


The Bulletin of the UNIVERSITY of MINNESOTA

The College of Education Announcement
of Late Afternoon and Saturday Morning Classes
1945-1946

( Paper is a critical material. Please save this
bulletin or give it to someone else who is interested.)



Volume XLVIII, Number 28

August 21, 1945

Entered at the post office in Minneapolis as semi-monthly second-class matter, Minneapolis, Minnesota. Accepted for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized July 12, 1918

UNIVERSITY CALENDAR, 1945-46

1945

September	24-28	
September	27-28	
October	1	Monday
October	13	Saturday
November	12	Monday
November	22	Thursday
December	14-15 and 17-20	
December	20	Thursday

Fall Quarter

Freshman Week
 Registration, College of Education. Fall quarter fees due
 Fall quarter classes begin 8:30 a.m.
 Last day for registration and payment of fees for the Graduate School and for teachers in service* (Sunday, November 11, Armistice Day); holiday (except extension)
 Thanksgiving Day; holiday
 Final examination period
 Commencement Convocation. Fall quarter ends at 6:00 p.m.

1946

January	4-5	
January	7	Monday
January	19	Saturday
February	12	Tuesday
February	22	Friday
March	15-16 and 18-21	
March	21	Thursday

Winter Quarter

Registration for new students in College of Education
 Winter quarter classes begin 8:30 a.m.
 Last day for registration and payment of fees for the Graduate School and for teachers in service*
 Lincoln's Birthday; holiday (except extension)
 Washington's Birthday; holiday (except extension)
 Final examination period
 Commencement Convocation. Winter quarter ends 6:00 p.m.

Spring Quarter

March	29-30	
April	1	Monday
April	13	Saturday
April	19	Friday
May	16	Thursday
May	30	Thursday
June	7-8 and 10-14	
June	9	Sunday
June	14	Friday

Registration for new students in College of Education
 Spring quarter classes begin 8:30 a.m.
 Last day for registration and payment of fees for the Graduate School and for teachers in service*
 Good Friday; holiday (except extension)
 Cap and Gown Day Convocation
 Memorial Day; holiday (except extension)
 Final examination period
 Baccalaureate service
 Spring quarter ends 6:00 p.m.; Seventy-fourth annual commencement, 8:00 p.m.

Summer Session

June	17-18	
June	19	Wednesday
July	4	Thursday
July	25	Thursday
July	27	Saturday
July	29	Monday
July	30	Tuesday
August	31	Saturday

Registration, first term. Payment of fees closes at 4:00 p.m. June 18 for students in all colleges
 First term Summer Session classes begin 8:30 a.m.
 Independence Day; holiday
 Commencement, 8:00 p.m.
 First term closes
 Registration, second term. Payment of fees closes at 4:00 p.m. July 29 for students in all colleges
 Second term classes begin 8:30 a.m.
 Second term closes

* Teachers in service will be allowed to register in the College of Education during the second week of classes without penalty.

DIRECTORY OF ADMINISTRATIVE OFFICERS

(University of Minnesota Telephone—Main 8177)

	Room
W. E. Peik, Dean of the College of Education	204Bu
Marcia Edwards, Assistant Dean of the College of Education	202Bu
Jean H. Alexander, Chairman, Students' Work Committee	206BU
G. Lester Anderson, Director of Student Teaching	104UHS
Clifford P. Archer, Director of Bureau of Recommendations	208Bu

See list of major advisers on page 14.

GENERAL INFORMATION

The following program of late afternoon and Saturday classes is arranged by the College of Education for teachers in service. Many of the offerings are subjects required in the regular curricula for high school elementary teachers, or in the specialized curricula. Students expecting to qualify for a degree should secure a copy of the College of Education Bulletin, Announcement of Courses which contains a statement of general requirements for graduation, required courses in major and minors, descriptions of course content, and the specialized curricula. Students should consult a major adviser as early in their programs as possible. Failure to do so often delays graduation and makes extra work necessary. Graduate students should consult the Bulletin of the Graduate School.

The small letter f after a course number indicates that the course is taught in the fall quarter; w indicates winter quarter; s indicates spring quarter.

Bulletin changes and room schedules will be posted each quarter on the official bulletin board outside the door of Room 210 Burton Hall.

The fee for part-time registration in the College of Education is \$2.25 per credit for residents of the state and \$4.75 per credit for nonresidents. Other fees include special course fees and a \$5 deposit. If five or more credits are taken, an incidental fee of \$9.65 is also required. Auditors pay the same fees as students registered for credit.

SPECIAL REQUIREMENTS

PSYCHOLOGICAL EXAMINATIONS

The psychological examinations, which are general examinations designed to show a student's capacity to pursue professional curricula in education, are required of both classified and unclassified undergraduate students of education, and are considered a prerequisite to graduation. These examinations include the general English examination. Dates when they are given will be announced at the beginning of fall, winter, and spring quarters. Special arrangements can be made for teachers in service and others who are unable to attend during the week. Graduate students in education should take the examinations scheduled for this group during the first quarter in residence.

SCHOLASTIC STANDARDS

An average of C+ in specified courses of the major field is required for admission to methods courses and practice teaching and for graduation. An average of C is required in secondary school teaching minors for all undergraduate students beginning their work for a degree after June 15, 1941. This also applies to the one regular minor required of students majoring in elementary education.

REQUESTS FOR SPECIAL OFFERINGS IN EXTENSION

The College of Education is desirous of meeting the needs of teachers, supervisors, and administrators in service. Whenever there are groups of about fifteen or more who desire a special extension course to cover an educational problem not now included in our offering, please make a formal request to Mr. J. M. Nolte, director, University Extension, who will take up the matter with the College of Education. Such requests should be made early in any quarter or semester for inclusion during the subsequent term or during the fall quarter for inclusion the following Summer Session. All late evening and off-campus courses are extension courses. All campus late afternoon and Saturday morning courses are regular College of Education courses. A limited number of Graduate School courses can now be taken for credit in the Graduate School in extension in the Twin City area. See Graduate School bulletins on this point.

ADDITIONAL COURSES

There are also some late afternoon and Saturday morning academic courses offered in the various teaching fields. Persons who desire to take work in any such department should get the necessary information by securing from one of the university book stores the bulletin entitled Combined Class Schedule for 1945-46, price 35 cents.

Additional courses in Education, Educational Psychology, Physical Education, and other subject-matter areas are offered in the Extension Division. The announcement of the Extension Division will be sent by the office of admissions and records on request without charge.

BUREAU OF RECOMMENDATIONS

Students or alumni who have completed one quarter of work are eligible for registration for placement. The fee is \$4.50 per year of registration. The bureau receives requests for experienced persons for many important vacancies.

SUMMARY OF CLASS SCHEDULES

On page 16 will be found a summary of class schedules by quarters, days, and hours of offering. This will help to simplify the planning of programs for the year and quarters:

PROGRAM OF COURSES

AGRICULTURAL EDUCATION

Major adviser—Professor Field.

Persons interested in courses to be arranged by the Department of Agricultural Education should write directly to Mr. A. M. Field, head of the Department of Agricultural Education, 205 Horticulture, Agricultural Campus, St. Paul 8, Minn.

ART EDUCATION

Major advisers—Professor Ruth Raymond; Assistant Professor Marie Lien.

GROUP A—DESIGN

No.	Title	Hour	Day	Bldg.	Instructor
ArtEd.150f-151w	Understanding Contemporary Design (6 cred.; jr., sr., grad., by permission)	4:30 to 6:20 and ar.	T	207J	Miss Lien

GROUP C—REPRESENTATION—STUDIO PRACTICE

ArtEd.24f,w,s, 26f,w,s,28f,w,s	Specialized Drawing and Painting (2 cred. each qtr.) Sec. 1 Painting in water-color or gouache	Lect. and dem. Lab.	II I and III-IV	S 207J S	Miss Lutz Miss Lutz
-----------------------------------	---	------------------------	--------------------	-------------	------------------------

Senior College Courses

ArtEd.66f,w,s, 67f,w,s,68f,w,s	Specialized Drawing and Painting Sec. 1 Painting (oil) portrait	Lect. and dem. Lab.	I II-IV	S 207J S	Miss Lutz Miss Lutz
-----------------------------------	--	------------------------	------------	-------------	------------------------

GROUP E—PROFESSIONAL COURSES

ArtEd.183s	Philosophy of Art Education (3 cred.; sr., grad.) IX			MWF 203AJ	Miss Raymond
ArtEd.185w‡	Types of Art Instruction (Secondary School Methods) (3 cred.; sr., grad.) IX-X and ar.			Th 203AJ	Miss Lien
ArtEd.284f,w,s	Reading and Research in Art Education (Cred. ar.; grad.) Ar			Ar Ar	Miss Lien
ArtEd.295f,w,s	Special Problems in Art Education (including technical art projects and involving advanced studio practice) Ar			Ar Ar	Miss Raymond and appropriate staff members

‡ A fee of \$1 per credit is charged for this course.

CURRICULUM AND INSTRUCTION

Major advisers—Professors Boardman, Bossing, Brueckner, Cook, Johnson, Dora V. Smith, and Wesley.

All courses under *Curriculum and Instruction* except seminar courses, carry a fee of \$1 per credit.

GENERAL COURSES

No.	Title	Hour	Day	Bldg.	Instructor
Ed.C.I.104s†	Adult Education (2 cred.; jr., sr., grad.)	IX-X	T	301Lib	Mr. Dickerman
Ed.C.I.105s†	Visual Aids in Teaching (2 cred.; jr., sr., grad.)	III-IV	S	206WeH	Mr. Wendt
Ed.C.I.107f-108w‡	Radio in Education (4 cred.; jr., sr., grad.; prereq. 9 cred. in ed.)	I-II	S	302MurH	Mr. Tyler
Ed.C.I.114s†	The School Health Education Program (3 cred.; sr., grad.; prereq. Ed.T. 88, P.H. 50 or equiv.)	III-IV 1 hr. ar.	S	3NGW	Miss Starr
Ed.C.I.117s†	Rural Education for Administrators and Teachers (3 cred.; sr. grad.; prereq. consult instructor)	I-II	S	109UHS	Mr. Archer
Ed.C.I.145s†	Remedial Reading (3 cred.; prereq. Ed.C.I. 143 or 144 or 159)	I-II	S	100Pt	Mr. Brueckner
Ed.C.I.151w†	Diagnosis and Remedial Instruction (3 cred.; sr., grad.; prereq. Ed.C.I. 150 or equiv.)	I-II and 1 hr. ar.	S	210UHS	Mr. Brueckner
Ed.C.I.171f,w,s‡	Curriculum Laboratory Practice—A course in the analysis and construction of units, courses of study, and curricula; class projects and individual projects according to needs, interests, level, and specialization. A special section will be organized for the winter quarter devoted to community resources available within the Twin Cities for curriculum development. Class discussions, survey, field trips (2 to 6 cred.; sr., grad.; prereq. 170 or consent of instructor)	Ar(f,s)	Ar	Ar	Mr. Bossing, Mr. Cook
Ed.C.I.207f,w,s*‡	Problems in Radio Education (1 to 3 cred. per qtr.)	Ar	Ar	Ar	Mr. Tyler
Ed.C.I.215f,w,s*‡	Problems in the School Health Education Program (Cred. ar.; prereq. permission of instructor)	Ar	Ar	Ar	Miss Grout
Ed.C.I.216f,w,s†	Field Work in the School Health Education Program (Cred. ar.; prereq. permission of instructor)	Ar	Ar	Ar	Miss Grout
Ed.C.I.217f,w,s	Seminar in the School Health Education Program (Cred. ar.; consult instructor)	Ar	Ar	Ar	Miss Grout
Ed.C.I.271f,w,s*‡	Problems in Curriculum Construction (2 or 3 cred. a qtr. with a maximum of 6; prereq. completion or current enrolment in one of the following: Ed.C.I. 113 or 119 and 170 or consent of instructor)	Ar	Ar	Ar	Mr. Bossing, Mr. Cook
Ed.C.I.273f,w,s*‡	Problems in Reading (2 to 6 cred.; prereq. previous training in reading such as Ed.C.I. 143 or 144 or equiv.)	Ar	Ar	Ar	Mr. Cook

ELEMENTARY EDUCATION

Ed.C.I.62Bf†	The Teaching of Arithmetic in Intermediate Grades (2 cred.; sr.; prereq. Ed. 61A-B)	IX-X	T	100Pt	Mr. Brueckner
Ed.C.I.63Tf†	Children's Literature (2 cred.; for teachers in service)	IX-X	M	206UHS	Miss Smith

* This course may be taken for independent study under Plan B for the Master's degree.

‡ A fee of \$1 per credit is charged for this course.

No.	Title	Hour	Day	Bldg.	Instructor
Ed.C.I.119f,w†	Elementary School Curriculum (3 cred.; sr., grad.; prereq. Ed.C.I. 61C or equiv.)	III-IV and 1 hr. ar.		S 115UHS	Mr. Cook
Ed.C.I.143w†	Teaching and Supervision of Reading in the Elementary School (3 cred.; jr., sr., grad.; prereq. 9 hrs. in ed. including Ed. 51A or 61A)	4:30-6:30	W	209EdH	Mr. Cook
Ed.C.I.146w†	Current Developments in Language Expression in the Elementary School (2 cred.; jr., sr., grad.; prereq. Ed. 61A-B-C or equiv. Not open to students who have had Ed.C.I. 64)	III-IV		S 206UHS	Miss Smith
Ed.C.I.149w†	The Teaching and Supervision of Arithmetic in the Elementary School (2 cred.; sr., grad.; prereq. Ed. 61A-B-C or equiv.)	IX-X		M 209UHS	Mr. Brueckner
Ed.C.I.150ft	Supervision and Improvement of Instruction (3 cred.; sr., grad.; prereq. Ed. 61C or equiv.)	I-II and 1 hr. ar.		S 210UHS	Mr. Brueckner
Ed.C.I.157f,w,s†	Practice in Supervision (3 cred. a qtr.; sr., grad.; prereq. consent of instructor)	Ar	Ar Ar		Mr. Brueckner
Ed.C.I.173As†	Organizing Units of Instruction in the Elementary School—A consideration of the principles and procedures involved in the organization of units (center of interest units, activity units, experience units, etc.) utilizing natural science and social studies content in the development of reading skills, oral and written composition skills, arithmetic skills, study skills, and desirable social behavior (3 cred.; sr., grad.; prereq. 119 or teaching experience)	III-IV		S 105UHS	Mr. Cook
Ed.C.I.181s†	Foundations of Elementary School Methods (3 cred.; sr., grad.; prereq. 9 hrs. in ed.)	IX-X		M 100Pt	Mr. Brueckner
Ed.C.I.226f,w,s	Seminar in Elementary School Problems	IX-X		W 209Bu	Mr. Brueckner, Mr. Cook
Ed.C.I.261f,w,s*†	Special Problems in School Supervision (2 cred.; prereq. 10 hrs. in ed. including Ed. 51A or equiv.)	Ar		Ar 220Bu	Mr. Brueckner
Ed.C.I.263f*†	Research in Arithmetic Instruction (2 cred.; prereq. Ed.C.I. 148 or 149 or equiv.)	III-IV		S 209UHS	Mr. Brueckner
Ed.C.I.264w*†	Research in Educational Diagnosis (2 cred.; prereq. Ed.C.I. 151 or equiv.)	IX-X		W 115UHS	Mr. Brueckner

SECONDARY EDUCATION

Ed.C.I.113w†	High School Curriculum (3 cred.; sr., grad.; prereq. 10 hrs. in ed. including Ed. 51A-B-C)	I-II and 1 hr. ar.		S 209UHS	Mr. Bossing
Ed.C.I.122s†	Literature for Adolescents (2 cred.; jr., sr., grad.; prereq. Ed. 51C or junior-senior teaching experience)	I-II		S 206UHS	Miss Smith
Ed.C.I.135w†	Teaching of Occupations and Group Guidance (2 cred.; sr., grad.; prereq. Ed.Psy. 133 or permission of instructor)	III-IV		S 106Pt	Miss Edwards, Miss Wright
Ed.C.I.168w†	Current Developments in the Social Studies (2 cred.; grad. only)	III-IV		S 207UHS	Mr. Wesley
Ed.C.I.170Bs†	Curriculum and Course of Study Construction—A study of the principles and methods for the selection and organization of units, courses of study, and curricula at the secondary school level (3 cred.; sr., grad.; prereq. 113 or 119 and 170 or consent of instructor)	I-II and 1 hr. ar.		S 209UHS	Mr. Bossing
Ed.C.I.173Bs†	Organizing Units of Instruction in the Secondary School (2 cred.; sr., grad.; prereq. 113 or consent of instructor)	III-IV		S Ar	Mr. Bossing

* This course may be taken for independent study under Plan B for the Master's degree.

† A fee of \$1 per credit is charged for this course.

No.	Title	Hour	Day	Bldg.	Instructor
Ed.C.I.191s†	Advanced Course in the Teaching and Supervision of Secondary School Mathematics (2 cred.; prereq. Ed. 51C or permission of instructor)	I-II	S	105UHS	Mr. Donovan Johnson
Ed.C.I.199Ef,w,s†	Internship (Cred. ar.; grad.)	Ar	Ar	Ar	Mr. Anderson
Ed.C.I.201f,w,s*†	Problems in Teaching the Social Studies (3 cred. a qtr.; grad.; prereq. consent of instructor)	4:00	T	226Bu	Mr. Wesley
Ed.C.I.204f†	Social Studies Curriculum (2 cred.)	III-IV	S	207UHS	Mr. Wesley
Ed.C.I.222f,w,s	Seminar—Current Problems in Technique of High School Instruction (With or without credit; prereq. Ed. 51C and Ed.C.I. 113)	IX-X	W	210UHS	Mr. Bossing, Mr. Johnson, Miss Smith, Mr. Wesley
Ed.C.I.225f,w,s*†	Special Problems in Supervision of Instruction in Secondary Schools (Cred. ar.)	Ar	Ar	218Bu	Mr. Boardman
Ed.C.I.254s†	Supervision of the Social Studies (2 cred.; sr., grad.; prereq. Ed. 61A-B-C or equiv.)	III-IV	S	207UHS	Mr. Wesley
Ed.C.I.287f†	Advanced Course in the Teaching of Science (2 cred.; sr., grad.; prereq. Ed. 51C)	III-IV	S	106UHS	Mr. Johnson
Ed.C.I.293s*†	Foundations of Secondary School Methods (3 cred.)	IX-X and 1 hr. ar.	F	106UHS	Mr. Johnson
Ed.C.I.294f*†	Advanced Course in Methods of Teaching English (2 cred.; prereq. Ed.T. 66A-B-C or equiv.)	IX-X	T	209UHS	Miss Smith
Ed.C.I.296f,w,s*†	Special Problems in Teaching English (Cred. ar.; grad.) Fall—Mechanics of Expression Winter—Special Problems in Teaching English Spring—Unit Procedures in Literature	III-IV(f) Ar(w) IX-X(s)	S Ar M	206UHS 206Bu 206UHS	Miss Smith Miss Smith Miss Smith

HIGHER EDUCATION

Ed.C.I.184f†	Supervision of Student Teaching (2 cred.; sr., grad.)	Ar	Ar	Ar	Mr. Anderson
Ed.C.I.228f,w,s*†	Problems of Higher Education and Teacher Training (Cred. ar.)	Ar	Ar	Ar	Mr. Peik, Mr. Cooper, Miss Eckert
Ed.C.I.250f†	Higher Education in the United States—Curriculum and instruction (3 cred.; prereq. 15 hrs. in ed.)	I-II and 1 hr. ar.	S	206UHS	Miss Eckert
Ed.C.I.285f†	Professional Education of Teachers (2 cred.; prereq. 15 hrs. in ed.)	III-IV	S	328Lib	Mr. Peik

EDUCATIONAL ADMINISTRATION

Major advisers—Professors Neale, Boardman, and Bossing.

GENERAL COURSES

Ed.Ad.124f	Public School Administration (3 cred.; sr., grad.; prereq. 10 hrs. in ed.)	IX	MWF	210Bu	Mr. Neale
Ed.Ad.125w	Pupil Personnel Administration (3 cred.; sr., grad.; prereq. 124)	IX-X 1 hr. ar.	M	210Bu	Mr. Neale

* This course may be taken for independent study under Plan B for the Master's degree.

† A fee of \$1 per credit is charged for this course.

No.	Title	Hour	Day	Bldg.	Instructor
Ed.Ad.127f	Teachers and Employee Administration (3 cred.; sr., grad.; prereq. 124)	III-IV and 1 hr. ar.	S	109UHS	Mr. Neale
Ed.Ad.210s*	Financial Aspects of Public School Business Administration (3 cred.; prereq. 124, 125)	I-II 1 hr. ar.	S	110UHS	Mr. Neale
Ed.Ad.226s	School Plant Planning and Management (3 cred.; sr., grad.; prereq. 124, 125)	IX-X 1 hr. ar.	M	210Bu	Mr. Neale
Ed.Ad.228f,w,s*	Special Problems in Educational Administration (1 or 3 cred.; prereq. 124, 125)	Ar	Ar	224Bu	Mr. Neale
Ed.Ad.230f*	Public Relations for Schools (3 cred.; grad.)	I-II 1 hr. ar.	S	109UHS	Mr. Neale
Ed.Ad.235f,w,s	Seminar in Educational Administration	Ar	Ar	224Bu	Mr. Neale

ELEMENTARY EDUCATION

Ed.Ad.115w	Organization of the Elementary School (3 cred.; jr., sr., grad.; prereq. 10 hrs. in ed.)	III-IV 1 hr. ar.	S	110UHS	Mr. Neale
------------	--	---------------------	---	--------	-----------

SECONDARY EDUCATION

Ed.Ad.133f	Guidance in Secondary Schools (2 cred.; sr., grad.; prereq. 9 hrs. in ed.)	III-IV	S	106Pt	Miss Edwards, Miss Wright
Ed.Ad.167f	Junior High School (3 cred.; sr., grad.; prereq. 10 hrs. in ed. including Ed. 51)	I-II and 1 hr. ar.	S	105UHS	Mr. Bossing
Ed.Ad.218f,w,s	Recent Literature in Secondary Education (Cred. ar.)	IX-X	W	209UHS	Mr. Boardman, Mr. Bossing
Ed.Ad.263f	The Organization of the Secondary School (3 cred.)	III-IV 1 hr. ar.	S	210UHS	Mr. Boardman
Ed.Ad.264w	The Administration of the Instructional Activities of the Secondary School (3 cred.)	III-IV 1 hr. ar.	S	210UHS	Mr. Boardman
Ed.Ad.270f,w,s*	Special Problems in Secondary Education (Cred. ar.; maximum 9 cred.)	Ar	Ar Ar		Mr. Boardman, Mr. Bossing

HIGHER EDUCATION

Ed.Ad.174s	The Junior College (3 cred.; sr., grad.; prereq. Ed.51A-B-C)	III-IV	S	210UHS	Mr. Boardman
------------	--	--------	---	--------	--------------

EDUCATIONAL PSYCHOLOGY

Major advisers—Professors Cook, Miller, Johnson, and McConnell; Associate Professor Van Wagenen.

GENERAL COURSES

Ed.Psy.60f	Introduction to Measurement and Statistics (2 cred.; jr., sr.; prereq. 6 cred. in psy.)	I-II	S	106Pt	Mr. Van Wagenen
Ed.Psy.120s	Basic Principles of Measurement (3 cred. See 120f)	4:00-6:00	T	209EdH	Mr. Cook

* This course may be taken for independent study under Plan B for the Master's degree.

No.	Title	Hour	Day	Bldg.	Instructor
Ed.Psy.133f	Guidance in Secondary Schools (2 cred.; sr., grad.; prereq. 9 hrs. in ed.)	III-IV	S	106Pt	Miss Edwards, Miss Wright
Ed.Psy.140w	Instruments and Techniques of Measurement (3 cred.; sr., grad.; prereq. 120 or equiv.)	VIII-IX	TTh	209EdH	Mr. Cook
Ed.Psy.159s	Personality Adjustments in Education (2 cred.; sr., grad.; prereq. 9 hrs. in ed. and psy. including one recent course in psy.)	4:00-5:30	T	100Pt	Ar
Ed.Psy.208w*	Methods in Educational Research (2 cred.)	III-IV	S	105UHS	Mr. Johnson
Ed.Psy.220w-221s	Advanced Theory of Measurement (2 cred. a qtr.; prereq. Ed.Psy. 120 and 216 or equiv.)	IX-X	T	115Psy	Mr. Van Wagenen
Ed.Psy.225s*	Diagnosis and Counseling in a Student Personnel Program (3 cred.; prereq. Ed. 133 and Ed.Psy. 120 or equiv.)	IX-X	W	210Bu	Miss Edwards
Ed.Psy.233f,w,s	Problems in Guidance and Personnel Work (Cred. ar.; prereq. consent of instructor)	Ar	Ar	202Bu	Miss Edwards
Ed.Psy.240f,w,s*	Problems in Measurement (2 cred. a qtr.)	Ar	Ar	Ar	Mr. Johnson
Ed.Psy.243f,w,s	Problems in Statistics for Students in Education and Psychology (With or without credit. Cred. ar.)	Ar	Ar	Ar	Mr. Johnson
Ed.Psy.253f,w,s*	Research Problems (Ar.; prereq. consult instructor) (See also Ed.Psy. 233 and Ed.Psy. 240)	Ar	Ar	Ar	Mr. Miller, Mr. Cook, Mr. Van Wagenen
Ed.Psy.281f,w,s	Practice in Personnel Work (2-3 cred. Maximum 9 cred.; prereq. Ed.Psy. 225, or to be taken concurrently, and consent of instructor)	Ar	Ar	Ar	Miss Edwards, Mr. Gordon Anderson
Ed.Psy.293w*	Psychology of Learning (3 cred. a qtr.; prereq. 12 cred. in psy. and ed. psy.)	IX-X	T	109UHS	Mr. Anderson

ELEMENTARY EDUCATION

Ed.Psy.113f-114w-115s	Psychology of Elementary School Subjects (2 cred. per qtr.; jr., sr., grad.; prereq. 10 cred. in psy. and ed.)	IX-X	W	109Psy	Mr. Van Wagenen
-----------------------	--	------	---	--------	--------------------

HIGHER EDUCATION

Ed.Psy.252w	Student Personnel Work in College and University (3 cred.; prereq. 250 or 251 or 253 or 254)	IX-X	W	Ar	Ar
Ed.Psy.254s	Measurement and Evaluation in Higher Education (3 cred.; 15 hrs. in ed.)	I-II	S	106UHS	Mr. Johnson
	1 hr. ar.				

HISTORY AND PHILOSOPHY OF EDUCATION

Major advisers—Professor Wesley; Associate Professor Brameld; Assistant Professor Jean H. Alexander.

H.Ed.110s	Intercultural Education (3 cred.; jr., sr., grad.; prereq. 9 cred. in ed. or consent of instructor)	IX-X	T	210Bu	Mr. Brameld, Miss Lien
-----------	---	------	---	-------	---------------------------

* This course may be taken for independent study under Plan B for the Master's degree.

No.	Title	Hour	Day	Bldg.	Instructor
H.Ed.176f	Conflicting Issues in Modern Education (2 cred.; jr., sr., grad.; not open to students who have taken 76; prereq. 6 hrs. in psy.)	IX-X	M	301Psy	Mr. Brameld
H.Ed.179w	Critical Thinking for Teachers (3 cred.; jr., sr., grad.; prereq. 6 cred. in psy.)	IX-X	M	301Psy	Mr. Brameld
H.Ed.241f,w,s	Problems in the History and Philosophy of Education (Cred. ar.; prereq. permission of instructor)	Ar	Ar	226Bu 216ABu	Mr. Wesley Mr. Brameld

HOME ECONOMICS EDUCATION

Major advisers—Professors Wylle B. McNeal, Clara M. Brown, and Ella J. Rose.

Note—Courses in Home Economics are open to all students in the College of Education who have satisfied the prerequisites or by permission of the chief of the division.

H.E.Ed.193Af,s	Home Economics Curriculum (2 or 3 cred.; sr., grad.; prereq. permission of instructor) Secondary school level	IX-X	W	114HE	Miss Clara Brown, Miss Rose
H.E.Ed.194Af,Bs	Adult Education in Home Economics (3 cred. a qtr.; jr., sr., grad.; prereq. H.E.Ed. 91, 93 or parallel)	II-III(f) and 2 hrs. ar. VIII (s) and } III-IV } S	S	114HE	Miss Krost
H.E.Ed.197f,w,s†	Organization and Methods for Related Art Teaching (1 to 3 cred.; sr.; prereq. H.E.Ed. 91; H.E. 180 or parallel)	II	S	405HE	Miss H. Goldstein
H.E.Ed.199Ef,w,s†	Internship (Cred. ar.; grad.)	Ar	Ar	Ar	Miss Rose
H.E.Ed.243f,w,s	Trends in Home Economics (3 cred.; prereq. permission of instructor)	III-IV	S	114HE	Miss Rose
H.E.E.293f,w,s*	Problems in Home Economics Education (1 to 9 cred.; prereq. H.E.Ed. 294 recommended, permission of instructor)	Ar	Ar	Ar	Miss Clara Brown, Miss Rose
H.E.Ed.295f,w,s*	Seminar in Home Economics Education (1-3 cred.)	IX	Th	114HE	Miss McNeal, Miss Clara Brown, Miss Rose

INDUSTRIAL EDUCATION

Major adviser—Professor Homer J. Smith.

The Department of Industrial Education will issue a mimeographed list of courses by quarters during the year. The fall quarter list will go to all teachers of industrial education of the Twin Cities and nearby towns by September 8. Copies will also be available in the office of the Department of Trade and Industrial Education, 200 Eddy Hall, University of Minnesota.

* This course may be taken for independent study under Plan B for the Master's degree.

† A fee of \$1 per credit is charged for this course.

MUSIC EDUCATION

Major advisers—Professor Oberg; Assistant Professor Hazel B. Nohavec.

Note—Students following the Music Education Curriculum may elect seven credits in music in addition to the requirements of their curriculum. Five credits in education electives are required. All other electives must be in academic subjects.

No.	Title	Hour	Day	Bldg.	Instructor
Mu.Ed.60f-61w-62s†‡§	Supervision and Teaching (9 cred.; sr.; prereq. Ed. 51A,B,C and Mu.Ed. 50A,B, 53 and a C+ average in the major)	IX-X and 6 hrs. ar.	W	4Mu	Mrs. Nohavec
Mu.Ed.150†‡	Advanced Course in the Teaching of Elementary School Music (2 cred.; prereq. Mu.Ed. 50A,B or equiv. and consent of instructor)	IX-X	T	4Mu	Mrs. Nohavec
Mu.Ed.220Ef,w,s	Survey and Evaluation of Research in Music Education (3 cred.; prereq. Mu.Ed. 101E)	Ar	Ar	Ar	Mrs. Nohavec
Mu.Ed.224Ef,w,s	Seminar and Individual Research Problems in Music Education (2 to 6 cred.)	Ar	Ar	Ar	Mrs. Nohavec and others
Mu.Ed.225Ef,w,s†‡	Advanced Applied Music (2 to 4 cred.; prereq. entrance exam.)	Ar	Ar	Ar	Ar

PHYSICAL EDUCATION FOR MEN

Major advisers—Professor Keller; Associate Professor Nordly; Instructor Beise.

COURSES IN MAJOR AND MINOR CURRICULA IN PHYSICAL EDUCATION FOR MEN

Phys.Ed.133Ef**	Special Administrative Problems in Physical Education in Secondary Schools (3 cred.; sr., grad.; prereq. 63 or equiv.)	I-II and 1 hr. ar.	S	206CH	Mr. Nordly
Phys.Ed.134Ew**	The Secondary School and College Curriculum in Physical Education (3 cred.; sr., grad.; prereq. 63, 101E or equiv.)	I-II and 1 hr. ar.	S	206CH	Mr. Nordly
Phys.Ed.135Es**	Tests and Measurements in Physical Education (3 cred.; sr., grad.; prereq. 10 hrs. in phys. ed. and Ed.Psy. 60 or equiv.)	I-II and 1 hr. ar.	S	206CH	Mr. Keller
Phys.Ed.136Ef**	Leadership in Community Recreation (3 cred.; sr., grad.; prereq. 56 or equiv. and 10 hrs. in ed. or permission of instructor)	IX-X	T	206CH	Mr. Nordly
Phys.Ed.137Es**	Recent Literature and Research in Health Education, Physical Education, and Recreation (3 cred.; grad.; permission of instructor)	IX-X IX	T Th	206CH 206CH	Mr. Nordly
Phys.Ed.138Ef**	Administration of Physical Education in Colleges and Universities (2 cred.; sr., grad.; prereq. 63 or 133E or equiv.)	IX-X	M	206CH	Mr. Keller
Phys.Ed.141E**	Administration and Supervision of Public Recreation (3 cred.; jr., sr., grad.)	Ar	Ar		Mr. Nordly

† To receive credit for any part of this course a student must complete the parts preceding the dagger.

‡ A fee of \$1 per credit is charged for this course.

§ Taking the speech and psychological examinations and a C+ average (1.5 honor points per credit) in the major or the subject in which student teaching is done are prerequisite to registration in this course.

** The designation "E" after a course number over 100 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.

†† One individual lesson per week, 2 credits, \$25; two individual lessons per week, 4 credits, \$50.

No.	Title	Hour	Day	Bldg.	Instructor
Phys.Ed.142E**	Group Leadership and Community Organization for Recreation (3 cred.; sr., grad.)				
		Ar	Ar		Mr. Nordly
Phys.Ed.237E**	Problems in Health Education, Physical Education, and Recreation (2 to 6 cred.; grad.; prereq. 137E and Ed. 206; ar.)				
		Ar	Ar Ar		Mr. Nordly

PHYSICAL EDUCATION FOR WOMEN

Major advisers—Associate Professors Gertrude M. Baker, Helen M. Starr.

COURSES IN MAJOR, MINOR, AND GRADUATE CURRICULA IN PHYSICAL EDUCATION FOR WOMEN

Open only to students in the College of Education except by permission of instructor.

Statement of fees—A physical education fee of \$1.75 per quarter is charged for all starred courses; a fee of \$3.50 per quarter is charged for Phys.Ed. 21A-B-C and for Phys.Ed. 41A-B-C; maximum fee per student \$3.50 per quarter. For methods and directed teaching courses a fee of \$1 per credit is charged as indicated in the footnotes. The maximum fee per quarter does not apply to the methods and directed teaching courses.

Phys.Ed.21Af-Bw- Cs*†	Elementary Physical Education (6 cred.; no prereq.) 9 (spring) Individual Sports				
		III-IV		S 151NGW	Ar
Phys.Ed.41Af-Bw- Cs*†	Intermediate Physical Education (9 cred.; prereq. 21A-B-C) Sec. 1 (fall) Individual Sports				
		I-II		S 151NGW	Ar
	8 (winter) Individual Sports	I		S 60NGW	Ar
		II		S Ar	Ar
Phys.Ed.111Ef‡	An Advanced Course in Methods of Teaching Physical Education (3 cred.; sr., grad.; prereq. undergrad. methods courses, 60 and 82 or equiv.)				
		IX, X		W 3NGW	Miss Baker
		1 hr. ar.			
Phys.Ed.112Es‡	Supervision of Physical Education (3 cred.; sr., grad.; prereq. teaching experience)				
		IX, X		T 3NGW	Miss Baker
		1 hr. ar.			
Phys.Ed.113Ew‡	Physical Education in the Elementary Schools (3 cred.; sr., grad.; prereq. 60 and 82 or equiv., and experience teaching elementary grade children)				
		IX, X		T 3NGW	Miss Baker
		1 hr. ar.			
Phys.Ed.114Es‡	The School Health Education Program (See Ed.C.I. 114)				
Phys.Ed.116Ew‡	Problems in Physical Fitness (3 cred.; sr., grad.; prereq. 82, 83 or equiv.)				
		IX, X		W 3NGW	Ar
		1 hr. ar.			

ELECTIVES

Phys.Ed.54s††	Camp Leadership (2 cred.; no prereq.)				
		VIII		MW 201NGW	Miss Starr
		1 hr. ar.			

* Students must pay 50 cents for tennis permit and supply own golf equipment.

† A fee of \$3.50 per quarter is charged for this course.

‡ The designation "E" after a course number over 100 indicates that the course is of graduate level in the College of Education but does not carry credit for Plan A and Plan B in the Graduate School.

** The designation "E" after a course number over 100 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.

†† A physical education fee of \$1.75 per quarter is charged for this course.

MAJOR ADVISERS*

1945-46

Subject	Name of Instructor	Room
General Curriculum Adviser	Jean H. Alexander, Chairman Students' Work Committee	206Bu
New Extension Courses	J. M. Nolte	402Adm
EDUCATIONAL FIELDS		
Adult Education	Watson Dickerman	402Adm
Agricultural Education	G. F. Ekstrom	205Hort(UF)
	A. M. Field	205Hort(UF)
Art Education	Ruth Raymond	202J
	Marie Lien	202J
Curriculum and Instruction	W. E. Peik (Teacher Training)	204Bu
	Ruth E. Eckert (Higher)	301EdH
	C. W. Boardman (Secondary)	218Bu
	N. L. Bossing (Secondary)	222Bu
	L. J. Brueckner (Elementary)	220Bu
	W. W. Cook (Elementary)	305EdH
Educational Administration	C. W. Boardman (Secondary)	218Bu
	N. L. Bossing (Secondary)	222Bu
	M. G. Neale (General)	224Bu
Educational Psychology	W. W. Cook	305EdH
	P. O. Johnson	216Bu
	T. R. McConnell	219Adm
	W. S. Miller	302Psy
	M. J. Van Wagenen	351Psy
	Marcia Edwards	202Bu
Health Education	Ruth Grout	121MH
	Helen Starr	214Bu
Elementary Education	Jean H. Alexander	108NGW
	C. P. Archer	206Bu
	L. J. Brueckner	208Bu
	W. W. Cook	220Bu
	W. W. Cook	305EdH
History and Philosophy of Education	Jean H. Alexander (History)	206Bu
	Theodore H. Brameld (Philosophy)	216ABu
	Edgar B. Wesley (Educational Sociology)	226Bu
Home Economics Education	Clara M. Brown	101HE(UF)
	Wylle B. McNeal	215HE(UF)
	Ella J. Rose	111HE(UF)
Industrial Education	Homer J. Smith	200EdH
Library Training	Errett W. McDiarmid	107Lib
Methods and Directed Teaching	G. Lester Anderson	104UHS
Music Education	Hazel B. Nohavec	214Mu
	Paul M. Oberg	106Mu
Nursery School and Kindergarten Education	John E. Anderson	101Pt
	Mary Mechem Fuller	1CW1
Nursing Education	Katharine J. Densford	125MeS
Philosophy of Education	Theodore H. Brameld	216ABu
Physical Education for Men	Louis F. Keller	110CH
	Carl L. Nordly	217CH
Physical Education for Women	Gertrude M. Baker	101NGW
Professional Education of Teachers	W. E. Peik	204Bu
Public Health Nursing	Ruth Freeman	121MH
Radio Education	T. F. Tyler	111NMA
Recreational Leadership	Jean H. Alexander	206Bu
	Carl L. Nordly	217CH
Visual Education	Paul Wendt	3WeH

* For Graduate School advisers see Bulletin of the Graduate School.

SUBJECT-MATTER FIELDS

Subject	Name of Instructor	Room
Botany	P. O. Johnson	216Bu
Chemistry	E. A. Heilman	313VH
Economics	Harold B. Allen	319F
English	Dora V. Smith	206Bu
Geography	R. H. Brown	101bBu
German	O. C. Burkhard	210aF
History	A. C. Krey	102Bu
	Edgar B. Wesley	226Bu
Journalism		
Latin	J. L. Heller	112F
Mathematics	W. L. Hart	100F
Natural Science	P. O. Johnson	216Bu
Physics	J. W. Buchta	147Ph
Political Science	E. M. Kirkpatrick	213Bu
Public Health	Ruth Boynton	121MH
	Ruth Freeman	121MH
Romance Languages	F. B. Barton	200bF
	H. E. Clepton	200aF
	Walter T. Pattison	204½F
Scandinavian	Alrik Gustafson	13F
Social Studies	Edgar B. Wesley	226Bu
Sociology and Social Work	C. Kirkpatrick	111J
Speech	F. M. Rarig	309aF
	Howard Gilkinson	309bF
	F. M. Whiting	10Mu
Speech Pathology	B. Bryngelson	411F
Zoology	J. E. Wodsedalek	308Z

COMPLETE SUMMARY OF CLASS SCHEDULES

FALL						
Saturday I-II	Saturday III-IV	Monday IX-X	Tuesday IX-X	Wednesday IX-X	Thursday IX-X	Friday IX-X
ArtEd.24-26-28 ArtEd.66-67-68 Ed.C.I.107 Ed.C.I.150 Ed.C.I.250 Ed. Ad.230 Ed.Ad.167 Ed.Psy.60 Phys.Ed.133E Phys.Ed.41A H.E.Ed.197**	ArtEd.24-26-28 ArtEd.66-67-68 Ed.C.I.119 Ed.C.I.263 Ed.C.I.204 Ed.C.I.287 Ed.C.I.296 Ed.C.I.285 Ed.Ad.210 Ed.Ad.133 Ed.Ad.263 Ed.Psy.133 H.E.Ed.243 H.E.Ed.194A	Ed.C.I.63T Ed.Ad.124 H.Ed.176 Phys.Ed.138E	ArtEd.150 Ed.C.I.62B Ed.C.I.201* Ed.C.I.294 Mu.Ed.150	Ed.Ad.124 Ed.Ad.218 Ed.Psy.113 H.E.Ed.193A Mu.Ed.60 P.E.111E	Ed.C.I.226 Ed.C.I.222 H.E.Ed.295	Ed.Ad.124
WINTER						
ArtEd.24-26-28 ArtEd.66-67-68 Ed.C.I.108 Ed.C.I.151 Ed.C.I.113 Phys.Ed.134E H.E.Ed.197**	ArtEd.24-26-28 ArtEd.66-67-68 Ed.C.I.119 Ed.C.I.146 Ed.C.I.135 Ed.C.I.168 Ed.Ad.115 Ed.Ad.264 Ed.Psy.208 H.E.Ed.243	Ed.C.I.149 Ed.Ad.125 H.Ed.179	ArtEd.151 Ed.C.I.201* Ed.Psy.140 Ed.Psy.220 Ed.Psy.293 Phys.Ed.112E	Ed.C.I.143 Ed.Ad.218 Ed.Psy.114 Ed.Psy.252 Mu.Ed.61 Phys. Ed.116E	ArtEd.185 Ed.C.I.226 Ed.C.I.222 Ed.Psy.140 H.E.Ed.295	
SPRING						
ArtEd.24-26-28* ArtEd.66-67-68 Ed.C.I.117 Ed.C.I.145 Ed.C.I.122 Ed.C.I.170B Ed.C.I.191 Ed.Ad.210 Ed.Psy.254 Phys.Ed.134E H.E.Ed.197**	ArtEd.24-26-28 ArtEd.66-67-68 Ed.C.I.105 Ed.C.I.114 Ed.C.I.173A Ed.C.I.173B Ed.C.I.254 Ed.Ad.174 H.E.Ed.243 Phys.Ed.21A H.E.Ed.194B	ArtEd.183 Ed.C.I.181 Ed.C.I.296 Ed.Ad.226 Phys.Ed.54VIII	Ed.C.I.104 Ed.C.I.201* Ed.Psy.120* Ed.Psy.159* Ed.Psy.220 H.Ed.110 Phys.Ed.137E Phys.Ed.113E	ArtEd.183 Ed.C.I.264 Ed.Ad.218 Ed.Psy.225 Ed.Psy.115 H.E.Ed.193A Mu.Ed.62 Phys.Ed.54VIII	Ed.C.I.226 Ed.C.I.222 H.E.Ed.295 Phys.Ed.137E	ArtEd.183 Ed.C.I.293

* 4:00

** II only.