



**THE
INTERIM
TERM
COURSES**

JANUARY 1968

**MACALESTER COLLEGE
SAINT PAUL, MINNESOTA**

INTRODUCTION

Macalester's Interim Term seeks to provide an organizational framework within which the three principal elements in the educational process — learner, teacher, and resources — can come into a fresh relationship in a freer academic atmosphere that is conducive to innovation and experimentation.

Four basic types of experience are available. These consist of group courses, and individual projects, both of which may be carried out in either an on-campus or off-campus setting. Only one course or individual project is undertaken during the Interim Term, thus emphasizing in-depth concentration on a single experience. The Satisfactory-Unsatisfactory grading system encourages students to engage in a program for which they may not have extensive related background.

Macalester cooperates with Gustavus Adolphus College, St. Olaf College, and Luther College in various interim courses abroad, descriptions of which appear in this brochure. In addition, a limited number of students may enroll in courses offered on the campuses of the other three colleges.

The Interim Term begins Wednesday, January 3, 1968, and ends Wednesday, January 31, 1968, except for the courses abroad, which begin December 28 with the plane departure from Chicago.

THE INTERIM TERM CURRICULUM

ART

31 Drawing the Image

Instructor: William Saltzman

Description: Variety of studio practice, critiques, discussions, demonstrations, lectures, and field trips.

Enrollment: 20

Prerequisite: Consent of instructor by Nov. 17

Cost: About \$10 for materials

Time & Room: 9:00-12:00 MTWF; 1:00-4:00 MTWF
A123

45 Freshman-Sophomore Individual Project

(individual arrangements to be made with department)

48 History of Art (Abroad)

Instructor: Donald Celender

Description: Beginning with a view and study of early Italian art, this course will be a study tour following the historical and chronological development of Western art. Visits to art museums, archeological ruins and examples of various architectural styles will most probably be made in Rome, Florence, Fiesole, Assisi, Ravenna, Venice, Milan, Genoa, Pisa, the Italian and French Riviera, Nice, Paris, Chartres, Versailles, Roven, Amiens, and Amsterdam.

Enrollment: 21 (Enrollment closed)

Prerequisite: History of Art course recommended

Cost: \$670

69 Guadalupe Project (See Soc 69)

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

BIOLOGY

25 Biological Instrumentation

Instructor: Eddie P. Hill
Description: The theory and application of some instruments used in biological teaching and research.
Enrollment: 10
Prerequisite: Consent of instructor
Cost:
Time & Room: 10:00-12:00 MW S27 and
1:15-4:00 TTh S22

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with department)

55 Winter Field Ecology

Instructor: James A. Jones
Description: The opportunity to study animals in winter under actual field conditions. Students will estimate populations, measure factors of the environment, and correlate observed animal behavior with these factors.
Enrollment: 20
Prerequisite: None
Cost: About \$35
Time & Room: 9:00-12:00 MF S40 (Field trips arranged)

75 Marine Biology (Florida)

Instructor: James R. Smail
Description: An intensive introduction to marine science with emphasis on its biological aspects. Lectures, laboratories, field trips, readings. Offered in cooperation with Florida State University.
Enrollment: 15
Prerequisite: Upperclassmen will be given priority according to interest, background, future plans.
Cost: Approximately \$250

95 Junior-Senior Individual Project
(Individual arrangements to be made with department)

CHEMISTRY

02 Introductory Alchemy or

"How to Make Gold for Fun and Profit"

Instructor: Truman Schwartz
Description: The strange enterprise of alchemy

will be examined in its cultural context, with emphasis upon its philosophical, theological, mystical, psychological, technological, and scientific content. Readings from Aristotle, Chaucer, Jung, and various historians of science; an occasional laboratory session on elementary goldmaking or the synthesis of the philosopher's stone.

Enrollment: 15
Prerequisite: None
Cost: Approximately \$4 for books with the chance to make millions
Time & Room: 10:00-11:30 MTWThF OH301

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with Department)

50 Organic Structure Determination by Spectral Methods

Instructor: Fred B. Stocker
Description: A study will be made of infrared, ultraviolet, mass, and nuclear magnetic resonance spectra and their application in the determination of the structures of organic molecules.
Enrollment: 12
Prerequisite: Consent of instructor
Cost:
Time & Room: 9:00-10:00 MTWThF OH301

52 Instrumental Methods of Analysis

Instructor: Wayne Wolsey
Description: A study of the use and role of instrumentation in chemical analysis. The major principles of instrumentation will be discussed and laboratory investigations by means of instruments will be carried out.
Enrollment: 10
Prerequisite: Chemistry 23 and/or Chemistry 55
Cost:
Time & Room: 10:00-11:00 MTWF OH329

54 Computer Programming for Physical Scientists

Instructors: John H. Scott and Emil J. Slowinski
Description: An Introduction to the programming and operation of the Macalester IBM 1130 computer. Primary emphasis will be given to the writing of Fortran programs for use in solving problems in physics

and chemistry.

Enrollment: 20 (Science majors with upperclassmen given first preference)
Prerequisite: Math 21
Cost: Text only
Time & Room: 10:00-11:30 MTWThF OH300

95 Junior-Senior Individual Project
(Individual arrangements to be made with department)

CLASSICS

20 Hellenistic Civilization

Instructors: Edward Brooks and Hermann Weber
Description: Extensive reading, analysis, and discussion relating to the history, literature, art, science, religion, and social life of the Greeks from the end of the Classical Age to the beginning of the Byzantine Age (i.e. from the IV century to the V century A.D.)
Enrollment: No limit (Room capacity = 40)
Prerequisite: None
Cost: \$10
Time & Room: 9:00-11:00 MTWThF H208

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with department)

95 Junior-Senior Individual Project
(Individual arrangements to be made with department)

ECONOMICS

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with department)

47 Computer Programming for Social Sciences

Instructor: Paul Aslanian
Description: An introduction to programming and operation of the IBM 1130 computer. Emphasis will be on the writing of Fortran programs for use in solving problems in the social sciences.
Enrollment: 20
Prerequisite: Economics majors will be given first consideration. Arrangements to be made by Nov. 22.
Cost: Text
Time & Room: To be arranged.

48 European Economic Institutions (Abroad)

Instructor: Ellery Peterson, Gustavus Adolphus College
Description: On-the-scene confrontation with and analysis of significant foreign personalities, events, and institutions. The group will visit Paris, London, and Bonn, with possible additions to be made as European priorities become evident later in the year.
Enrollment: 19 (Enrollment closed)
Prerequisite: Course in European history or economics or approval of Economics Department Chairman
Cost: \$635

49 Social, Political and Economic Aspects of Modernization

Instructors: John Turner, Paul Berry, James Weekly
Description: An interdisciplinary study of conditions in the underdeveloped countries, and of the interaction of economic, political, and social problems and changes in the development or modernization of those countries.
Enrollment: 20 (Registration with Mr. Berry or Mr. Weekly by November 22)
Prerequisite: Preferences given to sophomores or above, with previous work in political science, sociology, or economics.
Cost:
Time & Room: 9:00-11:00 TWThF M207

60 Contemporary Economic Issues

Instructor: Leland C. Lehman
Description: Survey of selected contemporary economic issues, including disarmament, farm surpluses, poverty, and the U.S. gold drain.
Enrollment: 25
Prerequisite: Juniors and seniors
Cost:
Time & Room: 8:30-10:00 TWThF H107

70 Principles and Practices of Life Insurance

Instructor: J.S. Hill
Description: Survey of the principles and practices of life insurance. Attention will be given to the principles of risk, basic life and health insurance contracts and plans, the role of life insurance companies

as financial intermediaries, and their impact upon money and capital markets, with consideration given to optimal portfolio selection.

Enrollment: 20
Prerequisite: First preference to junior and senior students

Cost:
Time & Room: 9:00-12:00 TTh H109

95 Junior-Senior Individual Project
(Individual arrangements to be made with department)

EDUCATION

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with department)

49 The Inner City Child
Instructor: Michael Obsatz, assisted by Dr. Ekman and Dr. Faix

Description: Experience in an inner-city elementary school as a teacher-aid, correlated with study and interpretation of the life of the inner city child. Field experience and campus seminar will focus on the factors in cultural deprivation.

Enrollment: 15
Prerequisite: Freshman and sophomores given priority with application and interview required.
Cost: \$10 transportation plus 2 texts
Time & Room: 10:00-12:00 TTh Arranged

64 Student Teaching (Secondary)
Instructor: Education Staff
Description: Student teaching in the public schools at the secondary level. Observation as well as actual student teaching.
Enrollment: 8 students per faculty member
Prerequisite: Approval by Teacher Education Committee by November 22
Cost: \$25 (regular student teaching fee)
Time & Room: Off campus

65 Student Teaching (Elementary)
Instructor: Education Staff
Description: Student teaching in the public schools at the elementary level. Observation as well as actual student teaching.

Enrollment: 8 students per faculty member
Prerequisite: Approval by Teacher Education Committee by November 22
Cost: \$25 (regular student teaching fee)
Time & Room: Off campus

66 Student Teaching (Kindergarten)
Instructor: Education Staff
Description: Student teaching in the public schools and a limited number in the Children's Center. Observation as well as actual student teaching.
Enrollment: 8 students per faculty member
Prerequisite: Approval by Teacher Education Committee by November 22
Cost: \$25 (regular student teaching fee)
Time & Room: Off campus

67 Student Teaching (Junior high school)
Instructor: Education Staff
Description: Student teaching in the public schools at the secondary level. Observation as well as actual student teaching.
Enrollment: 8 students per faculty member
Prerequisite: Qualified students will consist of candidates working in the secondary areas and elementary students with special junior high endorsement. Approval by November 22.
Cost: \$25 (regular student teaching fee)
Time & Room: Off campus

95 Junior-Senior Individual Project
(Individual arrangements to be made with department)

ENGLISH

40 Films of Ingmar Bergman
Instructor: John Bernstein
Description: Films of Ingmar Bergman will be viewed to explore the artistic and philosophical achievement of the great Swedish director through both his films and those of his screen scripts translated into English.
Enrollment: 300
Prerequisite: None
Cost: \$15, based on registration of 50; less if more register
Time & Room: 10:00-12:00 TTh; 1:15-3:15 TTh
OH Aud

41 Fiction Since World War II

Instructor: Alvin Greenberg
Description: A focus upon the major writers and trends that have developed in British and American fiction since World War II. Particular emphasis on how these writers have defined the human condition in the post-war period and the fictional techniques which they have applied to the exploration of this condition.
Enrollment: 12
Prerequisite: None
Cost:
Time & Room: 9:00-11:00 MWF H234

42 Elizabethan and Jacobean Drama

Instructor: Giles Gamble
Description: A study of non-Shakespearean comedy and tragedy from Kyd to Ford. The course will combine close scrutiny of individual works (*The Spanish Tragedy*, *The Alchemist*, and *The Knight of the Burning Pestle* are examples) with the investigation of important general topics — Medieval backgrounds, Renaissance influences, Elizabethan dramatic conventions, the Jacobean sensibility, etc. Classes will include discussion, student reports, play readings, and some lectures.
Enrollment: 15
Prerequisite: English 25 or Shakespeare
Cost:
Time & Room: Arranged H234

43 The Civil War: Fiction, History and Politics

(Same as Hist 43 and Pol Sci 43)
Instructors: Duncan Baird, Patricia Kane, Earl Spangler
Description: A study of the Civil War as interpreted by novelists, historians, and political scientists. In addition to becoming acquainted with general topics, each student will write a paper on a specific topic.
Enrollment: 20
Prerequisite: None
Cost:
Time & Room: Arranged H204

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with department)

40 Victorian Novel in England

Instructor: Celestia A. Meister
Description: A course in the 19th century English novel as a literary form and as an expression of the times in which it was written.
Enrollment: No limitation
Prerequisite: None
Cost:
Time & Room: Arranged

50 Extrinsic Approaches to the Reading of Fiction

Instructor: Howard F. Huelster
Description: An attempt to evaluate those approaches to the reading of fiction which are described in Wellek and Warren's *Theory of Literature* as "extrinsic" approaches, comparing and contrasting them with those approaches defined as "intrinsic." The course intends to further assist concentrators in working out their own individualized approach to fiction.
Enrollment: 50
Prerequisite: English majors who are going to teach have first priority, then English majors (core concentrations included)
Cost:
Time & Room: Arranged

69 Quadalupe Project (See Soc 69)

45 Junior-Senior Individual Project
(Individual arrangements to be made with department)

FRENCH

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with department)

54 Selected Twentieth Century French Drama Study

Instructor: Barbara Young
Description: A study of selected Twentieth Century French Drama by theme, taking into account the social, political, and philosophical currents of their respective eras. Reading and discussion in French or English, according to language preparation.
Enrollment: 20
Prerequisite: Consent of instructor
Cost: \$12 for textbooks
Time & Room: 10:00-12:00 MTWF H128

55 Paris Viewed Through the Ages

Instructor: Philip A. Lee
Description: An investigation of how Paris has been presented by major French authors from Villon to the present time. Class discussions will be in French; reports will be required; and at least one major work will be read in its entirety.
Enrollment: 20
Prerequisite: French 31, 32, or consent of the instructor

Cost:
Time & Room: 10:00-12:00 MTWTh H108

74 French (Abroad)

Instructors: Helene N. Peters and Julie Broberg (Luther)
Description: Study in Paris to provide students with the opportunity to broaden and deepen their knowledge of French in the areas of audio-lingual skills, literature through drama, culture and civilization. This is achieved through attendance at French theater, visits to monuments, art galleries, etc., in and around Paris (Versailles, Chartres, Fontainebleau). French lectures and resource people will address the group. The group will be divided into two sections according to language ability.
Enrollment: 29 (Enrollment closed)
Prerequisite: Elementary Section — Intermediate French and/or approval of French Department Chairman. Advanced Section — Minimum of one course in Advanced Conversation or French Literature, and/or approval of Department Chairman.
Cost: \$540

95 Junior-Senior Individual Project
 (Individual arrangements to be made with department)

GEOGRAPHY**25 Who Discovered America**

Instructor: Matti Kaups
Description: Study of Viking explorations and their westward expansion in the North Atlantic basin. Critical analysis of controversies regarding discovery of America. There is an excursion to Alexandria, Minnesota, and a visit to the Bell Collection at the University

of Minnesota.
Enrollment: 65
Prerequisite: None
Cost: About \$10
Time & Room: 9:00-11:00 TTh S37

26 Geographic Aspects of Mission Expansion in Africa

Instructor: Hildegard Johnson
Description: Discussion of precedents in the 15th to 19th centuries. The movement of more than 300 Protestant societies and Catholic orders as affected by the various geographic features and mission locations will be investigated. Studies in depth regarding the significance of specific locations today represent the second part of the course.
Enrollment: 65
Prerequisite: None
Cost: About \$5 for books
Time & Room: 10:30-12:00 MWF S37

45 Freshman-Sophomore Individual Project
 (Individual arrangements to be made with department)

95 Junior-Senior Individual Project
 (Individual arrangements to be made with department)

GEOLOGY

45 Freshman-Sophomore Independent Project
 (Individual arrangements to be made with department)

49 Field Geology of the Southern United States

Instructor: Gerald Webers
Description: Field study and interpretation of major geologic features of south-central and south-western United States. Investigations will concern the origin of landforms, rock types, and structures of plains, plateaus, deserts, and mountainous regions. First week on campus, last three weeks in the field.
Enrollment: 34
Prerequisite: None
Cost: About \$265
Time & Room: 9:00-11:00 MTWThF S7

95 Junior-Senior Individual Project
 (Individual arrangements to be made with department)

GERMAN

45 Freshman-Sophomore Individual Project (Individual arrangements to be made with department)

46 The Scientist and Society in Recent German Dramatic Writing

Instructor: Otto M. Sorensen
Description: After the consideration of some background reading on the relationship of science and society in past ages, we shall discuss, along with current thinking on the problem, the following plays: **Leben des Galilei** by Bertoldt Brecht; **Das kelt Licht**, by Carl Zuckmayer; **Die Physiker**, by Friedrich Duerrenmatt; **In der Sache J. Robert Oppenheimer**, by Heiner Kipphardt. The discussion will revolve about each author's ideological starting point and his aesthetics and how the two are related in the final product.
Enrollment: 20
Prerequisite: 1 year of College German
Cost:
Time & Room: 1:00-4:00 TWThF H105

47 Austria's Contribution to German and World Literature in the Twentieth Century

Instructor: Friedrich Stockmann
Description: Reading and discussion of selected works of Austrian poets and novelists to include Hofmannsthal, Rilke, Trakl, Kafka, Musil, Brode, Werfel, Doderer. Students will be expected to read the works or specific segments in German and to discuss content and form in German, in order to improve their reading and speaking facility.
Enrollment: 15
Prerequisite: German 32 or permission of instructor

Cost:
Time & Room: 10:00-12:00 TWThF H105

48 Rococo and Reason

Instructor: R. Ellis Dye and David B. Sanford
Description: An examination of eighteenth century Germany's two co-existent cultures: the aristocratic Rococo and the bourgeois Enlightenment. Emphasis will be placed on the visual arts and especially representative writings. Both creative and biographical works will be studied.
Enrollment: 20

Prerequisite: Consent of Instructor
Cost: About \$15
Time & Room: 1:30-3:30 MWF H107

95 Junior-Senior Individual Project (Individual arrangements to be made with department)

HISTORY

14 Contemporary American Issues

Instructor: Geoffrey S. Smith
Description: An exploration in depth of such topics as "the future as history," the alienation of the modern intellectual, the shaping of natural, cultural and social values, and the significance of the "new" media.
Enrollment: 15
Prerequisite: Consent of instructor
Cost:
Time & Room: 10:00-11:00 MF M215

15 The Social, Political, and Economic Effects of War: World War I as a Test Case

Instructor: Henry Bair
Description: Investigation of the effects of World War I on European life and politics during the period of the war itself.
Enrollment: 25
Prerequisite: Consent of instructor and some knowledge of the subject area
Cost: About \$5 for books
Time & Room: 2:00-3:00 MWF M202

25 Great Books in History

Instructor: Boyd Shafer
Description: Students read "classic" works of history in ancient, medieval, and modern history, and report on them. Seminar format.
Enrollment: 15
Prerequisite: Conference with the instructor
Cost:
Time & Room: Arranged

27 January, 1868

Instructor: Ernest R. Sandeen
Description: Through reading of books, maga-

zines, and newspapers written or published during the month of January, one hundred years ago (1868), students will gather data with which to construct a portrait of the age.

Enrollment: 15
Prerequisite: Preference given to those having had History 41 and other advanced work
Cost:
Time & Room: 9:00-10:00 MWF H127

43 The Civil War: Fiction, History and Politics

(Same as Eng 43 and Pol Sci 43)

Instructors: Duncan Baird, Patricia Kane, Earl Spangler

Description: A study of the Civil War as interpreted by novelists, historians, and political scientists. In addition to becoming acquainted with general topics, each student will write a paper on a specific topic.

Enrollment: 20
Prerequisite: None
Cost:
Time & Room: Arranged H204

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

50 The Arab-Israeli Conflict

Instructor: Yahya Armajani

Description: A study of the background of the conflict. The Israeli image of the Arabs and the Arab image of Israel, and an appraisal of the case for each side.

Enrollment: 25
Prerequisite: None
Cost:
Time & Room: 9:00-10:00 MW M202

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

95-15 Research and Study in State and Local History

Instructor: Earl Spangler

Description: Research and study in state and local history in conjunction with projects at the Minnesota Historical Society, Ramsey House, Ramsey County Historical Society, and the State Historical Society of

Wisconsin. Methods of research, bibliographical work, and writing of papers, will be prominent features of the course.

Enrollment: 15
Prerequisite: Some background in American history and consent of instructor.
Cost:
Time & Room: Arranged

96-15 Independent Historical Work in Washington, D.C.

Instructor: Boyd Shafer

Description: Experience in historical research, library and archival work in the Library of Congress, the National Archives, and the Smithsonian Institution.

Enrollment: 4
Prerequisite: Upperclass standing and consent of instructor
Cost: About \$200 per student
Time & Room: Off campus

HUMANITIES

95 Junior-Senior Individual Project

(Individual arrangements to be made through Professor William Donovan)

JOURNALISM

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

MATHEMATICS

55 Seminar in Point Set Topology

Instructor: E.J. Camp

Description: Sets, functions, and relations; groups, real numbers; topological spaces, connectedness, separation axioms, separability compactness, metric spaces.

Enrollment: 12

Prerequisite: Open only to candidates for honors in the sophomore and junior classes.

Cost:

Time & Room: 10:00-12:00 MTWThF OH223

56 Computer Programming

Instructor: A.L. Rabenstein

Description: FORTRAN programming and operation of the IBM 1130 computer. Numerical methods suited to a computer.

Enrollment: 12

Prerequisite: Preference given to upperclass students who have need for the computer in their field of study

Cost:

Time & Room: Arranged

69 Guadalupe Project (See Soc 69)

97 Senior Seminar in Mathematics

Instructor: John Schue

Description: The course will be a combination of seminar meetings and directed independent study aimed toward the preparation of a research paper in an area related to the general topic pursued during the fall semester.

Enrollment: Students who have been enrolled in Math 95 during the fall term

Prerequisite: Math 95 during the fall term

Cost:

Time & Room: 10:00-12:00 OH221

MUSIC

11 Music (Abroad)

Instructor: Sigurd Fredrickson, St. Olaf

Description: Five weeks, primarily in Munich, Salzburg, Vienna, and Paris, concentrating on the concert and opera as form of expression. Side trips within Germany are likely.

Enrollment: 20 (Registration closed)

Cost: \$670

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

49 Music Improvisation

Instructor: Alvin King

Description: An ensemble of performers will experiment with performance of various combinations of free and fixed musical elements. The ensemble will compose some elements; others will be selected from printed music and modified by the accretion of improvisation.

Enrollment: 10

Prerequisite: Admission to the course is by audition

Cost:

Time & Room: 10:00-12:00 MTWThF and 2:00-4:00 MTWThF Concert Hall

50 Macalester Concert Choir: Seminar in Choral Literature and Performance

Instructor: Dale Warland

Description: Preparation of a choral program and performance of a concert tour. Two weeks of intensive study and rehearsals in preparation of choral music from significant periods in the history of music. Seminars and individual projects devoted to the life and time of composers, textual and musical analysis, choral techniques, performance practices, style and analysis and interpretation. Ten-day concert tour. Two-day recording session and home concert.

Enrollment: 40

Prerequisite: None

Cost:

Time & Room: Arranged

49 Guadalupe Project (See Soc 69)

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

PHILOSOPHY

30 Philosophy in English Poetry

Instructor: David White

Description: An examination of the philosophical ideas explicit and implicit in English poetry from Chaucer to Rexroth; selected readings for the entire

class, each student to do an analysis of a body of poetry of his own choice; lecture, discussion, and written and oral analyses.

Enrollment: No limitation (Room capacity = 80)

Prerequisite: One course in philosophy

Cost:

Time & Room: 10:00-12:00 MTWThF H239

40 Existentialism

Instructor: Hugo Thompson

Description: A study of Existentialist thinkers, and exploration of some favorite themes, as applied to contemporary questions and movements. The seminar method will be used. Atheist, Christian and Philosophical existentialists will be included.

Enrollment: 30

Prerequisite: Serious interest; some previous reading

Cost:

Time & Room: 10:00-12:00 MTWThF M320

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

PHYSICAL EDUCATION

35 Applied Physiology: An investigation of Energy Expenditure and Body Composition

Instructors: Dale Hanson, Kenneth Metz, David Nielsen

Description: A research seminar to investigate the physiological basis of human energy expenditure and body composition. Major emphases will be directed toward an understanding of the theoretical basis of these concepts. Related literature will be reviewed and an opportunity for experimentation will be provided.

Enrollment: No limitation

Prerequisite: None

Cost:

Time & Room: 9:00-12:00 MTWThF PE Lab

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

67 Seminar in Motor Learning

Instructor: John Bachman

Description: An introduction to motor learning which will include learning theories, implication, and practical application. Information concerning learning methods, variables involved and measuring rate and amount of learning as well as determining needed research in the area will be discussed.

Enrollment: 12

Prerequisite: Open to Juniors and Seniors

Cost:

Time & Room: 10:00-12:00 MWF G207

69 Guadalupe Project (See Soc 69)

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

PHYSICS

09 Science of Musical Sounds

Instructor: R.B. Hastings

Description: A study of the relationship between music and the scientific aspects of sound. Extensive laboratory and lecture demonstration will be featured.

Enrollment: 30

Prerequisite: None

Cost:

Time & Room: 11:00-12:00 MTWTh OH100

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

47 Astronomical Instrumentation and Telescope Making

Instructor: Sherman Schulz

Description: Optical concepts relating to telescopes; construction and operation of a 6" reflector; experience in astronomical photography. Students will make use of the observatory and other facilities in the department as needed.

Enrollment: 15

Prerequisite: Consent of instructor by Nov. 15

Cost: \$30

Time & Room: 8:00-9:00 MTWThF (evenings to be arranged) OH200

49 //JOB, //DUP, //XEQ Seminar (Intermediate Computer)

Instructor: R.C. Mikkelson
Description: Class members will pursue individual computer projects under a seminar format, sharing difficulties and solutions encountered in their work. Emphasis will be placed on obtaining solutions for problems of interest to each individual student.
Enrollment: 15
Prerequisite: Consent of instructor by Nov. 22. Prior programming experience and interest in using the computer for solving actual problems in the student's field of interest.
Cost:
Time & Room: Arranged

50 A Theory of Waves

Instructor: Sung Kyu Kim
Description: The nature of light — its origin, interactions with matter, and practical applications — will be examined. Student-initiated experiments will be performed with emphasis on **imagination**. The wave equation will be set up and solved for various wave phenomena. A study of Fourier analysis will be included.
Enrollment: 8
Prerequisite: Consent of instructor
Cost:
Time & Room: 10:30-12:00 MTWTh OH108

95 Junior-Senior Individual Project
(Individual arrangements to be made with department)

POLITICAL SCIENCE

32 The European Economic Community: Gate or Barrier to an Atlantic Community?

Instructor: R.B. Van Der Borght
Description: The Common Market as a political, economic and historical phenomenon and its relationship to the international system. Emphasis on problems of American businesses operating in the Common Market, based on the instructor's personal experiences. Visits to Twin Cities corporations having affiliations with the Common Market will be included in the course.
Enrollment: 20

Prerequisite: Sophomore standing and consent of Dr. Dorothy Dodge
Cost:
Time & Room: Arranged

43 The Civil War: Fiction, History and Politics
(Same as Eng 43 and Hist 43)

Instructors: Duncan Baird, Patricia Kane, Earl Spangler
Description: A study of the Civil War as interpreted by novelists, historians and political scientists. In addition to becoming acquainted with general topics, each student will write a paper on a specific topic.
Enrollment: 20
Prerequisite: None
Cost:
Time & Room: Arranged H204

45 Freshman-Sophomore Individual Project
(Individual arrangements to be made with department)

48 European Political Institutions (Abroad)

Instructor: Theodore Mitau
Description: On-the-scene confrontation with and analysis of significant foreign personalities, events and institutions. The group will visit Paris, London, and Bonn, with possible additions to be made as European priorities become evident later in the year.
Enrollment: 20 (Enrollment closed)
Prerequisite: Course in European history or politics or approval of Political Science Department Chairman
Cost: \$635

49 Social, Political and Economic Aspects of Modernization (Same as Econ 49 and Soc 49)

Instructors: John Turner, Paul Berry, James Weekly
Description: An interdisciplinary study of conditions in the underdeveloped countries, and of the interaction of economic, political, and social problems and changes in the development or modernization of those countries.
Enrollment: 20 (Registration with Mr. Berry or Mr. Weekly by November 22)
Prerequisite: Preferences given to sophomores or above, with previous work in political science, sociol-

ogy, or economics

Cost:

Time & Room: 9:00-11:00 TWThF M207

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

PSYCHOLOGY

01 The Mental Hospital

Instructor: Raymond Johnson

Description: The study of mental patients in a state hospital setting. The course is a combination of reading and discussion with ward experience. Students live on hospital grounds.

Enrollment: 24

Prerequisite: None

Cost: \$5

Time & Room: Off campus

08 The Mind-Body Problem

Instructor: Gerald Weiss

Description: A detailed examination of the concept of mind and the various positions on the mind-body problem, including its relationship to modern psychology.

Enrollment: No limitation, but consent of instructor is required by November 22. (Room capacity = 40)

Prerequisite: A serious interest in the problem, and the willingness and ability to read difficult philosophical and psychological writings

Cost: About \$20 for text material

Time & Room: Arranged H207

36 Instrumentation in the Behavioral Sciences

Instructor: Charles C. Torrey

Description: A practicum in the principles, design, construction, and operation of apparatus commonly employed in laboratory studies of behavior. All work will be done in the laboratory.

Enrollment: 24

Prerequisite: First choice given to students with a concentration in psychology; second choice to students in biology. (Registration by November 22)

Cost: About \$25

Time & Room: 9:00-11:30 and 1:30-4:00 MTWThF S44

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

51 Productive Thinking in the Learning Process

Instructor: Frank E. Williams

Description: An interdisciplinary study of the psychology of thinking and teaching strategies for developing higher mental processes. Extensive daily reading will be assigned and a research design by each student will be required as a course project. The course will consist of a comprehensive study of productive thinking as it relates to human intellect, problem-solving, and personality.

Enrollment: 25

Prerequisite: Juniors and seniors only (Registration by November 22)

Cost:

Time & Room: 10:00-11:30 TTh M304

69 Guadalupe Project (See Soc 69)

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

RELIGION

40 Evolution, Progress, and God

Instructor: Donald G. Dawe

Description: The impact of the evolutionary or developmental hypothesis as applied to the understanding of nature and history will be studied to discern its meaning in light of the Christian faith. The concerns will be for historical understanding of this question in the nineteenth and twentieth centuries, and for some constructive statement of the question for the contemporary scene, particularly the work of Pierre Teilhard de Chardin. Lectures; discussions based on reading in source material.

Enrollment: 50

Prerequisite: None

Cost: About \$7 for books

Time & Room: 2:00-3:30 MTWThF M304

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

46 Our Secular World and Christian Faith

Instructor: David H. Hopper
Description: An examination of the contemporary theological attempt to evaluate positively the "secular world;" and a study of some of the leading secular alternatives to Christian Faith in our time.
Enrollment: 40
Prerequisite: None
Cost:
Time & Room: 10:00-12:00 MTWThF M206

54 The Hypothetical Gospel of Proto-Luke

Instructor: Lloyd Gaston
Description: It has been suggested by some scholars, but never investigated in detail, that underlying the Gospel of Luke is a much older Gospel of the Jerusalem Church. We shall attempt to reconstruct and interpret this earlier Gospel. By working on the frontier of New Testament research, the student will of necessity have to formulate his own conclusions and in the process will learn the methods of critical study with respect to the Gospels.
Enrollment: 20
Prerequisite: Religion 11
Cost:
Time & Room: Arranged MTWThF M305e

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

RUSSIAN**50 Russian (In U.S., at Sea-Cliff, Long Island)**

Instructor: Alexander Guss
Description: The stay in Sea-Cliff, an old Russian community where one can meet members of Russian nobility, old Russian Intelligentsia, professors, teachers, translators, interpreters, musicians, etc., will offer the students an opportunity to live in a native Russian atmosphere. The program is one of intensive training in Russian language and culture.
Enrollment: 20 (Subject to change)
Prerequisite: Knowledge of spoken Russian and approval of Russian Department
Cost: \$300

SOCIOLOGY AND ANTHROPOLOGY**35 Peripheral Sociology**

Instructor: John Forster
Description: Growing out of courses in sociology, the seminar will provide the opportunity for a small group of students to follow up specialized areas of reading and research around the margins of orthodox courses in sociology. (For example, such fields as the sociology of literature, or the relation of sociology and law, or historical writing which has bearing on social change.)
Enrollment: 20
Prerequisite: One course in sociology and consent of instructor. Each student must present an outline of what he proposes to study and a short bibliography.
Cost:
Time & Room: 10:00-12:00 F L106

36 Student Subcultures and Anthropological Research

Instructor: David W. McCurdy
Description: Review of research on college student subcultures, and anthropological field research into student subcultures at Macalester College. Emphasis will be placed on techniques and problems associated with designing and carrying on anthropological field research.
Enrollment: 15
Prerequisite: Consent of instructor
Cost: \$1.98
Time & Room: 1:30-3:30 WF M215

45 Freshman-Sophomore Individual Project

(Individual arrangements to be made with department)

49 Social, Political and Economic Aspects of Modernization (Same as Econ 49 and Pol Sci 49)

Instructors: John Turner, Paul Berry, James Weekly
Description: An interdisciplinary study of conditions in the underdeveloped countries, and of the interaction of economic, political, and social problems and changes in the development or modernization of those countries.
Enrollment: 20 (Registration with Mr. Berry or Mr. Weekly)
Prerequisite: Preferences given to sophomores or

above, with previous work in political science, sociology, or economics

Cost:

Time & Room: 9:00-11:00 TWThF M207

55 Individual Study: Agency Placement

Instructor: William Hoffman

Description: Placements are arranged in social agencies dealing with children, youths, or adults; in rehabilitation, corrections, poverty programs; and other health and welfare agencies. Reading, participation in staff conferences, and an interim paper are required, in addition to the work experience.

Enrollment: 20

Prerequisite: Junior or senior standing, interest and ability

Cost:

Time & Room: Off campus

69 Guadalupe Project

Instructor: Paul M. Berry

Description: This course is designed to make possible the opportunity for persons of different interests and talents to work under a single interim project in the Guadalupe Community Center, St. Paul, Minnesota, in order to become knowledgeable about the social, economic, and educational problems of an urban poverty area and to relate the application of their various academic disciplines to the problems of the migrant labor Mexican in this area. Students will work in the areas of math, music, dance, dramatics, art, counseling, tutoring, and Spanish.

Enrollment: Music: 2; Dance: 2; Creative Dramatics: 2; Art: 2; Counseling: 2; Math: 2; Reading Tutoring: 8; Bi-Lingual (Spanish) Teaching: 8.

Prerequisite: Students should be upperclassmen, although exceptions will be made if the student has good conversational ability in Spanish and must have a letter of recommendation from the department of their specialty area stating that they are of sufficient ability to work in that area at the Guadalupe Community Center. Final selection will be made by the campus instructor for the course and by Sister Giovanni, Project Director for the Guadalupe Area Community Project.

Cost: Textbooks; daily bus fare to the Center

Time & Room: Off campus

95 Junior-Senior Individual Project

(Individual arrangements to be made with department)

SPANISH

11 Spanish (Mexico)

Instructor: Eileen Fehner, St. Olaf

Description: This course presents an opportunity for very intensive language study in a native setting and with native instructors at Cuernavaca, Mexico. This is primarily a language course with strong emphasis on the development of functional language skills. The relationship of language to culture will also be utilized and occasional trips to nearby points of interest and primary elements of cultural value will be made. A "working" language course in an exciting and colorful setting.

Enrollment: 9 (Enrollment closed)

Prerequisite: Beginning Spanish. Approval of Spanish Department Chairman

Cost: \$210

44 Introduction to Linguistic Analysis

Instructor: Stanley W. Connell

Description: A study of the nature of language and the techniques of descriptive linguistics. Discussion of phonetics, phonemics, morphology and syntax. For students interested in an introduction to descriptive linguistics, and students who plan to study or teach foreign languages.

Enrollment: No limitation (Room capacity = 56)

Prerequisite: None

Cost:

Time & Room: 9:00-10:30 MTWTh H203

46 A Comparative Linguistic Analysis of French, German, Russian, and Spanish

Instructor: Walter E. Thompson

Description: A comparative study of French, German, Russian, and Spanish on morphological, phonological, and syntactical levels. Discussion of linguistic problems encountered by native English speakers in learning the above-mentioned languages. Extensive use of the language laboratory will be required for developing basic oral skills in each of the four languages.

Enrollment: 25
Prerequisite: A college elementary course or equivalent in at least one of the above languages
Cost: Less than \$10 for books
Time & Room: 10:00-12:00 MTWTh (plus arranged labs) H107

50 Mexican Study Trip

Instructor: Robert J. Dasset
Description: The main purpose of this month in Mexico is to give Macalester students the opportunity to use the Spanish language as a real means of communication while visiting a foreign country of Hispano-American culture.
Enrollment: 25
Prerequisite: Spanish 31, its equivalent, or any higher Spanish course
Cost: \$350

69 Guadalupe Project (See Soc 69)

71 The Metamorphoses of Don Juan

Instructor: Harold G. Jones III
Description: A study of the figure of Don Juan with readings in literature and criticism in at least one foreign language and in translation — in Spanish, French, German and English. The nature of national and international literary myths will be analyzed.
Enrollment: 10
Prerequisite: Reading knowledge of one foreign language, and early consultation with the instructor
Cost: \$15
Time & Room: 9:00-11:00 MWF H109

95 Junior-Senior Individual Project (Individual arrangements to be made with department)

97 Honors Seminar in Spanish Literature

Instructor: Donald L. Fabian
Description: A seminar study of some topic in Spanish literature not covered in depth in any of the regular departmental literature courses. The exact topic will be decided upon in the light of the interests and needs of the students enrolled in the Spanish Honors Program.
Enrollment: 5
Prerequisite: Admission to the Honors Program in Spanish

Cost: A small sum for books
Time & Room: Arranged

SPEECH AND DRAMA

51 Group Reading Study Tour

Instructor: Mary Owen
Description: The purpose of the course is to provide students with an opportunity to participate, in a communal appreciation of the theory and performance of the ancient Greek art form of group reading as it was used originally and as it has evolved through the ages.
Enrollment: Unlimited
Prerequisite: Audition; the group will of necessity include persons of experience in the art of group reading; people inexperienced in group reading, but with potential for research and performance.
Cost: \$4 plus travel funds as necessary to augment tour budget — to be announced when tour schedule is established
Time & Room: TWTh Theater

52 Advanced Debate Study Tour

Instructor: Lyman K. Steil
Description: Two weeks of advanced theoretical research and study in the numerous complex areas of Debate and Forensic activities; followed by two weeks touring leading colleges and universities engaging in advanced Debate and Forensic participation.
Enrollment: 20
Prerequisite: Completion of Speech 25; seniority in co-curricular participation; capability to do advanced work.
Cost: Approximately \$40 (individual meals, incidentals)
Time & Room: MTWThF S202, 204, 205

69 Guadalupe Project (See Soc 69)

71 Drama (Abroad)

Instructor: John Bale, Luther College
Description: The London theater will form the central focus of study. Backstage visits and discussions with actors and artists whenever possible. Tours of museums, cathedrals, Parliament, cultural centers.

Side trips including Stratford, Oxford, Bristol. Short stay in Paris prior to departure.

Enrollment: 20 (Enrollment closed)

Prerequisite: Course in English Drama recommended

Cost: \$640

ORDER OF REGISTRATION AND VALIDATION

OFF-CAMPUS INDIVIDUAL PROJECTS:

1. THE PROPOSAL FOR INTERIM TERM INDIVIDUAL PROJECT forms and the GUIDELINES AND CATEGORIES OF OFFERINGS are to be picked up in the Registrar's Office.
2. In consultation with the adviser and instructor concerned, the student will outline the proposed project, obtain the signatures of the instructor, adviser, chairman of the sponsoring department, and immediate supervisor, in that order.
3. The endorsed proposal is to be returned to the Registrar's Office no later than Thursday, November 16, at 4:30 p.m.
4. The students whose projects have been approved by the Interim Term Subcommittee will present the following endorsed forms to the Registrar's Office no later than Friday, December 1, in order to register:
 - a. PARENTS' RELEASE FORM (required only if under 21 years)
 - b. DEAN OF STUDENTS' PERMISSION FORM
 - c. INSURANCE FORM

VALIDATION IS REQUIRED: Students who have registered in this category must appear in person in the Registrar's Office to validate their registrations between December 14 and December 19 at 4:30 p.m.

ON-CAMPUS INDIVIDUAL PROJECTS:

1. The PROPOSAL FOR INTERM TERM INDIVIDUAL PROJECT forms and the GUIDELINES AND CATEGORIES OF OFFERINGS are to be picked up in the Registrar's Office.
2. In consultation with the adviser and instructor concerned, the student will outline the proposed project, obtain the signatures of the instructor, the adviser, and the chairman of the sponsoring department, in that order.
3. The endorsed proposal form is to be returned to the Registrar's Office no later than Friday, November 17, at 4:30 p.m., at which time the student will complete his official registration.

VALIDATION IS REQUIRED: Students who have registered in this category will validate their registrations in person in the Gymnasium, on January 3, Wednesday afternoon, according to the schedule below.

STUDENT TEACHING:

1. Beginning Monday, November 27, students intending to register for Student Teaching may pick up their registration cards in the Registrar's Office.
2. Registration cards, endorsed by the instructor and adviser are due in the Registrar's Office no later than Friday, December 1, at 4:30 p.m.

VALIDATION IS REQUIRED: Students taking courses in this category must appear in person in the Registrar's Office to validate their registrations between December 14 and December 19 at 4:30 p.m.

OFF-CAMPUS GROUP COURSES:

1. Beginning Monday, November 27, students may pick up the following materials:
 - a. REGISTRATION CARD
 - b. PARENTS' RELEASE FORM (required only if under 21 years)
 - c. DEAN OF STUDENTS' PERMISSION FORM
 - d. INSURANCE FORM
2. Due in the Registrar's Office no later than Friday, December 1, at 4:30 p.m.:
 - a. REGISTRATION CARD endorsed by the adviser and instructor
 - b. Endorsed DEAN OF STUDENTS' PERMISSION FORM
 - c. PARENTS' RELEASE FORM signed by parent or guardian
(The INSURANCE FORM is to be presented to the Tour Leader)

VALIDATION IS REQUIRED: Students taking courses in this category must appear in person in the Registrar's Office to validate their registrations between December 14 and December 19 at 4:30 p.m.

ON-CAMPUS GROUP COURSES:

1. Beginning Monday, November 27, students may pick up their registration cards.
2. Registration cards, endorsed by the adviser and instructor are due in the Registrar's Office no later than Friday, December 1, at 4:30 p.m.

VALIDATION IS REQUIRED: Students taking courses in this category will validate their registrations in person in the Gymnasium on January 3, Wednesday afternoon, according to the schedule below

**ORDER OF VALIDATION
Gymnasium, January 3, 1968**

Time	Classification	First Letter of Last Name
12:45 - 1:15	Freshmen	A through J
1:15 - 1:45	Freshmen	K through Z
1:45 - 2:15	Sophomores	A through J
2:15 - 2:45	Sophomores	K through Z
2:45 - 3:05	Juniors	A through J
3:05 - 3:25	Juniors	K through Z
3:25 - 3:45	Seniors	A through Z
3:45 - 4:00	Specials	A through Z

INTERIM TERM POLICIES TO REMEMBER

1. **CHANGE OF REGISTRATION:** All registrations for Individual Study Projects are final. Changes of registrations for courses in the other categories may be made until the last day of classes in the Fall Term, December 13, after which time no changes of registrations may be accepted in the Registrar's Office.
2. **LATE REGISTRATION and/or VALIDATION:** Registrations and/or validations received in the Registrar's Office after the stated deadlines will be assessed \$5.00 for each late day.
3. **S - U GRADING SYSTEM:** An S grade (satisfactory) is equivalent to a C grade or better. A U grade (unsatisfactory) is equivalent to D or F grades. The student must earn an S grade in

order to qualify for registration in the 1968-69 Fall Term.

4. **INCOMPLETE GRADES:** Incomplete grades must be approved by Dean Armstrong before being received in the Registrar's Office. All make-up grades must be reported to the Registrar's Office by Tuesday, February 27, 1968.

ORDER OF VALIDATION
 1968-69, JANUARY 2, 1968

Year	Classification	Number
1967-68	1st Year	100
1967-68	2nd Year	100
1967-68	3rd Year	100
1967-68	4th Year	100
1967-68	5th Year	100
1967-68	6th Year	100
1967-68	7th Year	100
1967-68	8th Year	100

REGISTERED COURSE FOR 1968-69

1. **CHANGE OF REGISTRATION:** An applicant for admission to the University of Northern Iowa must have completed the application process by the deadline date. The Registrar's Office will accept applications for admission to the University of Northern Iowa for the 1968-69 academic year only if the applicant has completed the application process by the deadline date.
2. **REGISTRATION AND VALIDATION:** The Registrar's Office will accept applications for admission to the University of Northern Iowa for the 1968-69 academic year only if the applicant has completed the application process by the deadline date.
3. **CHANGING SYSTEMS:** An applicant for admission to the University of Northern Iowa for the 1968-69 academic year must have completed the application process by the deadline date.