
Wood, Frank H.	EPsy (Spec Ed)	103 Pattee
Zander, Donald R.	EPsy (Couns Ed)	131 Clay School (WB)

## SUMMARY OF CLASS SCHEDULES 1969-70

Saturday (I-II)	Saturday (III-IV)	Monday (IX-X)	Tuesday (IX-X)	Wednesday (IX-X)	Thursday (IX-X)
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### FALL QUARTER

ArEd 152	ArEd 189	EdCI 108	ArEd 296	EdCI 63	BsEd 133
BsEd 156	BsEd 157	EdCI 143A	BsEd 131	EdCI 102	EdCI 108
EdCI 105	EdCI 150	EdCI 144	EdCI 106	EdCI 112	EdCI 129
EdCI 185	EdCI 153	EdCI 155	EdCI 113	EdCI 121	EdCI 153A
EdCI 251	EdAd 202	EdCI 222	EdCI 114	EdCI 122A	EdCI 195A
EdAd 216	EdAd 227	DE 147§§	EdCI 143B	(IX only)	(IX only)
EdAd 265	MuEd 104	EdAd 224	EdCI 151	EdCI 241	EdAd 201
	PE 140	EdAd 274	EdCI 195A	DE 136§§	EdAd 210
	PE 260	EPsy 110	(IX only)	EdAd 215	EPsy 188
		EPsy 249A	EdAd 167	EPsy 110	Ind 40
		HEd 110	EdAd 201	EPsy 133	Ind 107
		HEd 155	EPsy 188	EPsy 165	MuEd 105
		Ind 35	Ind 40	EPsy 209	PE 136§
		Ind 110	Ind 155	EPsy 254	
		MthE 111**	MthE 290	HEd 110	
		MthE 112	MuEd 251	Ind 101	
		PE 104¶	PE 136§	MthE 111**	
				MthE 112**	
				MuEd 113	

### WINTER QUARTER

EdCI 121	ArEd 284	EdCI 109	ArEd 296	BsEd 130	BsEd 132
EdCI 168	EdCI 102	EdCI 122A	EdCI 105	EdCI 112††	EdCI 103B
EdCI 189	EdCI 113	(IX only)	EdCI 155A	EdCI 120C	EdCI 109
EdCI 252	EdCI 119	EdCI 143A	EdCI 195B	EdCI 122A	EdCI 125
EdCI 287	EdCI 145	EdCI 144	(IX only)	(IX only)	EdCI 169
	EdCI 170	EdCI 222	EdCI 251°	EdCI 241	EdCI 195B
	EdCI 250	DE 137A§§	DE 160§§	DE 139§§	(IX only)
	EdCI 285	DE 146§§	EdAd 103	EdAd 242	EdCI 209
	PE 115	EdAd 217	EdAd 202	EdAd 275	EdCI 251°
		EdAd 253	EPsy 183	EPsy 159	EdCI 258
		EPsy 159	EPsy 195	EPsy 193	EPsy 195
		EPsy 193	Ind 103	EPsy 209	Ind 105
		EPsy 249B	Ind 135	HEd 125	MthE 200
		HEd 111	MthE 290	HEd 131	MuEd 145
		HEd 156	MuEd 106	Ind 109	PE 224A¶
		Ind 125¶¶	MuEd 252	Ind 251	Rec 170¶
		MthE 122¶¶	PE 224A¶	MthE 131**	Rec 224A¶
		MthE 131**	PE 292¶	MthE 166¶¶	
		MuEd 101		MuEd 170	
		PE 202¶		Hlth 117B¶	

### SPRING QUARTER

BsEd 139	ArEd 184	ArEd 156	ArEd 296	EdCI 104	EdCI 113
EdCI 190	ArEd 185	EdCI 107	BsEd 133	EdCI 112††	EdCI 145
EdCI 288	BsEd 158	EdCI 143C	EdCI 102	EdCI 151	EdCI 153
EdAd 215	EdCI 150	EdCI 222	EdCI 105	EdCI 204	EdCI 172
	EdCI 166	DE 138§§	EdCI 119	EdCI 211	EdCI 213
	EdCI 286	EdAd 265	EdCI 173	EdCI 241	EdCI 252°
	EdAd 202	EPsy 110	EdCI 252°	DE 141§§	EdCI 294
	HEd 121	EPsy 249C	EdCI 294	EdAd 211	EdAd 201
	MuEd 124	HEd 170	DE 148§§	EdAd 237	EdAd 226
	PE 135	MthE 132	EdAd 201	EdAd 290	EPsy 125
		MuEd 121	EdAd 230	EPsy 110	EPsy 186
		Hlth 114¶	EPsy 125	EPsy 209	EPsy 193
			EPsy 188	HEd 182	EPsy 194
			EPsy 193	Ind 115	HEd 113
			EPsy 194	Ind 250	HEd 242
			EPsy 289	MthE 270	MuEd 103
			Ind 101	MuEd 143	
			Ind 110	PE 171¶	
			MthE 290		
			MuEd 253		
			PE 106¶		

#### KEY

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|--------------|--------------|
| ° 3:45-5:00  | †† 4:15-6:00 |
| § 4:00-5:15  | §§ 4:15-6:30 |
| ¶ 4:00-6:00  | ¶¶ 4:15-6:45 |
| ** 4:15-5:30 |              |