

The Bulletin of the
UNIVERSITY of MINNESOTA

Duluth Branch—Class Schedule
WINTER QUARTER 1953



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MW 58 Winter Sports

Swimming, 1:30-2:40, TTh, Caring Club, 111 Seabarger
Skiing, 2:30-5:00, M, Wed, 111 Seabarger

MA 90 Ballroom and Square Dance, 5:30-8:30, TTh, 441 Lytle, 111 Seabarger

MW 41 Stunts and Tumbling, 5:30-8:30, MWF, M-10, 111 Seabarger

MW 55 Teaching of Physical Education, 6:00-8:00, TTh, 111 Seabarger

MW 57 Administration, 6:00-8:00, TTh, 111 Seabarger

MW 58 Recreation, 6:00-8:00, TTh, 111 Seabarger

1 General Psychology, 12:00-1:00, MWF, 111 Seabarger

2 General Psychology, 12:00-1:00, MWF, 111 Seabarger

2 ED General Psychology, 5:00-6:00, MWF, 111 Seabarger

2 General Psychology, 6:00-7:00, MWF, 111 Seabarger

4 Elementary Experimental Psychology

5 Elementary Experimental Psychology

10 In. & Stats.

-1, 10:00-11:50, TTh, 111 Seabarger

-2, 1:00-1:50, MWF, 111 Seabarger

74 Psychology in Personality, 12:00-1:00, MWF, 111 Seabarger

92 Later Childhood and Adolescence, 12:00-1:00, MWF, 111 Seabarger

91 Abnormal Psychology, 12:00-1:00, MWF, 111 Seabarger

94 Systems of Psychology, 12:00-1:00, MWF, 111 Seabarger

95 Senior Seminar, 2:00-3:00, MWF, 111 Seabarger

Art 27

2 Survey of Art

-1, 10:00

-2, 11:00

4 Art Today

-1, 8:00-9:00

-2, 9:00-10:00, TTh, 111 Seabarger

5 Introduction to Art

-1, 8:00-9:00, TTh, 111 Seabarger

-2, 9:00-10:00, MWF, 111 Seabarger

3 Ceramics I

-1, 9:00-11:00, MWF, TTh, 111 Seabarger

-2, 2:00-4:00, MWF, 111 Seabarger

6 Design

10:00-11:00

23 Lettering and Color, 8:00-9:00

25 Plane Drawing, 10:00-11:00

33 Design Theory II

50, Art of Art is Elementary, 10:00-11:00

57 Oil Painting II, 10:00-11:00

55 Positive Arts, II

56 Watercolor Painting I

53 Special Projects

60 Advanced Composition I

57 Advanced Projects

58 Advanced Projects

English 27

4 Freshman Composition, 2:00-2:30, MWF, 111 Seabarger

5 Freshman Composition

-1, 8:00-9:50, MWF, M-10, 111 Seabarger

-2, 8:00-9:50, MWF, M-10, 111 Seabarger

-3, 1:00-2:50, MWF, M-10, 111 Seabarger

-4, 8:00-9:50, MWF, M-10, 111 Seabarger

REGISTRATION

Hours: 8:30 to 12:30 and 1:00 to 4:30

Dates: November 16 - 20

Advisement period for students in residence. Each student will have a program conference with his adviser. Appointment for such conferences should be made prior to November 16.

Monday, November 23

Completion of registration for students in residence. From class card distribution through payment of fees.

8:30 a.m. - 12:30 p.m.

Seniors - students who will have completed 132 credits or more by the end of Fall Quarter.

1:00 p.m. - 4:30 p.m.

Juniors - students who will have completed 84 credits or more by the end of Fall Quarter.

Tuesday, November 24

Completion of registration for students in residence. From class card distribution through payment of fees.

8:30 a.m. - 12:30 p.m.

& 1:00 p.m. - 2:00 p.m.

Sophomores - students who will have completed 36 credits or more by the end of Fall Quarter.

2:00 p.m. - 4:30 p.m.

Freshmen chosen by lot and informed by Registration Permit.

Wednesday, November 25

Completion of registration for students in residence. From class card distribution through payment of fees.

8:30 a.m. - 12:30 p.m.

1:00 p.m. - 4:30 p.m.

New students may register. Balance of freshman class, stragglers.

Thursday, December 31

Registration for all new students. Last day for payment of fees without penalty.

Monday, January 4

Classes begin.

IMPORTANT NOTICES

Advisers:

All students have been assigned to faculty advisers. Any student requiring assignment or reassignment should report to the Office of Student Personnel Services, Room 211, Main. Any change of majors or advisers must be made through the Office of Student Personnel Services where a permanent Advisory Record Card is maintained for each student. New students must have their advisers sign their Advisory Record Card.

Payment of Fees: Winter quarter fees are due for all students at the time of registration. Fees for students in residence may be paid during the period from November 23 through November 25. Fees will also be received during the period of December 14 through December 18, 1953. The final date for payment of fees without penalty is December 31, 1953. The extra fee for late payment is \$2.00 through the third day of classes. On the fourth day the fee is \$2.50. It then increases at the rate of 50 cents per day to a maximum of \$5.00.

The University reserves the right to balance sections and to cancel courses in which not enough students are enrolled.

Course Load: Minimum: 12 quarter hours. Note: To obtain full subsistence allowance Korean veterans must take 14 credits.
Maximum: 17 quarter hours.

Courses audited or taken through extension or by arrangement for individual study are considered a part of the course load. They should be planned for at the time of registration and all arrangements completed before the January 15 deadline. The consent of the major adviser is required. Approval to register for less than 12 hours or more than 17 hours (including extension, individual study or auditing) must be secured from the Student Personnel Committee.

Drop-Add: Courses may not be added after January 15. Students desiring to drop courses should do so before February 12. Drop-add procedure is initiated by the student in Room 213, Main, Office of Student Personnel Services.

Music Placement Exams: Freshmen and new advanced students who are majors or minors in music are asked to contact the Music Department Office in Olcott Hall regarding the music placement exams.

Post-Office Boxes: Each student will find his post-office box number at the top of the fee statement. The boxes are in the basement of Washburn Hall and they should be checked daily. Students are held responsible for official notices placed in these boxes inasmuch as this is the University's official channel of communication with students.

Physical Examinations: New students and transfers will be required to make an appointment for their physical examinations before obtaining registration materials. To make such an appointment report to the Health Service Office in Washburn Hall.

Changes of Address: It is the responsibility of students to keep the Office of Student Personnel Services, Main 213, informed of any change in temporary or permanent addresses.

Student Housing Regulations: Students not living at home must reside in University approved dwellings, which should be selected from a list on file in the Office of Student Personnel Services, Room 215. The housing regulations are available upon request in 213 or Room 215 and apply to all off-campus facilities occupied by non-residence students. Questions regarding housing should be referred to the Office of Student Personnel Services, Room 215, Main.

BUILDING ABBREVIATIONS

M - Main
L - Laboratory School
O - Olcott Hall
T - Tweed Hall
S - Science Building (new campus)
G - Gymnasium (new campus)

PROCEDURE

- Step 1. Room 213. Present registration permit for registration materials. Print on all cards. USE INK. Do not complete the section reserved for courses.
- Step 2. Major adviser. Have a program conference with your faculty adviser during the period from November 16 - 20 and have your program approved. New students should have advisers sign their Advisory Record Cards.
- Step 3. Gymnasium, Main. Secure all class cards in the class card distribution center. Complete the information requested on the class cards and complete the back of the green business office card. You may work at the tables provided in the gymnasium. Use ball point pen or a pencil in printing class cards.
- Step 4. (P.L. 16 and P.L. 346 Veterans only) Check necessary details with Mrs. Majerle, Room 118.
- Step 5. After completing all registration materials proceed to the west door of the Auditorium to have class cards and other materials checked. Obtain a number from the tally guide, be seated, and wait for your number to be called. Hand in class cards, obtain fee statement, and have fees audited.
- Step 6. Proceed to Room 118 to pay fees; obtain locker assignment in the Bookstore, Washburn Hall.

KOREAN VETERANS: Veterans who are entering training for the first time under Public Law 550 ("Korean G. I. Bill") should see Mrs. Majerle in Room 118, Main, before completing their registration. Veterans, who attended under the benefits of this law previously should see Mrs. Majerle and report their return to school as soon as possible after Winter Quarter begins.

REGISTRATION PERMITS: Registration permits have again been used in an attempt to provide an orderly registration and allow upperclassmen to register first, thus insuring that they obtain needed classes. The registration permit is first used to obtain registration materials at which time it is stamped "OSPS" and returned to the student. The registration permit receives its final use during class card distribution when it is checked and collected.

WINTER QUARTER CLASS SCHEDULE
I DIVISION OF EDUCATION AND PSYCHOLOGY

EDUCATION - 100

- Ed. 48 Orientation to Teaching
--1, 8:00-8:50, TTh, M-115, (1) Plumb
--2, 1:00-1:50, TTh, M-115, (1) H. C. Johnson
- Ed. 61A School and Society, 12:00-12:50, MTWThF, M-115 (5) Wells
- Ed. 61B Educational Psychology
--1, 9:00-9:50, MTWThF, M-113 (5) Wheat
--2, 3:00-3:50, MTWThF, M-115 (5) Apostolakos
- Ed. 61C Curriculum and Methods in Elementary Education, 1:00-1:50, MWF,
M-320; 9:00-9:50, MTWThF, Lab. School (5) D. Smith
- Ed. 81A School and Society, 12:00-12:50, MTWThF, M-115 (5) Wells
- Ed. 81B Educational Psychology
--1, 9:00-9:50, MTWThF, M-113 (5) Wheat
--2, 3:00-3:50, MTWThF, M-115 (5) Apostolakos
- Ed. 90 Problems of the Teaching Profession
--1, 8:00-8:50, MWF, M-309 (3) Wood
--2, 4:00-5:15, MW, M-115 (3) Wheat
- Ed. Art 52 Teaching Art in the Elementary Grades,
9:00-9:50, MWF, Tweed (3) A. Smith
- Ed. C. I. 63 Children's Literature, 3:00-3:50, MWF, M-107 (3) Culkin
- Ed. C. I. 64 Teaching the Language Arts in the Elementary School, 2:00-2:50,
MTWThF, M-115 (5) D. Smith
- Ed. C. I. 87 Teaching Mathematics in Secondary Schools, 2:00-2:50,
MWF, M-308, (3) H. C. Johnson
- Ed. C. I. 88 Teaching Science in Secondary Schools, 4:00-5:15, TTh, M-115(3)Loy
- Ed. C. I. 113* The Curriculum of the Secondary School, 9:00-11:30, S, L-111(3) Plumb
- Ed. C. I. 122* Literature for Adolescents, 4:30-5:45, MW, M-109 (3) Frogner
- Ed. Psy. 96 Principles & Procedures of Leadership, 1:00-1:50, MWF, M-307 (3) Wheat
- Ed. Psy. 120* Basic Principles of Measurement, 4:30-5:45, TTh, M-109 (3) H.C.Johnson
- Ed. T54A-B Directed Teaching in the Elem. School, Arr., MTWThF (6-7) Staff
- Ed. T55 Nursery School, Kindergarten Curriculum, 1:00-1:50, MWF, M-113 (3) Green
- Ed. T77B-C Directed Teaching in Kindergarten and Primary Grades, Arr
MTWThF (6-7) Staff
- Ed. T82A-B-C Directed Teaching in the Secondary School, Arr, MTWThF (5) Loy & Staff

**This course may be taken for graduate credit.*

Home Economics - 103

- 3 Clothing Construction Non-majors, 9:00-11:50, TTh, M-313 (3) Kraker
- 4 Advanced Clothing Construction and Design, 2:00-3:50, MWF, M-313 (3) Kraker
- 26 Household Furnishings, 10:00-10:50, MW; 10:00-11:50, F, M-313 (3) Kraker
- 32 Introduction to Nutrition, 9:00-9:50, MWF, M-320 (3) Bouldin
- 42 Food Preparation and Table Service, 8:00-8:50, MW, M-311(5) Bouldin 9:00-11:50 TTh
- 83 Home Management Lectures, Arr., (3) Staff
- 84 Home Management House Residence, Arr., (3) Staff
- 90 Special Problems in Home Economics, Arr., (3) Bouldin, Staff
- 96 Adult Education in Home Economics, Arr., (3) Palmer
- Ed. T82A Directed Teaching, 1:00-1:50, MTWTh, M-311,313 (5) Kraker
- Ed. T82B Directed Teaching, Arr., (5) Palmer

Industrial Education - 104

- 2 Machine Woodworking, 8:00-10:00, MWF, Lab. Shop (3) Kovach
- 3 Woodfinishing, 8:00-10:00, TTh, M-13 (2) Voss
- 10 Basic Electricity, 1:00-3:00, MWF, M-15 (3) Kovach
- 13 Plastics, 10:00-12:00, MW, M-13 (2) Voss
- 15 Advanced Drafting, 10:00-12:00, MWF, M-15 (3) Kovach
- 40 Analysis, 12:00-1:00, MW, M-320 (2) Voss
- 42 Course Organization, 12:00-1:00, TTh, M-15 (2) Kovach
- 62 Philosophy and Practice of Vocational Education, 8:00-9:00, MWF, M-107 (3) Voss

Health Education - 105

- 2 Home Nursing, 2:30-3:50, TTh (2) Schumacher, Red Cross
- 3 Personal Health
 - 1, 8:30-9:20, TTh, G-123 (2) Graybeal
 - 2, 9:30-10:20, TTh, G-123 (2) Harrison
 - 3, 1:30-2:20, TTh, G-123 (2) Graybeal
- 5 First Aid and Safety, 8:30-9:20, TTh, G-144 (1) Peterson
- 80 Principles of Health Education, 8:30-9:20, MWF, G-145 (3) Rickert
- 83 Methods and Materials in School Health Education, 2:30-3:20, MWF, G-123, (3) Graybeal

Physical Education for Men - 105

- M1 General Physical Education (freshmen)
 - 1, 2:30-3:40, TTh, M-Gym (1) Gerlach
 - 2, 9:30-10:40, TTh, M-Gym (1) Peterson
 - 3, 2:30-3:40, MW, M-Gym (1) Peterson
- M1 Basketball
 - 1, 12:30-1:40, MW, M-Gym (1) Isenbarger
 - 2, 12:30-1:40, TTh, M-Gym (1) Peterson
- M1 Boxing and Wrestling, 1:40-2:40, TTh A-Gym (1) Peterson
- M1 Swimming
 - 1, 10:30-11:40, MW, Pool (1) Gerlach
 - 2, 3:30-4:40, TTh Pool (1) Gerlach and Peterson
- M2 Swimming Advanced, 2:30-3:40, MW Pool (1) Gerlach
- M4B Basketball Fundamentals, 8:30-9:40, MW M-Gym (1) Peterson
- M5C Gymnastics, 9:30-10:40 MWF, A-Gym (1) Wells
- M6C Swimming, Arr., (1) Staff
- M7B Boxing and Wrestling, 1:40-2:40, TTh A-Gym (1) Peterson
- M60 Prevention and Care of Injuries, 9:30-10:20, MWF, G-145, (2) Gerlach
- M66B Officiating Basketball, 8:30-9:40, TTh, G-144 (1) Gerlach
- M68 Coaching of Basketball, 9:30-10:40, TTh M-Gym (2) Isenbarger

Physical Education for Women - 105

- W1 Basketball, 10:30-11:20, MWF, W-Gym (1) Richards
- W1 Body Mechanics, 9:30-10:20, TTh W-Gym (1) Staff
- W1 Apparatus and Tumbling, 1:30-2:30, TTh, W-Gym (1) Staff
- W1 Swimming,
 - 1, 9:30-10:20, TTh, Pool (1) Richards
 - 2, 2:30-3:20, MW, Pool (1) Van Steinburg
- W1,2 Badminton and Recreational Games, 2:30-3:20, MW, W-Gym (1) Staff
- W2 Modern Dance, 2:30-3:20, MW G-126 (1) Staff
- W2 Swimming, 1:30-2:20, MW, Pool (1) Van Steinburg
- W2 Advanced Swimming, 3:30-4:20, MW Pool (1) Van Steinburg
- W2 Basketball, 12:30-1:20, MW, W-Gym (1) Staff
- W4B Basketball, 10:30-11:20, MW W-Gym (1) Richards
- W5B Body Mechanics, 10:30-11:20, TTh, W-Gym (1) Richards
- W10B Aquatics, 3:30-4:20, MW, Pool (1) Van Steinburg
- W14B Basketball and Officiating, 12:30-1:20, MWF, W-Gym (1) Staff
- W15 Gymnastics, 12:30-1:20, TTh, W-Gym (1) Staff
- W59B Advanced Dance Forms, 2:30-3:20, MWF, G-126 (1) Staff

Physical Education for Men and Women - 105

- MW1 Ballroom Dance, 3:30-4:20, MWF, W-Gym (1) Staff
- MW1 Skiing
 - 1, 3:30-5:00, MW, Rock Hill, (1) Wells
 - 2, 9:30-11:00, S, Rock Hill (1) Wells
- MW1 Badminton, 6:00-8:00 p.m. W, M-Gym (1) Rickert
- M1 Badminton, 9:30-11:00, S, M-Gym (1) Isenbarger
- MW1 Skating, 1:30-2:20, TTh, (1) Isenbarger, Curling Club
- MW2 Square Dance, 1:30-2:20, MWF, W-Gym (1) Staff
- MW1 Modern Dance, 1:30-2:20, MWF, G-126 (1) Staff

MW 6B Winter Sports

Skating, 1:30-2:40, TTh, Curling Club, (1) Isenbarger
Skiing, 3:30-5:00, MF, Rock Hill (1) Wells

MW 9B Ballroom and Square Dance, 3:30-4:20, TTh, W-Gym (1) Staff

MW 41 Stunts and Tumbling, 3:30-4:20, MWF, M-10 (1) Richards

MW 55 Teaching of Physical Education Activities, 12:30-1:20, TTh,
W-Gym (2) Graybeal

MW 57 Administration of Public Recreation 11:30-12:20, MWF, G-1, (3) Isenbarger

MW 58 Recreational Leadership, 9:30-10:40, TTh, G-1 (3) Wells

Psychology - 106

1 General Psychology, 10:00-10:50, MWF M-310 (3) Bonte

2 General Psychology, 1:00-1:50, MWF M-Aud. (3) Hansen

2(ED) General Psychology, 9:00-9:50, TThS, M-310 (3) Hansen

2 General Psychology (Nurses), 9:00-9:50, MWF, M-310 (3) Apostolakos

4 Elementary Experimental Psychology, 1:00-2:50, TTh, M-320 (2) Mohr

5 Elementary Experimental Psychology, 8:00-9:50, TTh, M-320 (2) Mohr

10 How to Study,

--1, 10:00-10:50, TTh, M-310 (2) Mohr

--2, 1:00-1:50, MW, M-310 (2) Mohr

74 Psychology in Personnel Work, 2:00-2:50, MWF, M320 (3) Apostolakos

82 Later Childhood and Adolescence, 11:00-11:50, MWF, M-320 (3) Hansen

91 Abnormal Psychology, 12:00-12:50, MTWThF, M-310 (5) Apostolakos

94 Systems of Psychology, 10:00-10:50, MWF, M-320 (3) Mohr

99 Senior Seminar, 2:00-2:50, TTh, M-310 (3) Hansen

II HUMANITIES

Art - 201

2 Survey of the Arts

--1, 10:00-10:50, MWF, T-33 (2) Miller

--2, 11:00-11:50, MWF, T-33 (2) Miller

4 Art Today

--1, 9:00-9:50, MWF, T-33 (3) Triplett

--2, 2:00-3:20, TTh, T-33 (3) Smith

5 Introduction to Art

--1, 1:00-4:00, TTh T-34 (3) Stueland

--2, 1:00-3:00, MWF, T-34 (3) Smith

8 Ceramics I

--1, 9:00-11:00 MWF, TB, (3) Stueland

--2, 2:00-4:00, MWF, TB (3) Stueland

9 Design I, 9:00-12:00, TTh, T-32 (3) Triplett

23 Lettering and Color, 8:00-10:00, MWF, T-32 (3) Wood

26 Figure Drawing, 10:00-12:00, MWF, T-22 (3) Wood

33 Design (Home Ec.), 10:00-12:00, MFW, T-32 (3) Triplett

Ed. Art 52 Art in Elementary Education, 9:00-9:50, MWF T-34 (3) Smith

57 Oil Painting II, 1:00-4:00. TTh T-22 (3) Wood

65 Primitive Arts, 1:00-1:50, MWF, T-33 (3) Stueland

66 Watercolor Painting I, 2:00-4:00 MWF T-22 (3) Wood

92 Special Problems in Art Education, Arr., (3) Staff

96 Advanced Problems in Drawing, Painting and Print Processes, Arr (3) Staff

97 Advanced Problems in Sculpture, Arr., (3) Staff

98 Advanced Problems in Ceramics, Arr., (3) Staff

99 Advanced Problems in Design, Arr., (3) Staff

English - 202

4 Freshman Composition, 2:00-2:50, MWF, M-309 (3)

5 Freshman Composition

--1, 8:00-8:50, MWF, M-103 (3)

--2, 8:00-8:50, MWF, M-109 (3)

--3, 9:00-9:50, MWF, M-309 (3)

--4, 9:00-9:50, MWF, M-107 (3)

- 6, 9:30-10:20, MWF, S-402 (3)
- 7, 10:00-10:50, MWF, M-107 (3)
- 8, 10:00-10:50, MWF, M-309 (3)
- 9, 10:30-11:20, MWF, S-403 (3)
- 10, 11:00-11:50, MWF, M-107 (3)
- 11, 11:00-11:50, MWF, M-309 (3)
- 12, 11:00-11:50, MWF, M-109 (3)
- 13, 12:00-12:50, MWF, M-103 (3)
- 14, 12:00-12:50, MWF, M-109 (3)
- 15, 1:00-1:50, MWF, M-109 (3)
- 16, 1:00-1:50, MWF, M-107 (3)
- 17, 2:00-2:50, MWF, M-107 (3)

- 6 Freshman Composition, 9:00-9:50, MWF, M-109 (3)
- 22 Introduction to Literature, 9:00-9:50, MTWThF, M-103 (5) Rosenthal
- 27 Advanced Writing, 2:00-3:20, TTh, M-103 (3) Friar
- 28 Advanced Writing, 1:00-1:50, MWF, M-309 (3) Sturgeon
- 39 Twentieth Century Literature, 10:00-11:20, TTh, M-103 (3) Friar
- 53 World Literature, 2:00-2:50, MWF, M-103 (3) Tezla
- 58 Shakespeare, 10:00-10:50, MWF, M-103, (3) Rosenthal
- 60 European Novels of the Nineteenth and Twentieth Centuries, 1:00-1:50, MWF, M-103, (3) Frogner
- 64 Romantic Prose and Poetry, 10:00-10:50, MWF M-109 (3) Tezla
- 74 American Literature 11:00-11:50, MWF M-103, (3) Glick
- 79 American Drama, 10:00-11:20, TTh M-109 (3) Glick
- 84 Modern Drama, 2:00-2:50, MWF, M-109 (3) Sturgeon

Fine Arts - 207

- 2 Survey of the Arts
 - 1, 10:00-10:50, MWF, T-33 (2) Miller
 - 2, 11:00-11:50, MWF, T-33 (2) Miller

Journalism - 202

- 14 Newspaper Reporting, 12:00-12:50, MWF, M-107 (3) C. Anderson

MODERN LANGUAGES - 203

- Fr. 2 Beginning French, 10:00-10:50, MTWThF, M-111 (5) Nylander
- Fr. 5 Intermediate French, 3:00-3:50, MWF, M-111 (3) Salz
- Fr. 54 Composition and Conversation, 9:00-9:50, MWF, M-111 (3) Salz
- Ger. 2 Beginning German, 12:00-12:50, MTWThF, M-111 (5) Salz
- Ger. 5 Intermediate German, 8:00-8:50, MWF, M-111 (3) Nylander
- Ger. 71 Survey of German Literature, 1:00-1:50, MWF, Arr., (3) Nylander
- Span. 2 Beginning Spanish, 10:00-10:50, MTWThF, M-115, (5) Salz
- Span. 5 Intermediate Spanish, 1:00-1:50, MWF, M-111, (3) Salz

MUSIC - 204

- 2 Basic Music Theory, 1:00-1:50, MWF, Tweed Annex, (3) van Appledorn
- 5 Eye, Ear and Keyboard Training, 1:00-1:50, TTh, Tweed Annex (1) van Appledorn
- 8 Advanced Music Theory, 8:00-8:50, MWF, Tweed Annex (3) van Appledorn
- 10 Introduction to Music Theory, 9:00-9:50, TTh, Tweed Annex (2) van Appledorn
- 11 Elementary Voice, Arr., (½) Downs, Johnson
- 12B Applied Vocal Techniques, 10:00-10:50, TTh, 0-31 (1) Downs
- 13 Elementary Piano, Arr., (½) Edson, Hess, Alspach, van Appledorn
- 14B Class Piano, 2:00-2:50, TTh, 0-12 (1) van Appledorn
- 15 Elementary Strings, Arr., (½) Smith, Swartley
- 16B Applied String Techniques, 2:00-2:50, TTh, OB-1 (1) Smith
- 17 Elementary Woodwinds, Arr., (½) Beverly
- 18B Applied Woodwind Techniques, 2:00-2:50, TTh, Tweed Annex (1) Beverly
- 19 Elementary Brass, Arr., (½) Magnell
- 20B Applied Brass Techniques, 2:00-2:50, TTh, 0-24 (1) Magnell
- 21 Introduction to Music Tweed Annex (3) Hess
 - 1, 9:00-9:50, MWF, Tweed Annex (3) Hess T-33 (3) Edson
 - 2, 2:00-2:50, MWF, T-33 (3) Edson

- 22 Music Since 1750, 10:00-10:50, MWF, Tweed Annex (3) Hess
 30 Intermediate Voice, Arr., (1), Downs, Johnson
 31 Intermediate Piano, Arr., (1) Alspach, Edson, Hess, van Appledorn
 32 Intermediate Strings, Arr., 0-23 (1) Smith, Swartley
 33 Intermediate Woodwinds, Arr., 0-25 (1) Beverley
 34 Intermediate Brass, Arr., 0-24 (1) Magnell
 41 Orchestra, 7:00-9:00, M eve., Tweed Annex; 3:00-4:30 W, Tweed Annex (½)
 Alspach, Smith
 42 Band, 3:00-4:30, TTh, Tweed Annex (½) Magnell
 43 Chorus, 12:00-12:50, MWF, Tweed Annex (½) Downs
 46 String Chamber Music, Arr., 0-23 (½) Smith
 47 Wind Chamber Music, Arr., 0-25 (½) Beverley
 48 Brass Chamber Music, Arr., 0-24 (½) Magnell
 49 Vocal Chamber Music, Arr., 0-31 (½) Downs
 50 Advanced Voice, Arr., (1-2) Downs, Johnson
 51 Advanced Piano, Arr., (1-2) Alspach, Edson, Hess, van Appledorn
 52 Advanced Strings, Arr., (1-2) Smith, Swartley
 53 Advanced Woodwinds, Arr., 0-25 (1-2) Beverley
 54 Advanced Brass, Arr., 0-24 (1-2) Magnell
 55 Advanced Orchestra, 7:00-9:00 p.m. M, Tweed Annex (½) Alspach,
 Smith; 3:00-4:30, W
 56 Advanced Band, 3:00-4:30, TTh, Tweed Annex (½) Magnell
 57 Advanced Chorus, 12:00-12:50, MWF, Tweed Annex (½) Downs
 62 Music in the Secondary School, 8:00-8:50 MWF, 0-24 (3) Magnell
 65 History of Music, 11:00-11:50, MWF, Tweed Annex (3) Edson
 71 Elementary Conducting, 2:00-2:50, MWF, Tweed Annex (2) Downs
 75 Senior Seminar: Factors of Musicianship, 10:00-10:50, TTh, Tweed Annex
 (2) Smith
 85 Recital, Arr., (½) Staff

PHILOSOPHY - 205

- 2A Logic
 --1, 9:00-9:50, MWF, M-308 (3) Ehlers
 --2, 1:00-1:50, MWF, M-308 (3) Ehlers
 55 Philosophy of Science, 10:00-10:50, MWF, M-308 (3) Ehlers
 59 Esthetics, 11:00-12:20, TTh, M-308 (3) Ehlers

SPEECH - 206

- 1 Fundamentals of Speech, 12:00-12:50, MWF, M-216 (3) Pierce
 2 Fundamentals of Speech
 --1, 9:00-9:50, MWF, M-216 (3) Hicks
 --2, 10:00-10:50, MWF, M-216 (3) Hicks
 --3, 9:30-11:00, TTh, M-216 (3) Hayes
 3 Fundamentals of Speech, 11:00-11:50, MWF, M-216 (3) Hicks
 34 Stagecraft, 1:00-2:30, TTh, M-216 (3) Hayes
 53 Persuasion, 2:00-2:50, MWF, M-216 (3) Hicks
 78 Advanced Acting, 1:00-1:50, MWF, M-216 (3) Hayes
 84 Voice Science, 11:00-11:50, MWF, M-111 (3) Pierce
 86 Correction of Speech Disorders, 8:00-8:50, MWF, M-216 (3) Pierce
 91 Clinical Practice in Speech Correction, 3:00-3:50, MWF, L-204 (1-5) Pierce

III DIVISION OF SCIENCE AND MATHEMATICS

Biology - 302

- Bact. 1M Elements of Bacteriology
 Lect., 12:30-1:20, TTh, S-200 (4) Heino
 --1, Lab., 10:30-12:20, MW, S-221, Heino
 --2, Lab., 1:30-3:20, MW, S-221, Heino
 --3, Lab., 2:30-4:20, TTh, S-221, Heino
 Bot. 2 General Botany
 Lect., 9:30-10:20, TTh, S-236, (3) Lakela
 --1, Lab., 8:30-10:20, MW, S-207, Lakela
 --2, Lab., 1:30-3:20, TTh, S-207, Fenwick

- Bot. 54 Survey of the Plant Kingdom
Lecture., 1:30-2:20, MW, S-212 (5) Lakela
Lab., 2:30-4:20, MW, S-212, Lakela
- Nat. Sci. 7 General Biology
--1, 8:30-9:20, MTWThF, S-235 (3) Fenwick
--2, 9:30-10:20, MTWThF, S-235, Fenwick
- Nat. Sci. 8 General Biology, 12:30-1:20, MTWThF, S-235 (3) Keith
- Nat. Sci. 10 Conservation of Natural Resources, 10:30-11:20, MWF, S-236 (3) Dasmann
- Zool. 2 General Zoology
Lect., 11:30-12:20, MW, S-235 (3) Hofslund
--1, Lab., 1:30-3:20, MW, S-217, Hofslund
--2, Lab., 3:30-5:20, MW, S-217, Chiang
--3, Lab., 8:30-10:20, TTh, S-217, Chiang
--4, Lab., 1:30-3:20, TTh, S-217, Dasmann
- Zool. 4M Human Physiology
Lect., 9:30-10:30, TTh, S-200 (4) Odlaug
--1, Lab., 10:30-12:20, MW, S-228, Clark
--2, Lab., 1:30-3:20, MW, S-228, Clark
--3, Lab., 3:30-5:20, MW, S-228, Odlaug
--4, Lab., 1:30-3:20, TTh, S-228, Odlaug
- Zool. 55 Vertebrate Embryology
--Lect., 1:30-2:20, MWF, S-236 (5) Keith
--Lab., 2:30-4:20, MWF, S-211, Keith
- Zool. 57 Ornithology
Lect., 8:30-9:20, TTh, S-211 (3) Hofslund
Lab., 9:30-11:20, TTh, S-211, Hofslund
- Zool. 61 Microtechnique, 8:30-10:20, MWF, S-221, (3) Chiang
- Zool. 81 Invertebrate Zoology, 8:30-10:20, MWF, S-217 (3) Dasmann

CHEMISTRY - 303

- Anal. Chem. 1 Quantitative Analysis
Lect., 11:30-12:20, MWF, S-330 (5) Moore
Lab., 1:30-5:20, TTh, S-316
- Nat. Sci. 5 The Physical World, 12:30-1:20, MTWThF, S-130 (3) Fayle
- Inorg. Chem. 7 General Inorganic
Lect.--1, 8:30-9:20, MTWTh, S-130 (5) Thurston
Lect.--2, 1:30-2:20, MTWTh, S-130 (5) Cothran
--1, Lab., 9:30-12:20, MW, S-301, Staff
--2, Lab., 2:30-5:20, MW, S-301, Staff
--3, Lab., 9:30-12:20, TTh, S-301, Staff
--4, Lab., 2:30-5:20, TTh, S-301, Staff
*Lab. Prep., 9:30-10:20, MTWTh, S-236
*Lab. Prep., 2:30-3:20, MTWTh, S-235
- Inorg. Chem. 55 Advanced Inorganic, 10:30-11:20, MWF, S-402 (3) Kupka
- Org. Chem. 89 Organic Chemistry
Lect., 12:30-1:20, MTWTh, S-402 (5) Passer
Lab., 1:30-5:20, MW, S-312, Wilson
*Lab. Rec., 1:30-5:20, MW, S-402, Wilson
- Org. Chem. 92 Organic Chemistry
Lect., 1:30-2:20, MTWTh, S-235 (5) Passer
Lab., 2:30-5:50, TTh, S-312, Passer
*Lab. Rec., 1:30-2:20, TTh, S-236, Passer (one hr. per week by Arr.)
- Org. Chem. 94 Characterization of Organic Compounds
Lect., Arr., (3) Passer, 1 hr.
Lab., 8 hr. by Arr.,
- Phys. Chem. 91 Elementary Physical Chemistry
Lect., 11:30-12:20, MW, S-320 (3) Kupka
Lab., 2:30-5:20, TTh, S-320, Kupka
- Phys. Chem. 93 Physical Chemistry
Lect., 9:30-10:20, MTWTh, S-320 (5) Wilson
Lab., 2:30-5:20, TTh, S-320, Kupka
- Physio. Chem. 52 Elementary Physiological Chemistry, 1 hr. by Arr., (3) Fayle
Lab., 8 hrs. by Arr., Fayle

*Above Lab. Preps. are the first hour of any scheduled laboratory period.

ENGINEERING - 304

- Draw. 5 Engineering Drawing
 --1, 10:30-1:20, MW, S-328 (3) Jackson (2 hrs. on Fri. to be arr.)
 --2, 10:30-1:20, TTh, S-328 (3) Jackson (2 hrs. on Fri. to be arr.)
G.E. 70 Slide Rule, 8:30-9:20, T, S-401 (1) Jackson
E.E. 13 Elements of Electrical Engineering, 11:30-12:20, TTh, S-402 (3)
 1:30-2:20, F, S-130, Bakamjian
E.E. 14 Elements of Electrical Engineering
 Lab., 3:30-5:20, W, S-127 (1) Bakamjian

GEOLOGY - 402

- Geol. 1 General Physical Geology, 12:30-1:20, MWF, S-108 (3) Heller
Geol. A General Physical Geology - Laboratory
 --1, 8:30-10:20, TTh, S-110 (2) Heller
 --2, 12:30-2:20, TTh, S-110 (2) Heller
Geol. 24 Mineralogy
 Lect., 3:30-4:20, MWF, S-108 (5) Heller
 Lab., 3:30-5:20, TTh, S-110, Heller
 Rec., 4:30-5:20, W, S-110, Heller

MATHEMATICS - 305

- A Basic Mathematics
 --1, 8:30-9:20, MWF, S-401 (3) Jackson
 --2, 2:30-3:20, MWF, S-403 (3) Elwell
1 Higher Algebra, 11:30-12:20, MTWThF, S-403 (5) Elwell
6 Trigonometry, 9:30-10:20, MTWThF, S-403 (5) Hafstrom
7 College Algebra
 --1, 8:30-9:20, MTWThF, S-403 (5) Hafstrom
 --2, 11:30-12:20, MTWThF, S-401 (5) McEwen
 --3, 1:30-2:20, MTWThF, S-403 (5) Elwell
50 Calculus I, 12:30-1:20, MTWThF, S-403 (5) Hafstrom
51 Calculus II
 --1, 9:30-10:20, MTWThF, S-401 (5) McEwen
 --2, 12:30-1:20, MTWThF, S-401 (5) Lindquist
62 Introduction to the Theory of Equations I, 10:30-11:20, MWF, S-401
 (3) McEwen
98 Calculus V, Advanced Calculus, 3:30-4:45, TTh, S-401 (3) Lindquist
Astronomy 1, Elementary Astronomy, 1:30-2:20, MWF, S-401 (3) Lindquist

PHYSICS - 306

- Phy. 2A Introduction to the Physical Sciences
 Lect., 11:30-12:20, MWF, S-130 (4) Vivian
 Lab., 1:30-3:20, M, S-111, Vivian
Phy. 5 General Physics
 Lect., 10:30-11:20, MTWThF, S-130 (5) Weinberg
 --1, Lab., 8:30-10:20, T, S-111, Vivian
 --2, Lab., 1:30-3:20, T, S-111, Vivian
 --3, Lab., 3:30-5:20, T, S-111, Vivian
 --4, Lab., 1:30-3:20, W, S-111, Vivian
Phy. 8 General Physics
 Lect., 10:30-11:20, MTWThF, S-130 (5) Weinberg
 --1, Lab., 8:30-10:20, T, S-111, Vivian
 --2, Lab., 1:30-3:20, T, S-111, Vivian
 --3, Lab., 3:30-5:20, T, S-111, Vivian
 --4, Lab., 1:30-3:20, W, S-111, Vivian
Phy. 12 General Physics
 Lect., 9:30-10:20, MTWThF, S-130 (5) Hanson
 --1, Lab., 11:30-1:20, M, S-111, Staff
 --2, Lab., 10:30-12:20, T, S-111, Staff
 --3, Lab., 11:30-1:20, W, S-111, Staff
 --4, Lab., 10:30-12:20, Th, S-111, Staff

- Phy. 59 Modern Physics, 11:30-12:20, MWF, S-402 (3) Bakamjian
 Phy. 69 Electricity and Magnetism
 Lect., 12:30-1:20, MWF, S-330 (5) Weinberg
 Lab., 1:30-5:20, W, S-124

IV DIVISION OF SOCIAL STUDIES Business and Economics - 401

- 2D Principles of Economics
 --1, 8:00-8:50, MTWThF, M-303 (5) Roulston
 --2, 9:00-9:50, MTWThF, M-303 (5) Sielaff
 --3, 10:00-10:50, MTWThF, M-303 (5) Friest
 --4, 12:00-12:50, MTWThF, M-303 (5) Roulston
 --5, 1:00-1:50, MTWThF, M-303 (5) Friest
- 11D Typewriting
 --1, 8:00-8:50, TTh, M-301 (1) Grovom
 --2, 10:00-10:50, MW, M-301 (1) Grovom
 --3, 10:00-10:50, TTh, M-301 (1) Grovom
- 12D Typewriting
 --1, 9:00-9:50, TTh, M-301 (1) Grovom
 --2, 1:00-1:50, TTh, M-301 (1) Grovom
- 15D Elementary Shorthand, 9:00-9:50, MWF, M-301 (3) Grovom
- 18D Advanced Shorthand and Secretarial Procedures, 8:00-8:50, MWF,
 M-301 (3) Grovom
- 32D Principles of Accounting
 --1, 8:00-8:50, MTWTh, M-302 (3) Dettman
 --2, 11:00-11:50, MTWTh, M-302, (3) Dettman
 --3, 12:00-12:50, 4 days arr., M-207 (3) Friest
 --4, 1:00-2:50, MW, M-302 (3) Dettman
- 42D Elements of Statistics
 --1, 9:00-9:50, TTh, M-302 (2) Meyers
 --2, 10:00-10:50, TTh, M-302 (2) Meyers
 --3, 11:00-11:50, T, M-303; F, M-302 (2) Roulston
 --4, 12:00-12:50, WF, M-302 (2) Meyers
- 52D Business Law
 --1, 8:00-8:50, MWF, M-307 (3) Clure
 --2, 8:00-9:15, TTh, M-307 (3) Van Evera
- 56D Advertising, 11:00-11:50, MWF (3) Sielaff
- 67D Government Regulation of Business, 8:00-8:50, MWF, M-305
 (3) Courtney
- 72D Intermediate Accounting, 12:00-12:50, MTTh, M-302 (3) Dettman
- 82D Social and Collective Bargaining Legislation, 10:00-10:50, MWF,
 M-302 (3) Davidson
- 86D Public Finance, 9:00-9:50, MWF, M-302 (3) Meyers
- 92D History of Economic Thought, 1:30-2:50, TTh, M-302 (3) Meyers

GEOGRAPHY - 402

- 12 Principles of Geography,
 --1, 10:00-10:50, MTWThF, M-100 (5) Witzig
 --2, 1:00-1:50, MTWThF, M-100 (5) Witzig
- 20 Weather and Climate, 8:00-8:50, M-100 (3) Chamberlin, MWF
- 41 Geography of Commercial Production, 9:00-9:50, MTWThF,
 M-100 (5) Chamberlin
- 70 Introduction to Cartography, 2:00-4:30, TTh, M-100 (3) Witzig
- 90 Special Problems, Arr., (1-3) Chamberlin
- 107 *Geography of the Soviet Union, 11:00-11:50, MWF, M-100 (3) Chamberlin

**This course may be taken for graduate credit.*

HISTORY - 403

- 2D History of Western Civilization, 9:00-9:50, MWF, M-307 (3) Maclear
5 English History, 2:00-2:50, MWF, M-305 (3) Maclear
21 American History (Sectionalism and National Development)
-1, 11:00-11:50, MWF, M-307 (3) Lindquist
-2, 10:00-10:50, MWF, M-307 (3) Livingston
22 American History, (Modern America), 9:30-10:45, TTh, M-307 (3) Livingston
59D The Age of Reaction and Revolution, 9:30-10:45, TTh, M-305 (3) Maclear
65D Twentieth Century Europe, 11:00-11:50, MWF, M-305 (3) Maclear
68D American History in 20th Century, 10:00-10:50, MWF, M-305 (3) Lindquist
71 English Constitutional History, 8:00-9:15, TTh, M-305 (3) Livingston
92D The Far West, 9:00-9:50, MWF, M-305 (3) Lindquist
94 American Diplomatic History, 1:00-1:50, MWF, M-305 (3) Livingston
98D Minnesota and the Northwest, 9:00-11:50, S, M-305 (3) Lindquist
186D* Minnesota and the Northwest, 9:00-11:50, S, M-305 (3) Lindquist

**This course may be taken for graduate credit.*

POLITICAL SCIENCE - 404

- 22 American Government and Politics: National and State
-1, 8:00-8:50, MWF, M-209 (3) Wolff
-2, 8:00-9:15, TTh, M-209 (3) Wolff
-3, 1:00-1:50, MWF, M-209 (3) Wolff
-4, 10:00-11:15, TTh, M-209 (3) Davidson
B The State in Modern World II, 10:00-10:50, MWF, M-209 (3) Wolff
53 American Constitutional Law II, 9:00-9:50, MWF, M-115 (3) Davidson
62 Public Administration II, 12:00-12:50, MWF, M-209 (3) Davidson
71 Development of Political Thought: The Middle Ages, 11:00-11:50, MWF,
M-209 (3) von Glahn
82 International Law II, 1:00-1:50, MWF, M-115 (3) von Glahn
84 International Organization, 9:00-9:50, MWF, M-209 (3) von Glahn
85 Problems of World Politics, 8:00-8:50, MWF, M-115 (3) von Glahn
99 Honors Course, Arr., (1-3) Staff

SOCIOLOGY - 405

- 1 Introduction to Sociology
-- (Nurses only) 8:00-8:50, MTWThF, M-207 (5) Pearson
-2, 10:00-10:50, MTWThF, M-207 (5) Kroeger
2 Intermediate Sociology, 9:00-9:50, MTWThF, M-207 (5) Pearson
49 Social Problems, 2:00-2:50, MWF, M-207 (3) Kroeger
60 Population Trends, 11:00-11:50, MWF, M-207 (3) Kroeger
82 Rural Community Organization, 1:00-1:50, MWF, M-207 (3) Pearson

V DEPARTMENT OF AIR SCIENCE AND TACTICS

Air Force R.O.T.C.

- Air Sci. I 32W, Fundamentals of Global Geography and International Tensions
-1, 8:30-9:20, MW, ROTC (1) Rhodes
-2, 2:30-3:20, MW, ROTC (1) Rhodes
-3, 8:30-9:20, TTh, ROTC (1) Rhodes
All Sections Leadership Lab., 2:30-3:20, T, Gym, Staff
Air Sci. II 35W, Elements of Aerial Warfare,
-1 11:30-12:20, MW, ROTC (1) Christy
-2, 9:30-10:20, TTh, ROTC, (1) Christy
All Sections Leadership Lab., 2:30-3:20, T, Gym (1) Staff
Air Sci. III 132W Military Justice
-1, 10:30-11:20, MWThF, ROTC (3) McDonnell
-2, 3:30-4:20, MWThF, ROTC (3) McDonnell
All Sections Leadership Lab., 2:30-3:20, T, Gym, Staff
Air Sci. IV 135W Military Justice
-1, 10:30-11:20, MWThF, ROTC (3) McDonnell
-2, 3:30-4:20, MWThF, ROTC (3) McDonnell
All Sections Leadership Lab., 2:30-3:20, T, Gym, Staff

Air Science III and IV are combined for 1953-1954 only.

**GENERAL EDUCATION
1952-1954**

A minimum of 60 hours of credit is required in the general education courses.

EDUCATION AND PSYCHOLOGY

A minimum of 13 cr. must be earned from the following courses.

Health Ed. 3 2 cr. _____
Phy. Ed. MW1, 2 _____

_____ 4 cr. _____

*Electives _____

_____ 7 cr. _____

*Not more than 4 of these credits may be in Phy. Ed.

HUMANITIES

A minimum of 18 cr. must be earned from the following courses

English 4, 5, 6* 9 cr. _____

Art or Music 3 cr. _____

Elective (Not more than 3 cr. in English) _____

_____ 6 cr. _____

*Any student receiving an "A" in English 4 or 5 is permitted to substitute other general education courses in the division not to exceed a total of 9 cr.

SCIENCE AND MATHEMATICS

A minimum of 13 cr. must be earned from the following courses.

Plan "A"
Nat. Sci. 4-5-6 or 7-8-9 10 cr. _____

and
Math. A., or 1, or 6, or 7, or 8, or 15 3-5 cr. _____

(For students who do not require special knowledge of any science.)

Plan "B"
Bot. 1-2-3, or Zool. 1-2-3, or Inorg. Chem. 6-7 or Physics 4-5, or Physics 7-8, or Geol. 1-A-2-B 10 cr. _____

and
Math. 1 or 6 or 7 or 8 or 15 5 cr.
(Students who major or minor in the division must take this plan)

Plan "C"
Bot. 1-2-3 plus 3 elect. cr. in Botany or Zool. 1-2-3 plus 3 elect. cr. in Zoology or 13 cr. _____

Inorg. Chem. 6-7-12 or Geol. 1-A-2-B and Geog. 20 or Math. 1-6-7, or 6-7-30 or 1-8-20, or 15-16-20, or 1-15-16 13-15 cr. _____

(A student may choose this plan if he wishes an intensive elementary course in one field.)

The Student must look in the bulletin for prerequisites and courses which may be used to fulfill the general education elective requirements.

SOCIAL STUDIES

A minimum of 16 cr. must be earned from the following courses.

B & E 1D or 2D or 3D 5 cr. _____

Geog. 12 5 cr. _____

Hist. 1D, 2D or two qtrs. of Hist. 20, 21, 22 6 cr. _____

Pol. Sci. 1-2 6 cr. _____

Soc. 1 or Soc. 40 5 cr. _____

