

4/1/55
11/17/55

Bulletin of the

UNIVERSITY OF MINNESOTA



*Late Afternoon and
Saturday Morning Classes, 1955-1956*

College of Education

UNIVERSITY OF MINNESOTA

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(University of Minnesota Telephone—Main 8158)

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Committee on Student Scholastic Standing 206 Burton
Paul R. Grim, Director of Student Teaching 210c Burton
Arnold Woestehoff, Director, Bureau of Recommendations 102 Burton

See list of major advisers on page 17.

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 and elementary teachers, or in the specialized curricula. All courses numbered 100 or above may apply toward advanced degrees if approved by advisers as part of the graduate program. Any student registering for courses to be applied toward a degree program should read carefully the section on Admission to Degree Program, and should consult a major adviser as early as possible. Failure to apply for admission or to consult an adviser may delay graduation and make extra work necessary.

The fee for part-time registration in the College of Education is \$4 per credit for residents of the state and \$11.25 per credit for nonresidents. If 6 or more credits are taken, an incidental fee of \$14 is also required.

The fee in the Graduate School for 6 credits or less or thesis only is \$23 for residents and \$67.50 for nonresidents. Graduate students taking more than 6 credits pay \$46 (residents) and \$135 (nonresidents). The incidental fee of \$14 is required of all students in the Graduate School except teachers in service taking less than 6 credits.

Other fees include a \$5 deposit (College of Education) or a \$3 deposit (Graduate School). Auditors pay the same fees as students registered for credit.

Telephone requests for information about College of Education matters should be made to Main 8158, Ext. 6703.

Registration

Teachers in service may register from Monday through Friday of the first week of the quarter only if it is *impossible* for them to come in during the regular registration period. (See the University Calendar on page 18 for registration dates.)

Students who have been admitted to the Graduate School may secure registration materials in 316 Johnston Hall. College of Education students, including those registering as adult special students, should secure registration materials as follows: (1) those registered in the *preceding regular quarter* (excluding summer terms) should report to 206 Burton Hall; and (2) those not so registered should report to the Office of Admissions and Records, window 9, in the Administration Building.

Special arrangements will be made for registering students taking *only* Saturday classes. These students, graduate and undergraduate, should report for registration in 206 Burton Hall on Saturday morning of the first week of classes (fall quarter, October 1). Veterans registering under Public Laws 346 and 16 cannot be registered under this special arrangement for Saturday students, and they should therefore report during the first week of the quarter or during the regular registration periods.

Scholastic Standards

An average of C+ in specified courses of the major field is required for admission to methods courses and student 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.

Admission to Degree Program

Teachers in service may register as adult special students in the College of Education without filing credentials. Anyone planning to proceed with a program of study leading to an undergraduate or graduate degree, however, should file an application for regular admission, with transcripts of previous academic work, *during the first quarter* in which he is registered as an adult special student.

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, Administration Building. See the *Bulletin of the College of Education* for these programs. Procedures for undergraduate admission include satisfactory completion of certain psychological tests, a health examination, and a speech examination. These tests are offered at the beginning of each quarter. Special arrangements to complete these admission requirements can be made in the Student Personnel Office, 206 Burton Hall, by applicants who are unable to attend during the regular class week.

For master of arts and doctor of philosophy programs:

Application for admission to the Graduate School should be made in the Graduate School Office, 316 Johnston Hall. See the *Bulletin of the Graduate School* for M.A. and Ph.D. programs, including those in the various education majors.

Evening and Correspondence Offerings

Additional courses are available through evening and special classes and correspondence courses. Offerings include work in education and also in the various academic departments of the University. Announcements of these courses may be secured without charge by writing to the General Extension Division, Nicholson Hall, University of Minnesota, Minneapolis 14.

Research Problems

Research problems courses, credits, and hours arranged are included in the list of late afternoon and Saturday classes. These courses are taken, on consent of the instructor, by students who are approved candidates for the M.A. degree, Plan B.

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.* Alumni and other students who have completed 30 quarter hours of work in residence are eligible for registration. The fee is \$5.50 for each placement season during which service is desired. The Bureau receives a great many requests for experienced, as well as inexperienced, teachers each year. The office is in 102 Burton Hall.

Summary of Class Schedules

On the back cover is 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 quarter.

Program of Courses

FALL QUARTER, 1955

The following symbols and explanations are used throughout the bulletin:

* An asterisk after the number indicates courses through which it is possible for graduate students to prepare required Plan B papers.

† A dagger after a course number indicates that all quarters of the course preceding the dagger must be completed before credit will be granted for any quarter. (In 1-2†-3, the first two quarters must be completed, while the third is optional.)

‡ A double dagger following a sequence course number indicates that students may enter any quarter.

§ A section mark means that credit will not be given for the course if the equivalent course listed after the section mark has been taken for credit.

¶ A paragraph mark preceding a course number means "concurrent registration," or that the course so indicated may be taken simultaneously.

A sharp mark means "consent of the instructor."

△ A triangle mark means "consent of the division, department, or school involved." (To be obtained at the appropriate office.)

E 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.

Please check the fall quarter *Class Schedule* for building abbreviations. A *Class Schedule* will be given to each student with his registration material.

Agricultural Education (Ag.Ed.)

Persons interested in courses in Agricultural Education should write directly to Department of Agricultural Education, University of Minnesota, St. Paul 1.

Art Education (Ar.Ed.)

- 152 Curriculum Building in Art Education. (3 cred.) IX-X Th, J 109, Gayne
- 189 Application of Aesthetic Theory in Education. (3 cred.) I-II S, J 109, Hastie
- 284 Research in Art Education. (3 cred.) III-IV S, J 109, Gayne
- 295 Problems in Art Education. (Cred. ar.; prereq. consent of major adviser) Ar., Gayne, Hastie

Curriculum and Instruction (Ed.C.I.)

- 63 Children's Literature. (2 cred.) IX-X M, P 2, Odland
- 102 Teaching the Social Studies in the Elementary School. (3 cred.; prereq. Ed. 71C) III-IV S, CW 218, Jarolimek
- 105 Audio-Visual Materials in Education. (3 cred.; prereq. sr.) I-II S, WeH 206, Pearson

- 106 Co-ordinating an Audio-Visual Education Program. (3 cred.; pre-req. 105 or #) IX-X M, WeH 206, Pearson
- 109 Audio-Visual Materials and Equipment Laboratory. (3 cred.; pre-req. 105, ¶105 or #) IX-X T, WeH 206, and 1 hr. lab. IX-X W or Th, Pearson
- 113 High School Curriculum. (3 cred.; prereq. Ed. 55B) IX-X T, JohH 105, Bossing
- 119 Elementary School Curriculum. (3 cred.; prereq. Ed. 71C) IX-X W, NH 213, Goossen
- 131 Advanced Course in Teaching the Technical Business Subjects. (3 cred.) I-II S, Bu 103, Price
- 133 Consumer Education in the Schools. (3 cred.) IX-X Th, CW 206, Price
- 135 Group Procedures in Guidance. (3 cred.; prereq. E.Psy. 133 or #, 9 cred. in education) III-IV S, Bu 111 and 1 hr. ar., White
- 136 Organization and Administration of Distributive Education. (3 cred.) 4:00-6:20 W, Bu 103, Meyer
- 137A Materials and Methods in Co-operative Part-Time Classes. (3 cred.) 4:00-6:20 Th, Bu 103, Meyer
- 143 Teaching and Supervision of Reading in the Elementary School. (3 cred.; prereq. 9 cred. in education) IX-X M, 1 hr. ar.; Pt 202, Bond
- 145 Reading Difficulties. (3 cred.; prereq. 143 or 144) I-II S, Pt 202, Bond
- 150 Supervision and Improvement of Instruction. (3 cred.; prereq. Ed. 71C) III-IV S, NH 207, Goossen
- 153 Supervision and Teaching of English in the Elementary School. (3 cred.; prereq. Ed. 71C) IX-X T, PeikH 175, Archer
- 171 Curriculum Laboratory Practice. (0-3 cred.; prereq. 170A or B, #) Ar., Archer, Bossing
- 184 Supervision of Student Teaching. (3 cred.; prereq. 15 cred. in education, or #) I-II S, JohH 306, Grim
- 199E Internship (Cred. ar.) Ar., Grim
- 201 Problems in Teaching the Social Studies. (3 cred.; prereq. 155 or 168, 204, or #) Ar., McCune, Morse, E. West
- 204 Social Studies Curriculum. (3 cred.) IX-X T; PeikH 165, E. West
- 205* Problems in Audio-Visual Education. (Cred. ar.; prereq. #) Ar., Pearson
- 215* Problems in the School Health Education Program. (Cred. ar.; pre-req. #) Ar., Grout
- 216* Field Work in the School Health Education Program. (Cred. ar.; prereq. #) Ar., Grout
- 217 Seminar in School Health Education Program. (Cred. ar.; prereq. #) Ar., Grout
- 222 Seminar: Current Problems in the Techniques of High School Instruction. (Cred. ar.; prereq. Ed. 55B and senior methods) IX-X W, PeikH 255, Bossing, Keller, Mitchell
- 225* Special Problems in Supervision of Instruction in Secondary Schools. (Cred. ar.; prereq. #) IX-X W, PeikH 255, Keller
- 226 Seminar in Elementary School Problems. (2 cred.) IX-X Th, ShH 120, Archer, Bond, Clymer, Goossen
- 227* Problems in Rural Education. (Cred. ar.; prereq. 117) Ar., Archer
- 228* Problems of Higher Education and Teacher Education. (Cred. ar.; prereq. #) Ar., Eckert, Grim

- 238* Problems in Distributive Education. (Cred. ar.; prereq. #) Ar., Meyer
- 239* Problems in Business Education. (Cred. ar.; prereq. #) Ar., Price
- 253 Seminar on the Improvement of College Instruction. (Cred. ar.; prereq. #) Ar., Eckert, Wrenn
- 254 Directed Experiences in College Instruction. (Cred. ar.; prereq. #) Ar., Eckert, Wrenn
- 261* Special Problems in the Improvement of Instruction. (Cred. ar.; prereq. #) Ar., Goossen
- 271* Problems in Curriculum Construction. (3-6 cred.; prereq. #) Ar., Archer, Birkmaier, Boeck, Bossing, Goossen, D. Johnson
- 273* Problems in Reading. (Cred. ar.; prereq. 143 or 144 or #) Ar., Bond, Clymer, Reynolds
- 284* Problems in Student Teaching. (3-9 cred.; prereq. #) Ar., Grim
- 287* Advanced Course in the Teaching of Science. (3 cred.) III-IV S, Bu 103, 1 hr. ar., P. Johnson
- 294* Advanced Course in Curriculum and Methods in Secondary School English. (2 cred.; prereq. Ed.T. 75C) III-IV S, JohH 307, Petitt
- 296* Special Problems in Teaching English. (Cred. ar.) Ar., Petitt

Educational Administration (Ed.Ad.)

- 115 Organization of the Elementary School. (3 cred.; prereq. 9 cred. in education) III-IV S, JohH 114, Curtin
- 200 Seminar: Elementary School Administration. (3 cred.) IX-X W, PeikH 175, Archer
- 218 Recent Literature in Secondary Education. (Cred. ar.) IX-X W, PeikH 255, Bossing, Keller, Mitchell
- 225 Pupil Personnel Administration. (3 cred.; prereq. 124) I-II S, JohH 115, Prentis
- 228* Special Problems in Educational Administration. (1-3 cred.; prereq. 225) Ar., Prentis
- 236 Field Study in Educational Administration. (0-10 cred.; prereq. #) Ar., Domian
- 270* Special Problems in Secondary Education. (Cred. ar.; prereq. #) Ar., Bossing, R. Keller

Educational Psychology (E.Psy.)

- 100 Individual Appraisal for Counseling. (3 cred.; prereq. 9 cred. in education) I-II S and 1 hr. ar., Bu 111, White
- 133 Basic Procedures in Student Personnel Work. (3 cred.; prereq. 9 cred. in education) VIII-IX M and 1 hr. ar., Bu 111, Dugan
- 182 Education of Exceptional Children. (3 cred.; prereq. Ed. 55B or 71C) III-IV S, Pt 202, Reynolds
- 193 Psychology of Human Learning. (3 cred.; prereq. sr.) 4:00-5:30 TTh, JohH 114, Mork
- 233* Problems in Guidance and Personnel Work. (1-9 cred.) Ar., Dugan, Wrenn
- 240* Problems in Measurement. (3 cred.) Ar., P. Johnson
- 243* Problems in Statistics for Students in Education and Psychology. (3 cred.) Ar., P. Johnson
- 253* Research Problems. (Cred. ar.; prereq. #) Ar., staff

- 280 Practicum in Group Leadership. (3 cred.; prereq. #) Ar., Flanders
- 281 Practice in Personnel Work. (Cred. ar.; prereq. 266 or #) Ar., Edwards, Wrenn
- 282 Practice in High School Personnel Work. (3 cred.; prereq. #) Ar., Dugan

History and Philosophy of Education (H.Ed.)

- 141 Critical Issues in Contemporary Education. (3 cred.) IX-X Th, Pt 202, Ellis
- 156 History of Ideas in American Education. (3 cred.) IX-X M, PeikH 175, Ellis
- 241* Problems in the History and Philosophy of Education. (Cred. ar.; prereq. #) Ar., Ellis

Home Economics Education (H.E.Ed.)

Persons interested in courses in Home Economics Education should write directly to the School of Home Economics, University of Minnesota, St. Paul 1.

Industrial Education (Ind.)

- 40 Analysis. (2 cred.) IX-X W, TNCW 113, Kavanaugh
- 60 Philosophy of Vocational Education. (2 cred.) IX-X M, TNCW 113, Widdowson
- 103 Instructional Aids. (3 cred.; prereq. 70) IX-X F, TNCW 116, Micheels
- 105 Administration. (3 cred.; prereq. 61, 80) IX-X M, TNCW 116, Nelson
- 107 Co-ordination. (3 cred.; prereq. 61 or 125 or #) IX-X T, TNCW 113, Widdowson
- 250 Literature. (3 cred.; prereq. #) IX-X W, TNCW 116, Micheels

Music Education (Mu.Ed.)

- 224* Research Problems. (3 cred.; prereq. elementary statistics) Ar., Ivory, Caswell
- 225E Advanced Applied Music. (2-4 cred.) Ar.

Physical Education (P.E.)

- 118E Problems in Teacher Education in Health, Physical Education, and Recreation. (Cred. ar.; prereq. #) Ar., Baker, Jaeger, Slocum, Wilson
- 123 Advanced Course in Methods of Teaching Physical Education. (3 cred.; prereq. #) 4:00-5:30 TTh, NGW 3, Baker
- 125 Curriculum Trends in the Professional Preparation of Teachers of Physical Education. (3 cred.; prereq. teaching experience, or #) 10:30-12:30 S, NGW 3, and 1 hr. ar., Jaeger
- 130 Contributions of Basic Sciences to Physical Education. (3 cred.; prereq. grad., #) 4:00-5:30 MW, NGW 3, Wilson
- 224* Research Problems in School Health Education, Physical Education, and Recreation. (Cred. ar.; prereq. #) Ar., Baker, Jaeger, Slocum, Wilson

WINTER QUARTER, 1956

The following symbols and explanations are used throughout the bulletin:

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‡ A double dagger following a sequence course number indicates that students may enter any quarter.

§ A section mark means that credit will not be given for the course if the equivalent course listed after the section mark has been taken for credit.

¶ A paragraph mark preceding a course number means "concurrent registration," or that the course so indicated may be taken simultaneously.

A sharp mark means "consent of the instructor."

△ A triangle mark means "consent of the division, department, or school involved." (To be obtained at the appropriate office.)

E 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.

Please check the winter quarter *Class Schedule* for rooms, building abbreviations, and possible changes in offerings. A *Class Schedule* will be given to each student with his registration material.

Agricultural Education (Ag.Ed.)

Persons interested in courses in Agricultural Education should write directly to Department of Agricultural Education, University of Minnesota, St. Paul 1.

Art Education (Ar.Ed.)

- 151 Curriculum Building. (3 cred.) I-II S, Hastie
- 184 Advanced Course in the Teaching and Supervision of Art in the Elementary School. (3 cred.) III-IV S, Gayne
- 295 Problems in Art Education. (Cred. ar.; prereq. consent of major adviser) Ar., Gayne, Hastie
- 296 Seminar in Art Education. (0-10 cred.) IX-X Th, staff

Curriculum and Instruction (Ed.C.I.)

- 105 Audio-Visual Materials in Education. (3 cred.; prereq. sr.) IX-X T, and 1 hr. ar., Pearson
- 109 Audio-Visual Materials and Equipment Laboratory. (3 cred.; prereq. 105 or ¶105 or #) IX-X M and 2 hrs. lab. ar., WeH 206, Pearson
- 125 Occupational Information Laboratory. (3 cred.; prereq. #) III-IV S, Dugan
- 134 Materials and Methods in Consumer Education. (3 cred.; prereq. #) IX-X Th, Price
- 138 Training Store, Office Supervisors. (3 cred.) 4:00-6:20 Th, Meyer

- 139 Co-ordination Techniques. (3 cred.) 4:00-6:20 W, Meyer
- 143 Teaching and Supervision of Reading in the Elementary School. (3 cred.; prereq. 9 cred. in education) IX-X M and 1 hr. ar., Pt 202, Bond
- 144 Teaching of Reading in the Secondary School. (3 cred.; prereq. 9 cred. in education) IX-X M and 1 hr. ar., Bond
- 149 Teaching, Supervision of Arithmetic in Elementary School. (3 cred.; prereq. Ed. 71C) III-IV S, Ruddell
- 151 Diagnosis and Treatment of Learning Difficulties. (3 cred.) IX-X M, Clymer
- 168 Current Developments in the Social Studies. (3 cred.; prereq. grad.) IX-X M, McCune
- 170B Curriculum and Course of Study Construction. (3 cred.; prereq. 113 or 119 or #) IX-X T, Bossing
- 171 Curriculum Laboratory Practice. (0-3 cred.; prereq. 170A or B or #) Ar., Archer, Bossing
- 173A Organizing Units of Instruction in the Elementary School. (3 cred.; prereq. 119 or teaching experience) IX-X Th, Goossen
- 181 Foundations of Elementary School Methods. (3 cred.; prereq. 9 cred. in education) IX-X T, 1 hr. ar., Archer
- 199E Internship. (Cred. ar.) Ar., Grim
- 201* Problems in Teaching the Social Studies. (3 cred.; prereq. 155 or 168, 204 or #) Ar., McCune, Morse, E. West
- 205* Problems in Teaching the Social Studies. (3 cred.; prereq. #) Ar., Pearson
- 215* Problems in Audio-Visual Education. (Cred. ar.; prereq. #) Ar., Grout
- 216* Field Work in the School Health Education Program. (Cred. ar.; prereq. #) Ar., Grout
- 217 Seminar in the School Health Education Program. (Cred. ar.; prereq. #) Ar., Grout
- 222 Seminar: Current Problems in the Techniques of High School Instruction. (Cred. ar. or no cred.; prereq. Ed. 55B and senior methods) IX-X W, PeikH 255, Bossing, Keller, Mitchell
- 225* Special Problems in Supervision of Instruction in Secondary Schools. (Cred. ar.; prereq. #) IX-X W, Keller
- 226 Seminar in Elementary School Problems. (2 cred.) IX-X Th, ScH 120, Archer, Bond, Clymer, Goossen
- 227* Problems in Rural Education. (Cred. ar.; prereq. 117) Ar., Archer
- 228* Problems of Higher Education and Teacher Education. (Cred. ar.; prereq. #) Ar., Eckert, Grim
- 238* Problems in Distributive Education. (Cred. ar.; prereq. #) Ar., Meyer
- 239* Problems in Business Education. (Cred. ar.; prereq. #) Ar., Price
- 250 Higher Education in the United States. (3 cred.; prereq. year of grad. study in any field or 18 cred. in education) I-II S, Eckert
- 254 Directed Experience in College Instruction. (Cred. ar.; prereq. #) Ar., Eckert, Wrenn
- 261* Special Problems in the Improvement of Instruction. (Cred. ar.; prereq. #) Ar., Goossen

- 271* Problems in Curriculum Construction. (3-6 cred.; prereq. #) Ar., Archer, Birkmaier, Boeck, Bossing, Goossen, D. Johnson
- 273* Problems in Reading. (3 cred.; prereq. 143 or 144 or #) Ar., Bond, Clymer, Reynolds
- 284* Problems in Student Teaching. (3-9 cred.; prereq. #) Ar., Grim
- 285 The Professional Education of Teachers. (3 cred.; prereq. 15 cred. in education including 184 and 250 or H.Ed. 182 or E.Psy. 250 or #) III-IV S, Grim
- 294* Advanced Course in Curriculum and Methods in Secondary School English. (2 cred.; prereq. Ed.T. 75C) III-IV S, JohH 307, Pettitt
- 296* Special Problems in Teaching English. (Cred. ar.) Ar., Pettitt

Educational Administration (Ed.Ad.)

- 115 Organization of the Elementary School. (3 cred.; prereq. 9 cred. in education) I-II S, Goossen
- 117 Schools in Rural Areas. (3 cred.) III-IV S, Archer
- 218 Recent Literature in Secondary Education. (Cred. ar.) IX-X W, Bossing, Keller
- 227 Teacher and Employee Administration. (3 cred.; prereq. 225) 4:00-5:30 TTh, Lane
- 228* Special Problems in Educational Administration. (1-3 cred.; prereq. 225) Ar., Lane
- 230 Public Relations for Schools. (3 cred.; prereq. 225) III-IV S, Lane
- 236 Field Study in Educational Administration. (0-10 cred.; prereq. #) Ar., Domian
- 264 Administration of Instructional Activities in the Secondary School. (3 cred.) I-II S, Keller
- 270* Special Problems in Secondary Education. (Cred. ar.; prereq. #) Ar., Bossing, Keller
- 274 The Junior College. (3 cred.) IX-X Th, Keller

Educational Psychology (E.Psy.)

- 133 Basic Procedures in Student Personnel Work. (3 cred.; prereq. 9 cred. in education) IX-X M, 1 hr. ar., Ar.
- 134 School Counseling Procedures. (3 cred.; prereq. 110 or 117, 133, #) VIII-IX M, 1 hr. ar., Dugan
- 142 Individual Mental Testing. (3 cred.; prereq. sr., 110 or 117 or ¶117 with #) III-IV S and 1 hr. ar., Reynolds
- 233* Problems in Guidance and Personnel Work. (1-9 cred.) Ar., Dugan, Wrenn
- 240* Problems in Measurement. (3 cred.) Ar., P. Johnson
- 243* Problems in Statistics for Students in Education and Psychology. (3 cred.) Ar., P. Johnson
- 253* Research Problems. (Cred. ar.; prereq. #) Ar., staff
- 280 Practicum in Group Leadership. (3 cred.; prereq. #) Ar., Flanders
- 281 Practice in Personnel Work. (Cred. ar.; prereq. 226 or #) Ar., Edwards, Wrenn
- 282 Practice in High School Personnel Work. (3 cred.; prereq. #) Ar.

History and Philosophy of Education (H.Ed.)

- 110 Intercultural Education. (3 cred.) I-II S, Kosaki
- 178 Education and the Problems of American Democracy. (3 cred.) IX-X T, Ellis
- 241* Problems in the History and Philosophy of Education. (Cred. ar.; prereq. #) Ar., Ellis

Home Economics Education (H.E.Ed.)

Persons interested in courses in Home Economics Education should write directly to the school of Home Economics, University of Minnesota, St. Paul 1.

Industrial Education (Ind.)

- 42 Course Organization. (3 cred.; prereq. 40) IX-X M, Kavanaugh
- 61 Practices in Vocational Education. (2 cred.; prereq. 60) IX-X T, Widdowson
- 70 Teaching of Industrial Subjects. (3 cred., §100; prereq. 42, Ed. 55B) IX-X W, Nelson
- 101 Tests in Industrial Subjects. (3 cred.; prereq. Ed. 55B) IX-X F, Micheels
- 109 Conference Leading for Industry. (3 cred.; prereq. #) IX-X M, Widdowson
- 251 Literature. (3 cred.; prereq. 250) IX-X W, TNCW 116, Micheels

Music Education (Mu.Ed.)

- 224* Research Problems. (3 cred.; prereq. elementary statistics) Ar., Ivory
- 225E Advanced Applied Music. (2-4 cred.) Ar.

Physical Education (P.E.)

- 107 Camp Administration. (3 cred.; prereq. P.E.M. 46 and #) IX-X W and ar., Osell, Ostrander, Thorpe
- 113 Physical Education in the Elementary School. (3 cred.; prereq. elementary school experience or #) 4:00-5:30 TTh, Baker
- 117 Advanced Course in School Health Instruction. (3 cred.; prereq. P.E.W. 83 or #) 10:30-12:30 S, 1 hr. ar., Slocum
- 118E Problems in Teacher Education in Health, Physical Education, and Recreation. (Cred. ar.; prereq. #) Ar., Baker, Jaeger, Slocum, Wilson
- 135 Tests and Measurements in Physical Education. (3 cred.; prereq. sr., E.Psy. 60) 4:00-5:30 MW, Wilson
- 224* Research Problems in School Health Education, Physical Education, and Recreation. (Cred. ar.; prereq. #) Ar., Baker, Jaeger, Slocum, Wilson
- 244 Construction and Administration of the Physical Education Curriculum. (6 cred.; prereq. P.E.M. 63, 101) 4:00-5:30 MTWTh

SPRING QUARTER, 1956

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§ A section mark means that credit will not be given for the course if the equivalent course listed after the section mark has been taken for credit.

¶ A paragraph mark preceding a course number means "concurrent registration," or that the course so indicated may be taken simultaneously.

‡ A sharp mark means "consent of the instructor."

△ A triangle mark means "consent of the division, department, or school involved." (To be obtained at the appropriate office.)

E 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.

Please check the spring quarter *Class Schedule* for rooms, building abbreviations, and possible changes in offerings. A *Class Schedule* will be given to each student with his registration material.

Agricultural Education (Ag.Ed.)

Persons interested in courses in Agricultural Education should write directly to Department of Agricultural Education, University of Minnesota, St. Paul 1.

Art Education (Ar.Ed.)

- 156 Intercultural Education Through Art. (3 cred.) I-II S, Gayne
- 185 Advanced Course in the Teaching of Art in the Secondary School. (3 cred.) III-IV S, Hastie
- 295 Problems in Art Education. (Cred. ar.; prereq. consent of major adviser) Ar., Hastie, Gayne
- 296 Seminar. (1 cred.) IX-X Th

Curriculum and Instruction (Ed.C.I.)

- 119 Elementary School Curriculum. (3 cred.; prereq. Ed. 71C) I-II S, Ar.
- 122 Literature for Adolescents. (2 cred.; prereq. Ed. 55B or junior-senior high school teaching experience) III-IV S, Petitt
- 135 Group Procedures in Guidance. (3 cred.; prereq. 9 cred. in education, E.Psy. 133, or ‡) VIII-IX Th, Dugan
- 141 Co-operative Part-Time Work Experience Programs. (3 cred.) 4:00-6:20 W, Meyer
- 142 Business and Distributive Programs for Adults. (3 cred.) 4:00-6:20 Th, Meyer

- 143 Teaching and Supervision of Reading in the Elementary School. (3 cred.; prereq. 9 cred. in education) IX-X M and 1 hr. ar., Clymer
- 145 Reading Difficulties. (3 cred.; prereq. 143 or 144) IX-X T and 1 hr. ar., Bond
- 150 Supervision and Improvement of Instruction. (3 cred.; prereq. Ed. 71C) III-IV S, NH 207, Curtin
- 153 Supervision and Teaching of English in the Elementary Schools. (3 cred.; prereq. Ed. 71C) IX-X M, and 1 hr. ar., Archer
- 155 Materials Laboratory for Social Studies Teachers. (3 cred.; prereq. #) IX-X M, McCune, E. West
- 156 Trends in Business Education. (3 cred.) I-II S, Price
- 171 Curriculum Laboratory Practice. (0-3 cred.; prereq. 170A or B or #) Ar., Archer, Bossing
- 173B Organizing Units of Instruction in the Secondary School. (3 cred.; prereq. 113 or #) IX-X Th, Bossing
- 191 Advanced Course in the Teaching and Supervision of Secondary Mathematics. (3 cred.) IX-X Th, D. Johnson
- 199E Internship (Cred. ar.) Ar., Grim
- 201* Problems in Teaching the Social Studies. (3 cred.; prereq. 155 or 168, 204 or #) Ar., McCune, Morse, West
- 205* Problems in Audio-Visual Education. (Cred. ar.; prereq. #) Ar., Pearson
- 215* Problems in the School Health Education Program. (Cred. ar.; prereq. #) Ar., Grout
- 216* Field Work in the School Health Education Program. (Cred. ar.; prereq. #) Ar., Grout
- 217 Seminar in the School Health Education Program. (Cred. ar.; prereq. #) Ar., Grout
- 222 Seminar: Current Problems in the Techniques of High School Instruction. (Cred. ar.; prereq. 55B and senior methods) IX-X W, PeikH 255, Bossing, Keller, Mitchell
- 225* Special Problems in Supervision of Instruction in Secondary Schools. (Cred. ar.; prereq. #) IX-X W, PeikH 255, Keller
- 226 Seminar in Elementary School Problems. (2 cred.) IX-X Th, ShH 120, Archer, Bond, Clymer, Goossen
- 227* Problems in Rural Education. (Cred. ar.; prereq. 117) Ar., Archer
- 228* Problems of Higher Education and Teacher Education. (Cred. ar.; prereq. #) Ar., Eckert, Grim
- 238* Problems in Distributive Education. (Cred. ar.; prereq. #) Ar., Meyer
- 239* Problems in Business Education. (Cred. ar.; prereq. #) Ar., Price
- 243 Recent Research in Reading. (3 cred.; prereq. #) IX-X T, Bond, Clymer
- 252 Effective College Teaching. (3 cred.; prereq. year of grad. study in any field or 18 cred. in education) I-II S, Eckert
- 253 Seminar on the Improvement of College Instruction. (Cred. ar.; prereq. #) Ar., Eckert, Wrenn
- 261* Special Problems in the Improvement of Instruction. (Cred. ar.; prereq. #) Ar., Goossen
- 263* Research: Arithmetic Instruction. (3 cred.) III-IV S, Ruddell
- 271* Problems in Curriculum Construction. (3-6 cred.; prereq. #) Ar., Archer, Birkmaier, Boeck, Bossing, Goossen, D. Johnson

- 273* Problems in Reading. (3 cred.; prereq. 143 or 144 or #) Ar., Bond, Clymer, Reynolds
- 284* Problems in Student Teaching. (3-9 cred.; prereq. #) Ar., Grim
- 286 The Professional Education of Teachers. (3 cred.; 15 cred. in education including 184, 250 or H.Ed. 182 or E.Psy. 250 or #) III-IV S, Grim
- 296* Special Problems in Teaching English. (Cred. ar.) Ar., Petitt

Educational Administration (Ed.Ad.)

- 118 The Community School. (3 cred.) III-IV S, 1 hr. ar., Archer
- 167 Junior High School. (3 cred.; prereq. sr., 9 cred. in education) IX-X T, Bossing
- 210 Financial Aspects of Public School Business Administration. (3 cred.; prereq. 227) III-IV S and 1 hr. ar.
- 218 Recent Literature in Secondary Education. (Cred. ar.) IX-X W, PeikH 225, Bossing, R. Keller, Mitchell
- 226 School Plant Planning and Management. (3 cred.; prereq. 227) 4:00-5:30 TTh
- 228* Special Problems in Educational Administration. (1-3 cred.; prereq. 225) Ar., Prentis
- 236 Field Study in Educational Administration. (0-10 cred.; prereq. #) Ar., Domian
- 270* Special Problems in Secondary Education. (Cred. ar.; prereq. #) Ar., Bossing, R. Keller

Educational Psychology (E.Psy.)

- 133 Basic Procedures in Student Personnel Work. (3 cred.; prereq. 9 cred. in education) I-II S and 1 hr. ar., White
- 183 Education of Gifted Children. (3 cred.; prereq. Ed. 55B or 71C) I-II S, Bond
- 184 Education of the Slow-Learning Child. (2 cred.; prereq. 182) III-IV S, Reynolds
- 233* Problems in Guidance and Personnel Work. (1-9 cred.) Ar., Dugan, Wrenn
- 240* Problems in Measurement. (3 cred.) Ar., P. Johnson
- 243* Problems in Statistics for Students in Education and Psychology. (3 cred.) Ar., P. Johnson
- 253* Research Problems. (Cred. ar.; prereq. #) Ar., staff
- 254* Measurement and Evaluation in Higher Education. (3 cred.) III-IV S, and 1 hr. ar., P. Johnson
- 280 Practicum in Group Leadership. (3 cred.; prereq. #) Ar., Flanders
- 281 Practice in Personnel Work. (Cred. ar.; prereq. 226 or #) Ar., Edwards, Wrenn

History and Philosophy of Education (H.Ed.)

- 179 Critical Thinking for Teachers. (3 cred.) IX-X T, Ellis
- 182 Comparative Philosophies of Education. (3 cred.; prereq. 141) IX-X Th, Dupuis
- 241* Problems in the History and Philosophy of Education. (Cred. ar.; prereq. #) Ar., Ellis

Home Economics Education (H.E.Ed.)

Persons interested in courses in Home Economics Education should write directly to the School of Home Economics, University of Minnesota, St. Paul 1.

Industrial Education (Ind.)

- 44 Equipment and Management. (3 cred.; prereq. 42) IX-X M, Kavanaugh
- 110 Vocational Guidance. (3 cred.; prereq. Ed. 55B) IX-X T, Nelson
- 135 Industrial Course Construction. (3 cred., §40 or §42) IX-X W, Micheels

Music Education (Mu.Ed.)

- 224* Research Problems. (3 cred.; prereq. elementary statistics) Ar., Caswell, Ivory
- 225E Advanced Applied Music. (2-4 cred.) Ar.

Physical Education (P.E.)

- 114 Administration of the School Health Education Program. (3 cred.; prereq. sr., P.E.W. 83 or #) 4:00-5:30 TTh, Slocum
- 115 Recent Literature and Research in Mechanics of Movement. (3 cred.; prereq. undergrad. kinesiology or #) 10:30-12:30 S, 1 hr. ar., Wilson
- 118E Problems in Teacher Education in Health, Physical Education, and Recreation. (Cred. ar.; prereq. #) Ar., Baker, Jaeger, Slocum, Wilson
- 124 Supervision of Physical Education. (3 cred.; prereq. #) 4:00-5:30 MW, Jaeger
- 221 Seminar in Physical Education. (No cred.) Ar., Baker, Jaeger, Slocum, Wilson
- 224* Research Problems in School Health Education, Physical Education, and Recreation. (Cred. ar.; prereq. #) Ar., Baker, Jaeger, Slocum, Wilson
- 261A Seminar: Contemporary Problems in Physical Education. (3 cred.; prereq. consent of adviser) 4:00-5:30 MW

Major Advisers

EDUCATIONAL FIELDS

- Agricultural Education*
Milo J. Peterson—205 Hr (StP)
- Art Education*
Clifford Gayne—106 Jones
W. Reid Hastie—106 Jones
Stanley Wold—236 TSF
- Business Education*
Ray G. Price—101d Burton
- Core Curriculum*
Nelson L. Bossing—226 Burton
- Curriculum and Instruction*
Clifford P. Archer (Elem.)—218 Burton
Emma Birkmaier (Lang.)—230 Peik
Clarence Boeck (Sci.)—370 Peik
Guy L. Bond (Elem.)—212 Burton
Nelson L. Bossing (Sec.)—226 Burton
Theodore W. Clymer (Elem.)—
110 Burton
James Curtin (Elem.)—205 Burton
Carl V. Goossen (Elem.)—220 Burton
Donovan A. Johnson (Math.)—330 Peik
Palmer O. Johnson (Sci.)—216 Burton
George H. McCune (Soc. St.)—
214 Nicholson
Warren G. Meyer (Dist. Ed.)—
105 Burton
Ray G. Price (Bus. Ed.)—101d Burton
Arden Ruddell (Elem.)—205 Burton
- Distributive Education*
Warren G. Meyer—105 Burton
- Educational Administration*
Clifford P. Archer (Elem.)—218 Burton
Nelson L. Bossing (Sec.)—226 Burton
James Curtin (Elem.)—205 Burton
Otto Domian (Gen.)—200a Burton
Carl V. Goossen (Elem.)—220 Burton
Robert J. Keller (Sec.)—222 Burton
Willard R. Lane (Gen.)—125 Shevlin
Roy Prentiss (Gen.)—224 Burton
- Educational Psychology*
Guy L. Bond—212 Burton
Theodore W. Clymer—110 Burton
Willis E. Dugan—219 Burton
William Edson—206 Burton
Ned A. Flanders—492a Ford
Cyril J. Hoyt—211 Burton
- Palmer O. Johnson—216 Burton
Gordon M. A. Mork—101b Burton
Maynard Reynolds—108 Pattee
C. Gilbert Wrenn—109 Burton
- Elementary Education*
Clifford P. Archer—218 Burton
Guy L. Bond—212 Burton
Theodore W. Clymer—110 Burton
James Curtin—205 Burton
Carl V. Goossen—220 Burton
Maynard Reynolds—108 Pattee
Arden Ruddell—205 Burton
- Health Education*
Ruth Grout—121 Millard
- Higher Education*
Ruth E. Eckert—203 Burton
Paul R. Grim—210 Burton
C. Gilbert Wrenn—109 Burton
- History and Philosophy of Education*
Frederick E. Ellis—217 Burton
- Home Economics Education*
Ella J. Rose—115 HE (StP)
- Industrial Education*
William J. Micheels—105 TNCW
- Library Science*
D. K. Berninghausen—6 Library
- Methods and Directed Teaching*
Paul R. Grim—210 Burton
- Music Education*
Arnold F. Caswell—214 Scott
Paul Ivory—214 Scott
Paul Oberg—106 Scott
- Nursery-Kindergarten-Primary Education*
Elizabeth Fuller—104 TNCW
Dale Harris—102 CW
- Nursing Education*
Katharine J. Densford—125 Owre
- Physical Education for Men*
Louis F. Keller—220b Cooke
Ralph A. Piper—219 Cooke
- Physical Education for Women*
Gertrude Baker—104 NGW
- Radio and Television Education*
Tracy F. Tyler—301 Johnston
- Recreation Leadership*
Gerald B. Fitzgerald—221 Cooke

SUBJECT MATTER FIELDS

- Botany*
See Natural Science
- Chemistry*
See Natural Science
- English*
Dorothy Petitt—201 Burton
- Geography*
John Borchert—282 Ford
- German*
Hermann Ramras—214 Folwell
- History*
Rodney C. Loehr—258 Ford
Edith West—166 Peik
- Journalism*
Fred L. Kildow—106 Murphy
- Latin*
Norman J. DeWitt—118 Folwell
- Mathematics*
William Hart—119 Folwell
- Natural Science*
Clarence Boeck—370 Peik
Palmer O. Johnson—216 Burton
- Physics*
See Natural Science
- Political Science*
Asher Christensen—389 Ford
- Romance Languages*
Eugene H. Falk (French)—319 Folwell
- Scandinavian*
Airik Gustafson—13 Folwell
- Social Studies*
Edith West—166 Peik
- Sociology*
Arthur Johnson—446 Ford
- Speech and Theater Arts*
Arthur Ballet—230 Peik
Howard Gilkinson—309b Folwell
Kenneth Graham—308 Nicholson
Donald K. Smith—401 Folwell
Frank Whiting—232 Northrop
- Speech Pathology*
Bryng Bryngelson—410 Folwell
- Zoology*
See Natural Science

Calendar 1955-1956

FALL QUARTER

September

- 23 Fall registration
Orientation program for new students
- 5 Holiday (Labor Day)
- 15 Fall quarter fees due for students registered through September 11
- 16-24 New Students' Week
- 23 Last day for registration and payment of fees in undergraduate colleges
- 26 Fall quarter classes begin
- 29 Opening convocation at 11:30 a.m.; IV hour classes excused
- 30 Last day for registration and payment of fees for the Graduate school, and for teachers in service

October

- 12 Holiday (Columbus Day)
- 29 Homecoming Day

November

- 10 Senate Meeting, 3:30 p.m.
- 11 Holiday (Veterans Day)
- 19 Dads football game
- 24 Holiday (Thanksgiving)
- 25-26 Classes excused (except Medical School)

December

- 8 Senate Meeting, 3:30 p.m.
- 9, 10, 12-15 Final examination period
- 15 Commencement, 8:00 p.m.
- 17 Fall quarter closes

WINTER QUARTER

- 22 Winter quarter fees due for students in residence fall quarter in undergraduate colleges
- 26 Holiday (Christmas Day, Sunday, December 25)
- 29-30 Orientation and registration for new students in all undergraduate colleges

January

- 2 Holiday (New Year's Day, Sunday, January 1)
- 3 Registration resumes; winter classes begin

- 4 Last day for registration and payment of fees for new students in all undergraduate colleges
- 6 Last day for registration and payment of fees for the Graduate School, and for teachers in service

February

- 2 Senate Meeting, 3:30 p.m.
- 13 Holiday (Lincoln's Birthday, Sunday, February 12)
- 20-26 University of Minnesota Week
- 22 Holiday (Washington's Birthday)
- 24 Charter day convocation at 11:30 a.m.; IV hour classes excused

March

- 8 Senate Meeting, 3:30 p.m.
- 9, 10, 12-15 Final examination period
- 15 Spring quarter fees due for students in residence winter quarter in undergraduate colleges
- 15 Commencement, 8:00 p.m.
- 17 Winter quarter closes

SPRING QUARTER

- 22-23 Orientation program; registration and payment of fees for new students in all undergraduate colleges
- 28 Spring quarter classes begin
- 30 Holiday (Good Friday)

April

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

May

- 24 Cap and Gown Day convocation at 11:30 a.m.; IV hour classes excused
- 30 Holiday (Memorial Day)
- 31 Senate Meeting, 3:30 p.m.

June

- 2, 4-8 Final examination period
- 3 Baccalaureate service, 3:00 p.m.
- 9 Spring quarter closes
- 9 Commencement, 8:00 p.m.

SUMMARY OF CLASS SCHEDULES

Saturday I-II 8:30-10:20	Saturday III-IV 10:30-12:20	Monday IX-X 4:30-6:20	Tuesday IX-X 4:30-6:20	Wednesday IX-X 4:30-6:20	Thursday IX-X 4:30-6:20	Friday IX-X 4:30-6:20
FALL QUARTER, 1955						
Ar.Ed. 189 Ed.C.I. 105 Ed.C.I. 131 Ed.C.I. 145 Ed.C.I. 184 Ed.Ad. 225 E.Psy. 100	Ar.Ed. 284 Ed.C.I. 102 Ed.C.I. 135 Ed.C.I. 150 Ed.C.I. 287 Ed.C.I. 294 Ed.Ad. 115 Ed.Ad. 182 P.E. 125 (10:30-12:30)	Ed.C.I. 63 Ed.C.I. 106 Ed.C.I. 143 E.Psy. 133*** H.Ed. 156 Ind. 60 Ind. 105 P.E. 130**	Ed.C.I. 109 Ed.C.I. 113 Ed.C.I. 153 Ed.C.I. 204 E.Psy. 193** Ind. 107 P.E. 123**	Ed.C.I. 119 Ed.C.I. 136* Ed.C.I. 222 Ed.C.I. 225 Ed.Ad. 200 Ed.Ad. 218 Ind. 40 Ind. 250 P.E. 130**	Ar.Ed. 152 Ed.C.I. 133 Ed.C.I. 137A* Ed.C.I. 225 E.Psy. 193** H.Ed. 141 P.E. 123**	Ind. 103
WINTER QUARTER, 1956						
Ar.Ed. 151 Ed.C.I. 250 Ed.Ad. 115 Ed.Ad. 264 H.Ed. 110	Ar.Ed. 184 Ed.C.I. 125 Ed.C.I. 149 Ed.C.I. 285 Ed.C.I. 294 Ed.Ad. 117 Ed.Ad. 230 E.Psy. 142 P.E. 117 (10:30-12:30)	Ed.C.I. 109 Ed.C.I. 143 Ed.C.I. 144 Ed.C.I. 151 Ed.C.I. 168 E.Psy. 133 E.Psy. 134*** Ind. 42 Ind. 109 P.E. 135** P.E. 244**	Ed.C.I. 105 Ed.C.I. 170B Ed.C.I. 181 Ed.Ad. 227** H.Ed. 178 Ind. 61 P.E. 113** P.E. 244**	Ed.C.I. 139* Ed.C.I. 222 Ed.C.I. 225 Ed.Ad. 218 Ind. 70 Ind. 251 P.E. 107 P.E. 135** P.E. 244**	Ar.Ed. 296 Ed.C.I. 134 Ed.C.I. 138* Ed.C.I. 173A Ed.C.I. 226 Ed.Ad. 227** Ed.Ad. 274 P.E. 113** P.E. 244**	Ind. 101
SPRING QUARTER, 1956						
Ar.Ed. 156 Ed.C.I. 119 Ed.C.I. 156 Ed.C.I. 252 E.Psy. 133 E.Psy. 183	Ar.Ed. 185 Ed.C.I. 122 Ed.C.I. 150 Ed.C.I. 263 Ed.C.I. 286 Ed.Ad. 118 Ed.Ad. 210 E.Psy. 184 E.Psy. 254 P.E. 115 (10:30-12:30)	Ed.C.I. 143 Ed.C.I. 153 Ed.C.I. 155 Ind. 44 P.E. 124** P.E. 261A**	Ed.C.I. 145 Ed.Ad. 167 Ed.Ad. 226** H.Ed. 179 Ind. 110 P.E. 114**	Ed.C.I. 141* Ed.C.I. 222 Ed.C.I. 225 Ed.Ad. 218 Ind. 135 P.E. 124** P.E. 261A**	Ar.Ed. 296 Ed.C.I. 135*** Ed.C.I. 142 Ed.C.I. 173B Ed.C.I. 191 Ed.C.I. 226 Ed.Ad. 228** H.Ed. 182 P.E. 114**	

* Class meets from 4:00-6:20.

** Class meets from 4:00-5:30.

*** Class meets from 3:30-5:20.