

MACALESTER COLLEGE BULLETIN

1975-76
supplement



This is a supplement to the 1974-76 catalog. For a complete description of the College and its programs, this supplement and the catalog must be reviewed together.

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How to Use This Supplement

To get the most out of both the catalog and its supplement, it is advised that the two publications be placed side by side for easy reference. In the general information portion of the supplement, the page number on which the complete section can be found in the catalog is indicated. Also, an index which lists all categories and page numbers in both the catalog and supplement appears on the last page of this publication.

Supplement to the 1974-76 Catalog

When planning began for the 1975-76 Macalester catalog, it became apparent that there were enough 1974-75 catalogs to serve the needs of the College for another academic year.

We did, however, realize that it was necessary to update certain information for both historic and informational purposes.

We have, therefore, produced this catalog supplement which contains the type of information that is absolutely necessary to fulfill those purposes.

The supplement follows the same sequence as the catalog but only the changes are reflected.

Thus, when a change has been made within a section, the heading is given in boldface type, as well as the subhead, and only the paragraph containing the change is printed.

In the curriculum portion of the catalog, each academic department is listed and the changes are categorized as follows:

New Courses

Change in Course Description and/or Title

Change in Course Number

Courses Not Offered 1975-76

Cancelled Courses

Independent study courses have been renumbered to better reflect the nature of such courses at Macalester and to result in more accurate transcripts. Formerly, they were 45 and 46 for freshmen and sophomores, and 95 and 96 for juniors and seniors. They are now as follows:

95 Tutorial – Closely supervised individual (or very small group) study with a faculty member in which a student may explore, by way of readings, short writings, etc., an area of knowledge not available through the regular catalog offerings.

96 Independent Project – The production of original work (paper, thesis, extended research, art exhibit, musical or dramatic program, etc.).

97 Internship – Work that involves the student in practical (usually off campus) experience, such as internships and career explorations.

98 Preceptorship – Work in assisting faculty in the planning and teaching of a course, precepting or tutoring.

Departments currently offering seminar courses under other numbers are now **88 Seminars**.

The supplement also contains an updated listing of the Board of Trustees, College Officers and Administration; the names of new faculty and faculty promotions; new scholarships; new and changed interdisciplinary studies; a description of the 7-Week Intensive Study Option and listing of the courses offered on the 7-week calendar; the complete 1975-76 college calendar, and enrollment statistics.

Student Services (See page 7 of catalog.)

Change in description of Winton Health Service

The College Health Service is located at 1595 Grand Ave. A registered nurse is on duty every day and a physician will see patients by appointment made with the nurse.

Services provided include office consultation with the physician, all routine laboratory tests, minor trauma care and some forms of physical therapy.

After-hour patients and serious medical or surgical illness are treated at a local city hospital. Minimum fees are charged for laboratory tests, antibiotics and special medicines provided by the Health Service. The student is responsible for all other charges made at other health facilities, i.e., hospitals, emergency rooms, private physician clinics.

Health Service and doctors' hours will be posted in the Dean of Students' office, Health Service building and in campus publications at the beginning of the semester.

Campus Activities and Organizations (See page 10.)

Communications and Publications – KMAC (campus radio station); Mac Weekly (newspaper); the Spotlite (directory); This Week at Macalester (weekly calendar); and Today (daily events and announcements).

Admissions, Expenses and Financial Aid (See page 13.)

General Information (Reflects changes only.)

Admission is based on students' school record, including rank in class, personal commitment, performance on the College Entrance Examination Board (PSAT or SAT) or the American College Testing Program (ACT) test, and on potential success at the College, as evaluated by advisers and others who know them well.

The composite of these items will provide a comprehensive overview of the students' abilities, achievements and, as now developed, plans for the future. Evidence of social and ethical concerns, leadership potential and extracurricular involvements – in addition to academic qualifications – are important considerations noted by the Admissions Committee.

Special consideration is given to students who apply for admission under the Expanded Educational Opportunities (EEO) Program for Black, Native American and Hispanic students whose educational and economic backgrounds are such that they might not otherwise consider applying to Macalester. Since the number of qualified students exceeds the number of spaces in the class, the Admissions Committee will give preference to students whose credentials are most satisfactory and who appear to have the greatest probability of having a successful experience at Macalester.

The formal admissions application booklet may be obtained by writing to the Admissions Office, Macalester College, Saint Paul, Minnesota 55105. Since the Macalester application must be filed in every instance, Minnesota applicants are advised not to file the "Minnesota College Admission Form" which is spon-

sored by the Association of Minnesota Colleges. The application should be accompanied by a non-refundable application fee of \$15.

Notification and Reply Dates

SAM (Single Application Method) (See page 16.)

File: by February 1.

File: PCS by January 1.

Notification Deadline:

From First Choice College – March 15.

From First Alternate College – April 1.

From Second Alternate College – April 15.

Reply no later than: May 1.

Tuition, Fees and Room and Board 1975-76 (See page 16.)

The tuition rate for full-time students entering September 1975 is \$3,000 per year. Tuition for returning students is \$2,800. These fees include all expenses except books and those fees listed below.

Interim Term Tuition

Full-time academic year student	No additional charge
Full-time, fall term student graduating in December	No additional charge
Full-time one-term student	\$150
Special or part-time student	\$300
Studio or private music lessons	Negotiated
Interim make-up	\$180

Summer Session Tuition

Per course (in 1975)	\$180
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Other Fees

Student Activities Fee	\$ 35
Part-time students, cost per course	\$350
Part-time students over age 55, cost per course*	\$100
Part-time students out of high school for 10 years or more (but younger than age 55), cost per course*	\$200
Audit fee – per course	\$ 10
Music fees – private lessons:	
Full-time, non-music major – per term	\$ 78
Special or part-time students – per term	\$ 88
Class lessons in piano – per term	\$ 30
Fifth course	\$200
Validation and registration after the scheduled period each term is subject to a fine of \$15.	

*must take no more than two courses per term

Room and Board Charge 1975-76

Room and Board – per student per academic year	\$1,250
Room and board, interim term only	\$ 158

Confidential Financial Statements (See page 18.)

The College Scholarship Service also provides a Student Financial Statement for students who are financially independent of their families. Federal regulations state that to qualify, the student

must state his or her special circumstances in writing; show proof that he or she will not be claimed as a dependent for income tax purposes by anyone (except his or her spouse) for the calendar years in which aid is received and for the previous calendar year (i.e., a student seeking aid for 1976 may not be claimed as a dependent on a 1975 tax form); the student cannot live in his or her parents' home for more than two consecutive weeks or receive more than \$600 support from his or her family for the above specified period.

Financial assistance for subsequent years is not renewed automatically. Students who seek aid must file a college application form and submit a renewal PCS, SFS or FFS each year they are in attendance at the College. Financial assistance is subject to review annually and to adjustment if financial need or academic status has changed. It is also subject to adjustment in view of the total dollar need of all students and the funds available for financial aid.

Types of Assistance (See page 18.)

Financial Aid is generally a package of scholarship, loan and work funds. The amount of each type varies according to the College's funds and the student's need. During 1974-75 about 46 per cent of Macalester's 1700 students received financial assistance in scholarships, loans and jobs. Approximately \$1.1 million of such assistance was available. Aid awards ranged from \$100 to the full cost of tuition, fees, room and board. In addition, many Macalester students receive scholarship funds from outside the College.

Students interested in the Macalester/Rush Nursing Program should write Macalester College for information on financial aid for that program.

Scholarships and Grants (See page 18.)

Name Change

From **Educational Opportunity Grants to Supplemental Educational Opportunity Grants**

New Scholarship

The Edward Duffield Neill Scholarship

As part of the centennial observation of Macalester's chartering in 1874, a new scholarship program has been established to honor Dr. Edward Duffield Neill, pioneer Presbyterian clergyman-educator who founded Macalester and predecessor schools dating back to 1853. All freshman applicants are eligible for the \$500 renewable grants, which are awarded by a committee of seven faculty members on the basis of academic performance and potential, talent and social commitment.

Work (See page 19.)

Campus Employment

All regular campus employment is administered through the Financial Aid Office so students who have financial need have first chance to qualify for jobs. Work opportunities in academic and administrative departments and the food service will pay \$2.20 per hour and are awarded usually for a total of \$700 per academic year.

How to Apply for Financial Aid

Prospective students who are candidates for financial aid at Macalester College must take the following steps:

1. File a formal application for admission with the Admissions Office.
2. File the Macalester Application for Financial Aid and the Work-Study Application with the Admissions Office.
3. Submit either the PCS, SFS or FFS to the appropriate computing service, by December 1 for SAM applications and January 15 for regular applications, and request that a copy be sent to Macalester College. These aid application forms are normally available in the office of your school principal or counselor. If necessary, it may be obtained from the Macalester Admissions Office.

For More Information, Contact:

Director of Admissions or Director of Financial Aid
77 Macalester Street
Macalester College
Saint Paul, Minnesota 55105
Telephone: (612) 647-6357

Instructional Policies and Programs (See page 21.)

General Information about Calendar, Course Patterns and Student Load

The academic calendar is divided into two 14-week terms (September-December; February-May) and a four-week interim term (January). Students have the option of dividing the 14-week terms into two 7-week terms each for more concentrated course study (explained below). In addition, there is a two-term summer session in June and July.

Each course offered in the Macalester curriculum is equivalent to four semester credits, except courses in physical education activities, forensics and speech activities, and music ensemble and studio work. The credit for these latter courses is specified in the departmental sections of the catalog (under Curriculum).

A student usually enrolls in four courses during each of the fall and spring terms and must register for one project during interim term. A student may register for a fifth course by petition to the Director of Student Academic Records; approval is normally granted students in good academic standing who have no courses uncompleted. Summer students may take one course each four-week term.

7-Week Study Option

The 7-Week Intensive Study plan gives students the choice of taking courses in four 7-week terms instead of the two 14-week semesters, thus giving them the opportunity to get to know their teachers, each other and their subject matter in a concentrated time period.

The plan works as follows:

Each semester can be divided into two 7-week blocks, during which students would take two courses, for which they would

receive full credit. Thus, by the end of the two 14-week terms, plus interim term which remains unchanged, students will have taken the nine required courses for the year.

Students would have the choice, however, to arrange their schedules in varying ways. For example, one could take two 14-week courses and two consecutive 7-week courses for a normal semester load of four courses. (See page 21 for course list.)

Credit by Examination (See page 23.)

Any student admitted to Macalester College may receive credit for a course listed in the catalog through successful completion of an examination or other requirements, such as papers or reports, with an instructor and certified to the Dean of Faculty by the instructor and his or her department chairman with the stipulation that the credit may be granted only during a term in which the student is registered for a full academic load. The following requirements also pertain to seeking credit by examination.

A student will receive no instruction from a faculty member in obtaining credit by examination. No credit can be considered for a course previously registered or audited, officially or unofficially.

Special Programs (Reflects changes only.)

A. Approved Macalester Study Abroad Programs (See page 27.)

7. The Associated Colleges of the Midwest (ACM) offers five programs to which Macalester students may apply their financial aid:

- a. Japan Study: Application deadline is February 1 for program beginning in July.
- b. India Studies: Program runs from March to December with application deadline November 15.
- c. Florence/Arts of London and Florence: Application deadline is April 1 for fall Florence program. Arts of London and Florence program runs from February to May with application deadline October 15.
- d. Latin American/Costa Rican Development Studies: Application deadline is March 1 for the Latin American Studies program. Application deadline is November 1 for the Costa Rican Development Studies program.
- e. Chinese Studies: The British Crown Colony of Hong Kong provides the setting for the study of Chinese language and culture. Participants enroll at Chinese University's New Asia College for one or two semesters, completing required courses in Mandarin language and Chinese studies, and electives ranging from political ideology to calligraphy. The deadline for applications for both terms is March 15.

C. UMAIE (The Upper Midwest Association for Intercultural Education) (See page 28.)

Macalester participates in and serves as the headquarters for UMAIE, a consortium of 10 regional colleges which plans a foreign interim term curriculum each year. Other institutional members of the organization are Gustavus Adolphus College, Bethel

College, Luther College, St. John's University, the College of St. Benedict, the College of St. Catherine, the College of St. Thomas, Hamline University and Augustana College. UMAIE will enroll more than 300 students in 15 courses abroad during January 1976 to study and travel in Russia, Germany, Sweden, England, France, Spain, Austria, Belgium, Holland, Canada and the State of Hawaii.

Associated Colleges of the Midwest Program (ACM) (See page 28.)

Macalester is a member of the Associated Colleges of the Midwest (ACM). Other participating colleges are: Beloit, Carleton, Coe, Colorado College, Cornell, Grinnell, Knox, Lawrence, Lake Forest, Monmouth, Ripon and St. Olaf. In addition to the overseas programs listed previously, the following special opportunities are available to students from ACM member colleges: (See catalog.)

Change in the Wilderness Field Station Program. (See page 29.)

The program is conducted in two summer sessions, June-July or July-August. Application deadline is February 21.

1975-76 Curriculum

Interdisciplinary Studies

East Asian Studies

Gerald Pitzl (Macalester Coordinator)

The purpose of this inter-college, interdepartmental major concentration is to enable interested five-college students to acquire a broad knowledge of China and Japan as major cultures and to provide a basic understanding of the language of one or both countries.

Major Concentration

Twelve courses are required to complete the major. Your major will be in one of two emphases with the distribution of courses as follows:

East Asian Culture: Two language courses including one year of Chinese or Japanese; two introductory history courses; six courses in cultural specialization and/or comparative studies; and two independent study/seminar courses.

East Asian Culture and Language: Four language courses; two introductory history courses; four courses in cultural specialization and/or comparative studies; and two independent study/seminar courses. (A two-year concentration in either the Chinese or Japanese language is encouraged. You may, however, take one year of each to complete this emphasis.)

Courses

Language

To facilitate program planning, the beginning and intermediate courses are offered in alternate years. Advanced language study also can be arranged. The sequence for 1975-76 will be:

Beginning Chinese I (Augsburg CHI 78111)

Beginning Chinese II (Augsburg CHI 78112)

Intermediate Japanese I (Macalester ND 50)

Intermediate Japanese II (Macalester ND 50)

Introductory History

Introduction to Chinese Civilization (Hamline History 23)

China to the 19th Century (College of St. Catherine HI 354)

Modern China (Macalester History 53)

Introduction to Japanese Civilization (Hamline History 24)

Modern Japan (Macalester History 54)

East Asia (Macalester History 14, College of St. Catherine HI 116)

Modern Non-Western World (Augsburg HIS 56104)

Cultural Specialization

Social Structure of China (Hamline History 50)

The Chinese Revolution (Hamline History 55)

Modern Japan (Augsburg HIS 56465)

Oriental Philosophy (Augsburg PHI 83355)

World Religion II: China and Japan (Hamline Religion 48)

History of Religions (Augsburg REL 87356)

Comparative Studies

Oriental Art (Macalester Art 76)

International Economics (Hamline Economics 75, College of St. Thomas EC348)

The World and the West (Augsburg HIS 56474)

Modern South East Asia (Augsburg HIS 56463)

Government and Politics of East Asia (Hamline Political Science 60)

Government and Politics of South and East Asia (College of St. Thomas PO355)

Communist Foreign Policies (Augsburg POL 85363)

Communist Political Systems (Augsburg POL 85351)

Asian Religion (Macalester Religion 24)

East Asia (Macalester Sociology 62)

Note: In choosing cultural specialization and comparative studies courses, you are encouraged to be eclectic: include both China and Japan; both ancient and modern periods. Your adviser can assist in these decisions.

Independent Study/Seminar

One course should deal with basic topics in East Asian history and the other will be a choice mutually agreed upon with your major adviser.

The purpose of these two courses is to provide knowledge of the major intellectual problems and research in the field, as well as be a capstone activity for senior students in the major.

Program Planning

Adviser

The key to a coherent East Asian Studies major for each individual lies with your faculty adviser. Members of the five-college East Asian Advisory Council may be your initial contact for such assistance and can identify other faculty who will serve in that capacity.

Instructors

In addition to the language and independent study/seminar courses, you must take courses from at least two different instructors.

Transfer Credits

You may use as part of this major a maximum of six courses transferred from colleges other than the five involved in the program.

Study Abroad

The cooperative East Asian Studies major includes the opportunity to study in Hong Kong, Taiwan, and/or Japan. Since the arrangements change from year to year, please consult your adviser.

Environmental Studies

David Southwick (Coordinator)

Course Not Offered 1975-76

10 Introduction to Environmental Studies

Freshman Seminars

Joel Baer, William Donovan, Thomas Faix, Charles Green, Douglas Hatfield, Raymond Johnson, Walter Mink, Roger Mosvick, Wayne Roberts, Edward Strait, William Swain, Gerald Weiss, Franz Westermier, David White, Patricia Wiesner

Freshman Seminars offer the opportunity for a majority of first-year students to work closely with a faculty member on a subject of mutual interest in order to develop a genuine sense of intellectual and social community. A Freshman Seminar counts as an elective course.

Seminar 1	The Archaeology of Greece in the Bronze Age
Seminar 2	Education, Liberty and the American System
Seminar 3	The British and American Folk Song Tradition
Seminar 4	Woman and Sport
Seminar 5-6-7	Paradigms of Consciousness
Seminar 8	Non-Western Paradigms of Consciousness
Seminar 9	Prophets of Doom
Seminar 10	Futurism and Decision Making
Seminar 11	Arts Spectrum
Seminar 12	Energy
Seminar 13	The World, A Christian Appreciation
Seminar 14	The Study of Lives
Seminar 15	The Sociological Enterprise

Humanities

Giles Gamble (Coordinator)

New Course

- 27 **The Modern World III** (Greenberg) Studies in the 20th century literature, arts and philosophy of Europe and the Americas. Fall term, second seven weeks.

International Studies

Dorothy Dodge (Coordinator)

Recommended Program of Study replaced by Overview of the International Studies Major

The 14-credit international studies program is divided into three major components: 1) a curricular portion providing the student

with an informational and methodological base for a career or for further study in international affairs; 2) an experiential portion providing the practical background essential to a full understanding of diverse cultures; and 3) a skills portion providing tools essential for international involvement.

Curricular Component

Each international studies major will *core* in one or more of the following departments: Anthropology, Economics, French, Geography, Germanic Languages and Literatures, History, Philosophy, Political Science, Religion, Slavic Languages and Literatures, or Spanish. These will be considered the "participating departments." A core generally consists of six courses.

The core will be supplemented by at least six additional courses from a list of courses approved by the International Programs Committee. These courses will be among the regular curricular offerings of the participating departments. The student will select courses from at least two different participating departments, neither of which can be the student's "core" department. This will ensure a broad sampling.

In addition, each student will select, in the course of his or her program, at least two interdisciplinary topical seminars. These will be intermediate or advanced seminars, taught jointly by faculty from at least two participating departments and joined by one or more Fellows of the World Press Institute as co-teachers when available. Seminars will bring to bear the perspectives of diverse experiences, theories and methodologies on specific problems of global or inter-cultural concern. The International Programs Committee will coordinate these seminar offerings, ensuring the participation of appropriate faculty, WPI Fellows and foreign students. At least one such seminar will be offered each semester.

Experiential Component

Each student majoring in international studies will be required to spend one semester (preferably in the junior year) on either an approved study abroad program or an approved international internship program.

Skills Component

Each student majoring in international studies will be required to master certain skills relevant to the study of international affairs. Other skills may be strongly recommended for specific students. Each student will work out a goal attainment schedule with the adviser which will specify which skills will be acquired.

Required skills, for which specific courses may be recommended, include the following: a) Foreign language. Each student will demonstrate competence in at least one foreign language. This may be demonstrated by taking at least four semesters of a given foreign language with passing grades, or by passing an equivalency examination. b) Oral Communication in English. Each student will be expected to be articulate and should have some experience with creative oral communication. c) Written Communication in English. Each student will be expected to write concise, jargon-free technical reports and should have some exposure to creative writing. d) Bibliographic Skills. Each student will be required to demonstrate an ability to discover basic sources of information and opinion.

Recommended skills, for which specific courses may be recommended, include the following: a) Data Analysis. Each student should be able to analyze and present numerical information. Some students may want to acquire statistical and/or computer programming skills. b) Accounting. Each student should be able to prepare and criticize budgets. c) Administrative. Each student should be familiar with the workings of administrative organizations. d) Visual Communication. Each student should be competent in the use of photography and video means of communication and research. e) Cartography. Each student should be able to analyze spatial problems through cartography and airphoto interpretation as well as be able to present information with maps and to criticize other forms of graphic communication.

Latin-American Studies

Donald Fabian (Coordinator)

No Change

Linguistics

Karl Sandberg (Coordinator)

New Courses – Language Competency

- 5 **Linguistics: Introduction to English as a Second Language**
A basic course in English for students whose native language is other than English. Pronunciation, elementary conversation, reading and writing and the essentials of English grammar. Extensive time in the language laboratory is required.
- 6 **Linguistics: Introduction to English as a Second Language**
A continuation of Linguistics 5 emphasizing the development of the skills of reading and aural comprehension.
- 7 **Linguistics: Intermediate English as a Second Language**
The course is intended for non-native speakers of English who have a basic acquaintance with the structure and sound system of English. Emphasizes the development of speaking and writing skills based on reading and aural comprehension. Students should take this course if they are not able to carry a full academic load because of a deficiency in English.
- 8 **Linguistics: Advanced Conversation and Composition in English as a Second Language**
A course intended for students who have a fair to good proficiency in reading, speaking and writing English but who need more work to improve their range of expression.

Russian Area Program

*Robert Bunting, Dorothy Dodge, Alexander Guss, Peter Weisen-
sel (Coordinating Committee)*

Major Concentration

Course Title Change

- e. Russian 76: Soviet Literature in Translation
Russian 83: Russian Literature in Translation

Urban Studies

*Karl Egge, Judith Erickson, David Lanegran, Doris Wilkinson
(Coordinating Committee)*

No Change

Departmental Studies

Art

Roger Blakely, Anthony Caponi (Chairman), Donald Celender, William Donovan, Carol Emanuelson, Gail Kristensen, Jerry Rudquist, William Saltzman

New Courses

- 37 **Ceramics** (Kristensen) A studio work experience with functional and nonfunctional ceramic forms using coil, slab, drape and wheel throwing techniques. The mixing and application of glazes. Participation in bisque and high fire stoneware glaze kiln firings. Four two-hour periods per week. Fall and spring terms.
- 74 **Advanced Ceramics** (Kristensen) An advanced course in ceramic art with greater emphasis on individual expression. Four two-hour periods per week. Fall and spring terms.

Change in Course Title

- 73 **Advanced Graphics** (from Graphics)

Biology

Gerald Dahling, Eddie Hill, James Jones, Edwin Robinson, James Smail, Claude Welch (Chairman), Russell Whitehead

New Courses

- 53 **Advanced Microbiology** (Hill) A presentation of topics in microbiology which include: viruses, host parasite relations, pathogenic microorganisms, microbial ecology, the algae and fungi. Prerequisite: Biology 43. Three one-hour lectures and one three-hour laboratory per week. Spring semester.
- 65 **Advanced Botany** (Dahling) An intensive study of field and ethnobotany. Systematic, evolutionary and ecological relationships of vascular plants will be stressed. A "Plants and Human Affairs" approach will be followed and a knowledge of the local flora will be developed by use of lectures, laboratory and field work. Prerequisite: Biology 13 or consent of instructor. Three lectures and one three-hour laboratory per week. Fall semester.

Change in Course Description

- 11 **Principles of Biology** (Welch) An introductory course considering fundamentals and concepts of biology in terms of historical background and with emphasis on modern developments. No prerequisite. Three lectures and one three-hour laboratory per week. Fall and spring terms.

Canceled Course

- 51 **Algae and Fungi**

Chemistry

Earl Doomes (on leave 1975-76), A Truman Schwartz, John Scott, Emil Slowinski, Fred Stocker (Chairman), Wayne Wolsey

Mathematics courses required in the chemistry program

Because of curricular changes in the mathematics program, the number of mathematics courses have been changed. Math 21 has been replaced by Math 19. Math 33 and 34 have been dropped, and replaced by Math 31.

Omitted from the 1974-75 catalog

- 63 **Advanced Inorganic Chemistry** Reactions and structures of inorganic compounds. Prerequisite: Chemistry 56, may be taken concurrently. Three lectures. Spring term.

Classics

Edward Brooks, William Donovan (Chairman), Jeremiah Reedy

New Course

- 50 **Topics: Philosophy of Plato and Aristotle**

Courses Not Offered 1975-76

- 16 Elementary Greek
57 Herodotus
58 Greek Tragedy
62 Homer's Illiad
32 Intermediate Latin
51 Classical Latin Rhetoric
52 Latin Elegy
64 Lucretius, De Rerum Natura
71 Roman Satire
21 Classical Epic and Lyric Poetry
70 History of Rome

Economics and Business

Robert Bunting (Chairman, on leave spring term), Karl Egge, Leslie Farber, David Lindsey (on leave 1975-76), Thomas Simpson, Adolf Vandendorpe.

New Course

- 50 **Topics: Business Law** (Staff) A study of the history of legal processes in the United States, the current legal system, and the impact of law upon business operations. Offered on a 7-week basis, second half of spring 1976.

Courses Not Offered 1975-76

- 25 Statistics II
50 **Topics: Theories and Critiques of Socialism**

- 52 **Aggregative Economic Analysis** (Note: **Economics and Business 66** will satisfy the major and core concentration requirements.)
- 53 **Issues in American Economic History**
- 54 **Managerial Accounting**
- 59 **Theories and Critiques of Capitalism**
- 61 **Labor Economics**
- 63 **Economic Development**
- 71 **Industrial Organization**
- 77 **Applications of Economic Theory**

Education

Richard Dierenfield, Lincoln Ekman (Chairman), Carol Emmanuelson, Thomas Faix, H. Arnold Holtz, Nancy Johansen, Lucy Lange, E. Jean Lyle, Michael Obsatz

Elementary Teacher Certification Requirements

- 125 **Drug Education** (non-credit)
- 125 **Human Relations** (non-credit)

Elementary education students must also take Mathematics 16 and Physical Education 217.

Additional Requirements of All Teacher Certification Candidates

- 125 **Human Relations**

New Courses

- 50 **Practicum in Disabled Readers in the Secondary School Curriculum** (Johansen) This course, designed for secondary teachers, approaches reading as the common factor in all secondary school subjects. It deals with survey technique, reading for main ideas, formulating, reading assignments, assessing reading ability and determining readability of textbooks. The seminar will be combined with a practicum in a junior or senior high school. Fall and spring terms.
- 50 **Beyond Masculinity** (Obsatz) This is a retreat course, taking place during the second seven weeks of fall term. Hopefully, the course can be arranged for full days – Tuesday and Thursday. The course is open to men and will follow the ideas of the book *The Liberated Man, Beyond Masculinity* by Warren Farrell. Topics discussed will include: emotional expression, independence and dependence, potency, competition, aggressiveness, dominance, power, athletic prowess, narcissism, war and politics, vulnerability, pressure, fatherhood, success and striving, sexuality, woman hatred, advertising images, patriotism, listening.

The men in the course will leave campus for two days of the week and spend those days in discussion and activities which may heighten their awareness. A final paper will be required. Fall term, second seven weeks.

- 50 **Nursery School Education** (Lyle) The study of the theories, types of programs, methods and materials and approaches to learning and teaching in Nursery School. Includes a large component of early childhood education and observations and participation in nursery schools. Four semester hours. Spring term.

- 97 **Community Involvement Programs Internships** Students work full-time with a Twin Cities community organization, agency or business, learning particular skills, factual knowledge about "real world" operations and interpersonal communications. Internships individually designed around students' interests, college studies and career goals. Periodic seminars provide discussion-sharing of topics related to interns' experiences and the relationship of academic theories to practical application. Limited enrollment. Application through Colleen Nunn, CIP, U114. Advance planning necessary. Fall and spring terms.

- 125 **Drug Education Seminar** (Ekman) Concerned with drug use and abuse, reasons for, treatment, teaching about drugs. Fall and spring terms.

- 125 **Human Relations Seminar** (Ekman) Concerned with relating to racial and other minorities. Looks at it as a problem of the majority rather than of the minority. Fall and spring terms.

While 125-01, 125-03 and PE 101 (secondary) and PE 217 (elementary) are non-credit, a student upon successfully completing all three receives a unit of credit.

Change in Course Description

- 50 **Practicum and Seminar in Early Childhood Education** (Obsatz) The course requires a minimum of four hours per week volunteer participation in a day care center or nursery school. Seminars using resource people and individual conferences about their experiences. Topics included in the seminars are: Family structure and its implications for day care services, the nature of the young child, observing and recording child behavior and other topics indicated by needs of the group. Four semester hours. Spring term, second seven weeks.

Change in Course Number

- 81 **Kindergarten Theory** (from 94)
- 82 **School and Society** (from 92)
- 83 **Comparative Education** (from 93)

Courses Not Offered 1975-76

- 49 **Educational Psychology**
- 83 **Comparative Education**
- 84 **Philosophy of Education** (Same as Philosophy 84)
- 90 **Guidance in Education**

English

Joel Baer, John Bernstein, Roger Blakely, Giles Gamble, Alvin Greenberg, W. Harley Henry, Howard Huelster, Patricia Kane, J. Michael Keenan, Celestia Meister, Peter Murray (Chairman), Susan Toth, Robert Warde

New Courses

18 **Literature and Writing** Sections are organized by the instructor around a topic. Emphasis on composition. May be taken twice for credit, but counts only once toward an English major. Does not count for a core concentration in English.

18 **(Fall term) Literature and Writing: Language as a Symbol System** (Huelster) We will consider the nature of the English language, its vocabulary, structure and uses. The literature we read will relate to the important issues of the day. The writing instruction will assume that the student has solved the elementary problems of writing and is ready to move on to the larger aspects of rhetoric: invention, organization, emphasis and so forth. There will be some consideration of the relation of the written word to the graphic symbol in the newer, mixed word-picture forms which are to be found in the books and magazines that we read.

18 **(Spring term) Literature and Writing: Murder on the Macalester Express** (Greenberg) A seven-week tour of murder as a literary act – mystery fiction: reading it and writing about it. An introduction to the study of literature and, particularly, to writing about literature through an exploration of one of the most popular literary genres of the past century. Readings in the masters of literary detection plus weekly essays, tests and some in-class writing, with equal time to be devoted to the study of whodunnit in fiction and how to do it – with style – in the literary essay.

18 **(Fall term) Literature and Writing: The Autobiographical Approach** (Blakely) A study of various pieces of autobiographical writing, what styles and forms are appropriate to the genre, and what can be told through it. Students will apply what they learn to various autobiographical assignments of their own. Tentative readings will include Baldwin's *Notes of a Native Son*, Richard Wright's *Black Boy*, Graves' *Goodby to All That*, Stein's *Autobiography of Alice B. Toklas*, Mary McCarthy's *Memoirs of a Catholic Girlhood* and Van Gogh's *Letters*. Such allied forms as the autobiographical travel essay, the autobiographical novel and autobiographical poem sequences will be considered also. Course activities will consist of minimal lecturing, discussion, projects, the presenting of student essays or stories for class criticism, and so forth. Specific writing problems will be handled in individual conferences.

18 **(Spring term) Basic Composition** (Keenan) This is a course for those who need to improve their writing skills in order to survive in college. We shall constantly and intensely observe the words we write in order to discover what they do and what they don't do. Our supporting texts will be Ken Macrorie's *Telling Writing*, and an anthology of short stories

to provide us with engaging subjects. You will be required to write eight 2-3 page papers and one 6-8 page paper (and rewrites, if necessary). Spring term.

18 **(Fall term) Literature and Writing: Towards the Modern Hero** (Bernstein) An examination of the hero in the writings of Hemingway, Camus, Dostoevski, Kafka and Robert Penn Warren. Reading list: Hemingway, *In Our Time*, *The Sun Also Rises*; Camus, *The Plague*, *The Fall*, *Caligula*, *Exile and the Kingdom*; Dostoevski, *The Brothers Karamazov*; Kafka, *The Trial*, *Selected Stories*; Warren, *All the King's Men*. There will be four to six papers, totaling between 4,000 - 5,000 words. Individual conferences will be held on writing if necessary. Fall term.

18 **(Spring term) Literature and Writing: The Craft of Writing** (Gamble) Emphasis on the careful reading of effective prose in order to discover the strategies of such writing, and on the application of these strategies to the student's own prose. Weekly writing assignments will provide practice in structuring sentences, developing paragraphs and producing full length essays. Individual conferences on writing when appropriate. Readings will be in essays and short stories.

18 **(Fall term) Literature and Writing: The Essay in Word and Picture** (Huelster) First, we will look at the history of the essay as a written form, and we will write several essays of the traditional sort. Then we will work toward an understanding of the newer, hybrid work-picture essay, examples of which crowd the bookstore shelves and dominate the freshman English textbook field. We will construct essays in words and pictures, producing both books of words and pictures and slide presentations involving pictures and scripts. Students will be expected to have the use of a camera and be able to take a picture. Elementary instruction in black and white darkroom techniques will be available for those who do not already possess darkroom skills.

18 **(Spring term) Basic College Writing** (Norman) Basic College Writing is a course designed for the student who has doubts about his or her ability to write academic papers on a competitive basis with the other students at the College. The main emphasis will be on slowly developing skills in paragraphing, writing with direction, developing test-taking strategies and writing with clarity

18 **(Fall term) Basic College Writing** (Norman)
Same as above. Permission of instructor.

18 **(Spring term) Literature and Writing: The St. Paul Literary Climate: Fitzgerald** (Kane) Students will read fiction set in St. Paul and will research such topics as the specific settings, using history or contemporary descriptions and pictures or viewing sites personally. Each student will choose one author in addition to Fitzgerald in which he or she will become expert. Writing will include reports of information and analyses of fiction. Students should expect to register S-D-NC.

- 18 (Fall term) **Basic Composition** (Keenan)
Same as 18-03 (Spring term)
- 31 (Fall term) **Studies in Modern Fiction: Southern Fiction: Faulkner and four other Southern writers** (Kane) Students will read five works by Faulkner; two by Flannery O'Connor; one by Robert Penn Warren; one by Allen Tate; one by Katherine Anne Porter. Fiction includes novels and short story collections.
- 31 (Spring term) **Studies in Modern Fiction: Three Modern Masters: Conrad, D.H. Lawrence and Hemingway** (Blakely) Conrad, Lawrence and Hemingway make an interesting sequence of 20th century authors. All three sought a mode of life, and thus a literary method, that would give human existence a dignity and meaning even in a bad century. All three were concerned with such issues as honor, healthy sexuality, the impact of war and mass society on human worth, the ambiguous call of the primitive, the confrontation of Western culture with native life-styles, and alternatives to a decayed Christianity. We will read three major works by each author along with selected short stories and, in Lawrence's case, poems. Tentative reading list: Hemingway, *The Nick Adams Stories, A Farewell to Arms, For Whom the Bell Tolls*; Conrad, *Great Short Works, The Secret Agent, Victory*; Lawrence, *Sons and Lovers, Women in Love, Lady Chatterley's Lover*.
- 31 (Fall term) **Studies in Modern Fiction: Forms of Fiction: Novel and Short Story** (Gamble) A study of six or seven modern authors who have written both novels and short stories. For each writer we will read one novel and several short stories and try to assess his or her achievement in both forms. Works will be chosen which treat important modern issues and which demonstrate a variety of writing styles. Probable authors: Donald Barthelme, John Cheever, Anais Nin, Katherine Anne Porter, John Updike, Richard Wright, J.F. Powers. Students will take mid-term and final exams and write three papers.
- 50 (Fall term) **Topics: Love Story** (Meister) A bouquet of readings relating to love in the broad sense of the word. In various genres and periods and from a variety of writers, mainly 19th and 20th century British and American works. Also such variations on the theme as the scorned lover, love as ridiculous, filial and parental love. Ranging from sonnet to pop song, from drama to biography, from personal letter to the novel. Required texts will include an anthology, a biography, and novels and plays. There will be approximately 10 papers and quizzes.
- 50 (Spring term) **Topics: The Victorians** (Warde, Itzkowitz) Double course with History 50-01: Students must register for both courses. An examination of British society from the 1830s to 1900. Social, economic, intellectual and artistic aspects of the age will be considered through a reading of contemporary documents including, but not limited to, a wide range of literary works by both major and minor poets, novelists and essayists. The architecture, music, graphic arts, furnishings, amusements, religion and popular recreations of the period will be among the topics studied.
- 50 (Fall term) **Topics: The Quality of Urban Life: A Case Study of the Twin City Metropolitan Area** (Kane, Dodge) (Same as Political Science 50-03) An interdisciplinary analysis of the development of the Twin City seven-county region employing census data and literature from 1860 to 1970, tracing the frontier settlement, town stage, growth of the city, and emergence of the urban conglomerate. Literary data will be employed to study the perceptions of the urban dweller of the quality of urban life, that is, for example, at what range of total population, density or urban sprawl, might the qualities perceived change from positive to negative.
- 50 (Spring term) **Topics: Studies in Jane Austen, George Eliot and Doris Lessing** (Toth) An intensive examination of three novelists who have probed the questions of sex, selfhood and society in the so-called Great Tradition of the English realistic novel.
- 50 (Spring term) **Topics: Interactions** (Meister) Human beings in conflict with or in harmony with the natural world as seen in a variety of pieces of writing. Ecology will be one of the subjects explored, but the emphasis will be on the books and articles read as examples of good writing. Texts will include both poetry and prose, both imaginative and factual or real life experience. There will be approximately 10 papers and quizzes; some papers will draw on personal experience.
- 88 **Seminar: "To Act" in Drama and in Reality: "All the World's a Stage"** (Murray) We will study the relations between authentic human acts and acts that are pretended in some sense, between ordinary behavior and acting in a play, between real human existence and existence as a character embodied by an actor. What is "authentic" being or action? Do we *become* what we *pretend* to be? If we perform certain acts, will we come to have the emotions and ideas that go with that way of acting? What is "identity?" What does it mean to say humans act according to their "personality" or their "roles," or that they do or don't have "freedom" of action? These questions will be discussed in relation to selected plays by Shakespeare, Pirandello, and other playwrights who have offered insights into the relations between real life and the situation on a stage, between faces and masks. We will also study theories of the psychology and methods of acting to see how the actor's relations to a character may compare with our consciousness of and "control" of ourselves. And we will study some major contemporary ideas about identity, roles, personality and action in psychology, sociology and philosophy. The discussion should be especially interesting to advanced students in the social and behavioral sciences as well as in English, theatre and the other humanities. Permission of the instructor required. Fall term.
- 88 **Seminar: Story and Anti-Story** (Greenberg) A historical and critical analysis of the genre of the short story, with special emphasis on the development of the technical resources of the form from its earliest manifestations to its most recent experiments. Extensive readings of both short

stories themselves, over a broad range of historical periods and national literatures, and recent critical and theoretical studies in the genre, plus an opportunity for the interested students with some background in creative writing to experiment with the writing of short fiction. Several written analyses of individual stories, writers, fictional techniques, and critical approaches to be done for class presentation and discussion (fiction writers may present their own works for discussion during the latter half of the semester. Prerequisite: Junior or senior standing *or* English 30 (Classics of Modern Fiction) *or* English 34 (Introduction to Creative Writing) *or* permission of the instructor. Fall term.

- 88 **Seminar: The English Novel Since 1940** (Bernstein) A study of the major English novels since 1940, combined with an attempt to explore changes in the form of the novel during this period. Writers to be considered include Joyce Cary, Graham Greene, Doris Lessing, Alan Sillitoe, Lawrence Durrell, Muriel Spark, Iris Murdoch, Angus Wilson and Malcolm Lowry. Spring term.
- 88 **Jane Austen** (Baer) A study of Jane Austen's six novels in their biographical, literary and cultural setting, and a survey of the critical response to her fiction in the 20th century. Spring term.

Courses Not Offered 1975-76

- 29 **Modern Literature in Translation**
33 **Advanced Rhetoric**
54 **Afro-American Literature**
60 **Old and Middle English Literature**
66 **The Victorian Period** (In the spring there will be a topics course in Victorian culture.)
75 **English Drama to 1642**

French

Charles Johnson, Philip Lee, Helene Peters, Karl Sandberg (Chairman, on leave fall term), Virginia Schubert, Barbara Young

No Changes

Geography

David Lanegan, Gerald Pitzl, Staff

The department of geography seeks to provide students with the knowledge and skills that will enable them to begin careers in urban or regional planning, location and market analysis, environmental management or analysis, and graphic communication through classroom and laboratory activities as well as internship experiences. In addition, the department offers courses that intend to convey meaningful knowledge of peoples in their different physical surroundings. The department participates in several interdisciplinary programs. (See East Asian Studies, Environmental Studies, International Studies and Urban Studies.)

General Graduation Requirements

All courses but Geography 25, 26 and 55 may be used to fulfill the general graduation requirements in social science. However, Geography 11 best serves the general educational needs of students and is required as a preparation for upper division courses except for 52 which has no prerequisite. Students certifying in social science education should take Geography 11.

Major Concentration

Each student is expected to design his or her own major or core program in consultation with a member of the faculty. A major program must contain at least seven geography courses and must include Geography 11, 25, 26, 41, one regional course, a field research course and senior seminar. In addition, a facility in a foreign language or quantitative methods (whichever is appropriate to a student's interests) is expected.

The department offers three major types of programs: urban and regional planning, environmental management and international studies. Suggested course sequences and material on internship experiences are available from departmental advisers.

Whenever possible students are urged to avail themselves of the various opportunities offered by the College for study abroad or elsewhere in the United States.

Core Concentration

A core concentration in geography consists of six courses in geography which must include Geography 11, unless the student is excused by the chairman of the department, and six complementary courses selected by the student in consultation with the adviser and in consideration of his or her vocational goals.

Honors are available in the geography department through the college-wide honors program.

Further Preparation

To meet requirements for graduate study, a student with a major or a core concentration in geography should select supplementary courses from the social sciences, the natural sciences, and the humanities and fine arts in consultation with the department adviser.

New Courses

- 50 **Topics: Introductory Land Use Planning.** This course will be taught by a professional planner and will examine the history of planning, planning law, the zoning process, environmental planning and planning process in the next decade. No prerequisite. Fall term.
- 50 **Topics: Introductory Urban Design: The Architectural Viewpoint** This course will be taught by a practicing architect and will cover elements of design, analysis of space and criticism of buildings. Students will do both individual and group projects. Because this is a Five-College course, space will be severely limited. Students with advanced standing in urban studies will be given priority. Spring term. Plus field work to be arranged.

- 97 **Community Involvement Programs Internships** Students work full-time with a Twin Cities community organization, agency or business, learning particular skills, factual knowledge about "real world" operations and interpersonal communications. Internships individually designed around students' interests, college studies and career goals. Periodic seminars provide discussion-sharing of topics related to interns' experiences and the relationship of academic theories to practical application. Limited enrollment. Application through Colleen Nunn, CIP, U114. Advance planning necessary. Fall and spring terms.

Geology

Henry Lepp (Chairman), David Southwick, Gerald Webers

Courses Not Offered 1975-76

- 61 **Geomorphology**
65 **Petrology**

Germanic Languages and Literatures

Evelyn Albinson, Richard Clark, R. Ellis Dye, Otto Sorensen (Chairman), Franz Westemeier

As a specific application of College provisions for credit by examination (1974-75 Macalester College Bulletin, p. 23) the department of Germanic languages and literatures will award credit for German 12 (second semester Elementary German), beginning with the 1975-76 academic year, to any student who, based on performance in a departmentally-approved placement examination, places in German 31 or any higher course.

New Courses

- 19,
20 **Elementary Norwegian** (Holtz) Essentials of Norwegian grammar, conversation and graded readings. Four hours per week plus assignments in the language laboratory. Fall term.
- 41 **Danish Composition and Conversation** (Sorensen) Concentration on pronunciation, aural-oral proficiency and written exercises of gradually increasing difficulty. Prerequisite: one year of college Danish or its equivalent. Four hours per week. Fall term.

Change in Course Number

- 13,
14 **Elementary Danish** (from Danish 11 and 12)
17,
18 **Elementary Netherlandic** (from Netherlandic 11 and 12)

History

Jerry Fisher, David Itzkowitz, Emily Rosenberg, Norman Rosenberg, Ernest Sandeen, Paul Solon, James Stewart (Chairman), Peter Weisensel

New Courses

Introductory Courses (These courses are designed to meet the needs of students who have no previous collegiate experience with the study of history.)

- 24 **Introduction to American Studies** (Sandeen) A thematic introduction to American history which utilizes art, architecture and novels as well as traditionally conceived historical sources.
- 26 **Native American History: A Survey** (Staff) A survey of Native American history from early man to modern times. The course will focus mainly upon Native American societies on the North American continent. Special emphasis will be given to interaction among Native American tribes; interaction between Native Americans and whites; the development of federal Native American policy and its impact. Attention also will be given to persistence, change and adaptation in Native American cultures to contemporary social conditions.

Intermediate Courses (These courses assume previous college level history experience, but not necessarily in the same field. Any specific prerequisites are at the discretion of the individual instructor.)

- 58 **The Origins of Modern Legal Systems** (Solon) A survey of the origins of the European Nation-State system focusing on such issues as the development of the coercive state, the evolution of international law, the growth of parliamentary government and the common law in England, church history, and the development of the ideal of constitutional government.
- 60 **The Experience of War** (Solon) A study of the origins, conduct and legacy of war taught on a comparative basis through scholarly and artistic sources as well as primary documents. The course will focus on three major wars: The Peloponnesian Wars, the Hundred Years' War and the wars of 20th century Europe.
- 63 **History of the American South** (Stewart) A topical and chronological study of the American South from colonial times to the present, with emphasis on slavery and race relations, poor white folk cultures, southern violence, and evolutions in social and economic life.
- 64 **The Black Experience since World War II** (El-Kati) Survey of the major political social events in African-American life: Post-war dynamics in America, the impact of the civil rights movement, the visibility of the ghetto etc., are major themes.
- 66 **History of Sex Roles and Family** (E. Rosenberg) A historical survey of attitudes toward male and female sexual roles

and of changes in family structure, considering differences among social classes and ethnic groups.

- 68 **Dakota and Ojibwa History** (Staff) A survey of Native American history in the Upper Midwest region from early man to modern times. Primary attention will be given to the Dakota and Ojibwa, especially in Minnesota. Persistence, change and adaptation in Native American cultures to contemporary social conditions will be studied.
- 80 **Historiography** (Staff) A study of the nature and history of historical studies and its relation to other disciplines.

Advanced Courses (These courses are intended to be small seminars or independent study projects for students well prepared for special work on selected topics.)

- 90 **Special Advanced Studies** (Staff)

Change in Course Description and/or Title

- 10 **Europe to 1789** (from *Western Civilization to 1789*)
- 11 **Europe Since 1789** (from *Modern Western Civilization*)
- 14 **East Asian History** (from *Introduction to East Asia*)
- 56 **Socio-Economic History of Pre-Industrial Europe** (from *Social and Economic History of the West Prior to the Industrial Revolution*)
- 57 **Social History of the West Since Industrialization** (from *Social and Economic History of the West After the Industrial Revolution*)
- 61 **American Social and Intellectual History** (Sandeem) A series of courses covering the history of American thought in its social context. Taught in regular rotation every two years: 1600-1800, 1800-1870, 1870-1914, 1920-1963.
- 62 **Studies in U.S. Society and Politics to 1900** (from *Periods in American Politics and Reform to 1890*)
- 65 **Studies in 20th Century U.S. History** (N. or E. Rosenberg) This course will cover certain topics or chronological periods in 20th century U.S. history. Popular culture, economic history, the Progressive Era, the 1920s and New Deal, and the postwar era are some of the variations of this course.
- 67 **Studies in U.S. Foreign Relations** (E. or N. Rosenberg) This course will cover topics such as principles of U.S.A. foreign policy, the growth of formal and informal empire, the development of trade and investment, the response to war and revolution.
- 69 **Greece** (from *The History of Greece*)
- 70 **Rome** (from *The History of Rome*)
- 72 **French Revolution** (from *French Revolution and Napoleon*)
- 76 **Germany to 1870** (from *Germany 1500-1870*)
- 77 **Germany Since 1879** (from *Germany Since 1870*)
- 78 **Tudor-Stuart England** (Itzkowitz) A survey of English life, politics and society in the days of the Tudor and Stuart monarchs. The course will focus on a number of major themes including the emergence of the English nation; the

struggle between royal and parliamentary authority; the English roots of the American tradition, and the relation of social structure, religious belief and political action.

- 79 **Modern Britain** (Itzkowitz) The development of English politics and society from the time of George III to the 20th century. Among the topics to be considered are: the transition from rural to urban society; the American Revolution; the rise and decline of Britain as world leader; Victorian and Edwardian society; England and Ireland; the future of Britain in the modern world.

Cancelled Courses

- 15 **Islamic Civilization**
- 16 **Indian Civilization**
- 17 **The Study of History**
- 52 **The Middle East**
- 55 **Africa**
- 58 **Political and Institutional History of Medieval Europe**
- 73 **Modern France**

Journalism

George Moses (Chairman)

Change in Course Description

- 57 **News Reporting and Writing** Basic techniques in straight news, feature, interpretive stories. Includes basics of copy editing and headline writing. Fall term.

Mathematics

Murray Braden, Allan Kirch, Joseph Konhauser (Chairman), Jean Probst, A. Wayne Roberts, John Schue

Requirement

The elementary statistics course, Math 14, is now required of students formerly required to take either Psychology 30 or Sociology 25. Note the prerequisites for this course.

Typical beginning sequences in the department

For students whose background is weak, but who wish to take either a statistics course or to acquaint themselves with aspects of calculus used in certain of the social sciences, possible sequences are 10-14, 10-19 or 10-19-51.

For the mathematics or science major (who may be able to skip several of the first courses listed), 11-19-22-31-57-58 is the proper sequence.

The department continues to recommend Math 15 as the course to be taken by the non-science major who wishes to know, in the spirit of a liberal arts education, something about the content and spirit of mathematics.

New Courses

- 10 Basic Algebra** A summary of basic algebraic techniques including manipulation of fractions, exponents, factoring, and the solution of polynomial equations and inequalities. Students needing algebra should take Math 11 unless their mathematics is particularly weak. Students may not receive credit in both Math 10 and Math 11, and may not receive credit by examination. This course **does not** fulfill the graduation requirement in natural science and mathematics. It should only be taken by students who intend to go on to either Math 14 or 19, but who do not intend to take Math 22 (since Math 22 requires an understanding of trigonometry). Fall term.
- 31 Multi-Variable Calculus and Differential Equations** Solid analytic geometry, partial derivatives, multiple integrals and an introduction to differential equations. Prerequisite: Math 22. Fall and spring terms.
- 57 Basic Analysis** Theorems for continuous functions, infinite series, power series, uniform convergence, Riemann integral. Prerequisite: Math 31. Spring term.

Change in Course Description and/or Title

- 11 Algebra and Trigonometry (from Basic College Mathematics)** Since Math 10 has been added, less time will be spent in review of basic algebraic techniques. This course **does not** fulfill the graduation requirements in natural science and mathematics. While Math 10 will provide the minimal essential background for both Math 14 and 19, Math 11 will provide a more thorough preparation and it will enable the student eventually to go on to Math 22. No credit for those who have credit in Math 10; no credit by examination. Fall and spring terms.
- 14 Introduction to Statistics** This course is now required of those students formerly required to take either Psychology 30 or Sociology 25. As an aid to correct placement, students intending to enter this course should satisfy **one** of the following. 1) Attain a satisfactory score on the placement test; 2) Satisfactorily complete Math 10; 3) Obtain consent of the instructor based on high school record. Fall term.
- 19 Introductory Calculus (from Calculus for the Social and Behavioral Sciences)** The course now becomes the introductory calculus course for all students, but it continues to serve those social science students who only want a one-semester self-contained introduction to the methods of calculus. It is an intuitive introduction to the differential calculus of one or several variables and the integral calculus for one variable. Prerequisite: Math 10 or 11, or satisfactory score on the Qualifying Examination. Fall and spring terms.
- 22 Calculus** Study of the differentiation and integration of functions of a real variable with applications in geometry and the sciences. Some of the theoretical foundations to beginning calculus formerly treated in Math 21 will be

included in this course, and the topic of infinite series will be omitted. Prerequisite: Math 19 or Qualifying Examination. Fall and spring terms.

- 58 Applied Analysis (from Advanced Calculus for Applications)** Ordinary and partial differential equations, Fourier series and integrals, boundary-value problems, special functions, coordinate transformations, vector analysis. Prerequisite: Math 57. Fall term.

Cancelled Courses

- 21 Analytic Geometry and Calculus** Those having no knowledge of calculus now begin their study of the subject with Math 19. Those who have been introduced to the subject in high school may begin with Math 22; note the prerequisites to that course.
- 33 Linear Analysis**
- 34 Intermediate Calculus**
- 84 Theory of Function of a Real Variable**
- 84 Theory of Functions of a Real Variable (Course II)**

Music

Donald Betts, Edouard Forner, Harry Hammer (Chairman, on leave spring term), Alvin King, Lucy Lange, Luther Stripling, Dale Warland

Macalester will pay for applied music lesson fees on the major instrument for all music majors in residence as such. This can possibly begin as early as the second semester freshman year.

Major Concentration

a. and b.: Music 52 replaces Music 54 as a required course.

New Course

- 219,**
- 220 Macalester Opera Workshop** A selected group of singers, instrumentalists and production technique people will get regular ensemble credit. Presentation of fully-staged opera or set of short operas. Spring term.

Change in Course Description and/or Title

- 82 Counterpoint (from Modal Counterpoint)**
- 84 Introduction to Electronic Music (from Experimental Music)** Study and analysis of electronic music from its earliest development to the present. Course will include techniques of tape manipulation as well as the uses of an electronic synthesizer. Prerequisite, permission of the instructor. This course is a prerequisite for students wishing to do independent work in composition using the electronic synthesizer. In this case, students must have completed Theory I, II and III *before* taking this course.

Change in Course Number

- 81 Advanced Conducting – Instrumental (from 90)**
- 82 Counterpoint (from 91)**

- 83 **Orchestration (from 92)**
 84 **Introduction to Electronic Music (from 93, Experimental Music)**

Cancelled Course

- 219,
 220 **Vocal Ensemble Techniques**

Philosophy

Alston Chase, Martin Gunderson, Russell Trenholme, Henry West (Chairman), David White

The principal endeavor of the philosophy department is to develop in students the ability to analyze and evaluate basic concepts of human knowledge and moral action, as well as concepts from the humanities, social and natural sciences. To realize this goal, the department offers courses and seminars exploring both Western and Asian modes of philosophical analysis. In recognition of the special interests and requirements of students interested in non-Western philosophy, and in the philosophy of science, the department offers majors in these areas in addition to the usual major which encompasses the core of the Western philosophic tradition. Philosophy lends itself to a variety of interdepartmental concentrations and should appeal to those students who, although specializing in some other subject, wish to broaden their critical understanding of the basic concepts and presuppositions of that subject. A major or core concentration in philosophy thus provides a foundation for careers in teaching, science, law, religion and almost any other area in which the modes of critical analysis and precise expression emphasized by the department are required.

Major Concentration

A major in philosophy consists of eight departmental courses, including:

- Philosophy 31 (Foundations of Modern Philosophy)
- Either Philosophy 30 (Ancient and Medieval Philosophy) or Philosophy 32 (Recent Philosophy)
- Philosophy 40 (Introduction to Logic and the Philosophy of Science)
- Philosophy 25 (Ethics)
- Either Philosophy 65 (Theory of Knowledge) or Philosophy 66 (Metaphysics)
- Two advanced courses or seminars, including Philosophy 88

In addition, supporting courses are required as follows: Two courses in a single science or mathematics; or Chemistry 13. Reading competence in some language other than English is also required.

A major in the philosophy of science consists of a core concentration in one of the sciences, social sciences or mathematics, reading competence in some language other than English, and seven departmental courses, including the following:

- Either Philosophy 31 (Foundations of Modern Philosophy) or Philosophy 32 (Recent Philosophy)

- Philosophy 40 (Introduction to Logic and Philosophy of Science)
- Either Philosophy 65 (Theory of Knowledge) or Philosophy 66 (Metaphysics)
- Philosophy 86 (Philosophy of Science)
- Three courses or seminars, including an independent project in the philosophy of the particular science for which the core is offered, and Philosophy 88.

A major in Asian philosophy consists of the following seven departmental courses:

- Either Philosophy 30 (Ancient and Medieval Philosophy) or Philosophy 31 (Foundations of Philosophy) or Philosophy 32 (Recent Philosophy)
- Philosophy 40 (Introduction to Logic and Philosophy of Science)
- Philosophy 36 (Indian Philosophies)
- Philosophy 37 (Chinese and Japanese Philosophies)
- Philosophy 85 (Philosophy of Religion)
- Either Philosophy 66 (Metaphysics) or Philosophy 65 (Theory of Knowledge)
- Philosophy 88 (seminar on the Bhagavad Gita) or an independent project on either Hindu systems or Buddhist systems.

In addition, the following supporting courses are required:

- History 14 (Introduction to East Asia) or the ACM semester in India or Japan
- Anthropology 68 (Anthropology of Religion) or Anthropology 86 (Social Anthropology)
- Religion 24 (Survey of Asian Religion) or Religion 28 (Types of Religious Expression) or Religion 65 (The Buddhist Faith and Tradition)
- Art 76 (Oriental Art) or Humanities 65 (The Oriental World)

Reading knowledge of some language other than English is also required.

Core Concentration

Six courses in philosophy normally including:

- Philosophy 31 (Foundations of Philosophy)
- Philosophy 40 (Introduction to Logic and Philosophy of Science)
- Philosophy 88 (seminar)
- Either Philosophy 25 (Ethics) or Philosophy 65 (Theory of Knowledge) or Philosophy 66 (Metaphysics)

It is expected that the student will design a core program with concentrations in philosophy and one or more other departments in support of his philosophical interests. For example, a student primarily interested in the philosophy of law might offer the following philosophy courses as part of a core concentration: Philosophy 31, 40, 98, 25, 34 and 50 (Philosophy of Law).

Senior Comprehensive Examinations

Majors in philosophy must take a three-part examination consisting of a section on the theory of knowledge and metaphysics, a section on ethics and aesthetics, and a section on the history of

philosophy. Majors in the philosophy of science will take the epistemology and metaphysics section of the comprehensive examination, and an examination on the philosophy of science, and will submit a written paper on their particular area of competence.

Students majoring in Asian philosophy must take one of the three sections of the examination required for philosophy majors, an examination on Asian philosophy, and must submit a written paper of high quality in the area of Asian philosophy. Core students need only take two sections of the comprehensive examination. Students who have taken sufficient course work in one of the areas of the comprehensive examination for philosophy majors are encouraged to submit a senior paper considered meritorious by the department to satisfy that section of the examination.

New Courses

- 50 Topics: Philosophy of Law** (Gunderson) Philosophy of law is primarily concerned with analyzing fundamental legal concepts and justifying various legal practices. The following is a list of some of the questions with which the course will deal: What is criminal responsibility? What is the rationale for the distinction between criminal law and civil law? To what extent should the accused's mental state be considered in assigning guilt or punishment? What, if any, justification can be given for punishment? What is it to have a right? What is the relationship between law and morality?
- 50 Topics: Philosophy of Social Science** (Trenholme) Selected problems relating to the nature of explanation, theory formation and testing in the social sciences.
- 50 Topics: Philosophy of Socialism** (West) An examination of writings in the socialist tradition including Marxists and non-Marxists, Utopians and Anarchists. An attempt will be made to understand the philosophies of human nature and of society underlying specific social programs. Students are required to enroll in History 50, History of Socialism, concurrently.

Change in Course Description

- 15 Problems of Philosophy** (Chase, Gunderson, Trenholme) Three varieties of this introductory course will be offered in 1975-76:
- 15 Philosophy and Science** (Trenholme) The existence and nature of material objects, the nature of space and time, and the nature of the human mind are some of the topics of this course, which we will investigate from the viewpoint of modern science.
- 15 Philosophical Analysis** (Gunderson) The methods of doing philosophy. The emphasis of this course will be on the ana-

lysis of arguments and concepts and the careful reading of philosophical texts. The course will aim at developing skills of analysis such as detecting hidden premises, inconsistencies and ambiguities.

- 15 Classical Texts and Problems** (Chase) This course deals with basic issues found in classical philosophical writings, such as the problems of truth and knowledge, mind and body, freedom and determinism, right and wrong, and the existence of God.

Physical Education

John Bachman, Douglas Bolstorff, Sheila Brewer, Donald Hudson, Andrew Jugan, Ralph Lundeen, Margaret Maddux, Patricia Wiesner (Chairman)

The department of physical education fulfills a multiple role in Macalester's educational program. The academic program provides an opportunity for the study of kinesiology. Students may be certified for coaching. The activity program provides an opportunity for students to gain an understanding of the role of physical activity as it relates to their functional fitness, provides an opportunity for the acquisition of physical activity skills for the worthwhile use of leisure time, and provides an opportunity for the development and maintenance of an optimum level of personal functional fitness. The intramural and recreations programs provide an opportunity for all students to participate in activities of their choice in a variety of organized and unorganized settings. The intercollegiate athletic programs offer students opportunity to participate on varsity athletic teams.

Coaching Certification

Students wishing to certify for coaching in the public schools may gain needed qualifications by successfully completing P.E. 61, 62, 71 and 72 and complementary achievement in officiating, skill performance and coaching.

Activity Program

Students may elect to enroll in the activities program for credit or no credit. A course unit of credit counting toward the 31 courses required for graduation may be acquired by successfully completing four terms (not necessarily consecutive) of physical education activities classes. One of the four successfully completed offerings in the credit series must be P.E. 101, Physical Fitness. Grading of all activities courses will be on an S-D-NC basis. An S grade in each of the four activities courses in the credit series is necessary if these courses are to be counted together as one course unit. Text materials may be used. Evaluation will include both written and performance examinations when appropriate. In cases of sequences of activities courses of the same kind, such as the three courses in beginning, intermediate and advanced tennis, a student will be placed by the department at the appropriate level. An activity course(s) may be taken in addition to a student's four academic courses at no additional charge.

Athletics

Opportunity for men to participate in 10 varsity sports - football, soccer, cross country, basketball, hockey, swimming, track (indoor and outdoor), baseball, tennis and golf. Members MIAC - NAIA, NCAA athletic associations.

Opportunity for women to participate in five varsity sports - volleyball, swimming, basketball, tennis and track (indoor and outdoor). Members MAIAW, Region Six and AIAW athletic associations.

Facilities include football stadium with eight-lane tartan running track, five indoor tennis courts, two indoor running tracks, weight room and athletic training facilities.

Intramural Activity Cancellations

Men's, Women's Team Handball

Men's Wrestling

Change in Course Description and/or Title

- 61 **Psychological and Sociological Kinesiology** (Bachman, Bolstorff) The psychological and sociological aspects of human movement will be studied with emphasis on their influence in learning and performing skilled movement. Second half of the course is devoted to philosophy of coaching and athletics. Basic elements of administration of athletic programs are discussed. Fall term, odd years.
- 62 **Mechanical Kinesiology (from Anatomical and Mechanical Kinesiology)** (Bachman) Physical principles and analysis are stressed as they apply to basic anatomical and mechanical interpretation of kinesiology. An introduction to approaches for motion analysis and data reduction is provided. Second half of course provides for in-depth study of coaching techniques of two activities. Spring term.
- 71 **Physiological Kinesiology** (Bachman) No prerequisite. Spring term.
- 72 **Medical Kinesiology** (Bolstorff, Brewer) Study of human anatomy with emphasis on the skeletal, muscular systems and joint structure and function. This knowledge is then applied in the study of care, prevention and rehabilitation of athletic injuries and first aid. Fall term, even years.

Activity Course Additions

- 116 Paddleball-Raquet ball
140 Skiing and Ski Touring
235 Sailing
314 Advanced Volleyball

Activity Course Cancellations

- 128 Beginning Bowling
130 Beginning Skiing
235 Scuba Diving
334 Synchronized Swimming

Physics and Astronomy

Russell Hastings, Sung Kyu Kim, Raymond Mikkelson, James Roberts, Sherman Schultz, Edward Strait (Chairman)

New Course

- 50 **Nuclear Energy, Its Physics and International Implications** (Roberts) Nuclear energy, as released through the fission process, is the only major new source of energy that is technically feasible now and in the immediate future. The possible benefits and risks of its expected large scale use will be explored, with some emphasis on the implications to the third world. Prerequisite: junior standing or consent of instructor. Six hours per week. First seven weeks, spring term.

Change in Course Description

- 25 **Introductory Modern Physics** (Mikkelson) This course is designed for entering students who are considering the possibility of studying physics in some depth during their college careers. It assumes a high school level background in physics and builds on this background as it considers the topics which are at the heart of modern physics: 1) space, time and cosmology, as described by the theories of special and general relativity; 2) atomic properties, as described by the wave theory of matter and quantum mechanics, and 3) nuclear and elementary particle properties, as they are currently understood. Through the use of analogies, pictorial and graphical representations, and a reliance on experimental results, these fascinating areas are discussed on a level that is accessible to science-oriented students who may not have a background in calculus. An introduction to computer use is an integral part of the laboratory portion of this course. Three lectures, one two-hour laboratory per week. Fall term.
- 50 **Intermediate Modern Physics** Relativity, quantum theory, atomic structure, solid state, nuclear structure, elementary particles. The course is designed for students who desire a moderately sophisticated acquaintance with the foundations of modern physics. In addition to the theoretical treatment of the topics there will be laboratory exercises which recreate the spirit and excitement of the pioneering experiments. Prerequisites: Physics 21 or 26, 22 or 27, and Mathematics 22. Three lectures, two-hour laboratory per week. Fall term.

Cancelled Courses

- 50 **Nuclear Energy: Its Physics and Its Social Challenge**
50 **Science and Technical Education in the Developing Countries**

Political Science

Duncan Baird, Roger Banks, Roger Brooks, Dorothy Dodge (Chairperson), Charles Green, G. Theodore Mitau

New Course

- 97 **Community Involvement Programs Internships** Students work full-time with a Twin Cities community organization, agency or business, learning particular skills, factual knowledge about "real world" operations and interpersonal communications. Internships individually designed around students' interests, college studies and career goals. Periodic seminars provide discussion-sharing of topics related to interns' experiences and the relationship of academic theories to practical application. Limited enrollment. Application through Colleen Nunn, CIP, U114. Advance planning necessary. Fall and spring terms.

Change in Course Description and/or Title

- 32 **Policy Administration** (Baird, Dodge) Using data on the Minneapolis-St. Paul metropolitan area and other urban areas, the course combines empirical and legal methods to acquaint the student with urban problems and methods of analysis. It is intended that urban planning will form a significant core of the course, providing exposure to administrative procedures, processes and methods, including quantitative skills. Spring term.
- 37 **Cross-National Urban Policy** (Dodge) The course centers on urban growth rates and spatial density patterns and their resultant or related political and social problems. The student should complete the course with knowledge of world urban patterns and varying political responses. Not offered 1975-76.
- 79 **Comparative Political Development (from Comparative Political Change)** (Dodge) Emphasis on Third World problems of political modernization, social movements, establishment of political authority and revolution. Theories of political development will be examined using quantitative data and statistical analyses. Spring term.

Courses Not Offered 1975-76

- 37 **Cross-National Urban Policy**
56 **Political Communications Theory**

Psychology

Raymond Johnson, Lynda LaBounty, Walter Mink, Jack Rossmann, Charles Torrey (Chairman), Gerald Weiss, Hans Wendt

New Courses

- 32 **Methods of Experimental Psychology** (LaBounty) Covers a range of topics relevant to psychological research, including the preparation of literature reviews, experimental design, the execution of experiments, elementary data analy-

sis and the writing of scientific research reports. Laboratory work is involved. Prerequisite: Psychology 30. Fall and spring terms.

- 97 **Community Involvement Programs Internships** Students work full-time with a Twin Cities community organization, agency or business, learning particular skills, factual knowledge about "real world" operations and interpersonal communications. Internships individually designed around students' interests, college studies and career goals. Periodic seminars provide discussion-sharing of topics related to interns' experiences and the relationship of academic theories to practical application. Limited enrollment. Application through Colleen Nunn, CIP, U114. Advance planning necessary. Fall and spring terms.

Change in Course Description

- 30 **Methods in Psychological Research** (LaBounty) An introduction to statistical methods in psychology. In 1975-76, students must register for Math 14 instead of Psychology 30. Fall and spring terms.

Religious Studies

John Butt, David Hopper (Chairman), Calvin Roetzel (on leave spring term)

Addition to Course Description

- 65 **The Buddhist Faith and Tradition** (Butt) Students are encouraged to take Philosophy 36 in conjunction with this course, though this is optional.

Courses Not Offered 1975-76

- 28 **Types of Religious Expression: An Introduction to the Comparative Study of Religion**
30 **The History and Theology of the Old Testament**
31 **The History and Theology of the New Testament**
63 **The History of Christianity**
67 **Christian Ethics**

Slavic Languages and Literatures

Alexander Guss (Chairman)

Major Concentration

Russian 63 and 64 are no longer required for a major. Russian 76 and 83, with special assignment of reading in Russian and a final paper in Russian, are now required for a major.

Courses Omitted from 1974-75 Catalog

- 11,
12 **Elementary Russian** An introduction to the reading, writing and speaking of the language.

- 61 Intermediate Conversation** Prerequisite: Russian 32 or 41 or approval of instructor.

Cancelled Courses

- 63,
64 A Survey of Russian Literature in the Russian Language

Sociology and Anthropology

Judith Erickson, William Hoffman, David McCurdy (Chairman), Jeffrey Nash, Irwin Rinder (on leave fall term), Michael Rynkiewicz, James Spradley (on leave fall term), William Swain, Doris Wilkinson

Major Concentrations

The department offers two majors, one in sociology and one in anthropology. Courses in each should be selected in consultation with the student's adviser.

Sociology major: A major in sociology consists of eight courses including Sociology 20. Topics (50) and independent study (95,96,97,98) may not be counted among the eight courses for the major without departmental permission. Students planning to major are strongly advised to take courses 25,64,70,71 and either 72 or 84. A major program should also include one B-type or independent study course.

Anthropology major: A major in anthropology consists of eight courses including Anthropology 21. Majors must take Anthropology 30 and complete a senior project (Anthropology 88).

Core Concentration

Six courses in either Sociology or Anthropology (exclusive of Sociology 74 and 84) together with six chosen by the student from outside the department constitute a core concentration. The pattern of courses is to be designed by students in consultation with their advisers. We strongly recommend that a core in sociology includes Sociology 20 and two of the following: 25, 64, 70, 71, 72, 84. Students should be prepared to provide rationales for their selections in terms of the internal consistency of their proposed course patterns.

Honors are available in the sociology department through the college wide honors program.

Pre-Professional Social Welfare Work

The two pre-professional social work courses are 74 and 84 (not 86).

New Courses – Sociology

- 70 Data Gathering** Problems of research design; sampling; field work problems in the use of current instruments and techniques, with emphasis on survey methodology; theory-building in relation to empirical research. Prerequisite:

Math 14 or an introductory statistics course. Students must also register for Sociology 71.

- 71 Data Analysis** Introduction to selected non-parametric techniques; bivariate and multivariate analysis; introduction to the use of "canned" computer programs; writing research reports. Prerequisite: Sociology 70; students must register for both Sociology 70 and 71.

New Course – Sociology and Anthropology

- 97 Community Involvement Programs Internships** Students work full-time with a Twin Cities community organization, agency or business, learning particular skills, factual knowledge about "real world" operations and interpersonal communications. Internships individually designed around students' interests, college studies and career goals. Periodic seminars provide discussion-sharing of topics related to interns' experiences and the relationship of academic theories to practical application. Limited enrollment. Application through Colleen Nunn, CIP, U114. Advance planning necessary. Fall and spring terms.

Change in Course Title – Sociology

- 20 Analysis of Society (from Introduction to Sociology)**
64 Modes of Sociological Thinking (from Development of Sociology 70)

Change in Course Number – Sociology

- 64 Modes of Sociological Thinking (from Development of Sociology 70)**
81 Social Structure and Violence (from 82)
82 Social Psychology – A (from 84)
83 Social Psychology – B (from 85)
84 Individual in Welfare Systems (from 86)
85 The Sociology of Medicine (from 87)
86 The Sociology of Behavioral Disorders (from 88)

Change in Course Number – Anthropology

- 89 Culture and Cognition (from 88)**

Cancelled Courses – Sociology

- 25 Social Statistics** Material is covered in Math 14.
30 Sociology of Law Violation
71 Methodology of Sociology Replaced by Data Gathering (70) and Data Analysis (71)

Spanish

Donald Fabian (Chairman), Robert Dasset, Maria Doleman

New Courses

- 15 Elementary Conversational Spanish (Doleman)** Concentrated aural-oral practice in the most necessary forms of the

spoken language for use in traveling, living or working in the Spanish speaking countries. Very little attention will be given to reading and writing. Students with a basic oral facility in Spanish should register for Spanish 31, 32 or 51. Spring term.

- 52 **Grammar Review and Writing** (Doleman) Developing skills of writing through a close study of advanced grammar. Writing will include: compositions, letters, newspaper or magazine articles and creative writing. Prerequisite: Spanish 32 or equivalent. Spring term.

Courses Not Offered 1975-76

- 62 **Survey of Spanish Literature**
72 **Syntax and Advanced Grammar**

Speech Communication and Dramatic Arts

Douglas P. Hatfield, Roger K. Mosvick (Chairman), Scott Nobles, Michael Stano, Jeffrey Thomson, M. Glen Wilson

Major Program in Theatre

Majors are required to participate in the Senior Seminar during the fall semester of their senior year.

New Courses

- 50 **Topics: Intercultural Communication** (Stano) The study of the communication patterns and problems between different cultural, sub-cultural, racial and ethnic groups. Special attention is paid to the clash of values, norms and expectations as they are expressed in linguistic and non-verbal behavior. Guest lectures from and discussion with individuals representing diverse cultural backgrounds will be part of the course. Spring term.
- 56 **Legal Communication** (Nobles) The study of the role of communication in American legal institutions. The course includes analysis of communicative behavior of lawyers, judges, clients and juries. Processes studied include conference, interviews, bargaining, advocacy, jury deliberation and decision writing. Spring term.

Change in Course Description and/or Title

- 25 **Principles of Argument (from Argumentation)** (Nobles, Stano) A study of adaptation of logic and evidence to rational decision making and to effective advocacy. Fall term, first seven weeks.
- 38 **Persuasion** (Nobles) A study of motivation in decision making. Treats persuasive discourse from viewpoints of advocate, responder and societal impact. Fall term, second seven weeks.
- 60 **History and Criticism of American Public Address (from History and Criticism of American and British Public Address)**

- 66 **Advanced Acting** (Hatfield) Historic and contemporary acting theories and styles are studied and applied in performance. Prerequisite for majors: Speech 21 and 23. It is recommended but not required that non-majors also take these courses.

Courses Not Offered 1975-76

- 27 **Creative Dramatics**
31 **History of Costume and Make-up** Alternate years.
34 **History of Theatre II**
66 **Advanced Acting** Alternate years.

7-Week Courses

Art

- 30 **Drawing**
34 **Painting**
36 **Graphics**
66 **Design**
71 **Advanced Drawing**
71 **Advanced Painting**
73 **Advanced Graphics**

Biology

None

Chemistry

None

Classics

None

Economics and Business

- 23 **Basic Managerial Accounting**
50 **Topics: Business Law**

Education

- 40 **Educational Foundations**
50 **Topics: Educational Alternatives and Experiences**
50 **Topics: Beyond Masculinity**
50 **Topics: Practicum and Seminar in Early Childhood Education**
51 **Secondary Curriculum and Instruction**

- 52 Elementary Curriculum and Instruction: Reading, Children's Literature (Must be taken with:)
- 53 Elementary Curriculum and Instruction: Mathematics, Science, Health
- 64 Student Teaching (Secondary)
- 65 Student Teaching (Elementary)
- 66 Student Teaching (Kindergarten)
- 67 Student Teaching (Junior High)
- 82 School and Society

English

- 18 Literature and Writing: Murder on the Macalester Express
- 28 Twentieth Century Poetry: British and American
- 30 Classics of Modern Fiction
- 34 Creative Writing
- 50 Topics: Quality of Urban Life (Same as Political Science 50)
- 62 The Early 17th Century
- 72 Shakespeare
- 88 Seminar: "To Act" in Drama and in Reality

French

- 11 Elementary French
- 12 Elementary French II

Geography

- 25 Cartography
- 44 East Asia
- 52 Regions of North America

Geology

None

Germanic Languages and Literatures

None

History

- 23 American Civilization
- 50 Topics: Law and Society
- 50 Topics: Comparative World Revolution
- 64 The Black Experience since World War II
- 92 European Fascism

Journalism

None

Mathematics

- 10 Basic Algebra
- 11 Algebra and Trigonometry
- 14 Introduction to Statistics
- 15 Introduction to Computing
- 16 Mathematics – Its Content and Spirit

22

- 18 Finite Mathematics
- 19 Calculus for the Social and Behavioral Sciences

Music

None

Philosophy

- 15 Problems of Philosophy: Philosophical Analysis
- 25 Ethics
- 31 Philosophical Foundations
- 32 Recent Philosophy
- 36 Indian Philosophies
- 50 Topics: Philosophy of Law
- 50 Topics: Philosophy of Social Science
- 50 Topics: Philosophy of Socialism
- 65 Theory of Knowledge
- 88 Senior Seminar: Kant

Physical Education

- 117 Yoga
- 126 Beginning Golf

Physics and Astronomy

- 50 Topics: Nuclear Energy, Its Physics and International Implications

Political Science

- 18 American Politics
- 38 Comparative Legal Systems
- 44 Comparative Politics
- 50 Topics: Comparative Revolutions
- 50 Topics: Quality of Life
- 50 Topics: Methods
- 62 International Law
- 63 International Organization
- 66 Foreign Policy
- 82 Legislative Behavior
- 83 Administrative Behavior
- 86 International Theory

Psychology

- 10 Orientation to Psychology
- 50 Topics: Behavior Modification
- 55 Theories of Personality
- 61 Developmental Psychology: Infancy and Childhood
- 64 Behavior Disorders
- 66 Individual Differences
- 71 Learning
- 72 Cognitive Processes
- 73 Motivation, Emotion and Conflict

Religion

- 47 History and Myth in the Biblical Tradition

- 50 Topics: Thought of Tillich
- 50 Topics: New Movements
- 58 Science and Religion
- 66 20th Century Christian Thought

Slavic Languages and Literatures

None

Sociology and Anthropology

Sociology

- 20 Analysis of Society
- 50 Topics: Religion and Society
- 50 Topics: Culture of Deaf
- 63 Family
- 66 Urban Social Structures – A
- 68 The Changing Community – A
- 69 The Changing Community – B
- 70 Data Gathering
- 71 Data Analysis
- 72 Social Organization: Formal and Informal Systems
- 76 Social Deviancy
- 78 Institutions and Social Stratification
- 82 Social Structure and Violence

Anthropology

- 21 Cultural Anthropology
- 30 Ethnography
- 50 Topics: Anthropology of Law
- 52 Peoples and Cultures of the Pacific
- 60 Urban Anthropology
- 65 Political Anthropology – B
- 68 Anthropology of Religion
- 83 Social Anthropology – A
- 84 Social Anthropology – B
- 88 Senior Seminar

Spanish

- 51 Conversation

Speech Communication and Dramatic Arts

Speech Communication

- 11 Public Speaking
- 25 Argumentation
- 38 Persuasion

Interdisciplinary

Humanities

- 27 The Modern World – III

Linguistics

- 30 Ethnography (Same as Anthropology 30)

Scholarships, Loan Funds and Prizes

New Endowed Scholarships

The Charles and Ellora Alliss and the George and Wilma Leonard Endowed Minnesota Charter Scholarship Fund (1974). Established by the gifts of the Charles and Ellora Alliss Educational Foundation and George and Wilma Leonard, members of the Macalester Class of 1927, also supporting gifts from John S. Holl, Margaret Weyerhaeuser Harmon, Charles and Susan Thomas, Ray and Mary Johnson, and the Hoerner-Waldorf Company, for highly-qualified Minnesota students who may not be able to afford a private liberal arts education. Principal \$246,000.

Susan E. Kennedy Memorial Endowed Scholarship (1971). Established by family, fellow students and friends in memory of Susan, a sophomore at Macalester College at the time of her death. With preference to a pre-medical student. Principal \$1,618.

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†Appointed on or before May 22, 1975.

*Nominated by Alumni.

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Community Involvement Programs	Coordinator Coordinator	Helen Miller Colleen Nunn, B.A.
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Comptroller
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**Executive Director
of Development
and Alumni Affairs**

Alexander G. Hill, A.B. ('57)

Associate Director of Development
 and Deferred Gifts Specialist
 Grants Coordinator
 Grants Coordinator
 Coordinator of Special Events
 Associate Director of Alumni Affairs
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 Director of Publications
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 Mary M. Hill, B.A.
 Mary J. Hayden, B.A.
 Margaret L. Day, A.B. ('35)
 Sandra Hoffman, A.B. ('71)
 Nancy Rotenberry, A.B. ('54)
 Evelyn Cottle, B.A.
 Linda Gebhard, B.A.

†Appointed on or before May 22, 1975.

Presidents/Professors Emeriti

Presidents

Rev. Edward Duffield Neill,* D.D., 1874-1884
Rev. Thomas A. McCurdy,* D.D., 1884-1890
Rev. David James Burrell,* D.D., 1890-1891
Rev. Adam Weir Ringland,* D.D., 1892-1894
James Wallace,* Ph.D., LL.D., D.D., 1894-1906
Thomas Morey Hodgman,* LL.D., 1907-1917
Rev. Elmer Allen Bess,* D.D., 1918-1923
John Carey Acheson,* A.M., LL.D., 1924-1937
Charles Joseph Turck, A.M., LL.B., LL.D., 1939-1958
Harvey Mitchell Rice, A.M., Ph.D., L.H.D., 1958-1968
Arthur S. Flemming, A.B., M.A., J.D., 1968-1971
James A. Robinson, A.A., A.B., M.A., Ph.D., 1971-1974

*Deceased

New Professors Emeriti

(Dates in parentheses indicate years of first appointment at and official retirement from Macalester College.)

Hildegard Binder Johnson

Professor of Geography (1947-1975); M.A., University of Berlin, 1933; Ph.D., University of Berlin, 1934.

William Lawrence Thompson

Research Associate Professor of English Literature (1950-1975); B.A., University of Maine, 1934; M.A., University of Maine, 1936; Ph.D., Stanford University, 1946.

Faculty†

New Faculty

(Date in parentheses indicates year of first appointment at Macalester College.)

Roger Ware Banks

Instructor in Political Science (1974); B.A., University of New Mexico, 1968; M.A., University of New Mexico, 1970.

Gerald Vernon Dahling

Assistant Professor of Biology (1974); B.S., Winona State College, 1968; M.S., University of Minnesota, 1970; Ph.D., Harvard University, 1974.

David C. Itzkowitz

Assistant Professor of History (1974); B.A., Amherst College, 1965; M.A., Columbia University, 1966; Ph.D., Columbia University, 1972.

Jean Probst

Instructor in Mathematics (1950); B.A., Macalester College, 1949; M.A., University of Minnesota, 1973.

Michael E. Stano

Instructor in Speech (1973); B.A., University of Nevada, 1969; M.A., University of Colorado, 1970.

Gail Kristensen

Adjunct Assistant Professor of Art (1969); University of Minnesota.

Russell Shannon Trenholme

Assistant Professor of Philosophy (1974); B.A., New York University, 1961; Ph.D., Princeton University, 1974.

Mahmoud El-Kati

Instructor in History (1970); B.A., Wilberforce University, 1960.

Norman L. Rosenberg

Assistant Professor of History (1975); B.A., University of Nebraska, 1964; M.A., University of Nebraska, 1967; Ph.D., State University of New York at Stony Brook, 1972.

Barbara K. Young

Instructor in French (1967); B.A., McGill University, 1965; M.A., University of Toronto, 1967.

†Appointed on or before May 22, 1975.

Faculty Promotions

Judith Erickson

Assistant Professor of Sociology; Ph.D., University of Minnesota, 1974.

William Harley Henry

Associate Professor of English.

Charles R. Johnson

Assistant Professor of French; Ph.D., University of Arizona, 1974.

- Sung Kyu Kim**
Professor of Physics.
- David A. Lanegran**
Professor of Geography.
- David Earl Lindsey**
Associate Professor of Economics.
- Jean Lyle**
Associate Professor of Education and Director of Stella Louise Wood Children's Center.
- Raymond Charles Mikkelson**
Professor of Physics.
- David B. Sanford**
Director of the International Center; Lecturer in German.
- Albert Truman Schwartz**
Dean of Faculty, Associate Professor of Chemistry.
- David LeRoy Southwick**
Professor of Geology.
- Susan Toth**
Associate Professor of English.
- Gerald F. Webers**
Professor of Geology.
- Patricia Wiesner**
Professor of Physical Education.
- Doris Y. Wilkinson**
Professor of Sociology.

Enrollment Statistics

Registrations

Summer Session 1974		Total
First Term		414
Second Term		311
Fall Term 1974-75		Total
Degree Seeking Students	847	1716
Special Students	18	32
Total	865	1748
Spring Term 1974-75		Total
Degree Seeking Students	783	1599
Special Students	4	21
Total	787	1620
Candidates for Degrees, Class of 1975		375

Geographical Distribution – Fall Term 1974

	Number of Students	Percent of Student Body
Ramsey County	219	12.50
Hennepin County	234	13.38
Minnesota (Outside Twin Cities)	192	10.98
U.S. (Excluding Minnesota)	1064	60.87
Foreign Countries	39	2.27
Total	1748	100.00

Home States	Number of Students		
Alabama	4	New Hampshire	4
Arizona	3	New Jersey	26
California	24	New Mexico	4
Colorado	29	New York	74
Connecticut	24	North Carolina	5
Delaware	4	North Dakota	10
Florida	14	Ohio	66
Georgia	8	Oklahoma	3
Hawaii	6	Oregon	12
Idaho	2	Pennsylvania	54
Illinois	186	Rhode Island	4
Indiana	23	South Carolina	3
Iowa	52	South Dakota	20
Kansas	16	Tennessee	6
Kentucky	3	Texas	25
Louisiana	5	Utah	1
Maine	5	Vermont	5
Maryland	31	Virginia	11
Massachusetts	41	Washington	7
Michigan	20	West Virginia	1
Mississippi	1	Wisconsin	99
Missouri	59	Wyoming	2
Montana	15	District of Columbia	20
Nebraska	16	Total	1053

Home Countries	Number of Students
Brazil	1
Canada	1
Colombia	1
England	1
Germany	1
Ghana	1
India	2
Iran	4
Japan	3
Kenya	1
Malawi	1
Malaysia	11

Netherlands	2
Okinawa	1
Scotland	1
Sierra Leone	2
Sudan	2
Sweden	1
Taiwan	1
Thailand	1
Turkey	1
Zaire	1
<i>Total</i>	39

Class of 1975

Candidates for B.A. Degree by Department/Program <i>(continued)</i>		
Psychology		53
Religion		14
Russian		4
Social Science		1
Sociology and Anthropology		46
Anthropology	17	
Sociology	29	
Spanish		18
Speech and Dramatic Arts		18
Dramatic Arts	14	
Speech	4	
Urban Studies		6

Racial/Ethnic Background – Fall Term 1974

	Number of Students
White	1521
Black	170
Hispanic	27
Native American	25
Oriental	5
<i>Total</i>	1748

Students Overseas or in Other Countries for Study/Work During 1974-75

(includes fall/interim/spring terms, all-year and summer projects)

Project Base	Number of Students
Argentina	1
Austria	12
Brazil	1
Colombia	2
Costa Rica	8
Denmark	1
East Asia	1
England	14
Europe	19
France	12
Greece	7
Hawaii	10
Italy	3
Japan	2
Nepal	11
Norway	1
Russia	8
Scotland	6
Spain	1
Sweden	1
Thailand	2
World	1
<i>Total</i>	124

Class of 1975

Candidates for B.A. Degree by Department/Program (includes double majors)

Concentration	Number of Students
Art	20
Biology	49
Chemistry	17
Chinese and Japanese Languages and Cultures	2
Classics	6
Economics and Business	30
English	36
Environmental Studies	1
French	14
Geography	16
Geology	8
German	9
History	52
Humanities	5
Interdepartmental	12
Linguistics	9
Mathematics	9
Music	10
Philosophy	6
Physical Education	2
Physics and Astronomy	3
Political Science	42

1975-76 College Calendar

Fall Term 1975

August 29-September 3	Friday-Wednesday	New student orientation
September 2	Tuesday	Upperclass validation
September 3	Wednesday	Freshman registration
September 4	Thursday	Classes begin
September 11	Thursday	Deadline for adding a 7-week course and/or making a 7-week grading system change
September 11	Thursday	Last day to drop a 7-week course without notation of "W" on record
September 17	Wednesday	Last day to register
September 18	Thursday	Last day to withdraw from a 7-week course with a "W" grade
September 24	Wednesday	Last day to add a class
September 24	Wednesday	Last day to designate grading option
September 24	Wednesday	Last day to drop a class without notation on record
October 17	Friday	End of first 7-week session
October 20-24	Monday-Friday	Mid-term break
October 24	Friday	Final 7-week grades due
October 27	Monday	Second 7-week classes begin
October 27-30	Monday-Thursday	Interim registration
November 3	Monday	Deadline for adding a 7-week course and/or making a 7-week grading system change
November 3	Monday	Last day to drop a 7-week course without notation on record
November 12-25	Wednesday-Tuesday	Spring term registration
November 17	Monday	Last day to withdraw from a course with a "W" grade
November 27	Thursday	Thanksgiving recess begins
December 1	Monday	Classes resume
December 12	Friday	Classes end
December 15	Monday	Final examinations begin
December 17	Wednesday	Final examinations end
December 22	Monday	Final grades due

Interim Term 1976

January 5	Monday	Classes begin
January 30	Friday	Classes end
February 6	Friday	Interim grades due

Spring Term 1976

February 3	Tuesday	Validation of registration
February 4	Wednesday	Classes begin
February 11	Wednesday	Deadline for adding a 7-week course and/or making a 7-week grading system change
February 11	Wednesday	Last day to drop a 7-week course without notation on record
February 13	Friday	Last day to register
February 18	Wednesday	Last day to withdraw from a 7-week course with a "W" grade
February 20	Friday	Last day to add a class
February 20	Friday	Last day to designate grading option
February 20	Friday	Last day to drop a class without notation on record
March 19	Friday	End of first 7-week session
March 22-26	Monday-Friday	Mid-term break
March 26	Friday	Final 7-week grades due
March 29	Monday	Second 7-week classes begin
April 4	Monday	Deadline for adding a 7-week course and/or making a 7-week grading system change
April 4	Monday	Last day to drop a 7-week course without notation on record
April 11	Monday	Last day to withdraw from a 7-week class with a "W" grade
April 16	Friday	Easter recess begins
April 19	Monday	Classes resume
April 20	Tuesday	Last day to withdraw from a class with a "W" grade
April 28-May 7	Wednesday-Friday	Pre-registration for fall
May 14	Friday	Classes end
May 17	Monday	Final examinations begin
May 19	Wednesday	Final examinations end
May 24	Monday	Final grades due
May 23	Sunday	Baccalaureate
May 23	Sunday	Commencement

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