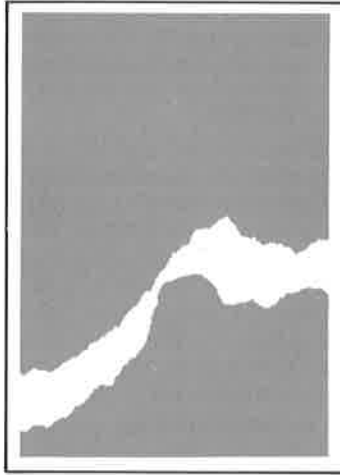


AUGSBURG COLLEGE



INTERIM 1987

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Introduction to Interim

Interim is an integral part of the school year at Augsburg College. The college follows a 4-1-4 calendar, with Fall and Spring semesters of approximately 14 weeks separated by a four-week January Interim. Interim is particularly intended to be a time for both students and faculty to employ styles of teaching and learning and to investigate questions and topics in places and ways not possible during the regular term. There will be no summer Interim in 1987.

Since one Interim course equals a full-time load, students should plan to spend the same amount of time in class and preparing for class as they would for a four-course load during Fall and Spring semesters. Students can register for only one course credit during Interim. There is no tuition refund for a student who chooses not to enroll in an Interim course.

Most Interim courses are graded traditionally on a 4.0 to 0.0 scale. Students generally have the option to register on a Pass/No credit basis. A few Interim courses are graded only on the P/N system; this is indicated in the course description.

Some courses are offered with either upper or lower division standing. Such Interim courses have two numbers listed and the student must select. Students registering for upper division standing should anticipate additional assignments and a more rigorous grading standard.

To graduate, an Augsburg student is required to complete 35 courses of which at least three must be Interim courses (or one Interim less than the number of years of full-time enrollment at Augsburg; e.g., a transfer enrolled full time for two years is required to complete one Interim for graduation).

Augsburg Policy

It is the policy of Augsburg College not to discriminate on the basis of race, creed, national or ethnic origin, age, marital status, sex or handicap as required by Title IX of the 1972 Educational Amendments or Section 504 of the Rehabilitation Act of 1973, as amended, in its admissions policies, educational programs, activities and employment practices.

For More Information

Interim Office (Memorial 230)

Interim Secretary, Kay Thomsen at 330-1025

Interim Director, Dr. Don Gustafson, at 330-1192 (Memorial 114b)

Interim Calendar

- November 3-7Interim Registration
December 8Late Interim Registration
January 5First Day of Interim
 Class I 9:00 a.m.
 Class II 1:00 p.m.
January 6Last Day for Cancel/Add
January 19Last day for determining grading
 system with Registrar
January 21Last day for withdrawing from full
 courses
January 30Interim ends
February 3Validation of Spring Class Registration
February 4Spring Semester Begins

The number and length of class meetings as well as the beginning time will be arranged the first day of class. The daily schedule for Interim is divided into two blocks of time:

- Time I—8 a.m. to 12 noon**
Time II—1 p.m. to 5 p.m.

Interim Catalog

The catalog lists courses by departments. Departments are listed in alphabetical order. At the end of the book are listings of other courses not offered by Augsburg but recognized by the college for Interim credit. Further descriptions and information about these courses are available in the Interim Office, Memorial 230. Students may also register for one of the Lifetime Sports listed at the end of the Catalog.

Building Key

- L-Library**
M-Music Hall **P-Psychology**
OM-Old Main **S-Science Hall**

Options

International Interims—Students are invited to be part of one of the 27 international interims offered by the Upper Midwest Association for International Education (UMAIE). These course opportunities are listed near the end of this catalog.

Internships—Students electing an internship must present a completed internship learning contract to the Internship Office (Memorial 230) no later than Tuesday, November 25. Contract forms are available in the same office.

Independent or Directed Study—Students may elect a program of independent study (upper division 499) or directed study (lower division 299) for Interim. Faculty members are strongly discouraged from accepting responsibility for more than one independent or directed study per interim. Students choosing to pursue independent or directed study must:

1. Meet departmental requirements.
2. Present to the Registrar for approval a copy of the proposed study plan approved by the supervising faculty member. This proposal must be submitted at least one week before registration and no later than December 5. Appropriate study proposal forms can be obtained in the Interim Office.

Interims at Other Schools—Augsburg students may enroll at any other 4-1-4 institution which offers a reciprocal Interim arrangement. Catalogs of these Interims can be consulted in the Interim Office. The Interim Secretary will help students in applying for registration at other schools. Registration for Interims at the other Twin Cities colleges will be done at Augsburg during the regular registration period. Most courses taught during the Interim at other 4-1-4 schools are accepted for credit by Augsburg, but may not necessarily be accepted as meeting Augsburg's distribution requirements. This qualification particularly affects courses offered for the Religion requirement.

Visiting Students

Augsburg College welcomes students from other 4-1-4 schools for the January Interim without tuition charges provided the student's home institution agrees not to charge tuition to Augsburg students for the January term. The waiver of tuition does not include special fees, housing or board costs. Other students will be charged \$540 for the Interim course. Students interested in registering for an Augsburg Interim should write to the Interim Director for application forms or use the forms provided by the interim office at their own school. There is an application processing fee of \$10. Students are welcome to stay on campus but are not required to do so. Requests for Interim housing should be made to the Interim Office.

COURSES

ART

■ Calligraphy

ART 106-47001

306-47002

Instructor: Phil Thompson

A study of the art and craft and historical development of calligraphy with emphasis on the italic alphabet. Development of calligraphic skills in pen and brush with ink and paint.

For upper division credit a major project is required plus demonstrated skill in the uncial and gothic styles.

Prerequisite: None for lower division; Painting or drawing course or permission of the instructor for upper division

Distribution: Art - Music

Time: I

Room: OM 4

■ Life Drawing

ART 247-47003

Instructor: Norman Holen

A study of undraped figures for art students and non-art students.

The figure will be depicted in various settings with a variety of media for varying lengths of time. The poses will extend from three minutes to an hour and a half.

You will be introduced to the 2B and 4B pencils, the charcoal pencil, and pastels.

Fee: \$25 due the first day of class

Distribution: Art - Music

Time: I

Room: OM 17

BIOLOGY

■ Plants and Civilization

BIO 102-47004

Instructor: Erwin Mickelberg

A study of the profound influence of plants on mankind's economic, cultural and political history, as well as the steps that civilization has taken to improve chosen plants for use. Some plant anatomy and physiology will be discussed. Academic evaluation will be based on course exams.

Distribution: Chemistry-Biology

Time: II

Room: 205

■ Ecology of The Arizona Sonoran Desert

BIO 113-47005

313-47006

Instructor: Neal Thorpe

This course will begin with a consideration of the general characteristics of the four deserts on the North American continent. Emphasis will be placed on the Sonoran Desert of southern Arizona and California and northern Sonora, Mexico. Topics discussed will include the physiography of desert landscapes, desert climates, soils, the distributions and interactions of plant and animal life, and survival mechanisms of desert flora and fauna. Studies will be conducted in southern Arizona, including the Arizona-Sonora Desert Museum, Saguaro National Monument, Organ Pipe Cactus National Monument, the Boyce Thompson Arboretum of the University of Arizona, and the Catalina and Rincon Mountains.

Grades will be based on examinations and written work. Students taking the course to fulfill distribution requirements will be expected to acquire a general knowledge of the subjects studied and to write a paper on a selected topic. Students taking the course for upper division credit will be expected to probe the subjects in greater depth and will be required to write a research paper that will be presented orally to the class.

The cost will be approximately \$600.00 and will cover airfare, ground transportation, lodging, admission fees, and most meals.

Prerequisites: Permission of instructor.

BIO 112 for 313 level

Distribution: Chemistry-Biology

■ Human Developmental Biology

BIO 174-47007

Instructor: Robert Herforth

In its broadest sense developmental biology includes the study of the entire life cycle of the individual, from production of the eggs and sperm through fertilization, embryonic and fetal development, birth, growth and maturation, reproduction, aging and death. This course will touch on all these aspects of human development, but will concentrate on gamete production, fertilization and development up to birth. Comparisons with development in other animals will be made. Some related topics which will be considered include the hormonal control of reproduction and child-birth, *in vitro* fertilization, methods of contraception and developmental defects. Grades will be based on several quizzes and exams given during the course.

Distribution: Chemistry-Biology

Time: I

Room: S 212

■ **Biological Evolution**

BIO 307-47008

Instructor: Ralph Sulerud

That organisms have evolved and, accordingly, all creatures are biologically related are probably the most significant conclusions which biology has contributed to human knowledge. The anti-evolutionist arguments of the "scientific creationists" will be investigated in this course. However, to the vast majority of biologists evolution is accepted as a fact, and the evidence in its support will be examined.

Biologists do *not* agree concerning the mechanisms and pace of evolution. Indeed, theories as to these matters have evolved and continue to do so. Much of the course will involve historical study of evolutionary thought from pre-Darwinian times to the present. Finally, we will address the course of evolution from the origin of life itself to the origin of human life.

There will be a variety of readings, and classes will consist of lectures and discussions. Grading will be based primarily on quizzes and tests.

Prerequisites: BIO 111 and 112 or permission of the instructor

Time: I

Room: S 329

BUSINESS

■ **Micro-Computer Accounting**

BUS 294-47070

Instructor: Richard Herzog

This course will provide an introduction to the micro-computer as it relates to financial and managerial accounting applications. Topics will include: micro-computer hardware and software; accounting spreadsheet and database applications. Emphasis will be on the IBM-PC or compatible hardware and Lotus 1-2-3 software.

Students will be required to read a text and other material, hand in homework assignments and take tests over the assigned material. In addition, computer reports will be handed in for evaluation.

Prerequisites: Principles of Managerial Accounting (BUS 102)

Time: II

Room: S 213

■ Entrepreneurship

BUS 295-47011

Instructor: John Cerrito

The object of this class is to provide students who are not majoring in business with entrepreneurial skills necessary for starting and running a small business.

The student will be exposed to various aspects of small business management and will be required to prepare a business plan for a "model" business. The student will be evaluated on the basis of the "model" plan, on tests and performances on small business case studies.

Time: I

Room: M 23

■ Augsburg Goes to Business

BUS 321-47012

Instructor: Thomas Morgan, Tina Wagner, Lois Olson

"Augsburg Goes to Business" is a one-month senior seminar for business and economics majors. The goal of the seminar is to provide a better understanding of the diversity in organizations and the varied environments in which and the many constraints with which they must operate. Three objectives emerge:

1. to develop a clearer understanding of how the different functional areas of an organization operate on a day to day basis and how these "parts" are integrated into the overall operation of the firm.
2. to examine the extent to which "textbook approaches" correspond to "real world" situations and are able to accommodate practical application.
3. to explore potential conflicts between individual (personal and career) goals and the goals of the organization; addressing how these conflicts may be resolved.

Class time will be divided between on-campus lecture and discussion and off-campus visits. Students will visit eight different types of organizations in the metropolitan area. Class discussions will focus on assigned readings, interpretation of the results of different vocational oriented tests, and the issues relevant to the selection of career paths.

Students will keep a journal of experiences and observations. Grades will be determined on the basis of the journal and on a research paper the topic of which has been negotiated with the instructors.

Prerequisite: Permission of instructor

Time: I

Room: P 2

■ Management Simulation Games

BUS 378-47013

Instructor: Amin Kader

In this course the students will be grouped into teams. Each team controls a company which manufactures and sells a line of multiple products. The company competes against other companies; each manufactures and sells similar products. Each team attempts to outperform other teams by selecting what could be perceived by the team as the optimum operating strategy. This strategy includes setting selling prices, production volumes, marketing expenditures, plant and securities investments, as well as stockholders' dividends. Grading will be P/N only with evaluation on the basis of the work done and its results.

Prerequisites: BUS 135 and 261, ECO 122 and 123 or permission of instructor

Time: II

Room: OM 21

CHEMISTRY

■ The Science of Very Large Molecules

CHM 104-47014

Instructor: Sandy Olmsted

This is a survey of the kinds of chemicals which are vitally important to our lifestyle: plastics, synthetic fibers, proteins. These have unusual chemical and physical properties that make them especially useful. We will learn about their chemistry as we make rubber, adhesives, nylon, and plastics in class, and investigate their importance to business, the economy, and to us personally in health and medical applications, and genetic engineering. The course is aimed at creating a better informed consumer who is science-literate. Grade is determined by three exams and a short paper which is due the last day of class.

Prerequisite: High School Chemistry

Distribution: Chemistry-Biology

Time: II

Room: S 315

■ The Molecular Basis of Cancer

CHM 310-47015

Instructor: David T. Brand

Cancer has in some form or another touched virtually every family in America. A great deal of effort has been expended by the scientific community to find the cause(s) of cancer and to establish a cure. The question at hand is, "Are we winning the battle against cancer?" This course will focus on the causes of cancer, how it can be treated, and how it might be prevented. Topics which will be discussed in this course include: The cellular basis of cancer, the environment and cancer, the molecular basis of cancer,

chemoprevention of cancer, and the psychological impact of cancer on the patients/families.

Principles of structural organic chemistry and molecular biology will be used throughout the course.

There will be a variety of readings, and classes will consist of lectures and discussions. Student performance will be evaluated on the basis of two exams and a final paper which is due the last day of class.

Prerequisite: Chemistry 351 (organic chemistry) or permission of instructor

Time: I

Room: S 315

COMPUTER SCIENCE

■ FORTRAN

CSC 270-47016

Instructor: Larry Ragland

A study of the FORTRAN programming language for students with some previous knowledge of programming. This course will expand the student's knowledge of programming and programming languages through presentation of the features of FORTRAN together with programming techniques for using those features. This course will involve lectures and programming assignments in FORTRAN. Evaluation will be based on the programming assignments and examinations.

Prerequisites: One course with a study of a computer language (e.g. CSC 170 or MAT 175)

Distribution: Mathematics-Physics

Time: I

Room: S 112

■ Principles of Microeconomics

ECO 113-47017

Instructor: Satya Gupta

This course will introduce basic concepts, terms and definitions used in microeconomics. Students will be able to recognize the role of microeconomics in decision making at the consumer level, firm level and government level. They will also be able to understand the market functioning of the American economy. Four tests will be given to evaluate students' understanding of the material.

Distribution: Economics-Political Science

Time: II

Room: S 212

■ **Economics of Risk Management: Free Markets vs Government Regulation**

ECO 339-47018

Instructor: Milo Schield

In this course we will:

- Examine economics of hazards involving uncertainty and risk. Examine risk-management via free-market pricing, insurance contracts and government subsidies and regulation.
- Review basic concepts. Distinguish between insurance and speculation. Identify uninsurable risks. Price insurable risks given frequencies and severities as a function of confidence. Estimate risk premiums associated with various lifestyles and occupations. Compare subjective estimates of hazards with objective data. Evaluate social costs and benefits of risk-sharing via insurance. Review insurance “failures”: medical malpractice and product liability.
- Review economic effects of government subsidies and regulations on risky endeavors such as banking, nuclear power, natural disasters, workman’s compensation, unemployment and old-age. Conduct experiments on effects of price-controls.
- Analyze the role of the legal system in internalizing foreseeable, but unintended, consequences of intended actions. Discuss “failures” of the legal system to identify property rights and tort-law responsibilities.
- Visit an auction market, a speculative market, two insurance companies and several regulatory agencies.

Students will prepare a comprehensive paper (50%) in addition to class participation (10%), 3 quizzes (5% each) and a comprehensive final (25%).

Prerequisites: BUS 279 or BUS 331 or ECO 313 or permission of the instructor

Time: II

Room: OM 23

EDUCATION

■ **Student Teaching**

EDS 481-47019 EDE 481-47023

EDS 482-47020 EDE 482-47024

EDS 483-47021 EDE 483-47025

EDS 484-47022 EDE 484-47026

Instructor: Marie McNeff, William Merriman

Observing and directing learning under supervision of college and secondary school personnel. This is a full day experience in a school. Grading is P/N only.

Prerequisites: Acceptance in Education Program and permission of instructor.

ENGLISH

■ January in Medieval England: An Imaginary Travel Trip

ENG 213-47027

Instructor: Joan Griffin

What was it like to be alive in late medieval England? Using literature, drama, music, and art of 12th to 14th century England and Europe, this course is an imaginary trip into the past, touring the medieval castle, cloister, and college.

The course has two emphases. Lecture/discussion sessions will explore a variety of literary documents as well as art and music in order to understand the daily lives of medieval people. Focusing on Chaucer's Canterbury pilgrims, topics will include: "A Knight Ther Was . . . : The Chivalric Ideal"; "The Doctour of Physik: Medicine in the Age of the Black Plagues"; "Madame Eglantine: Medieval Manners" etc.

The course will also explore medieval literature as a performing art. Students will be asked to participate in workshops on medieval drama, music, etc. The course will culminate in a medieval banquet or other performance.

Evaluation will be based on lecture and workshop attendance and participation, a journal, and a paper.

Prerequisites: ENG 111 (Effective Writing)

Distribution: English-Speech

Time: II

Room: M 23

■ The Short Story — Elements of Fiction

ENG 240-47028

Instructor: Kathryn Swanson

What is fiction? What is *good* fiction? What elements of fiction should I consider in making an evaluation? In this course, students will find answers to these questions by reading a variety of fictional works and by writing their own fiction.

Although the course will not involve a systematic analysis of the history of the form of the short story, we will begin with tales and fables and we will read a sufficient number of classics for the student to appreciate the historical development from Poe to Beattie. The course will involve practice in ways of approaching literature and will include study of the basic critical terminology, so it would be an appropriate course for students who have not yet studied literature at the college level.

Students are expected to read the stories and novel, participate in class discussions, write an analysis paper on a topic selected with the advice of the teacher, write a short story, and take several quizzes and a final exam. Effective Writing is not a prerequisite but students will be expected to write with clarity.

Distribution: English-Speech

Time: I

Room: M 24

■ **Emily Dickinson: The Person and The Poems**

ENG 340-47029

Instructor: Ron Palosaari

Unknown in her lifetime, Emily Dickinson has gained a reputation as one of America's finest poets.

She spent most of her life within the family home, confining her relationships to a selected few while the town regarded her as eccentric. Some writers believe she retreated from the world to give herself to her poetry because her time and place made no provision for a female professional poet, especially a boldly innovative one. Others trace her seclusion to various family relationships, personal problems, or frustrated dreams of love. Whatever the situation, out of the mystery of her life comes the glory of her poetry.

We will study her poetry and a standard biography. Evaluation will be based on a few short papers, an oral or group report, a journal, and a test. We may also have some quizzes.

Students will also read one of the important books on Dickinson and give a class report on the paper they prepare on their book.

Prerequisites: A college literature class

Time: I

Room: OM 27

FRENCH

■ **Beginning French I**

FRE 111-47030

Instructor: Mimi Johnson

This course aims to give students a rudimentary understanding of French language and culture. Using development of listening, then speaking, then reading, and lastly, writing, students will comprehend everyday situations and be able to use "survival French." Evaluation will include oral and written quizzes, group study and projects, as well as a final exam. A part of each day's class will be held in the Language Laboratory.

Distribution: Foreign Language

Time: I

Room: OM 25

HEALTH & PHYSICAL EDUCATION

■ **Recreational Rhythms and Activities**

HPE 232-47071

Instructor: Mary Manderfeld

Theory and practice in teaching and performing American heritage and international folk dances. Exposure to New Games concepts and activities. The majority of the course grade is based on participation in class activities, a teaching assignment, and a written test.

This is a 1/2 credit course.

Time: II - M & W & Alternate F

Room: Melby 24

■ **Administration and Supervision of the School Health Program**

HPE 410-47033

Instructor: Richard Borstad

Historical background, legal bases, school health services, and relationships to community health program and resources. Methods and materials in health education with laboratory experience in classroom and community.

Periodic exams covering lecture and textbook assignments; written summaries of professional journal articles; in-class activities, including a presentation on a teaching method.

Prerequisites: HPE 320

Time: I

Room: Melby 24

■ **Coaching of Basketball**

HPE 477-47034

Instructor: David Boots

Theory, technique and administrative aspects of coaching basketball. Exams, on-the-floor coaching techniques, and a scouting report will be the methods of evaluation.

This is a 1/2 credit course.

Time: I T & Th & Alternate F

Room: Melby 12

■ Coaching of Hockey

HPE 478-47072

Instructor: Ed Saugestad

The theory, techniques and administrative aspects of coaching hockey. Evaluation will be on the basis of exams, on-the-ice coaching techniques and scouting reports.

This is a $1/2$ credit course.

Time: I M - W & Alternate F

Room: Melby 12

■ Officiating of Basketball

HPE 481-47035

Instructor: Al Kloppen

This course will focus on learning the rules and mechanics of the game of basketball. There will be practical experience on the floor. Students completing the course should be ready for certification by the Minnesota High School Association. Grade evaluation will be based upon tests, papers prepared and performance on the floor. While there are no prerequisites, it is highly advisable that students have some basketball playing experience.

This is a $1/2$ credit course.

Time: II T & Th & Alternate F

Room: Melby 12

GENERAL STUDIES

■ Transitions: Women's Life Careers

GST 245-4709

Instructor: Diane Busico

Are you wondering how you can succeed in a "man's world"? Puzzling out your options for marriage, career, and/or children? Troubled with how to practically and emotionally juggle all of your diverse roles? This seminar is an exploration of the various pathways women choose in balancing home and work life. Although it promises no concrete answers to compelling questions, it will arm you with some useful information for making choices for the present and plans for the future.

The societal, familial, and individual forces shaping the choices women make concerning family and career are studied via text (E. Highman: *The Organizational Woman*), journal articles, films, and guest lecturers. Student performance is assessed through essays and a research project.

Distribution: Urban, Women's and Minority Studies

Time: I

Room: P-2

HISTORY

■ Modern Paris: History and Literature

HIS 114-47036

Instructor: Orloue Gisselquist

We will do two things in this course. First, we are going to study a significant period—the 19th and 20th centuries—in the history of one of the world's great cities. Secondly, we are going to focus much of our work on three major pieces of literature that deal with Paris. We will enjoy them as literature but study them as historical sources for what they tell us about Paris. The three pieces of literature we probably will read are Honore de Balzac, *Old Goriot* (1834), one of several novels he wrote picturing life in Paris; Alexis de Tocqueville, *Recollections* (1893), a memoir written in the early 1850's by one of the great political thinkers of the 19th century that recounts his firsthand experience in the '48 revolution in Paris; and Edmond and Jules de Goncourt, *Pages from the Goncourt Journal* (1922), a very realistic day-to-day diary kept by two brothers who professionally and socially associated with the literary elite of Paris during much of the second half of the 19th century. Whereas today history is being pressed toward the social sciences, this represents a more humanities orientation of historical study.

There will be two short papers (4-5 pages each) and two written examinations.

Distribution: History-Philosophy

Time: II

Room: OM 25

■ Myth and Myth Making

HIS 219-47037

419-47038

HUM 275-47039

Instructor: Richard Nelson

A myth is not something patently false or absurd, although popular usage has emphasized its fictional quality. Myth is the means by which people and cultures explain themselves to others and to themselves. In this course we will examine mythopoeic thought and the myths which that process evolved in the ancient Near East, Greece and Rome. We will read mythological literature in

translation and modern commentaries on the nature of myth making. These mythologies will be studied within their historical and cultural context, resulting in a final paper on a topic to be decided upon between student and instructor. In addition to the final paper, there will be a final exam and weekly quizzes or writing assignments. Depending upon production timing, the class will attend an area dramatic presentation. Students enrolling for upper division credit will be required to write an expanded final paper based on deeper source material (18-20 pages in length compared to lower division papers of 10-12 pages) and, in addition, a critical review of a pertinent study.

Prerequisites: Effective Writing for lower division
Permission of instructor for
upper division registration

Distribution: History-Philosophy

Time: I

Room: OM 13

■ 20th Century South Asia

HIS 262-47040

Instructor: Don Gustafson

India (or South Asia) has produced the largest working democracy in the world today; from this people have come one of our century's greatest saints and also one of the most renowned statesmen; it is a foremost example of 20th Century colonialism and nationalism; it has experienced one of this century's greatest upheavals of people; it is a standard example for population crisis and world poverty illustrations. South Asia is all this—and much more.

This course is designed for the student who has interest but little or no background in non-western subjects. We will begin with an anthropological study (BEHIND MUD WALLS) of traditional village India; then consider colonialism by reading the literary classic, PASSAGE TO INDIA (and also see the movie); observe the process of nationalism and independence using various historical readings and the movie, GANDHI; and finally conclude with some thoughts on modernization.

There will be general discussions, weekly examinations and a final exam.

Prerequisites: Sophomore honors student
or permission of instructor

Distribution: History-Philosophy

Time: I

Room: OM 18

MATHEMATICS

■ Gardner Variety Mathematics

MAT 133-47075

Instructor: Bev Stratton

Are you afraid of math? If so, this course is for you. We will have fun with math and convince you that you *can* do math.

As a starting point, we will use the writings of Martin Gardner, an individual who for many years wrote a column on mathematics for *Scientific American*. Then we will help you use your common sense to explore such mathematical concepts as logic, paradoxes, number theory, patterns, symmetry and other topics of interest to the class.

Evaluation will be based on class participation and short reaction papers to Gardner's columns.

This course should be particularly helpful for elementary education majors.

Prerequisite: Group III on math placement test

Distribution: Mathematics-Physics

Time: II

Room: OM 27

■ The Logical Game of Mathematics

MAT 241-47041

Instructor: Larry Copes

Lower-division mathematics students generally play only games of calculation and concepts. But DOING mathematics as professionals requires an ability to prove and disprove conjectures and to write up proofs. The objectives of this course are to help prospective mathematics majors gain or improve those skills, and to get a taste of REAL mathematics before committing themselves to a major. Toward that end there will be daily assignments and weekly exams, including a cumulative final exam.

Prerequisite: Completion of Calculus I with 2.0 (C) or better

Time: I

Room: S 205

MUSIC

■ The Electronics of Music

MUS 230-47065

430-47066

Instructor: Robert Karlén

An opportunity for students to explore, experience, and create some of the sounds found in 20th century music. Through a "hands-on" approach, participants will be involved in:

- 1) Making multi-track recordings on half-track, quarter-track, and cassette decks through an eight-track mixer.
- 2) Individually creating, modifying, and mixing sounds from traditional sound sources as well as from analog and computer-controlled synthesizers.

The study and application of practical electronic technology used in the production of music today will be combined with aesthetic considerations necessary for the creative aspects of the art.

Much of the work in this course will be done in small groups. Lower division students will work with up to four channel-four track recording involving techniques of speed changing, splicing, reversing tape direction and filtering using primarily traditional and non-traditional sound sources. Upper division students will also use electronically synthesized sound sources including computer controlled keyboard, overdubbing and overlaying up to seven tracks.

Students must have the use of a portable cassette recorder, and provide themselves with a 7-inch reel of blank recording tape and a blank cassette tape.

Prerequisite: None for lower division status.

Music theory or permission of instructor for upper division status.

Distribution: Art-Music

Time: I

Room: M 5

NORWEGIAN

■ Beginning Norwegian

NOR 111-47032

Instructor: Leif Hansen

The course provides an introduction to the basic skills of listening, speaking, reading, and writing. The first class sessions are conducted without the use of a printed text. Later class sessions provide a thorough introduction to the structures of contemporary Norwegian, but oral expression is emphasized throughout the course. Oral and written tests. Laboratory work expected.

Distribution: Foreign Language

Time: II

Room: OM 29

NURSING

■ Trends and Issues in Nursing

NUR 330-47042

Instructor: Terry Welcher

This course is intended to give students a broad perspective by introducing current trends and issues in health care and the profession of nursing. Many of the issues are controversial, are relevant to current practice and have potential for far-reaching effects in health care. Students will be graded on group presentations, written examinations and field trip reports.

Prerequisite: Registered Nurse

Time: I

Room: OM 11

PHILOSOPHY

■ Being Human

PHI 115-47043

Instructor: Bruce Reichenbach

What is it to be a human being? What is our uniqueness, our relation to our world and environment, and our relation to others in community and to God? We will explore concepts of being human from ancient Greece and China, through the Renaissance, to contemporary reflections, to see how different cultures and societies have viewed the human person.

The course will emphasize reading original sources from the various periods, and written interaction with those readings. Several short papers on the readings plus written preparation for small group discussions will be expected.

Distribution: History-Philosophy

Time: I

Room: OM 16

■ What Do You Think of That?

PHI 250-47044

Instructor: Ken Bailey

There are many puzzling issues in our lives and world which deserve some clear and careful thought. What shall we think and say about such contemporary issues as Freedom of the Will; Can Computers Think?; and What are the Grounds of Moral Responsibility? In this course we will discuss these and other concerns that confront our age, in an attempt to understand them more clearly. Discussions will be based upon readings from a wide selection of authors, some traditional (such as John Locke, Rene Descartes,

and William James); and some very much in the forefront of contemporary discussion (such as Ayn Rand, B.F. Skinner, Sidney Hook, and John Hospers). Their views are provocative, to say the least, and they will challenge you to ask, again and again, "Well, Now. What Do You Think of That?" Grades based upon mid-term examination, final examination, and discussions.

Distribution: History-Philosophy

Time: II

Room: OM 10

■ Introduction to Truth Theory

PHI 410-47045

Instructor: Mark Fuehrer

An investigation of the following questions: What is the nature of truth? Is truth a property of the intellect or things? Is there only one truth? Is truth immutable? Is truth found in sensation or only in the intellect? Is falsity found in the senses or only in the intellect?

This course will propose answers to these questions based on a survey of philosophical texts by various writers. Student will be involved with debating these texts and preparing a series of reports on the readings. In addition there will be a final examination on all material covered.

Prerequisite: At least one lower division course in philosophy

Time: II

Room: Philosophy Seminar—Memorial Hall

PHYSICS

■ Introduction to Weather

PHY 106-47046

Instructor: Ken Erickson

A study of the science of meteorology which will provide a working knowledge of the principles of atmospheric science. Attention will be given to four basic areas: observing the weather (including state of the art instrumentation), understanding weather patterns, forecasting weather changes and understanding the world's climate. Related topics to be included are: hydrology (study of the earth's water cycle), pollution, economic effects of the weather, and weather's impact on world events. This course is designed to be an elective or satisfy the Mathematics-Physics distribution requirement for the liberal arts student. The course will include daily lectures, assignments (one or two laboratory sessions per week), two one-hour examinations and a research project.

Prerequisite: High school algebra

Distribution: Mathematics-Physics

Time: I

Room: L 1

■ The Physics of Music

PHY 112-47047

Instructor: Jeff Johnson

This course will examine the physics underlying the experience of music. After developing the essential physics, we will examine string, and horn instruments (and possibly others including the human voice) to see how they actually work. The requirements of the course include laboratory exercises and homework assignments. There will also be a final exam in addition to a term paper on the history of the student's favorite musical instrument.

Prerequisite: High school algebra

Distribution: Mathematics-Physics

Time: I

Room: OM 12

POLITICAL SCIENCE

■ Political Reasoning and Rationalizing

POL 180-47048

Instructor: Myles Stenshoel

A course for people who would rather think than memorize, criticize than concur, argue than acquiesce. Addressing major and minor political ideas from Plato to the President, the course will attempt to probe and compare the notions that have affected and afflicted Western politics, for better and for worse.

Grades will be based on brief papers, quizzes, and class participation.

Prerequisite: No prior political science course

Distribution: Economics-Political Science

Time: II

Room: OM 11

■ Politics of Nuclear Strategy and War

POL 365-47049

Instructor: Joseph R. Goldman

Given the nuclear arms race today and the advent of "Star Wars," many people are deeply concerned about their and the world's future as we approach 2001. This course explores the politics and strategy of nuclear security issues not only between the US and USSR, but among the "other" nuclear (izing) nations and those like Japan choosing never to possess these engines of war. Beginning with Hiroshima and continuing beyond "Star Wars," we will look at the history, politics, economics, strategies and ecologies surrounding the technologies propelling the arms race, on the one hand, and affecting arms control, on the other. Students will have a mid-term examination, a short paper (10 pp) and a final examination used as the basis for evaluation.

Prerequisite: One political science course
or permission of instructor

Time: I

Room: OM 21

■ Anatomy of the USSR

POL 455-47050

Instructor: Norma Noonan

In-depth study of the contemporary USSR with a focus on internal politics and society. The content includes: an overview of the dilemmas which face the USSR in the late 1980s: political, economic, and social; an analysis of the Soviet economy and attempts at reform; a review of cultural and social problems; examination of some foreign policy issues; and an analysis of the political leadership. The course will be conducted as a seminar. There will be a research paper and some independent reading and writing assignments. The grade will be based on: the written assignments (40%); class discussion (20%); written report (40%).

Prerequisite: One course in Communist politics:
382; 363 or 351 or permission of the instructor

Time: I

Room: M 22

PSYCHOLOGY

■ Self-Identity and Values

PSY 110-47051

Instructor: Norm Ferguson

The objective of this course will be to examine the concept of "self" or "self-identity" (Who am I? What do I think and feel about myself?). The relationship between self-identity and personal values will also be explored. Though the course will have mainly a psychological focus, reference will be made to spiritual and philosophical issues that relate to the concepts of self-identity and values. The content of the course will cover topics such as: the acquisition and development of self-identity and values, including the influence of sex-roles; the clarification of values; the growth and change of self-identity and values during adulthood; and the relationship between self-identity and spiritual growth.

Class time will be devoted mainly to the discussion of these issues in small groups. Active participation by each student is expected along with the sharing of relevant individual experiences. Evaluation will be based on class participation, two papers, and a journal of reactions to the assigned readings. This course may not substitute for PSY-105 for students pursuing a major or minor in psychology. Grading P/N only.

Prerequisite: Permission of instructor

Distribution: Psychology-Sociology

Time: II

Room: P 3

■ Introduction to the World of Psychology

PSY 121-47052

Instructor: Paul Hirdman

Psychology is more than rats! It is a world of great breadth, with differing levels of depth. Here you will have the opportunity to explore some of the concepts, data and methods of psychology and gain some understanding and insights from this discipline. Readings, lectures, and special presentations will be utilized involving the instructor and class members. Evaluation will involve class participation, student research presentations, and exams.

Students may not receive credit for this course and also for PSY 105 (General Psych).

Distribution: Psychology-Sociology

Time: I

Room: P 4

■ Idealism and the Adolescent

PSY 370-47053

Instructor: Duane Johnson

Inquiry into the nature and presence of idealism in the life of the adolescent person. Theoretical bases for such idealism will be considered. Idealism directed toward other persons and society will be the main focus.

This course will be conducted as a seminar with a high level of student contribution and participation. Procedures will include class discussion, frequent short papers, and frequent oral reports. Each student will be required to seek out and interview persons in the adolescent level of development. Typewriting or equivalent word processing will be required.

Students are required to read *The Moral Life of Children* by Robert Coles before the start of the interim. This book will be available in the Augsburg Bookstore by November 1. Content of the book will be discussed in the first few class sessions and will provide a base for further learning in the course. This course is offered *only* on P/N basis.

Prerequisite: Psychology 105 (General Psychology)

Time: I

Room: OM 10

RELIGION

■ Christianity in Modern Africa

REL 366-47054

Instructor: Bradley Holt

This course will focus on two regions of Africa: the West and the South. Students will be introduced to traditional African culture and religion, the introduction of Christianity, and the present development of indigenous churches in West Africa. The newer "Independent African Churches" will be studied, as well as attempts to formulate "African Christian Theology." A major section of the course will focus on contemporary responses of churches in South Africa to the apartheid system of racial segregation. There will be lectures and discussion of reading materials, films, and visiting resource persons. Students will be evaluated on several short tests and a short research paper.

Prerequisite: One course in religion

Distribution: Religion (Only one Interim course may be used toward graduation religion requirements)

Time: II

Room: OM 18

■ Issues in Science and Religion

REL 374-47055

Instructors: John Benson and Mark Engebretson

For some in our society science is the driving engine of a better, more secure life. For others, including some Christians, science and its associated technologies constitute a grave threat.

This course will begin with a historical overview of the relations between science and the Christian faith, emphasizing three periods; the origins of the Christian faith, the development of "modern" science and mechanistic philosophy; and the reevaluation of science and nature in the 20th century.

The following are some of the questions to be dealt with: Has science made the Bible obsolete? Are scientists really that smart? Has modern physics made it easier to be a Christian? Can computers save us? Why do science and religion always seem to be fighting one another?

Grades will be based on class discussion of assigned readings, two short tests and a written project.

Prerequisite: Religion (Only one interim course may be used toward graduation religion requirements)

Distribution: Religion

Time: I

Room: S 213

SOCIAL WORK

■ Exploring Human Services

SWK 257-47056

Instructor: Mary Lou Williams

This course offers students the opportunity to explore career aspects of the human services vocations, a valuable tool in selecting a career goal and a college major. Knowledge is gained by working in a professional human service organization or agency; working and talking with human service professionals and others who participate in an organized approach to respond to human needs. This course offers a "hands on," experiential approach to learning.

Students will volunteer 20 hours per week under the direction of an agency representative. In addition, students will attend a specific small group seminar 3 hours per week during which agency experiences will be shared and readings discussed. Evaluation will be based on performance in the agency, written subjective summary, brief journal summary, and final exam.

Time: I

Room: G-12

■ Issues of Homelessness

SWK 339-47057

Instructor: Edwina Hertzberg

The intent of this course is:

1. To expand students' knowledge of homelessness in a historical context
2. To expand students' knowledge of the reality of homelessness in the Twin Cities
3. To expand students' understanding of the causative factors which contribute to persons being homeless: Economic, employment, personal
4. To explore possible resolutions of homelessness

Readings, guest lectures, field visits to sites serving homeless people and participant observation will be utilized to fulfill the above objectives. A seminar format will be used in the classroom for discussion/exploration of the topic.

Field notes from participant observations, class participation and a research paper exploring one aspect of the topic will form the basis for evaluation.

Upper division students only.

Non social work majors are particularly invited to enroll in this course.

Prerequisites: SOC 111 or 121 or SWK 257 or 361

Time: I

Room: OM 23

■ Field Work III

SWK 466-47058 (1 course)

466-47059 (½ course)

Instructor: Rosemary Link

The objectives of the class are to use supervisory relationship to increase interpretive as well as social work performance competence; to promote gradual entry into direct social work practice; to increase competence in the client contact phase of the problem solving process; to increase student self-awareness in regard to professional practice interests, areas of strength, and areas for personal/professional development; to promote competence in the full process of problem solving, with special emphasis on analysis and resolution stages.

Course content will be continuation of Field Work II—educationally focused field placement in a social service agency.

Students will spend 15 (or 30) hours per week in field placement, plus one hour per week in faculty facilitated supportive seminar held on campus.

Evaluations will be made in writing by the Field Instructor using previously developed contract and social work evaluation forms.

NOTE: Course is offered for half (15 hours per week) or full (30 hours per week) credit. If for full credit, half of the credit will be based on non-client contact tasks.

Time: To be arranged

SOCIOLOGY

■ Ethnicity and Community in Urban Society

SOC 261-47060

Instructor: Gordon Nelson

It has been suggested that the persistence of ethnic neighborhoods in American cities has functioned as a locus of community in urban life. Moreover, it is argued that these communities have provided stability and identity in the face of the dehumanizing tendencies in an industrialized and bureaucratized society. This course will attempt to assess the extent to which the foregoing assertions might apply to ethnic neighborhoods in the Twin Cities. After some preliminary background sessions and readings, each member of the class will be asked, either individually or as part of a group, to explore a particular ethnic community in the Twin Cities and report back to the class. This class presentation and a final examination will be the basis of evaluation for the course.

Distribution: Urban

Time: I

Room: OM 29

■ **Complex Organizations**

SOC 301-47073

Instructor: Diane Pike

This course is an upper division seminar designed to examine complex organizations from a sociological perspective. Little in contemporary American culture is left unaffected by organizations and it is useful for those of us who live and work within these institutions to understand how they operate beyond the individual level. We will explore topics such as corporate deviance, organizational technology and structure, and organizational culture.

The format of the course is based on discussion and participation. Reading assignments form the foundation for class time, supplemented by guest speakers, films, and assignments. Evaluation of performance is based on three short papers, participation and notebook, and a final.

This course is particularly appropriate for business majors in certain tracks.

Prerequisite: An introductory history, psychology, sociology or political science course

Time: II

Room: OM 22

■ **Racial and Minority Group Relations**

SOC 383-47061

Instructor: Jerry Gerasimo

This course considers the dimensions of racial and minority group relations. Major attention is focused upon prejudice, racism, and the role of self-understanding.

The course will be offered only on a P/N basis. There will probably be no examinations, but there will be two papers.

Distribution: Urban

Time: II

Room: M 24

SPANISH

■ Evaluating Continental Literature

SPA 250-47031

Instructor: Gunta Rozentals

The objective of the course is to enable students to discuss continental works of literature through the use of valid critical tools. It will involve both theory and evaluation from different points of view. We shall read several short stories, plays, one novel and a number of poems.

Evaluation will be based on three written reports, participation in class discussion, and a final exam.

This course is designed for language students but anyone with an interest in European continental literature is welcome to enroll.

Prerequisite: Sophomore standing or consent of instructor

Distribution: English-Speech

Time: I

Room: M 22

SPEECH, COMMUNICATION & THEATER

■ Theatre in London

SPC 246-47062

Instructor: Julie Bolton

London has been the center of the theatre world for centuries and the English stage continues to attract large audiences to the footlights. During our month in England we will see approximately fourteen performances including traditional and non-traditional theatre at a wide assortment of sites.

Theatre performances will be supplemented with backstage tours, talks with British theatre artists and critics, walking tours and a visit to the British Theatre Museum. The course will also allow free time for independent exploration of the many galleries, museums, libraries, shops and all that are part of England's rich cultural heritage.

The course is offered on a P/N basis only. Evaluation will be based on attendance at all scheduled events, participation in group discussions, a journal dealing with production experiences as well as some assigned readings.

The cost of transportation, some meals, and all theater performances is \$1,895.00.

■ Children's Theater

SPC 285-47063

Instructor: Gary Parker

Class members will work as an ensemble to create and perform a play for children. Development of the play will emphasize techniques of improvisation. Students will participate both on and off stage as performers (actors, singers, dancers, musicians), production staff (publicity and management), and technical staff (lights, scenery, costumes, and props). Public performances will be scheduled during the final week of class. Grading will be based on the commitment and effectiveness of work on the production, and a written notebook of daily activities and reactions. No theater experience is necessary.

Time: 9:30-12:00, 1:00-3:00

Room: Stage Two

■ Ethics in Communication

SPC 340-47064

Instructor: Ray Anderson

We all encounter deception and exploitation in politics, advertising, selling, and personal relations. How can one decide whether to conceal information from a customer, to use subliminal persuasion, to "blow the whistle" on one's employer, to use photographs or body language to give a misleading impression? How can one sort out and weigh the various ethical considerations?

In this course we will use case studies and a variety of ethical perspectives to analyze ethical problems in such fields as advertising, public relations, sales, and politics. We will also consider issues in subliminal persuasion, nonverbal communication, and interpersonal communication. The main objective is to improve our ability to make ethical decisions.

Activities will include lectures, readings, case studies, interviews, oral reports, papers, debates, and two examinations. The emphasis will be on case studies involving situations encountered in everyday life.

Prerequisites: A course in philosophy or consent of instructor

Time: II

Room: OM 16

OTHER COURSES

These courses are offered by institutions or groups not connected with Augsburg College but have been approved for credit by the college. Most carry a tuition cost plus other expenses which are the responsibility of the student. They are offered only on a P/N basis. Fuller descriptions and details for registering are available in the Interim Office.

■ **Outward Bound** **HPE 212-47067**

Check for information in the Interim Office for material on dog sledding and snowshoeing on the Minnesota-Canadian border or for white water canoeing and desert camping on the Rio Grande in the December 27 through January 17 period. There is a cost of approximately \$1,050 (the Outward Bound organization says scholarships are available).

■ **Washington D.C. Interims** **The Legal System and Legal Careers** **POL 398-47068**

Leaders on Leadership: Models for Policy Making
POL 398-47069

These Interims begin December 28 and continue until January 16. Information on either of the above programs, housing and financial assistance is available from Dr. Milda Hedblom in Memorial 117A.

Augsburg Lifetime Sports

The following activities are available to students during Interim and students may register for one of these as well as for a regular course. These activities do not carry official credit, but they do meet the lifetime sports requirement for graduation. Students may participate in any one of these without registering for the course, but will be expected to pay any fees whether or not the student registers for the course.

■ **Running**

HPE 002-47074

Instructor: Paul Grauer

Distribution: Lifetime Sports

Time: 12 noon

Room: Melby

■ **Racquetball**

HPE 002-47075

Instructor: Al Kloppen

Distribution: Lifetime Sports

Time: 9:30-11:00 T & Th

Room: Melby

■ **American Karate**

HPE 002-47076

Instructor: Mike Teitelbaum

The form, basic techniques and practical usage of American Karate, taught by a certified Second Degree MKA Black Belt instructor. Fee of \$25.00.

Distribution: Lifetime Sports

Time: 12:00-1:00 M, W, F

Room: Melby

UMAIE

Augsburg is part of a consortium called UMAIE, Upper Midwest Association for Intercultural Education, which offers overseas learning experiences during the Interim. Further information about the following courses can be obtained from Mary Kingsley in the International Center, Old Main 20, or from the Interim Office. Registration for these Interims ends October 24, 1986. These courses are offered on P/NP basis only.

- **Ancient Greece: Myth and Monuments**
- **An Ecological Safari in East Africa**
- **Biology and Natural History of the Hawaiian Islands**
- **China, Then and Now**
- **Civilizations in Conflict: Troy, Constantinople, Gallipoli**
- **Economics of the Welfare State**
- **English Castles, Cathedrals and Countryside**
- **Europe and the Rise of Modern Science**
- **German Language and Culture: Munich, Salzburg & Vienna**
- **Great Western Philosophers**
- **Greek Art and Architecture**
- **Habsburg Heritage**
- **Health Care in Europe**
- **Italy: Galileo and the Church**
- **Japan 1987: Traditional Values in a Post-Industrial Society**
- **Law in London**
- **London and Paris: A Tale of Two Cities**
- **Mexico: The Old and the New**
- **Modern European Business and Worklife**
- **Museums, Music, and Monuments in the Great Cities of Europe**
- **Paris and Provence: Language and Culture**
- **Peru: Language and Culture**
- **Soviet Union: A Cultural and Historical Profile**
- **Soviet Union: History and Culture**
- **Spain: A Country in Transition**
- **Theatre in London**
- **The English School and Family**

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