

University of Minnesota

71
72

Bulletin

AUGUST 27, 1971

college
continuing education classes



UNIVERSITY OF MINNESOTA

Board of Regents

The Honorable Elmer L. Andersen, St. Paul, Chairman; The Honorable Neil C. Sherburne, Lakeland Township, Vice Chairman; The Honorable Lyman A. Brink, Hallock; The Honorable Fred A. Cina, Aurora; The Honorable Daniel C. Gainey, Owatonna; The Honorable Herb L. Huffington, M.D., Waterville; The Honorable Fred J. Hughes, St. Cloud; The Honorable Josie R. Johnson (Mrs. Charles W.), Bloomington; The Honorable Lester A. Malkerson, Minneapolis; The Honorable George W. Rauenhorst, Olivia; The Honorable Loanne R. Thrane (Mrs. Ralph), Chanhassen; The Honorable John A. Yngve, Plymouth.

Administrative Officers

Malcolm Moos, President
Donald K. Smith, Vice President for Administration
Paul H. Cashman, Vice President for Student Affairs
Lyle A. French, Vice President for the Health Sciences
Laurence R. Lunden, Vice President and Consultant to the President
William G. Shepherd, Vice President for Academic Administration
Stanley J. Wenberg, Vice President for Coordinate Campuses and Educational Relationships

College of Education Administration

Jack C. Merwin, Dean 104 Burton..... 373-9880
William E. Gardner, Associate Dean 104 Burton..... 373-9880
Wayne W. Welch, Assistant Dean 104 Burton..... 373-9880
Frank B. Wilderson, Assistant Dean 104 Burton..... 373-9880
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
Charles R. Bruning, Director,
Department of Clinical Experiences 229 Burton..... 373-2244
Arnold Woestehoff, Director, Bureau of
Recommendations 400 12th Ave. S.E... 373-2266

See list of graduate advisers on page 25.

Volume LXXIV

Number 17

August 27, 1971

UNIVERSITY OF MINNESOTA BULLETIN

Published by the University of Minnesota, Office of Admissions and Records, 105 Morrill Hall, Minneapolis, Minnesota 55455, February through September inclusive. One issue in February, one issue in March, three issues in April, four issues in May, three issues in June, three issues in July, three issues in August and two issues in September. Second class postage paid at Minneapolis, Minnesota. Send change of address notices and other communications to Office of Admissions and Records, Minneapolis, Minnesota 55455.

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, credentials examination fees of \$10 are required for undergraduate and adult special students, and \$15 for graduate students.

The fee for part-time registration in the College of Education is \$13.25 per credit for residents of the state and \$36.50 per credit for nonresidents. If 6 or more credits are taken, a student services fee of \$42 is required.

The fee in the Graduate School for 6 credits or less or thesis-only is \$92 for residents and \$229 for nonresidents. Graduate students taking more than 6 credits pay \$184 (resident) and \$457 (nonresident). The student services fee of \$42 is required of all students in the Graduate School except full-time elementary and secondary school 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 hour for the *final* step in reg-

istration at the Office of Admissions and Records is 4 p.m., Monday through Friday afternoons of that week.

For students admitted to the Graduate School the location of registration materials depends on the major. For information, these students should check in 316 Johnston Hall or call 373-4584. 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 2, in Morrill Hall.

For the fall quarter 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 2). Since advisers are not usually available on Saturday morning, students who register this late should make prior arrangements for advising. There will be no Saturday registration after fall quarter. For winter and spring quarters adult special students who find it impossible to register during the regular registration period may register with the instructor on the first Saturday of classes; students in the Graduate School must register through an approved adviser during the regular registration period *before* the Saturday that classes begin if they wish to avoid a late fee.

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 8-000 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. Pro-

cedures 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 29.) 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 Board of Regents has committed itself and the University of Minnesota to the policy that there shall be no discrimination in the treatment of persons because of race, creed, color, sex, or national origin. This is a guiding policy in the admission of students in all colleges and in their academic pursuits. It is also to be a governing principle in University-owned and University-approved housing, in food services, student unions, extracurricular activities, and all other student and staff services. This policy must also be adhered to 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."

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, 1971

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 8-000 or above are not open to adult special students.

Art Education (ArEd)

- 5-303. *Curriculum Building in Art Education: Programs for Exceptional Children.* (3 cr; limited to 30 students) I-II S, WuH 110, Slettehaugh
- 5-385. *Improving Art Programs in the Secondary School.* (3 cr; limited to 35 students; prereq tchg experience or #) III-IV S, WuH 130, Ar
- 8-306. *Seminar: Art Education.* (1 cr; limited to 20 students) IX-X T, WuH 130, Gayne

Business Education (BsEd)

- 5-105. *Trends in Business Education.* (3 cr) I-II S, PeikH 275, Hopkins
- 5-106. *Organization and Supervision of Business Education.* (3 cr; prereq #) III-IV S, PeikH 275, McLean
- 5-108. *Curriculum Construction in Business Education.* (3 cr; prereq SeEd 5-113) IX-X T, Pt 111, Price

Child Psychology (CPsy)

- 8-336. *Advanced Social Development.* (3 cr; prereq #) 3:45-6:00 TTh, CD 218, Hartup
- 8-345. *Advanced Language Development.* (3 cr; prereq 12 cr in child psy or psy and #) 3:45-5:00 MW, CD 218, Maratsos

Educational Administration (EdAd)

- 8-201. *Foundations of Educational Administration.* (3 cr) IX-X Th, EntFW 495 (StP Campus), Ammentorp

- 8-210. *Public School Finance*. (3 cr) III-IV S, Bu 125, Mueller
- 8-215. *The Elementary School Principalship*. (3 cr; prereq 8-201 and 8-202 or #) IX-X M, GH 202 (StP Campus), Cross
- 8-218. *Seminar: The Social Organization of Schools*. (3 cr; prereq educational administration major or #) IX-X M, GH 211 (StP Campus), Popper
- 8-224. *Legal Aspects of Public School Administration*. (3 cr) IX-X Th, GH 202 (StP Campus), Hooker
- 8-226. *Educational Facilities Planning*. (3 cr) IX-X T, GH 202 (StP Campus), Alkire
- 8-265. *Administering the High School Program*. (3 cr) IX-X W, GH 202 (StP Campus), Nickerson
- 8-274. *The Junior College*. (3 cr) IX-X W, GH 211 (StP Campus), Morgan
- 8-290. *Financing Higher Education*. (3 cr; prereq #) IX-X T, Bu 120, Keller

Educational Psychology

COUNSELING AND STUDENT PERSONNEL PSYCHOLOGY (CSPP)

- 5-101. *Foundations of Career Development*. (3 cr) IX-X T, Bu 123, Borow
- 5-130. *Introduction to Guidance*. (3 cr; prereq 9 cr in educ) IX-X W, Pt 214 and 1 hr ar, Tennyson

PSYCHOLOGICAL FOUNDATIONS (PsyF)

- 3-670. *Human Relations and Group Dynamics*. (3 cr) 7:00-10:00 p.m. MW, Bu 123, A Anderson, Foxley, D W Johnson
- 5-141. *Psychology of School Learning*. (3 cr) IX-X TTh, Jones 4, Bart
- 5-160. *Personality Development and Mental Hygiene*. (3 cr) IX-X MW, NH 213, Rest
- 8-520. *Seminar: Research Planning*. (1 cr) IX-X T, Bu 330, Hoyt

SPECIAL EDUCATION (SpEd)

- 5-140. *Introduction to the Education of Hearing-Impaired Children*. (3 cr; prereq #) 4:00-6:00 T, Pt 102, Ar

Elementary Education (Elem)

- 5-100. *Elementary School Curriculum*. (3 cr; limited to 30 students; prereq 3-101) III-IV S, Bu 120, Tismer
- 5-108. *Supervision and Improvement of Instruction*. (3 cr; limited to 25 students; prereq 9 cr in educ) IX-X Th, Bu 123, Lambert

- 5-316. *Teaching and Supervision of English in the Elementary Schools.* (3 cr; limited to 35 students; prereq 3-316 or elem school tchg experience) IX-X W, Bu 125, Chase
- 5-317. *Materials Laboratory for Teaching English in Elementary Schools.* (3 cr; limited to 25 students; prereq 3-316 or elem tchg experience) IX-X Th, Bu 120, Dykstra
- 5-332. *Materials and Instructional Techniques of Elementary Reading.* (3 cr; prereq 3-331 or 5-331 or #) Sec 1, limited to 30 students, IX-X T, Jones 1, D Pearson
- 5-333. *Instructional Leadership in Elementary Reading.* (3 cr; limited to 30 students; prereq 5-331 or #) IX-X M, Jones 2, Manning
- 5-334. *Reading Difficulties.* (3 cr; prereq 5-331 or SeEd 5-344) Sec 1, limited to 40 students, IX-X M, Bu 125, Schreiner
- 5-346. *Teaching Science in the Elementary School.* (3 cr; limited to 35 students; prereq elem tchg experience or #) IX-X W, Pt 102, Humphreys
- 5-361. *Teaching Social Studies in the Elementary School.* (3 cr; limited to 35 students; prereq 3-101 or equiv) IX-X Th, Pt 214, Ryan
- 5-363. *Workshop: Curriculum Implementation in Elementary School Social Studies.* (Cr ar [maximum 9 cr]; limited to 25 students; prereq elem tchg experience and #) I-II S, Pt 214, Cogan
- 5-376. *Current Trends in Kindergarten Education.* (3 cr; limited to 30 students; prereq tchg experience in kindergarten or primary or #) IX-X T, CD 105, H Hansen
- 8-347. *The Elementary School Science Program: Articulation and Coordination.* (3 cr; limited to 15 students; prereq 5-350 or 8-346) IX-X T, Peikh 275, R Johnson
- 8-364. *Seminar: Elementary School Social Studies and the Social Sciences.* (3 cr; limited to 15 students; prereq 5-361, 5-362 and #) IX-X M, Pt 102, Ellis

Foundations of Education

HIGHER EDUCATION (Educ)

- 5-184. *Supervision of Student Teaching.* (3 cr; prereq 15 cr in educ or #) III-IV S, CD 105, Mork
- 8-230. *Seminar: Dissertation Research in Higher Education.* (1 cr per qtr; prereq PhD candidate) 7:30-9:30 p.m. M, Bu 226, Corcoran, Eckert, Keller
- 8-251. *Curriculum Trends in American Colleges.* (3 cr; prereq 8-250 and yr of grad study in any field or 18 cr in educ) I-II S, Bu 125, Eckert, Moen

HISTORY AND PHILOSOPHY OF EDUCATION (HEd)

- 5-110. *Intercultural Education: Social Science and Systems Perspectives.* (3 cr) IX-X M, Pt 215, Harkins

- 5-132. *Education in the Third World*. (3 cr) IX-X Th, CD 105, Graham
- 5-141. *Critical Issues in Contemporary Education*. (3 cr) IX-X W, Bu 120, Beck
- 5-155. *History of Western Educational Thought*. (3 cr) IX-X T, Pt 215, Bagley
- 5-191. *Professionalization and Teaching*. (3 cr) IX-X T, Pt 214, Clark
- 5-192. *Sociological Studies in Higher Education*. (3 cr) IX-X M, Jones 9, Weidman
- 5-210. *Applied Social Science and Education*. (3 cr) IX-X W, CD 105, Harkins
- 8-231. *Seminar: Comparative and International Education*. (3 cr) IX-X T, Jones 9, Graham

Mathematics Education (MthE)

- 5-311. *Teaching and Supervision of Mathematics in the Elementary School*. (3 cr; prereq Elem 3-391 or #) 4:15-5:30 MW, Pt 111, Jackson
- 5-312. *Teaching and Supervision of Mathematics in Secondary School*. (3 cr; prereq math tchg experience or #) 4:15-6:45 Th, PeikH 315, Donovan Johnson
- 5-355. *Mathematics for Slow Learning Children*. (3 cr; prereq 5-311 or Elem 3-391 or #) IX-X Th, Post
- 8-590. *Seminar: Mathematics Education*. (0-3 cr; prereq #) IX-X T, PeikH 315, Donovan Johnson

Music Education (MuEd)

- 5-217. *Historical Foundations of Music Education*. (4 cr; prereq #) IX-X Th, ScH 103, Turrentine
- 5-305. *General Music in Elementary and Junior High Schools*. (4 cr; prereq 3-011 or #) IX-X M, ScH 103, Borg
- 5-441. *Reading and Stylistic Interpretation of Choral Music*. (4 cr; prereq 5-431 or #) IX-X TTh, ScH 3, Caswell
- 8-281. *Seminar: Curriculum Development*. (4 cr per qtr; prereq MA in music or music education) IX-X T, ScH 103, Turrentine

Physical Education

PHYSICAL EDUCATION (PE)

- 5-100. *Teaching Physical Education for the Handicapped Child*. (3 cr; prereq #) 4:00-5:30 M, NGW 3 and 1 hr ar, Wilson
- 5-123. *Analysis of Movement in Gymnastics*. (3 cr; prereq 3-111 and 3-174 and 3-322 or #) III-IV S, CH 215 and 1 hr ar, Bird
- 5-255. *Intramurals-Extramurals*. (4 cr) 4:00-5:30 MW, CH 214, Anderson, Gunderson, Mueller

- 5-980. *Introduction to Research*. (3 cr; prereq #) 4:00-6:00 Th, CH 400, Alexander
- 8-112. *Intercollegiate Athletics Administration*. (3 cr; prereq 8-110) 4:00-6:00 Th, CH 215 and 1 hr ar, Bird
- 8-150. *Professional Preparation of Physical Education Teachers*. (3 cr; prereq 5-151 or equiv) 4:00-6:00 T, NGW 4, Jaeger

SCHOOL HEALTH EDUCATION (Hlth)

- 5-120. *Role of the School Health Educator in Health Appraisal*. (3 cr; prereq sr, #) 4:00-6:00 M, NGW 3, Slocum
- 5-150. *Curriculum: Family Life and Sex Education in the Secondary Schools*. (3 cr; limited to 25 students) 4:00-6:00 W, NGW 3, Slocum

Secondary Education (SeEd)

- 5-105. *Audio-Visual Materials in Education*. (3 cr; prereq sr) I-II S, NH 211, and 1 hr ar, Pearson
- 5-106. *Coordinating an Audio-Visual Education Program*. (3 cr; prereq 5-105 or #) IX-X T, WeH 206, Pearson
- 5-109. *Projected Audio-Visual Materials and Equipment Laboratory*. (3 cr; lab limited to 15 students; prereq 5-105 or ¶5-105) Lect IX-X M, WeH 206, and 2 hrs lab ar; Lab, sec 2, IX-X Th, WeH 206, Pearson
- 5-110. *Applied Instructional Media Evaluation and Selection*. (3 cr; limited to 30 students; prereq 5-105) IX-X W, WeH 202, Ar
- 5-112. *Family Life Education*. (3 cr; limited to 30 students) IX-X W, BlegH 105, Hey
- 5-113. *Principles of Secondary School Curriculum*. (3 cr; prereq 3-155 or equiv) IX-X T, NH 207, Ar
- 5-114. *Interdisciplinary Approaches to Curriculum*. (3 cr) IX-X T, PeikH 385, Kimpston
- 5-129. *Trends and Issues in Secondary Curriculum*. (3 cr; prereq 5-113 or equiv) IX-X M, PeikH 325, Ar
- 5-150. *Introduction to Social Studies Education*. (3 cr; limited to 25 students) IX-X W, PeikH 175, Mackey
- 5-194. *Curriculum Development in Secondary English and Speech*. (3 cr; limited to 25 students; prereq 3-326 or equiv) IX-X Th, PeikH 385, Piche
- 5-323. *Topics in Language and the Teaching of English*. (3 cr; limited to 20 students) IX-X MW, PeikH 155, Shroyer
- 5-344. *Teaching Reading in Secondary Schools*. (3 cr; prereq 9 cr in education; limited to 25 students) 4:00-5:30 TTh, Jones 11, Ar
- 5-371. *Workshop: Curriculum Laboratory Practice*. (0-3 cr; prereq 5-113 or Elem 5-100 and #) Sec 1, limited to 20 students, IX-X W, off campus, West
- 5-385. *Advanced Course in the Teaching of Modern Languages*. (3 cr) I-II S, PeikH 225, 235, Birkmaier

- 5-670. *Internship: Supervision of Social Studies Student Teachers.* (2 cr, †5-670, †5-671; prereq #) IX-X M, PeikH 165, West
- 8-322. *Seminar: Secondary Curriculum and Instruction.* (1 cr per qtr, total 3 cr; prereq 5-113) IX-X W, PeikH 375, Kimpston
- 8-387. *Seminar: Foreign Language Education.* (1-3 cr; prereq #) IX-X F, PeikH 225, Birkmaier, Lange
- 8-642. *Field Practicum: Supervision and Curriculum Development.* (1-3 cr; prereq 5-113 and 5-170 or Elem 5-101) IX-X Th, PeikH 345, Kimpston
- 8-869. *Information Sources in Foreign Language Teaching and Research.* (3 cr) III-IV S, PeikH 215, Lange

Vocational-Technical Education

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.

DISTRIBUTIVE EDUCATION (DE)

- 5-110. *Curricula in Cooperative Vocational Education.* (2 cr; limited to 35 students) 4:00-5:30 W, PeikH 275, Klaurens, Meyer
- 5-111. *Curricula in Cooperative Distributive Education.* (2 cr; prereq 5-110 or †5-110) 5:45-6:30 W, PeikH 275 and hrs ar; Klaurens, Meyer
- 5-305. *Teaching Merchandise Display.* (3 cr; limited to 20 students; prereq #) 4:00-6:30 M, PeikH 275, Klaurens

HOME ECONOMICS EDUCATION (HEEd)

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

INDUSTRIAL EDUCATION (Ind)

- 3-330. *Fundamentals of Vocational Education.* (3 cr) IX-X W, PeikH 65, Miletich
- 3-340. *Analysis and Course Organization.* (3 cr) IX-X M, PeikH 65, Kavanaugh
- 5-301. *Tests in Industrial Subjects.* (3 cr; prereq SeEd 3-155) IX-X T, PeikH 355, Pucel
- 5-305. *Critical Issues in Industrial Education.* (3 cr) IX-X W, PeikH 65, Ar
- 5-314. *Administration of Industrial Education.* (3 cr; prereq 3-330 or #) IX-X T, PeikH 335, Van Tries
- 5-360. *Industrial Instruction.* (3 cr; prereq 3-340, SeEd 3-155, and #) IX-X Th, PeikH 65, Randleman
- 8-300. *Literature of Industrial Education.* (3 cr; prereq #) IX-X Th, PeikH 65, M. Johnson

WINTER QUARTER, 1972

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 8-000 or above are not open to adult special students.

Art Education (ArEd)

- 5-389. *Application of Aesthetic Theory in Education.* (3 cr) I-II S, Slettehaugh
8-300. *Research in Art Education.* (3 cr) III-IV S, Gayne
8-306. *Seminar: Art Education.* (1 cr) IX-X T, Gayne

Business Education (BsEd)

- 5-100. *Research and Methods in Teaching Accounting and Business Data Processing.* (3 cr) IX-X W, Hopkins
5-101. *Research and Methods in Teaching Typewriting and Shorthand.* (3 cr) IX-X Th, McLean
5-103. *Consumer Education in Schools.* (3 cr) IX-X T, Price

Child Psychology (CPsy)

- 5-319. *Clinical Procedures with Children.* (4 cr; prereq 12 cr in psy, ed psy, child psy or soc) 9:00-11:30 S, Gross
8-333. *Advanced Personality Development.* (3 cr; prereq #) 3:45-5:00 MW, Masters
8-343. *Advanced Cognitive Development.* (3 cr; prereq 12 cr in child psy or psy) 3:45-5:00 TTh, Flavell

Educational Administration (EdAd)

- 8-201. *Foundations of Educational Administration.* (3 cr) IX-X W, Ammentorp
8-202. *Foundations of Educational Administration.* (3 cr) III-IV S, Mazzoni
8-216. *Recent Research in Elementary School Administration.* (3 cr; prereq 8-215) IX-X M, Cross

- 8-227. *Public School Personnel Programs*. (3 cr) IX-X M, Stark
- 8-235. *Seminar: Humanism in School Administration*. (3 cr; prereq 8-218, educ admin major or #) IX-X M, Popper
- 8-236. *Seminar: Educational Facilities Planning*. (3 cr; prereq 8-226 or #) IX-X T, Alkire
- 8-264. *The Secondary School Principalship*. (3 cr) IX-X W, Nickerson
- 8-275. *Junior College Administration*. (3 cr; prereq 8-274 or #) IX-X W, Morgan

Educational Psychology

COUNSELING AND STUDENT PERSONNEL PSYCHOLOGY (CSPP)

- 5-110. *Counseling Procedures*. (3 cr; limited to 20 students) IX-X W and 1 hr ar, Tennyson, Shaffer

PSYCHOLOGICAL FOUNDATIONS (PsyF)

- 5-120. *Educational Measurement in the Classroom*. (3 cr) IX-X MW, Terwilliger
- 5-160. *Personality Development and Mental Hygiene*. (3 cr) IX-X TTh, Rest
- 8-250. *Seminar: Research Planning*. (1 cr) IX-X T, Hoyt

SPECIAL EDUCATION (SpEd)

- 5-100. *Childhood Language Development: Classroom Implications*. (3 cr) 4:00-6:00 T, Ar
- 5-141. *Methods of Teaching School Subjects to the Hearing Impaired*. (3 cr; prereq SSPA 5-708 and #) 4:00-6:00 Th, Kennedy
- 5-150. *Education of Emotionally Disturbed and Socially Maladjusted Children*. (3 cr; prereq grad or #) IX-X TTh, Ar
- 8-580. *Seminar: The Disadvantaged*. (3 cr; prereq #) IX-X W, Sullivan

Elementary Education (Elem)

- 5-100. *Elementary School Curriculum*. (3 cr; limited to 35 students; prereq 3-101) IX-X W, Goossen
- 5-108. *Supervision and Improvement of Instruction*. (3 cr; limited to 25 students; prereq 9 cr in education) III-IV S, Tismer
- 5-300. *Literature for the Elementary School*. (3 cr; limited to 35 students) I-II S, Odland
- 5-331. *Teaching and Supervision of Reading in the Elementary School*. (3 cr; limited to 40 students; prereq 9 cr in education) IX-X M, Manning

- 5-349. *Elementary School Science: Curriculum and Supervision.* (3 cr; limited to 35 students; prereq 3-346 or 5-346) IX-X T, R Johnson
- 5-362. *Materials Laboratory for Elementary Social Studies Teachers.* (3 cr; limited to 30 students; prereq 3-361 or 5-361 or #) IX-X Th, Ryan
- 8-317. *Research in Skill Development in Spelling, Handwriting, and Listening.* (3 cr; limited to 15 students; prereq 5-316) IX-X W, Dykstra

Foundations of Education

HIGHER EDUCATION (Educ)

- 8-230. *Seminar: Dissertation Research in Higher Education.* (1 cr per qtr; prereq PhD candidate) 7:30-9:30 p.m. M, Bu 226, Corcoran, Eckert, Keller
- 8-250. *Higher Education in the United States.* (3 cr; prereq yr of grad study in any field or 18 cr in educ) III-IV S, Keller
- 8-285. *Professional Education of Teachers.* (3 cr; prereq 15 cr in educ including 5-184 and 8-250 or HEd 5-182 or CSPP 8-140 or #) III-IV S, Mork, Woestehoff

HISTORY AND PHILOSOPHY OF EDUCATION (HEd)

- 5-112. *Intercultural Education: Spanish-Speaking Populations.* (3 cr) IX-X T, Harkins
- 5-125. *Adolescence in Changing Social Institutions.* (3 cr) IX-X T, Clark
- 5-131. *Comparative Education.* (3 cr) IX-X W, Beck
- 5-156. *History of Ideas in American Education.* (3 cr) IX-X T and hr ar, Bagley
- 5-190. *Sociology of Education.* (3 cr, §Soc 5-953) IX-X M, Weidman
- 5-211. *Social Planning and Education.* (3 cr) IX-X M, Harkins

Mathematics Education (MthE)

- 5-322. *Materials Laboratory for Secondary School Mathematics Instruction.* (3 cr; prereq 5-312 or #) 4:15-6:45 Th, Ar
- 8-500. *Theory and Classical Research in Mathematics Education.* (3 cr; prereq 5-311 or 5-312 or #) IX-X W, Stochl

Music Education (MuEd)

- 5-111. *Bibliography.* (4 cr) IX-X W, Turrentine
- 5-115. *Tests and Measurements.* (4 cr; prereq #) IX-X Th, Turrentine
- 5-211. *Philosophies of Music Education.* (4 cr) IX-X M, Borg

- 5-214. *Psychological Foundations*. (5 cr; prereq #) IX-X TTh, Caswell
- 5-322. *Instrumental Music in the General Music Classroom*. (4 cr; prereq Mus 1-001 or equiv; music or music ed major) IX-X MWF, Caswell
- 8-282. *Seminar: Curriculum Development*. (4 cr per qtr; prereq 8-281) IX-X T, Borg

Physical Education

PHYSICAL EDUCATION (PE)

- 3-115. *Physiological Application to Sports*. (3 cr, §PubH 3-385, 3-386, men only) 4:15-5:30 TTh, Serfass
- 5-122. *Applied Physiology*. (3 cr; prereq PubH 3-396 or Phsl 3-051 or equiv) I-II S, 1 hr ar, Alexander
- 5-695. *Practicum: Intramurals-Extramurals*. (3-5 cr; prereq 5-255) 4:00-5:30 T, 1 hr ar, Anderson
- 8-980. *Research Problems*. (3 cr; prereq 5-980, PsyF 5-110 or #) 4:00-6:00 TTh, Chapman

SCHOOL HEALTH EDUCATION (Hlth)

- 5-300. *Contemporary Problems in School Health Education*. (3 cr; prereq 3-320 or #) III-IV S, Slocum
- 8-980. *Research Problems*. (3 cr; prereq PE 5-980, PsyF 5-110 or #) 4:00-6:00 Th, Slocum

Secondary Education (SeEd)

- 5-105. *Audio-Visual Materials in Education*. (3 cr; prereq sr) IX-X T, 1 hr ar, Pearson
- 5-107. *Radio and Television in Education*. (3 cr; limited to 30 students; prereq 9 cr in education) IX-X M, Pearson
- 5-110. *Applied Instructional Media Evaluation and Selection*. (3 cr; limited to 30 students; prereq 5-105) IX-X W, Ar
- 5-113. *Principles of Secondary School Curriculum*. (3 cr; prereq 3-155 or equiv) IX-X T, Kimpston
- 5-152. *Techniques of Instruction in Social Studies*. (3 cr; limited to 25 students; prereq 5-150) IX-X M, West
- 5-170. *Programs and Procedures of Curriculum Development*. (3 cr; prereq 5-113 or Elem 5-100) III-IV S, Kimpston
- 5-172. *Supervision of Secondary Instruction*. (3 cr; prereq 5-113) I-II S, Ar
- 5-198. *English Education for the Culturally Different*. (2 cr; prereq or coreq 5-120 or BsEd 5-120 or equiv) IX-X T, Ar

- 5-321. *Teaching Literature in Secondary Schools*. (3 cr; prereq 3-155 or jr-sr-high school tchg experience) IX-X MW, Brunetti
- 5-344. *Teaching Reading in Secondary Schools*. (3 cr; prereq 9 cr in education) 4:00-5:30 MW, Ar
- 8-194. *Strategies and Problems of Instruction in English*. (3 cr; limited to 15 students; prereq 3-326 or equiv) IX-X W, Shroyer
- 8-322. *Seminar: Secondary Curriculum and Instruction*. (1 cr per qtr, total 3 cr; prereq 5-113) IX-X W, Ar
- 8-364. *Seminar: Social Studies Education*. (3 cr; prereq MA or equiv) IX-X W, Gardner, Lewis, West
- 8-387. *Seminar: Foreign Language Education*. (1-3 cr; prereq #) IX-X F, Birkmaier, Lange
- 8-642. *Field Practicum: Supervision and Curriculum Development*. (1-3 cr; prereq 5-113 and 5-170 or Elem 5-101) IX-X Th, Kimpston
- 8-870. *Seminar: Curriculum, Learning and Teaching of Foreign Languages in Elementary and Secondary Schools*. (3 cr; prereq 8-869 and PsyF 5-110; MA student) III-IV S, Birkmaier, Lange

Vocational-Technical Education

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.

DISTRIBUTIVE EDUCATION (DE)

- 5-105. *Coordination Techniques*. (2 cr) 4:00-5:30 W, Klaurens, Meyer
- 5-106. *Coordination Techniques in Cooperative Distributive Education*. (2 cr; prereq 5-105 or ¶5-105) 5:45-6:30 W and ar, Klaurens, Meyer
- 5-300. *Materials and Methods in Cooperative Vocational Education*. (2 cr) 4:00-5:30 T, Klaurens
- 5-301. *Materials and Methods in Cooperative Distributive Education*. (2 cr; prereq 5-300 or ¶5-300) 5:45-6:30 T and ar, Klaurens
- 5-340. *Distributive Education Youth Organizations*. (3-4 cr; prereq DE major) 4:00-6:30 M, Ashmun, Klaurens, Meyer

HOME ECONOMICS EDUCATION (HEEd)

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

INDUSTRIAL EDUCATION (Ind)

- 3-344. *Equipment and Management*. (3 cr; prereq 1-300 or 3-340 or #) IX-X
W, Ar
- 5-303. *Instructional Aids*. (3 cr; prereq 3-360 or 5-360 or equiv) IX-X T, Ar
- 5-309. *Conference Leading for Industry*. (3 cr; prereq #) IX-X M, Ar
- 5-314. *Administration of Industrial Education*. (3 cr; prereq 3-330 or #) IX-X
Th, Ar
- 5-325. *Philosophy and Practice of Industrial Education*. (3 cr, §3-330) IX-X
Th, Ar
- 8-310. *Research*. (3 cr; prereq #) IX-XI M, Ar

SPRING QUARTER, 1972

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 8-000 or above are not open to adult special students.

Art Education (ArEd)

- 5-316. *Intercultural Education Through Art.* (3 cr; limited to 30 students) IX-X M, Gayne
- 5-384. *Improving Art Programs in the Elementary School.* (3 cr; prereq tchg experience or #) III-IV S, Ar
- 8-306. *Seminar: Art Education.* (1 cr) IX-X T, Gayne

Business Education (BsEd)

- 5-102. *Teaching the Basic Business Subjects.* (3 cr) IX-X T, Price
- 5-104. *Office Coordination Techniques.* (3 cr, §DE 5-105) I-II S, Ar
- 5-107. *Materials and Methods in Office and Stenographic Procedures.* (3 cr) III-IV S, McLean
- 5-110. *Business Education Programs Beyond High School.* (3 cr) IX-X W, Hopkins

Child Psychology (CPsy)

- 8-341. *Perception in Children.* (3 cr; prereq Psy 5-031 and #) 3:45-5:00 MW, H Pick
- 8-347. *Learning in Children.* (3 cr; prereq Psy 5-013 or #) 3:45-5:00 TTh, Ar

Educational Administration (EdAd)

- 5-103. *Supervision and Administration of Special Education.* (3 cr; prereq #) IX-X Th, Weatherman
- 5-167. *Junior High School.* (3 cr; prereq 9 cr in education) IX-X M, Popper
- 8-302. *Foundations of Educational Administration.* (3 cr) IX-X T, Mazzoni

- 8-217. *Seminar: Elementary School Administration*. (3 cr; prereq 8-216 or #) III-IV S, Lambert
- 8-230. *School-Community Relations*. (3 cr) IX-X W, Popper
- 8-234. *Seminar: Educational Finance*. (3 cr; prereq 8-210 or #) IX-X T, Mueller
- 8-242. *Administrative Organization and Staffing of School Systems*. (3 cr; prereq #) IX-X Th, Stark
- 8-253. *Administration in Higher Education*. (3 cr; prereq Educ 8-250) IX-X W, Keller, Reeves
- 8-291. *Public Relations for Colleges and Universities*. (3 cr; prereq #) IX-X M, Ammentorp

Educational Psychology

PSYCHOLOGICAL FOUNDATIONS (PsyF)

- 3-670. *Human Relations and Group Dynamics*. (3 cr) 7:00-10:00 p.m. MW, A Anderson, Foxley, D W Johnson
- 5-120. *Educational Measurement in the Classroom*. (3 cr) IX-X MW, Ar
- 5-141. *Psychology of School Learning*. (3 cr) IX-X TTh, Samuels
- 5-170. *Social Psychology of Education*. (3 cr) IX-X TTh, Ar
- 8-520. *Seminar: Research Planning*. (1 cr) IX-X W, Hoyt
- 8-921. *Problems: Curriculum Evaluation*. (1-3 cr per qtr, max 9 cr; prereq 8-621 or #...8-111 and 8-120 recommended) IX-X TTh, Welch

SPECIAL EDUCATION (SpEd)

- 5-112. *Education of Learning-Disabled Children*. (3 cr; limited to 45 students) IX-X MW, Ar
- 5-141. *Methods of Teaching School Subjects to the Hearing Impaired*. (3 cr; prereq SSPA 5-708 and #) 4:00-6:00 Th, Kennedy
- 5-143. *Methods of Developing Language for the Hearing Impaired*. (3 cr; prereq 5-100, SSPA 5-708 or #) 4:00-6:00 T, Ar
- 5-180. *Education of the Disadvantaged*. (3 cr; prereq 12 cr in psy, educational psy or soc) IX-X TTh, Sullivan

Elementary Education (Elem)

- 5-100. *Elementary School Curriculum*. (3 cr; limited to 30 students, nonelementary education majors only; prereq 3-101) III-IV S, Tismer
- 5-107. *Diagnosis and Treatment of Learning Difficulties*. (3 cr; limited to 35 students) IX-X M, Schreiner

- 5-300. *Literature for the Elementary School*. (3 cr; limited to 35 students) IX-X Th, Ar
- 5-331. *Teaching and Supervision of Reading in the Elementary School*. (3 cr; limited to 40 students; prereq 9 cr in education) IX-X M, D Pearson
- 5-332. *Materials and Instructional Techniques of Elementary Reading*. (3 cr; limited to 30 students; prereq 3-331 or 5-331 or #) IX-X Th, Aulls
- 5-334. *Reading Difficulties*. (3 cr; limited to 40 students; prereq 5-331 or SeEd 5-344) I-II S, D Pearson
- 5-347. *Workshop: Curriculum Implementation in Elementary School Science*. (3-6 cr; limited to 35 students; prereq elem tchg experience) IX-X Th, R Johnson
- 5-350. *Elementary School Science: Materials and Resources*. (3 cr; limited to 35 students; prereq 5-349) IX-X T, Humphreys
- 5-361. *Teaching Social Studies in the Elementary School*. (3 cr; limited to 35 students; prereq 3-101 or equiv) IX-X W, Cogan
- 8-300. *Special Collections of Children's Literature*. (3 cr; limited to 15 students) IX-X T, Odland

Foundations of Education

HIGHER EDUCATION (Educ)

- 5-104. *Adult Education*. (3 cr; limited to 35 students) IX-X W, Woods
- 5-184. *Supervision of Student Teaching*. (3 cr; prereq 15 cr in educ or #) IX-X W, Mork
- 8-230. *Seminar: Dissertation Research in Higher Education*. (1 cr per qtr; prereq PhD candidate) 7:30-9:30 p.m. M, Bu 226, Corcoran, Eckert, Keller
- 8-286. *Professional Education of Teachers*. (3 cr; prereq 8-285 or #) III-IV S, Mork, Woestehoff

HISTORY AND PHILOSOPHY OF EDUCATION (HEd)

- 5-113. *Intercultural Education: Afro-American Populations*. (3 cr) IX-X T, Harkins
- 5-132. *Education in the Third World*. (3 cr) IX-X T, Graham
- 5-170. *American Pragmatism and Education*. (3 cr) IX-X M, Bagley
- 5-182. *Comparative Philosophies of Education*. (3 cr) IX-X W, Beck
- 5-190. *Sociology of Education*. (3 cr, §Soc 5-953) IX-X T, Clark
- 5-212. *Education in Societies of the Future*. (3 cr) IX-X M, Harkins
- 8-232. *Seminar in Comparative Education: Education and National Development*. (Cr ar; prereq #) IX-X Th, Graham

- 8-242. *Seminar: Educational Philosophy*. (3 cr; prereq #) IX-X Th, Beck
- 8-290. *Advanced Sociology of Education*. (3 cr; prereq 5-190 or Soc 5-953 or #) IX-X M, Weidman

Mathematics Education (MthE)

- 5-332. *New Content and Methods in Secondary School Mathematics Instruction*. (3 cr; prereq 5-312 or #) IX-X W, Donovan Johnson
- 5-366. *Computer-Assisted Mathematics Instruction*. (3 cr; prereq 5-311 or 5-312 or SeEd 3-365 or #) 4:15-6:45 Th, D C Johnson
- 8-570. *Research in Mathematics Education*. (3 cr; prereq 8-500 or #) IX-X Th, D C Johnson

Music Education (MuEd)

- 5-112. *Research Techniques*. (4 cr) IX-X W, Turrentine
- 5-231. *Supervision and Administration of Elementary Music*. (4 cr; prereq major or minor in music or music education) IX-X M, Borg
- 5-514. *Advanced Wind and Percussion Techniques*. (4 cr; prereq BS in music education or #) IX-X Th, Turrentine
- 8-283. *Seminar: Curriculum Development*. (4 cr per qtr; prereq 8-282) IX-X T, Caswell

Physical Education

PHYSICAL EDUCATION (PE)

- 5-121. *Contributions of Basic Science to Physical Education*. (3 cr; prereq #) I-II S, 1 hr ar, Wilson
- 5-695. *Practicum: Intramurals-Extramurals*. (3-5 cr; prereq 5-255) 4:00-5:30 Th, 1 hr ar, Anderson
- 8-320. *Seminar: Kinesiology*. (3 cr; prereq 8-120 or 8-121 or #) 4:00-6:00 T, Stoner, Wilson
- 8-980. *Research Problems*. (3 cr; prereq 5-980, PsyF 5-110 or #) 4:00-5:30 Th, 1 hr ar, Ar

SCHOOL HEALTH EDUCATION (Hlth)

- 5-140. *Administration of the School Health Program*. (3 cr; prereq 3-320, PubH 3-001 or equiv or #) 4:00-6:00 M, Slocum
- 5-350. *Family Life and Sex Education in the Elementary Schools*. (3 cr; limited to 30 students) 4:00-6:00 W, Slocum
- 8-980. *Research Problems*. (3 cr; prereq PE 5-980, PsyF 5-110 or #) 4:00-6:00 Th, Ar

Secondary Education (SeEd)

- 5-105. *Audio-Visual Materials in Education*. (3 cr; prereq sr) IX-X T, 1 hr ar, Pearson
- 5-108. *Nonprojected Audio-Visual Materials and Equipment Laboratory*. (3 cr; lab limited to 15 students; prereq 5-105 or ¶5-105) Lect IX-X M, Pearson; Lab, sec 2, IX-X Th, Ar
- 5-110. *Applied Instructional Media Evaluation and Selection*. (3 cr; limited to 30 students; prereq 5-105) IX-X W, Ar
- 5-113. *Principles of Secondary School Curriculum*. (3 cr; prereq 3-155 or equiv) IX-X M, Ar
- 5-153. *New Perspectives in the Social Studies*. (1-3 cr; maximum 12 cr) IX-X M, West
- 5-173. *Preparation of Curriculum Materials*. (3 cr; prereq 5-113 or Elem 5-100) IX-X T, Kimpston
- 5-195. *Sources for Curriculum Development in English and Speech*. (3 cr; limited to 20 students; prereq 5-194 or #) 7:00-9:30 p.m. W, Shroyer
- 5-322. *Teaching Rhetoric and Composition in Secondary Schools*. (3 cr; limited to 20 students) IX-X Th, Piche
- 5-382. *Testing and Evaluation in Foreign Language Teaching and Learning*. (3 cr; prereq PsyF 5-120) III-IV S, Birkmaier, Lange
- 5-390. *Current Developments in Secondary School Science Teaching*. (3 cr; prereq 3-356, 3-357, 3-358 or 3-352 or equiv undergrad courses or experience in tchg science) I-II S, Gennaro
- 8-104. *Curriculum Development in the Social Studies*. (3 cr; prereq 5-150, 5-152) IX-X W, Gardner
- 8-188. *Seminar: Research in Second Language Learning and Teaching*. (3 cr; prereq 3-385, 8-869, doctoral student) I-II S, Birkmaier, Lange
- 8-322. *Seminar: Secondary Curriculum and Instruction*. (1 cr per qtr, total 3 cr; prereq 5-113) IX-X W, Kimpston
- 8-387. *Seminar: Foreign Language Education*. (1-3 cr; prereq #) IX-X F, Birkmaier, Lange

Vocational-Technical Education

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.

DISTRIBUTIVE EDUCATION (DE)

- 5-100. *Organization and Administration of Distributive Education*. (3 cr) 4:00-6:30 W, Klaurens, Meyer

5-115. *Post-Secondary Business and Distributive Education*. (3 cr) 4:00-6:30
M, Ashmun

5-330. *Teaching Supervisory Training*. (3 cr) 4:00-6:30 T, Klaurens, Meyer

HOME ECONOMICS EDUCATION (HEEd)

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

INDUSTRIAL EDUCATION (Ind)

5-312. *Supervision of Industrial Education*. (3 cr; prereq 3-330 or 5-314)
IX-X M, Ar

5-320. *Vocational Guidance*. (3 cr; prereq SeEd 3-155) IX-X T, Ar

5-330. *Industrial Course Construction*. (3 cr, §3-340) IX-X W, Ar

5-360. *Industrial Instruction*. (3 cr; prereq 3-340, SeEd 3-155 and #) IX-X Th,
Ar

8-300. *Literature of Industrial Education*. (3 cr; prereq #) IX-X Th, Ar

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 196 Child Development Building.

Adviser	Field	Office
Alexander, John F.	PEM	400 Cooke
Alkire, Gary F.	EdAd (Elem)	221 H Serv, St. Paul
Ammentorp, William M.	EdAd and Higher Ed	221 H Serv, St. Paul
Anderson, Alan R.	EPsy (CSPP)	249 Burton
Anderson, Bruce D.	PEM	203 Cooke
Anderson, Douglas H.	EPsy (PsyF)	330 Burton
Anderson, Eugene M.	Sec Ed—Clin Ex	212 Burton
Ashmun, Richard D.	DE	270 Peik
Bagley, Ayers L.	Hist and Phil of Ed	203 Burton
Balow, Bruce E.	EPsy (SpEd)	5 Pattee
Bart, William M.	EPsy (PsyF)	330 Burton
Bear, W. Forrest	AgEd	222 Ag Eng, St. Paul
Beck, Robert H.	Hist and Phil of Ed	203 Burton
Biggs, Donald A.	EPsy (CSPP)	2001 Riverside Ave.
Bird, Patrick	PEM	217 Cooke
Birkmaier, Emma M.	Sec Ed (Lang)	224 Peik
Blocher, Donald H.	EPsy (CSPP)	249 Burton
Boeck, Clarence H.	Sec Ed (Sci)	370 Peik
Borg, Robert L.	MuEd	214 Scott
Borow, Henry	EPsy (CSPP)	30 Nicholson
Briskin, Alan S.	EPsy (CSPP)	137 Burton
Brown, Marjorie M.	HEEd	121 McNeal, St. Paul
Bruininks, Robert H.	EPsy (SpEd)	12 Pattee
Bruning, Charles R.	Teacher Ed	11 Oak St. S.E.
Burris, Russell W.	EPsy (PsyF)	400 Ford
Caswell, Arnold F.	MuEd	215 Scott
Chapman, Frederick M.	Rec and Park Admin	204 Cooke
Chase, Naomi C.	Elem (Lang Arts)	130 Burton
Clark, Shirley M.	Hist and Phil of Ed	203 Burton
Collier, Raymond O.	EPsy (PsyF)	330 Burton
Corcoran, Mary E.	Higher Ed and Hist and Phil of Ed	211 Burton
Cross, W. Ray	EdAd (Elem)	213 H Serv, St. Paul
Dykstra, Robert	Elem (Lang Arts)	136 Burton
Eckert, Ruth E.	Higher Ed	226 Burton
Edson, William H.	EPsy (CSPP)	206 Burton
Ellis, Arthur K.	Elem (Soc St)	250 Burton
Force, Dewey G., Jr.	EPsy (SpEd)	101 Pattee
Ford, Roxana R.	HEEd	212 McNeal, St. Paul
Gallistel, Elizabeth R.	EPsy (SpEd)	103 Pattee
Gardner, William E.	Sec Ed (Soc St)	104 Burton
Gayne, Clifton A.	Art Ed	135 Wulling
Gennaro, Eugene D.	Sec Ed (Sci)	370 Peik
Giese, David L.	EPsy (PsyF)	106 Nicholson
Glotzbach, Charles J.	EPsy (CSPP)	206 Burton
Goossen, Carl V.	Elem (Sci)	201 Pattee
Hagenah, Theda	EPsy (CSPP)	200 Eddy
Hall, Marian D.	EPsy (School Psy)	226 CD
Hansen, Harlan S.	Elem and NKP	238 Burton
Hansen, Lorraine S.	EPsy (CSPP)	239 Burton

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

Adviser	Field	Office
Harkins, Arthur M.	Hist and Phil of Ed	203 Burton
Hendrix, Vernon L.	EdAd	207 H Serv, St. Paul
Hewer, Vivian H.	EPsy (CSPP)	101 Eddy
Hooker, Clifford P.	EdAd (Gen)	218 H Serv, St. Paul
Hopkins, Charles R.	BsEd	270 Peik
Hoyt, Cyril J.	EPsy (PsyF)	330 Burton
Hummel, Thomas J.	EPsy (PsyF)	206 Burton
Humphreys, Alan H.	Elem (Sci)	105 Pattee
Jackson, Robert L.	Math Ed and Elem	115 Burton
Jaeger, Eloise M.	PEW	101 Norris
Johnson, David C.	Sec Ed (Math)	336 Peik
Johnson, David W.	EPsy (PsyF)	330 Burton
Johnson, Donovan A.	Sec Ed (Math)	130 Peik
Johnson, Paul E.	EPsy (PsyF)	330 Burton
Johnson, Roger T.	Elem (Soc St)	242 Burton
Kavanaugh, William A.	Ind Ed	125 Peik
Kegler, Stanley B.	Sec Ed (English)	217 Morrill
Keller, Robert J.	EdAd and Higher Ed	211 Burton
Kimpston, Richard D.	Sec Ed (Curr)	345 Peik
Kingsley, G. Gordon	EPsy (CSPP)	10 Nicholson
Klaurens, Mary K.	DE and Vo-Tech Ed	270 Peik
Lambert, Ronald T.	Elem and EdAd (Elem)	250 Burton
Lange, Dale L.	Sec Ed (Lang)	152 Peik
Lewis, Darrell R.	Sec Ed (Econ Ed)	1169 B.A., West Bank
Loeffler, Dorothy R.	EPsy (CSPP)	101 Eddy
MacEachern, Donald	EPsy (PsyF)	330 Burton
Manning, John C.	Elem (Reading)	144 Burton
Marvin, R. Paul	AgEd	208 Horticulture, St. Paul
McFarland, Keith N.	AgEd	200 McNeal, St. Paul
McMillion, Martin B.	AgEd	208 Horticulture, St. Paul
Merwin, Jack C.	EPsy (PsyF)	104 Burton
Meyer, Warren	DE	249 Peik
Moen, Norman W.	Higher Ed	116 Nicholson
Moores, Donald F.	EPsy (SpEd)	106 Pattee
Morgan, Don A.	EdAd (Higher Ed)	209 H Serv, St. Paul
Mork, Gordon M.A.	Teacher Ed	211 Burton
Moss, Jerome, Jr.	Ind Ed	125 Peik
Mueller, Van Dyck	EdAd (Gen)	217 H Serv, St. Paul
Nelson, Howard F.	Ind Ed	125 Peik
Nickerson, Neal C.	EdAd (Sec)	211 H Serv, St. Paul
Odland, R. Norine	Elem (Literature)	136 Burton
Pearson, Neville P.	Sec Ed (A-V)	206 Westbrook
Pearson, P. David	Elem Ed (Reading)	138 Burton
Persons, Edgar A.	AgEd	315 North, St. Paul
Peterson, Milo J.	AgEd	208 Horticulture, St. Paul
Piche, Gene L.	Sec Ed (Lang Arts)	350 Peik
Popper, Samuel H.	EdAd (Gen and Sec)	210 H Serv, St. Paul
Post, Thomas R.	Math Ed and Elem	520 Johnston
Price, Raymond G.	BsEd	254 Peik
Pucel, David J.	Ind Ed	125 Peik
Randleman, Robert R.	Ind Ed	125 Peik
Raygor, Alton L.	EPsy (CSPP)	101 Eddy
Rest, James	EPsy (PsyF)	330 Burton
Reynolds, Maynard C.	EPsy (SpEd)	101 Pattee
Rhetts, John E.	EPsy (PsyF)	330 Burton
Rockwell, George J.	EPsy (School Psy)	226 CD
Ryan, Frank L.	Elem (Soc St)	258 Burton
Rynders, John E.	EPsy (SpEd)	13 Pattee
Samuels, S. Jay	EPsy (PsyF)	330 Burton
Scarr, Sandra W.	CPsy and EPsy (CSPP)	226 CD
Schreiner, Robert L.	Elem (Reading)	138 Burton
Schultz, Stephen W.	MuEd	330 Scott
Sederberg, Charles H.	EdAd (Gen)	221 H Serv, St. Paul
Shaffer, Warren F.	EPsy (CSPP)	247 Burton
Shrago, Morris I.	EPsy (SpEd)	226 CD

Adviser	Field	Office
Shroyer, Thomas G.	Sec Ed (English)	230 Peik
Sillers, Bruce	EPsy (CSPP)	206 Burton
Slocum, Helen M.	PEW and School Hlth	158 Norris
Slettehaugh, Thomas C.	ArEd	135 Wulling
Smith, Brandon B.	Ind Ed	145 Peik
Snoke, Martin L.	EPsy (CSPP)	301 Walter Library
Stark, Thomas	EdAd (Gen)	223 H Serv, St. Paul
Stedman, Louise A.	HEEd	200 McNeal, St. Paul
Stochl, James E.	Math Ed and Elem	530 Johnston
Stoner, Lela June	PEW	165 Norris
Sullivan, Allen R.	Sec (Curr) and EPsy (SpEd)	345 Peik
Swanson, Gordon I.	AgEd	208 Horticulture, St. Paul
Tennyson, W. Wesley	EPsy (CSPP)	259 Burton
Terwilliger, James S.	EPsy (PsyF)	330 Burton
Turnure, James E.	EPsy (SpEd)	14 Pattee
Turrentine, Edgar M.	MuEd	332 Scott
Weatherman, Richard E.	EPsy (SpEd) and EdAd	108 Pattee
Weinberg, Richard A.	EPsy (School Psy)	226 CD
Welch, Wayne W.	EPsy (PsyF)	104 Burton
West, Edith	Sec Ed (Soc St)	350 Peik
Whiteford, Emma B.	HEEd	107 McNeal, St. Paul
Wilk, Roger E.	EPsy (PsyF)	221 Burton
Williams, Howard Y.	Sec Ed and Higher Ed	130 Peik
Wilson, Marjorie U.	PEW	108 Norris
Woestehoff, Arnold S.	Teacher Ed	400 12th Avenue S.E.
Wood, Frank H.	EPsy (SpEd)	107 Pattee
Zander, Donald R.	EPsy (CSPP)	220 Morrill

CALENDAR 1971-72

FALL QUARTER

September

- 6 Holiday (Labor Day)
- 15 Application deadline for adult special students including teachers in service
- 16 Fall quarter fees due for students registered through September 10
- 24 Last day for registration and payment of fees for undergraduates, including adult specials (except teachers in service)
- 27 Fall quarter classes begin
- 30 Opening Convocation (IV hour classes excused)

October

- 1 Last day for registration and payment of fees for the Graduate School and teachers in service
- 23 Homecoming Day
- 28 Twin Cities Assembly Meeting, 3:30 p.m.

November

- 25 Holiday (Thanksgiving Day)
- 26-27 Classes excused

December

- 1 Last day to file application for winter quarter admission to the undergraduate colleges or for change of college within the University (including teachers in service)
- 2 Senate Meeting, 3:30 p.m.
- 3 Deadline for application for admission to Graduate School, winter quarter
- 8 Review begins
- 9-15 Final Examination period
- 15 Fall quarter closes
All-University Commencement (Twin Cities Campus)

WINTER QUARTER

December

- 21 Last day for payment of winter quarter fees for undergraduates in residence fall quarter including adult specials (except teachers in service)
- 24-25 Holiday (Christmas Day)
- 31 Holiday

January

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

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

February

- 3 Twin Cities Assembly Meeting
- 20-26 University of Minnesota Week
- 25 Graduate School application deadline for spring quarter

March

- 1 Last day to file application for admission to the undergraduate colleges or for change of college within the University for spring quarter (including teachers in service)
- 9 Senate Meeting, 3:30 p.m.
- 11 Review begins
- 13-18 Final examination period
- 18 Last day for payment of spring quarter fees for students in residence winter quarter in undergraduate colleges including adult specials (except teachers in service)
Winter quarter closes
No All-University Commencement scheduled

SPRING QUARTER

March

- 20-24 Registration and payment of fees for new students in all undergraduate colleges
- 27 Spring quarter classes begin
- 30 Last day for registration and payment of fees for the Graduate School and teachers in service

April

- 3 Holiday (Easter Monday)
- 27 Twin Cities Assembly Meeting

May

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

June

- 7 Review begins
- 8-14 Final examination period
- 15 Spring quarter closes
All-University Commencement (Twin Cities Campus)

SUMMARY OF CLASS SCHEDULES 1971-72

Mon. (IX-X)	Tues. (IX-X)	Wed. (IX-X)	Thurs. (IX-X)	Fri. (IX-X)	Sat. (I-II)	Sat. (III-IV)
FALL QUARTER						
CPsy 8-345*	ArEd 8-306	CPsy 8-345*	CPsy 8-336†	SeEd 8-287	ArEd 5-303	ArEd 5-385
EdAd 8-215	BsEd 5-108	EdAd 8-265	EdAd 8-201		BsEd 5-105	BsEd 5-106
EdAd 8-218	CPsy 8-336†	EdAd 8-274	EdAd 8-224		Elem 5-363	EdAd 8-210
PsyF 3-670§§	EdAd 8-226	CSPP 5-130	PsyF 5-141		Educ 8-251	Elem 5-100
PsyF 5-160	EdAd 8-290	PsyF 3-670§§	SpEd 5-140§		SeEd 5-105	Educ 5-184
Elem 5-333	CSPP 5-101	PsyF 5-160	Elem 5-108		SeEd 5-385	PE 5-123
Elem 5-334	PsyF 5-141	Elem 5-316	Elem 5-317			SeEd 8-869
Elem 8-364	PsyF 8-520	Elem 5-346	HEd 5-132			
Educ 8-230¶¶	Elem 5-332	HEd 5-210	MthE 5-312**			
HEd 5-110	Elem 5-376	MthE 5-311‡	MthE 5-355			
HEd 5-192	Elem 8-347	PE 5-255†	MuEd 5-217			
MthE 5-311‡	HEd 5-155	Hlth 5-150§	MuEd 5-441			
MuEd 5-305	HEd 5-191	SeEd 5-110	PE 5-980§			
PE 5-100†	HEd 8-231	SeEd 5-112	PE 8-112§			
PE 5-255†	MthE 8-590	SeEd 5-150	SeEd 5-109			
Hlth 5-120§	MuEd 5-441	SeEd 5-323	SeEd 5-194			
SeEd 5-109	MuEd 8-281	SeEd 5-371	SeEd 5-344†			
SeEd 5-129	PE 8-150§	SeEd 8-322	SeEd 8-642			
SeEd 5-323	SeEd 5-106	DE 5-110†	Ind 5-360			
SeEd 5-670	SeEd 5-113	DE 5-111‡‡	Ind 8-300			
SE 5-305¶	SeEd 5-114	Ind 3-330				
Ind 3-340	SeEd 5-344†	Ind 5-305				
	Ind 5-301					
	Ind 5-314					
WINTER QUARTER						
Psy 8-333*	ArEd 8-206	BsEd 5-100	BsEd 5-101	MuEd 5-322	ArEd 5-389	ArEd 8-300
EdAd 8-216	BsEd 5-103	CPsy 8-333*	CPsy 8-343*	SeEd 8-387	CPsy 5-319	EdAd 8-202
EdAd 8-227	CPsy 8-343*	EdAd 8-201	PsyF 5-160		(9-11-30)	Elem 5-108
EdAd 8-235	EdAd 8-336	EdAd 8-264	SpEd 5-141§		Elem 5-300	Educ 8-250
PsyF 5-120	PsyF 5-160	EdAd 8-275	SpEd 5-150		PE 5-122	Educ 8-285
Elem 5-331	PsyF 8-250	CSPP 5-110	Elem 5-362		SeEd 5-172	Hlth 5-300
Educ 8-230¶¶	SpEd 5-100§	PsyF 5-120	MthE 5-322**			SeEd 5-170
Ed 5-190	SpEd 5-150	SpEd 8-580	MuEd 5-115			SeEd 8-870
Ed 5-211	Elem 5-349	Elem 5-100	MuEd 5-214			
MuEd 5-211	HEd 5-112	Elem 8-317	PE 3-115‡			
MuEd 5-322	HEd 5-125	HEd 5-131	PE 8-980§			
HEd 5-107	HEd 5-156	MthE 8-500	SeEd 8-642			
HEd 5-152	MuEd 5-214	MuEd 5-111	Ind 5-314			
HEd 5-321	MuEd 8-282	MuEd 5-322	Ind 5-325			
HEd 5-344†	PE 3-115‡	Hlth 8-980§				
SE 5-340¶	PE 5-695†	SeEd 5-110				
Ed 5-309	PE 8-980§	SeEd 5-321				
Ed 8-310	SeEd 5-105	SeEd 5-344†				
(IX-XI)	SeEd 5-113	SeEd 8-194				
	SeEd 5-198	SeEd 8-322				
	DE 5-300†	SeEd 8-364				
	DE 5-301‡‡	DE 5-105†				
	Ind 5-303	DE 5-106‡‡				
		Ind 3-344				
SPRING QUARTER						
Ed 5-316	ArEd 8-306	BsEd 5-110	CPsy 8-347*	SeEd 8-387	BsEd 5-104	ArEd 5-384
Psy 8-341*	BsEd 5-102	CPsy 8-341	EdAd 5-103		Elem 5-334	BsEd 5-107
EdAd 5-167	CPsy 8-347*	EdAd 8-230	EdAd 8-242		PE 5-121	EdAd 8-217
EdAd 8-291	EdAd 8-302	EdAd 8-253	PsyF 5-141		SeEd 5-390	Elem 5-100
PsyF 3-670§§	EdAd 8-234	PsyF 3-670§§	PsyF 5-170		SeEd 8-188	SeEd 5-382
PsyF 5-120	PsyF 5-141	PsyF 5-120	PsyF 8-921			
Ed 5-112	PsyF 5-170	PsyF 8-520	SpEd 5-141§			
Elem 5-107	PsyF 8-921	SpEd 5-112	SpEd 5-180			
Elem 5-331	SpEd 5-143§	Elem 5-361	Elem 5-300			
Educ 8-230¶¶	SpEd 5-180	Educ 5-104	Elem 5-332			
Ed 5-170	Elem 5-350	Educ 5-184	Elem 5-347			
Ed 5-212	Elem 8-300	HEd 5-182	HEd 8-232			
Ed 8-290	HEd 5-113	MthE 5-332	HEd 8-242			
MuEd 5-231	HEd 5-132	MuEd 5-112	MthE 5-366**			
Hlth 5-140§	HEd 5-190	Hlth 5-350§	MthE 8-570			
Ed 5-108	MuEd 8-283	SeEd 5-110	MuEd 5-514			
Ed 5-113	PE 8-320§	SeEd 5-195††	PE 5-695†			
Ed 5-153	SeEd 5-105	SeEd 5-322	PE 8-980†			
SE 5-115¶	SeEd 5-173	SeEd 8-104	Hlth 8-980§			
Ed 5-312	DE 5-330¶	SeEd 8-322	SeEd 5-108			
	Ind 5-320	DE 5-100¶	Ind 5-360			
		Ind 5-330	Ind 8-300			

KEY	
•	3:45-5:00
†	3:45-6:00
‡	4:00-5:30
§	4:00-6:00
¶	4:00-6:30
§§	4:15-5:30
¶¶	4:15-6:45
***	5:45-6:30
†††	7:00-9:30 p.m.
§§§	7:00-10:00 p.m.
¶¶¶	7:30-9:30 p.m.