# HAMPSHIRE COLLEGE

# • 1980 FALL TERM COURSE GUIDE •

# 1981 PRELIMINARY SPRING TERM COURSEGUIDE

# **REGISTRATION INFORMATION**

Check the course descriptions and schedule of classes thoroughly for enrollment methods. Sope courses will hold lotteries the first day of classes; others will either have sign-up sheets or interviews. One day, <a href="Third Hourday\_September4">Third Hourday\_September4</a>, will be used for course interviews, other specified. Soums faculty may be available prior to this; however, all faculty will have office hours posted for some time to be available for interviews (where enrollment is limited) prior to the beginning of classes.

Classes.

After attending classes for a week, you should be ready to decide in which ones you wish to be enrolled. Class list foras, provided by Central Records, will be distributed the second week of classes. Sign the list for each course in which you wish to be enrolled. The lists will be forwarded to Central Records, and they will do the rest of the work.

\*CLEARLY PRINT YOUR FULL NAME--first/middle/last--NO NICKNAMES\* Students taking ASTFC courses at the other schools, and Division III atudents taking no courses, should sign the appropriate lists at Central Records.

NOTES: Type Interchange applications are available at Central Records. Be mure they are completely filled out and have all the nacessary signatures (if they are incomplete they say have to be returned to you, causing delays which sight affect your shifty to got into a particular course). The deadline for filing Interchange applications is Friday, September 19. No Yvo College courses may be added after this date. Passitiarize yourself with all the rules, regulations and penalties associated with Five College interchange. They are all listed in the Student Handbook, and it is your responsibility to be sware of them.

Independent Study forms are available at Central Records a the advising centers. They should be completed during the first two weeks of fall term 1980.

IF YOU HAVE ANY QUESTIONS RECARDING THIS PROCEDURE, PLEASE CONTACT CENTRAL RECORDS, EXTENSION 420.

# NOTE TO FIVE COLLEGE STUDENTS:

Hamphire College courses require different modes of enrollment depending on instructor and course. All students should refer to the enhelped of class meeting times to find the method of enrollment for an individual course. Courses with open enrollment do not require paraisection of instructor.

Crades vill be offered to interchange students unless otherwise noted in the course description. Interchange students should discuss this with the instructor during first week of classes.

Although Five College students may participate in lotteries and sign class lists (clearly indicating their home institution), they are still responsible for filing the Five College Inter-change form at their own school.

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# THE ACADEMIC PROGRAM

## DIVISIONS:

Students at Hampshire College progress through three sequential divisions--Basic Studies (Bivision I), Concentration (Bivision II) and Advanced Studies (Division III), nowing steadily toward greater independence in srudy. This divisional framework, which replaces the conventional freshann-senior sequence, to designed to accommodate individual patterns of learning and growth.

Each division marks a stage in the student's progress toward un-derstanding and mastery of the subjects chosen for study and each has its own distinctive purposes and procedures.

each has its own distinctive purposes and procedures. DIVISION 1: The Division of Seais Exudices introduces atudents, to the aims and methods of liberal education at Rampshire College, giving them limited but direct and intense experience with distributes in all four schools. This is done extended to the control of particular topics of study in courses or seminars and independent projects attensing the method of inquiry. Students in the first division learn how best to inquire intg subject matter, how to understand their own educations inceds and obliticis, and how to develop the arts of all-instruction as they be desired the control of the c

A program of Division I proseminars, designed especially for students new to Hampehire College, is offered in fall term 194 by faculty in all four schools. For further information, see the special section on PROSEMINARS in this Course Guide.

the special section on PROSPENIARS in this Course Guide.

DIVISION II: In the Concentration, the student develops a program of studies in one or more fields will continuing to explore other areas. Students determine with their facult and
advanced they want to schieve in the continuing to explore other they want to schieve in the continuing to exdepth one or more of the continue within one or more of the four
schools, and to broaden their knowledge of the linkages among
disciplines. The Division il examination includes evaluation
of the work done in the Concentration and the student's readimess to proceed to advanced heightening the Student's readimess to proceed to advanced heightening the Student's readi-

ness to proceed to advanced independent work.

<u>PUYSION 111</u> The Division of Advanced Studies occupies students with advanced studies in their chosen field and integrative studies across disciplines. The student designs and completes an independent study project or original work normally requiring half of his or her time for one academic year. In addition, students participate in advanced integrative works normally a seniant-in which they encounted integrative works normally a seniant-in which they encounted the property of the property of the property of the property of the property in the property of the property in the property of the property of the service to other members of the Hampshire community or broader community.

New students at Hampshire are assigned to an adviser from one of the schools for advice on choice of courses and other academic mattern. If this initial essignment is not satisfactory, students say choose a new adviser. Changing of advisers is a relatively simple process dome in consultant characteristic content and the content of the course of the c

Wall noon stuments and their advisers.

The Options Office (112 Colls Science Center) offers advice and assistance in the areas of career counselling, graduate school applications, field study and study abroad. The School Advising Centers, the Whole Woman Center, and the Third World Advising Center are sources of assistance for formulating Division: I exams and Division II and III contracts, as well as for more general advice on the academic programs available at Hampshire and at the other colleges in the Velley.

# STATEMENT ON AFFIRMATIVE ACTION

Hampshire College resifirms publicly its moral and legal commitment to a policy of equal opportunity in education and employment.

and employment.

Memphire College admits students of either sex and any races, color, religion, national and ethnic origin or handicap to all rights, frivileges, programs and activities generally accorded or made available to students at the college. It does not discriminate on the basis of ear, race, color, religion, national or sthnic origin or handicap in administration of its educational policies, administration of its educational policies, administration of activities of the college-administered programs.

athletic and other College-susualistics on proposation Manapahire College is an Affirmative Action/Equal Oppor-tunity Employer. All employment policies and decisions are made without regard to sex, tace, color, religion, national or ethnic origin, age, or handicap.

mational or ethnic origin, age, or handicap, in all argas of deucation and employment, the College seeks to comply with all applicable federal and state laws and guidelnes including fittle VI and VII of the Civil Rights Act of 1964; Executive Order 1126 of 1965 as memedd by Executive Order 1125 of 1967; Italia to the Education Ascendence Act of 1973, as amended to the Pobblittetion Act of 1973, as amended to the Matinitation Act of 1973, as amended.

HAMPSHIRE COLLEGE April 1980 Volume 7 Issue 1

NAME OF THE CONTROL OF THE PROPERTY OF THE PRO

# CALENDAR

ep. 1
ep. 2 - Wed. Sep. 3
ep. 4
ер. 6
ep. 3 - Wed. Sep. 17
ep. 19
ep. 30
ety 3 - Sat, Oct. 4
et. 13
ct. 16
ov. 10 - Fri. Nov. 14
ov. 12
ov. 14
ov. 24
lov. 25
iov. 26 - Sun. Nov. 30
Dec. 12
Dec. 15 - Fri. Dec. 19 Dec. 20 - Sun. Jan. 4
ian. 4 (12:00 noon) /
an. 5, - Tue. Jan. 27
an. 24 an. 28 - Sat. Jan. 31
an. 26 - Sat. Jan. 31
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Jan. 31
2an. 31 - Mon. Peb. 2
Peb. 2
Peb. 2
Feb. 3
Feb. 3 - Fri. Peb. 13
Feb. 13
Mar. 2 - Tue. Har. 3
Mar. 21 + Sun. Mar. 29
Apr. 10
Apr. 17 - Sun. Apr. 19
Apr. 20 - Fri. Apr. 24
Apr. 22 - Fri. Apr. 24
•
Apr. 22 - Fri. Apr. 24
Apr. 22 - Fri. Apr. 24 May 15

Schedule of Classes on Pull-out Centerfold Pages 16-19

# **CURRICULUM STATEMENTS**

EFFORT/SHAPE: LANGUAGE OF MOVEMENT AND

# SCHOOL OF HUMANITIES AND ARTS

In these course listings you will find a quite astonishing range of offerings for the Fall Term. Resember this at the outset as you begin to plan your setules for Bivision I. Set outset as a south setules for Bivision I. Set outset are not intended to setule.

On the subject matter but as introductions to made of the course of the cours

The difference is so critical that you will underestimate it only at the paril of promoting your own confusion. Each of the great, traditional disciplines of study (English, History, Philosophy, Music...etc.), rather than being treated as a closed system of knowledge in treatf, is treated as a perspective on the disciplines of inquiry, discovery, and creation.

There are observably different ways in which the artist and the humanist (as contrasted, say, with the scientist) approach their subjects of study, conceive of their problems, attack them, resolve them, report thus, or express thus, and that is the matter of concern in any Division I course.

Those of you entering Division II courses will find that they are more typically focused on some special problem within an academic discipline—for example, the dialogues of Plato or the poetry of Elict, or that they deal with a general problem in the arts or humanities at a much higher order of complexity than in usual in the first Division. The same emphasis will be placed, however, on the interplay of the humanities and the arts.

Purhaps we in this School are most eager to try this academic experiment of putting the Humantities and the Arts to work together because we share the sense of Erich Fromm about the good
that "flows from the blending of actional thought and feelings
of the two functions are contained and school are also as the sense of Erich and feeling deteriorates into
metrotic life-damaging passions."

DIVISION I	
DRAWING ONE-OH-ONE HA 101	Superior
INTRODUCTION TO DIRECTING NA 106	TBA
FILM WORKSHOP I HA 110	Ravett
THE DESIGN RESPONSE HA 111	·Kramer
AMERICAN FAMILIES, AMERICAN HOMES (proseminar)* HA 118	D. Smith Kindwall Hardie
CODS, BEASTS AND MORTALS: THE BEGINNINGS AND THE END OF POLITICAL THEORY (proseminar)* HA 121	Meagher

BEGINNING VOICE PRODUCTION HA 122

COLLEGE WRITING/UPDIKE: AN ALWAYS INMINENT JOY HA 134a	F. Smith	HA 213	
COLLEGE WRITING/EUROPEAN WRITERS: SHORT STORIES (proseminar)* HA 134b	F. Smith	THE FICTION OF HISTORY: HISTORICAL TRUTH AND INACINATIVE INVENTION IN THE NOVEL HA 219	Marquez
WAYS OF SEEING HA 140	Kirray	PHOTOGRAPHY WORKSHOP II HA 225	Mayes
THE MAKING AND UNDERSTANDING OF HUMAN ENVIRONMENT: APPROACHES TO DESIGN HA 145	Juster Pope	THE ANCIENTS AND THE MODERNS NA 230	Russo
STILL PHOTOGRAPHY WORKSHOP HA 150	Liebling Mayes	POETRY WRITING WORKSHOP HA 231b	Goldensohn
THE PSYCHOLOGY OF THE BLACK EXPERIENCE: A JUNGIAN APPROACH HA 161	Frye	CARUS HA 234	Meagher
IDEAS OF ORDER (proseminar)* RA 169	Kennedy	AMERICAN LITERARY REALISM: MARK TWAIN, HENRY JAMES, STEPHEN CRANE, THEODORE DREISER HA 236	Lyon
BEGINNING SCENE STUDY HA 178	TBA	AUTOBLOGRAPHY AS AN AMERICAN CENRE HA '246	Hatlack
THE WORLD OF FEODOR DOSTOEVSKY HA 180	J. Hubbs	INTERMEDIATE SCENE STUDY HA 248	TBA
DIVISIONS I AND 11	,	HODERN DRAMA AND "REALITY"	C. Hubbs
WRITING .	Payne	HEGEL I HA 251	Bradt
STUDIO EXPERIENCE IN DANCE Ha 115/215	TBA	HOMEN IN NATURE SEMINAR HA 256 (OP 256)	Greenberg
EXPLORING SEXUALITY HA 123/223	G. Gordon L. Gordon	HEIDECCER'S BEING AND TIME HA 258	Bradt
BODYMINDWORK: HORNING PRACTICE HA 126/226	F. McClellan	ORIGINS OF ROMANTICISM HA 269	J. Hubbs
SONDHEIM AND COMPANY: A MUSICAL THEATRE SEMINAR HA 127/727	Cohen	STUDIO ART CRITIQUE HA 280	Superior

Salkey

Salkey

Lichling

PLANTICHTS' WORKSHOP

Note about HAA courses In current listing: At the current stage of planning, a number of courses are actil tentative. There will be two integrative seminars, one of wisho will be ARTS AND SOCIETY (literature, theatre, design, and social theory). Additional courses in the following areas will be functionally will be active the social course will be active to the social course will be act

SHAKESPEARE AND WOOLF HA 289

HISTORY OF FILM/PHOTOGRAPHY HA 297

# SCHOOL OF LANGUAGE AND COMMUNICATION

The concept of a School of Language and Communication is unique to Raspahire College. The achool represents a synthesis of discount of the College of the Co

Intellectual life and with most students' interests.

Cognitive studies. The nature of the human mind depends on its capacity to receive, store, transfors, and transmit symbolic forms, or information. The cognitive sciences are devoted to the study of those fundamental properties of mind. Linguistics and cognitive psychology investigate human language, thought provide a general most properties and company of the provide a general most properties. The provide a general most provided a general most provided and processes that in impulsatics and psychology and that makes possible the construction of machines with eneral powers, called computers. Namy of the classic questions in philosophy fall in the domain of mind, for example, those concerned with the nature of knowledge, of meaning, of rational thought, and with the relationship between mind mind brain. The cognitive sciences also have important applications in education. The school offers an integrated set of courses in cognitive sciences also have important applications in education. The school offers an integrated set of course in cognitive sciences also have important applications in education. The school offers and integrated set of course in cognitive sciences also have important applications in education. The school offers and integrated set of course in integrated settings are affected and the most of the

the major perspectives on human nature.

Annuage, outlurg, and nacticity. Symbolic forms, in the medium of communication as well as of mind. The use of Annuage, our communication are removed in the school of the communication, reflects, maintained, and creates social attractures and cultural forms. The issues that are addressed in the school's courses range from the role of social relationships in two-person conversation, to the way in which literary articles asplicit the structure of language tructure and language articles asplicit the structure of all suggestions are the communication of the communication of

Mass communications. Communication has been fundamentally altered by the invention of instruments for the mass distribution of pictorial and linguistic forms and their subsequent control and exploitation by certain social institutions. The influence of this new force on advanced acoleties is four-justification of this new force on advanced acoleties is four-justification of the school's courses on mass communications. The research. Mathods are drawn from contact. The school also offers applied courses in Journalism and television production.

DIVISION I	
PHILOSOPHY AND AFFIRMATIVE ACTION LC 102	Garfield
	J. Miller and staff
CHILDREN'S DRAWINGS LC 105	Кпарр
	Muller Epstein
SEMINAR IN LINGUISTICS+	ТВА
CONVERSATION ANALYSIS, PART I LC 147	Tallman
CULTURE AND THOUGHT: A PSYCHOLOGICAL PERSPECTIVE (proseminar)* LC 152	Gearhart -
RESEARCH METHODS FOR REPORTERS LC 174	Kerr
LANGUAGE AND LITERATURE (proseminar)*	Gee Berkman
THE PSYCHOLOGY OF HUMAN INTELLIGENCE (proseminar)* LC 187	Stillings
PERCEPTION AND KNOWLEDGE: SOME PHILOSOPHICAL PROBLEMS LC 191	Witherspoon .
COMPUTER PROGRAMMING LC 193	Hanson
AMERICAN SIGN LANGUAGE AND ITS STRUCTURE LC 195	Shepard-Keg)
•	

POETRY WRITING WORKSHOP HA 131/231s

ADVANCED STUDIO FORUM HA 207

THE OBSERVERS
HA 209 (SS 208)

FILM WORKSHOP 11
HA 210

DIVISION II

DIVISION 11  COMPUTATIONAL MODELS OF VISUAL PERCEPTION LC 202	Hanson
LANCUAGE, MYTH, AND THE FEMININE CONSCIOUSNESS LC $204$	Tallman
STRINGS, TREES, AND LANGUAGES LC 206	Marsh

PHILOSOPHY OF PSYCHOLOGY LC 208	Garfield
SCEPTICISH LC 210	Witherspoon
SEMINAR IN MASS COMMUNICATIONS+ LC 211	ТВА
SEMINAR IN LINCUISTICS+ LC 213	TBA
THEORY OF LANGUAGE: LINGUISTIC AND PSYCHOLOGICAL PERSPECTIVES LC 226	Gee Shepard-Kegl Stillings
CHILD LANGUAGE DEVELOPMENT LC 240	Knapp
COMPUTERS IN THE LAB: HARDWARE, SOFTWARE, INTERFACE LC 243 (NS 243)	Al Woodhull Hanson
WORKSHOP: THE MEDIA AND ENERGY CONSERVATION LC 253	Muller Heyers
OBJECTIVITY AND THE NEWS: FACT, INTERPRETATION AND FICTION LC 257	Lyon
SOCIAL INTERACTION IN THE CLASSROOM: THEORY AND OBSERVATION LC 264	Gearhart
POREIGN LANGUAGES	
FRENCH 1 FL 101	Leetc
SPANISH I	Nieto

+Course description will be published in Course Guide Supplement

- \* For course description see PROSEMINAR section in this Course Guide. Division I proseminars are intended primarily for new students; however, encollment spaces also may be available for more experienced students.
- \*\* Two sections of this course are proseminars. See the descriptions under SCHOOL OF NATURAL SCIENCE.

# SCHOOL OF NATURAL SCIENCE

Natural Science courses come in a variety of forms: lecture series; field and laboratory projects; and sessions. There are courses for students who are excited by science and ready to plungs into their subject and for students who are skeptical about the value of science. It is especially important for students to be clear about the distinction between Division I and Division II courseling in an analysis on I course.

Division I courses are intended to help students to develop
the skills necessary to pursue Division I projects. Instructors will introduce you to the projects and catterent in
the projects of the projects and catterent in
the projects of the projects of the projects of the projects
for these courses are general to
developing the critical skills necessary to test scientific
thought, they usually involve a significant amount of vritten
work. Division I courses also involve laboratory work, field
projects, and/or ceading of the primary literature with the
close supervision and support of the instructors.

Division II courses may be divided into two categories. The first includes broad survey courses designed to introduce students to the traditional scientific disciplines. Students to the traditional scientific disciplines the second includes more advanced topical courses designed allow students the firstbillity to part and account of the course of the

student needs, and samy of the courses are student initiated. It should be noted that somy courses—physics, biology, calculus, chemistry, etc.—which are standard introductory courses at other colleges, are Division It would be coursed and standard or six the property of the courses are intended to give by. Those courses are usually noted to pursue introducting students to the strategy and tection of celence, and thus do not readily lead to Division I exame. Division I students with strong backgrounds may, with the instructors perfectsion, enroll in a Division II course. However, this should generally be with the understanding that she is already prepared to do a Division I Natural Science exam and will complete it during the semester

Students are strongly urged to take one or more Natural Science courses to develop an examination. This is usually the most effective way for students to acquire the skills encessary to successfully pursue a Division I project. Students who arrive at Hampshire with a strong interest and background in science are especially encouraged to begin Division I projects as soon as possible.

Students from the other four colleges are welcome in our courses. We would like to encourage those students who have difficulty with science to try a Division I course.

			Denni
DIVISION I		ASTRONOMICAL OBSERVATION ASTFC 37	Denni
SPACE SCIENCE: TOPICS OF CURRENT ASTRONOMICAL RESEARCH ASTFC 31	Irvin <del>et</del>	ASTROPHYSICS 1: STELLAR STRUCTURE ASTRC 43	Harr (sone
EXTRATERRESTRIAL INTELLIGENCE NS 101	K. Gordon	HOLOGRAPHY AND OPTICS II NS 207	Van Blerkoe
EVOLUTION OF THE EARTH NS 107	Reid	ORGANIC CHEMISTRY NS 211	Lowry
ACID RAIN (proseminar)* NS 114	Williams	AMERICAN ENVIRONMENTAL HISTORY NS 215 (IN 333)	Lutts
TROPICAL MARINE ECOLOGY NS 117 (mini)	Van Resite N. Goddard G. Goddard	INTERPRETIVE NATURAL HISTORY NS 222 (OP 222)	Lutts
HUMAN BIOLOGY: TOPICS IN PHYSIOLOGY, MEDICINE.	Foster	THE EVOLUTION AND BEHAVIOR OF DOMESTIC ANIMALS NS 230	Coppinger
AND PUBLIC HEALTH NS 121**	Bruno N. Goddard Ann Wooldhull	COMPUTERS IN THE LAB: HARDWARE, SOFTWARE AND INTERFACE NS 243 (LC 243)	Al Woodhull Hanson
BIOPOLITICS NS 137	Gross	CELL BIOLOGY NS 247	L. Miller
NATURAL HABITATS OF NEW ENGLAND (proseminar)* NS 147	Van Raalte Lutts	PHYSIOLOGY IN STRENUOUS EXERCISE NS 248	Melchionda
TOPICS IN AGRICULTURE NS 149	P. Slater	THE CALCULUS NS 260	Kelly
PHYSIOLOGICAL BASIS OF AGRICULTURE NS 150 (mini)	Goldhor / Van Roalte P. Slater	MATH FOR SCIENTISTS AND SOCIAL SCIENTISTS NS 261 (SS 265)	Hoffman
WORLD FOOD CRISIS NS 151 (SS 129)	Coppinger Holmquist	MODERN ALGEBRA NS 269 ~	Hoffman
TOPICS IN EXPERIMENTAL DESIGN AND QUANTITATIVE THINKING	Sutherland	BOOK SEMINAR IN PHYSICS NS 281	Bernstein
NS 162 (SS 162)		BASIC PHYSICS II	Van Blerkom
ENERGY CONSERVATION IN THE HOME NS 167	Bruno Williams	NS 283	Bernstein K. Gördon
CONSERVATION OF NATURAL RESOURCES NS 182	Westing	THE ENTERPRISE OF SCIENCE: CASE STUDIES IN THE HISTORICAL DEVELOPMENT AND THE SOCIAL AND ETHICAL RELATIONSHIPS OF THE INSTITUTION OF SCIENCE TO OTHER INSTITUTIONS IN WESTERN CULTURE	Goldberg Gross Lutts Rinard
DIVISION II		NS 286	
STARS ASTFC 21	Greenstein+	+ Pive College Astronomy Department Faculty	

# SCHOOL OF SOCIAL SCIENCE

The faculty of the School of Social Science have worked to create a curriculum based on critical inquiry in a variety of problem areas which reflect their interest that in institutions and social change. The describe sociaty has described by the social beautiful distribution and social change. The described he historic and philosophic based of Social Courant values and structures. Accordance of Social Courant values and structures. Accordance of Social Courant values and structures. Accordance with a proposition of Social Courant values and structures. Accordance with a proposition of Social Courant values and structures, accordance with a proposition of Social Courant values and structures. Accordance with the structure of the

and notal change than any one discipline can offer.

Our faculty come from a variety of disciplinary backgrounds—
anthropology, economics, history, law, political science, psychology, and sociology. However, the School's identity
and sociology. However, the School's dentity
and cooperative teneric production and codescippatterns. Now how the production of the school of the

DIVISION 1	-
HUMANITY: UNITY AND DIVERSITY SS 105	Glick
CHANGE IN THE LEGAL PROFESSION: PERSPECTIVES IN LAWYERING SS 109	Fowlkes -
PROBLEMS IN URBAN POLITICAL ECONOMY SS 113	Ңова"
POLITICAL JUSTICE (proseminar)* SS 115	Mazor
PEASANT REVOLUTION AND VILLAGE SOCIETY IN HODERN CHINA SS 116	Johnson
SOCIAL CONTROL AND DISPUTE SETTLEMENT SS 122	Yngvesson
THE WORLD FOOD CRISIS SS 129 (NS 151)	Coppinger Holmquist
PSYCHOTHERAPY: DOES IT WORK? HOW DO WE KNOW? SS 132	Farnham
SOCIAL ORDER HERE AND THERE (proseminar)* SS 140	von der Lippe

ATTITUDE CHANGE AND SOCIAL INFLUENCE SS 150	Poe	AMERICAN GOVERNMENT AND PUBLIC POLICY SS 212	Rakoff
ECONOMIC DEMOCRACY: ITS NATURE AND PRACTISE; WHAT A FULLY DEMOCRATIC SOCIETY MIGHT LOOK LIKE. SS 152	Benell to	CAPITALISM AND EMPIRE: NEW ENGLAND AND- AMERICA IN A GLOBAL PERSPECTIVE SS 214	Pitch Nisonoff M. Slater
CHICAGO AND NEW YORK: EXPERIENCING THE BIG CITY 55 159  TOPICS IN EXPERIMENTAL DESIGN	Breitbart Rakoff Sutherland	PROBLEMS IN THE PHILOSOPHY OF LAW AND JUSTICE SS 217	Hazor ,
SS 162 (NS 162) THE HISTORY OF THE FAMILY	Mahoney M. Slater	THROUGH THE LOOKING GLASS: A STUDY OF LAW AND SOCIAL PSYCHOLOGY SS 218	Fowlkes Poc
SS 165  AMERICAN CAPITALISM (proseminor)* SS 184	Warner	LABOR AND COMMUNITY SS 233	Breitbart Nisonoff
		PHILOSOPHIES OF AMERICAN EDUCATION SS 234 AFRICAN DEVELOPMENT	Rose
DIVISION 11		- SS 257	olmquist
ABULT DEVELOPMENT SS 202	Farnham	MATH FOR SCIENTISTS AND SOCIAL SCIENTISTS SS 265 (NS 261)	Hoffman
RELIGION: A CROSS-CULTURAL PERSPECTIVE SS 206	Gl tek	STATE AND SOCIETY SS 275	Bengelsdorf Cerullo Lander
OBSERVER AND OBSERVED IN LITERATURE AND ANTHROPOLOGY	D. Smith Yngvenson	AND THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE	Mazor- Bengelsdor
SS 208 (HA 209) INTRODUCTORY ECONOMICS	Weaver	MOMEN IN SOCIALIST SOCIETIES: THEORY AND AND PRACTICE SS 280	Landes
SS 210			

 For course description see special PROSEMINAR section in this Course Guide. Division I prosessinars are intended primarily for new students; however, enrollment spaces also may be available for more experienced students.

primarily for new students; movever, entorument spaces and the section of this course are prosentinars. See the descriptions under SCHOOL OF NATURAL SCIENCE.

# 1980 FALL TERM **COURSE DESCRIPTIONS**

# SCHOOL OF HUMANITIES AND ARTS

Roy Superio

An introductory, basic, elementary, beginning, primary, and initial investigation of fundamental, preliminary, rudimentary, simplified, maybe even remedial studies of the art of drawing, as investigated via exercises both timeless and innovative.

Scarting with the question of what is a pencil, we will rapidly move to what is a piace of paper and then face the complex fasts of what is a piace of paper and then face the complex fasts of what is a piace of paper and then face the complex fasts of the paper of

In addition to motor control coordination betwixt hand and eye, drawing involves the brain. Therefore, some exercises vill ceal with processes of thought and imagination. Emphasia will be given to perceiving whether or not the visual intent coincides with the graphic result.

Many exercises must be approached more than once to be effective, so the students will be expected to have faith and energy to work hard outside of the class meetings which, incidentally, will be twice a week for two hours. Of course, you must provide your own materials and initiative.

Although intended mainly for the novice, some advanced student should not rule out the possibility of having their batteries recharged. There will be group critiques and portfolio review for evaluation. Class limited to 10; first come, first served.

INTRODUCTION TO DIRECTING

TBA

In this course we will begin to examine the directorial process. The main concentration will be on techniques and tools of direction, text snalysis, working process with accros, identification of dramatic action, counterpoint, etc. We will spend time on identifying and understanding the role of the director and his/her responsibilities.

The class will be structured as a "hands on" experience with the bulk of the work concentrating on accessors. Exporting the instead to 10 Preference will be given to chose attendants who have experience with acting. The permission of the instructor is accessory.

This class will meet twice weekly for two-hour session

FILM WORKSHOP I

This course is concerned with the film as personal vision; the film as collaborative effort; the meaning of thinking visuality and kinesthetically; and film as personal expression, communication, witness, fantasy, truth, dromm, responsibility, and self-discovery.

The workshop will be concerned with production and seminar dis-cussions, field problems, and research. Topics will include history and development, theories of film construction, camera, directing, aditing, sound, marriate, documentary, experimental films, use and preparation, and Super-3 and Idoms production.

The past seventy-five years have seen the motion picture rise to the position of an international Language. It has transcended the bounds of entertainment to provide everlasting documentation of the world, its people and events. It has given added acops and intisiveness to every area of human activity. Our lange and understanding of the world more often are gained through film and photographs than personal experience. The assthetics and techniques of a medium so broad in implication should be understood by all.

A \$20.00 laboratory fee is charged for this course. The College supplies equipment, special materials, and general laboratory supplies. The student provides his/her own film.

The class will meet once a week for four hours. Enrollment is limited to 12; personal interview.

HA 111 THE DESIGN RESPONSE

Wayne Kramer

A study of theatrical design modes and concepts, the course will emphasize the creative response of the major design aream (seenery, lights, cooksume, set.). We shall also try to discover how the artist reacts to the script and translates that reaction into communication modes for other theatre artiss and audience We will look at color, texture, and line in theatrical design well as the vocabulary of the designers.

The class will meet twice a week for 1½-hour sessions. Enroll-ment is open.

BEGINNING VOICE PRODUCTION

This course in training the speaking voice deals with problem of breathing, production of tone, resonance, and articulation Selections of prose, poetry, and dramatic literature will be covered in the course.

The class will meet twice weekly for two-hour sessions. Enrollment to limited to 14, and permission of the instructor is required.

\*Donna Aronson is Five College professor in theatre voice.

COLLEGE WRITING / UPDIKE: AN ALWAYS INMINIENT JOY

We will read as many of John Updike's prose works as possible-short stories, critical essays, and parhaps a novel. We will also read criticism of Updike written by his contemporaries. His repu-tation is not yet sure; we will try to assess his achievements so far.

Please understand that this is primarily a course in writing. The elements of style and other traditional thetorical concerns will be fundamental matters in this course.

proliment is dimited to 25. The class will meet twice weekly by one-hour sessions plus tutorials to be arranged. First co

WAYS OF SEEING

Joan Murray

Ways of Seeing will be based on slide presentations focusing on the works of artists from Delacrotx to the present. The object vill be to foster an ongoing dialogue between participants in the class regarding the ways artists see, how their work de-velops, and how understanding the formal visual cleamate in work can bring the viewer to a fuller awareness of the assinct content and intention of the ertist.

There will also be an emphasis on the historical development of visual thinking in order to understand both what a given period moant artistically in its own time as well as how it is viewed today and its effects on artists today.

The class will meet twice weekly. On Tuesdays there will be a lecture session which will be open to the public, and on Thurs days we will concentrate on the preparation and presentation or all side calls. The topics for the presentations will be chosen by students from a list of possibilities which the instructor will have awaitable. Enrollment is limited to twelve

THE MAKING AND UNDERSTANDING OF HUMAN ENVIRONMENT: APPROACHES TO DESIGN

Norton Juster and Earl Pope

This course deals with the snalysis and design of human environ-ment-the ways is which human activities and needs find expres-sion in forms and externs that reflect and shape their lives. We will be constructed with a developed sensitivity to surroun-dings, an understanding of place, and the sense of the indivi-dual as an effective force in creating or altering his own en-

Witnessell, a workshop course, using direct investiga-tion, research, and design projects of a non-cenhical nature to confront and expose environmental problems and to admit the approaches and creative continues a proposed to the confront design of the configuration of the configuration of the configura-dantification of human needs, the functional and emotional con-cerns of environmental design-problem seaking and problem definition; the scale of human environment; creative synthesis-the lesp to form; the translation of idea, analysis, program on technical parameters into environment.

Nuch of the work will require visual presentations and analysis; however, no prior technical knowledge or drawing skills will be macessary. The student uset provide his own drawing tools. Frojects and papers will be due throughout the term. This course demands both time and commentment.

There will be two 2½-hour meetings per week plus odd day session for special problems (to be mucually determined). Enrollment is limited to 12 to be selected by lottery.

Jerry Liebling and Elaine Mayes

STILL PHOTOGRAPHY WORKS HA 150

The photograph as art and communication--its production and implications.

Photography has becase one of the primary means of visual exper-ence today. The directness and impact of the photography makes an understanding of its techniques and perspensable to the artist, teacher, and student. So warted in the use of photography in a areas of human endervor that the need of a "visual literacy" be-comes of beside importance.

The course is designed to develop a personal photographic perception in the student through workshop experiments, discussions of history and contemporary trands in photography, and field problems to encourage a veness of the visual environment.

A \$20.00 laboratory fee is charged for this course. The College will supply chemicals, laboratory supplies, and special materials and equipment. The student will provide his/her own film and paper.

The class will meet once a week for four hours plus lab time to be arranged. Enrollment is limited to 15 students per section. (There will be two sections.) Personal interview.

THE PSYCHOLOGY OF THE BLACK EXPERIENCE:
A JUNGIAN APPROACH

Charles Fryc

For the sncients, psychology was the central philosophical con-cern. Psychology was the Science of the Soul. Soul, with all its implications, is similarly the point of departure and arriv-al for this course. We will explore optatemology, smethetics, and theury—with "printive" psychology and the course of the ings will be drawn from the worker Lag of sided, Heumann, Campbell, Panon, Castancies, tituols, and Harding.

Class will meet twice weekly for two-hour sessions in the En-field master's house. Class will be limited to 18 on a first come, first served basis.

BEGINNING SCENE STUDY HA 178

TRA

This course is an introduction to the art and craft of acting. We will be working with techniques of relaxation, vocal production, physicalization and theatre games. The sajor complasts on the scene work done in class will be on personalization—how to gake a scene grounded in reality using the actors own feelings and experiences as a base.

The class will meet twice weekly for two-hour sessions. Enroll-ment is limited to 12, and permission of the instructor is re-

THE WORLD OF FEODOR DOSTOEVSKY

Gentlemen, I am tormented by questions; answer them for me."
-Notes from Underground

The purpose of this semions will be to determine what those questions are, how bostoewally foreulated those, and why they conserved as a cultural historian rather than provided the seminary of the seminary

This course has a heavy residing load to which is added the burden of three short papers and/or a short lecture as described above. Those who feel some estimation in committing themselves to an ound residing (the longer novels, <u>Grine and Funtahment</u>, <u>The Possessed</u>, and <u>Brothers Marenarow</u> average 600 pages) are encouraged to stay other!

The class will meet three times a week; twice with me and once with a student discussion leader. Enrollment is limited to 16 students; first come, first served.

HA 114/214 WRITING

By means of exercises that draw on personal history, family ancedotes, life experience in general, students will spend class time in the process of writing. The work will be incessed in the process of writing. The work will be incessed in a constant of the same time. Dephasis will be used to a crecking one's resources as writer and despending them the same time. There will be reading to constant of source including the work of processing with a strictic performing artists, and, when they choose, members of the class. Tutorical will be available to all participants.

The class will meet once a week for three hours. Enrollment is limited to 15, and the instructor's permission is required.

HA 115/215 STUDIO EXPERIENCE IN DANCE

TRA

This course in dance technique will deal primarily with the physical discipline behind dance and sovement and the physicality of relaxation and release within movement.

There will be two sections—a beginning class and a class com-bining intermediate and advanced. Each section will meet twice weekly for li-hour sessions. Enrollment is limited to 20 in each section.

HA 123/223 EXPLORING SEXUALITY

Linds and Graham Gordon

Many of us live with assumptions and fears about our samuality as w. have not had the opportunity to share and explore our feelings with others. In this course we will take the time to some exploration and also to seek reference points from those who have gone before. We will particularly writize the insights of Gestaic therapy, Jung and firk friken to inform our exploration. Through reading, discussions to the contemporary in the property of the property of

Entrance to this class is by interview with one of the instructors. Enrollment is limited to 16. We will meet twice weekly for two-hour sessions. Enrollment by instructor selection.

HA 126/226 BODYMINDWORK: MORNING PRACTICE

Francia McClellan

This class in movement fundamentals (focusing primarily on finding and using breath, ki, and connectedness in motion) is derived from the work of Immgard Bartenleff, integrating prin-ciples from Laban, martial arts, energy awareness, and dance:

Through novement, observation and partner work, concepts of dynamic alignment, kinesthetic awareness, and dance. It was a support, powement initiation, lover body support, upor body obdy and spatial configurations will be explored. We will raise a spatial configurations will be explored. We will raise this work to wirtous bedynamic admice practices as student interest indicates and to efficient energy use in daily life.

In order to facilitate integrations of the material on a physical level, the class will include journals, short papers and readings. Enrollscont is open to all levels of experience. The class will meet twice weekly for 13-hour sessions.

14!

HA 127/227 SONDHEIM AND COMPANY; A MUSICAL THEATRE SEMINAR

An exploration of the musical theatre artistry of 3cophen Sond-hetm. After an apprenticeship as lyricist for <u>'Gest 1ide Story</u>, <u>Cyppy</u>, and <u>Do I Hear a Walter</u>, Sondhein has emerged as the most original, exciting, and influential composer/lyricist of con-temporary American musicals. From <u>Forum to Sweeney Todd</u>, he and his collaborators have consistently experimented with both form and content to produce a theatre of dazzling vision and unsur-passed artistic quality.

Through recordings, readings, and seminar reports, we will focus on dramaturgical and production techniques, as well as historical and thematic concerns. Through exploration of one artist's approach, it is hoped that we may develop a greater understanding of the craft of dustical theatre.

Student projects for the seminar will also include performance of songs and scenes, designs for sets and costumes, and tritical evaluations of musical and literary content. A workshop production of Sondhait material is planned for December as a direct outgrowth of the seminar.

Enrollment is limited to 16. Permission of the instructor is required. We will meet twice weekly for 14 hours.

HA 131/231a POETRY WRITING WORKSHOP

## Andréw Salkey

This course will emphasize the principle that all our workshop poetry writing should be done <u>primarily</u> for the reception and delight of our own workshop members and with them uppermost in mind, for after all we are our very first audience and group approval is vitally important as a source of confidence. Our provided the second of the property of the confidence of the property of the confidence of the c

The workshop will be a forum for the relaxed reading of poems produced by its members. We will pay the closest possible critical attention to the procedy and meaning of class manuscripts, and that ought to be done informally but without loss of turo-rial effect. We will emphasize the evidence of lateral attengths in the work of the poets and attempt sensitively to analyze their more obvious weaknesses, now one form privately than in group seasons of the processing the property of the property of the processing the property of the processing the processing

We will strive to respect the talents of the poets and resist all inducements to make them write like their mentor (that is, either like the external model of their choice or like their instructor or like the outstanding class poet).

Suggested parallel readings will come from the full range of contemporary writing in verse.

The class will meet once a week for li-hour sessions. Enrollment is limited to 16, and permission of the instructor is required.

# HA 163/263 FICTION WRITING WORKSHOP

Andrew Salkey

This workshop will emphasize as its guiding principle that all
our workshop fetcion writing should be done <u>prinarily</u> for the
reception and delight of our workshop members and with them
uppermost in sinds, for after all u ear our very first sudience
and group approval is vitally important as a source of confidence. Our witters should be reminded that being attentive
readers and listeners to the work of other writers in the group
is essential practice; and of course, our readers it and sudicutili grow and move outwards as we grow and move along as
writers.

The workshop will be a forum for the relaxed reading, however extended, of short stories, novels-in-progress, plays, and other expressions of fiction produced by its members.

We will introduce and develop the necessary skills with which our writers will learn to regard, examine, and write fiction as a display of the imagination in terms of natrative, characterization, intention, and meaning; and those elements will be studied closely, not so much from approved external models as from the writen mork of our own class.

We will try to demonstrate that the practice of fiction ought to be manifestly about the creative description of human rela-tionships in acciety, in spite of our quicksilver flights of imagination.

We will encourage both on-the-spot oral critical analysis and considered manuscript-reviewing. We will, at all times, allow the writing and lively manifytical discussion of all forms of literary composition within the genne of fiction, however teamental, however ideoxyncratic; our fiction writers will be on-couraged to take any literary risk they may feel to be important to their development.

The class will meet once a week for Ly hours. Enrollment is limited to 16, and permission of the instructor is required.

## HA 207 ADVANCED STUDIO FORUM

This course is intended for students with a highly developed level of visual understanding which can be clearly exemplified in their own work. The continued growth of critical understanding will be one of the major purposes of the course. There will be brief siled presentations on relevant art powerments. The students' own work will presumably continue in conjunction with whatever is assigned as part of the class, neither replacing the other.

Guest critics may be invited to critique student work or to lecture, depending on the amount and quality of work as well as the level of student interest.

The class will meet once a week for 2½ hours. Enrollment is limited to 15 students, and an interview with the instructor is required.

## FILM WORKSHOP II

## Jerry Liebling

A workshop to help the student continue to develop his/her use of film tenset he development of a personal vision. Specific areas of concern are considered to the experimental film, its eschedule energy, and personal vision; and (3) expanded cinema-new movements in film seathetics.

course will involve lectures, field work, seminars, and ex-live production opportunity. It is for students who have or ed film, photography, or TV classes in Basic Studies, or ir equivalent --or pensission of the instructor.

There will be a lab fee of \$20.00. The class will meet once a week for four hours. Enrollment is limited to 12. Personal in-

# EFFORT/SHAPE: LANGUAGE OF MOVEMENT AND OBSERVATION

This course will be based on Rudolph Laban's research in thoughent analysis, Effort/Shape:

"Movement %s a reciprocal link between man's mental, apiricual, and physical\_life....(It) is more than a component of the chair fact links and si more activity and the wyeld around that force it as the medium through which he actualizes his responses. It is through the movement of other people and objects that man refines and expands his knowledge of the world... Thus the study of movement as essentially concerned with a person in relation to the world and the people around his."—Thornton on Labas

- is a technique for describing, measuring, and classifying hu-
- wan movement; described and the describes patterns of movement which are constant for an in-dividual and which distinguish him from others; delineates a behavioral dimension related to neurophysiologi-cal and psychological processes.

The work in this course will allow students to begin to work with the elements of movement and will also provide the class with his elements of movement analysis, observation, and notation. In addition to becoming familiar with basic Effort's hape parameters of novement, efforts and effort states, students will be able to discover and examine their personal novement preferences with the potential for expanding their own reporterior and undergranding how their movement serves them (alone and with others).

The course will hopefully bring together scudents from vertex disciplies. No sill cobbine theoretical reaction and experi-ential work with the application of this knowledge (during the last month) in an area of celevance (for example, movement in education, non-verbal communication, movement therapy) to the students participating in this course.

Throughout the term\_ readings and observation projects will be assigned.

The class will meet twice weekly for two-hour sessions. Limited to 15 students, and discussion with the instructor is required.

# THE FICTION OF HISTORY: HISTORICAL TRUTH AND IMAGINATIVE INVENTION IN THE NOVEL

"In its carliest uses," writes Raymond Williams in <u>Koywords</u>.
"Ristory was a marrative account of events...the mens, paged
Fagish use, Matery and story...were both applied to an account either of imaginary events or events supposed to be true."
"Fiction," the same author tells us, "inse the interesting double
sense of a kind of IMACHMITUE LITERATURE and of pure (sometimes
doilberately deceptive) invention."

deliberately deceptive) invention."

There is a same in which the original protean quality of these two concepts, firtion and history, is still with us. Indeed, the contemporary significance of a concept such as ideology, one could argue, has even given the range of connotation to which Williams refers a new currency and vogue. Nowhere is this more apparent than in the growing popularity, throughout the world, of the historical or historical/political novel. More than any other genre, the historical novel relies on this connotative fluidity of meaning to beguit the red connotative fluidity of meaning to beguit the red convincing ideological statement—depends largely on the writer's ability to make persuative use of the gray area between "events supposed to be true" and "pure (sometimes deliberately deceptive) invention."

This course, turning precisely to the relationship between the extremes, will explore the specific nature of the historical novel. Through close analysis of representative examples of the genre, we will examine some of the issues implicit in the definition quoted above. We will also seek to identify the range of devices and techniques the writer of historical fiction were seffectively recreate the dynamic in which, as Goorg lakes argues, "certain criters in the personal device, in the personal devices of the devices themselves to an author's subjective vision of his own historical crisis." The relationship of the devices themselves to an author's subjective vision of his own historical preiod will, of, course, be an integral part of our more general concerns.

Our texts, which will include both "classic" and contemporary works, will be drawn from the literary canon of Europe, Africa, and the American, and will include, many others, Dicknam' A Tale of Two Cities, Lampadusa's The Leopard, V. S. Reid's How Day, Carpentier's Deplosion in a Cathodral, and Achebe's Things Tall Apart.

The class will meet twice weekly for ly-hour sessions. Enrollment is nown.

# PHOTOGRAPHY WORKSHOP II

A workshop to help students continue to develop their creative potential and extend the scope of their conceptions in dealing (continued)

with photography as personal confrontation, aesthetic impressions, and social awareness.

Through lectures, field work, and seminars, students will attempt to integrate wheir own humanistic concerns with a heightened seatherit samistivity. Through the study of a wide variety of photographic experiences and the creation of personal images, the students can ahera a concern for the possibility of expression and the positive influence photography can have upon the seatheric and social environment.

There will be a lab fee of \$20.00. The class will meet once a week for four hours. Enrollment is limited to 12 students. Personal interview required.

## HA 230 THE ANCIENTS AND THE MODERNS

The idea of Modernity is not new. Modernity has a history and its history has been shaped, in part, by the ideology of "modernitm" itself from the Renaissance onward. The idea of Nummation, similarly, has a past that has little to do with sensitivity and much to do with the consolidation of wealth and cultural influence. At one level, this course is about the historical conceptions and misconceptions around being "modern" and "human."

It is also intended as an introduction to the study of history and literature as they are both embroiled in the wars between the Ancients and the Modarns (sometimes called the bactles of the books). These cultural "battles" and "wars" were not waged escularivaly in literaries, of course, and a part of this course is dedicated to understanding the nexus between social and cultural struggles.

The course will be organized into three sections corresponding to three historical conjunctures: the Italian Ramaissance; the sighteenth century in England and France; and the first decades of the "avant-gard" in twentieth-century Europa and America. Each atudent will be encouraged to "hajor" in one area or to integrate divisional work into class discussions. Since the quastions of modernity and humanism are hotly debated in recent feminist and radical (marxist and post-structuralist) writings, athough the focusion will be given individually and in class, although the focusion will be given individually and in class, and home the storical works of the course is on reading literary and some historical texts.

Enrollment is open, but students should discuss their experience and projects with the instructor. Summer reading lists are available. Class will meet for 1-1/2 hour sessions twice a week.

## HA 231b POETRY WRITING WORKSHOP

# Barry Goldensohn

This course will be a group independent atudy with a double constraint-to-both writing and criticism. In practice this means that workshop members have as profound a commitment or redding one another's works as to thair own. The goal of this is to develop a self-critical attitude toward one's own writing situate when are notorious for sening faults and occasionally strengths in others before we see them to ourselves. We team indirectly, but we do learn.

Porms will appear on worksheets that will be available a few days before each class. Work is due each week. Readings will be easigned. A critical essay on a subject of the student's choice is required.

The class will meet twice weekly for 1½ hours. Enrollment is limited to 12 and instructor approval is required. Students wishing to enroll should submit a samuscript to the instructor during the course interview period. Division I students may shaitted with the instructor's parmission.

## HA 234 CAMUS

# Robert Meagher

Soveral years after his death, Susan Sontag wrote of Camus: "Mafka arouses pity and terror, Joyce admiration, Proust and Cide respect, but no writer that I can think of, except Camus, has aroused love."

This course will address itself not to this remarkable man but to his works, which offer not only a pitiless perception of the evil genius of our times but a vision of rare compassion and integrity. We will read and consider all of Camus' major works, ranging from philosophy to fittion to draw of the property of the

Enrollment is open. The class will meet twice weekly for 14-hour sessions.

# AMERICAN LITERARY REALISM: MARK TWAIN, HENRY JAMES. STEPHEN GRANE, THEODORE DREISER

# Richard C. Lyon

Following the Civil War, writers of fiction in the United States counted a rebellion against the sentiments, propriettes, and optibles of genteel literature. The Realists sought not only to capture in their works the look and feel, the sounds and atmosphere of everyday American Air. They wished also to record their disays (in various ways-maps, settric, despatring) in the face of the injustice, inequality and violence which the new democracy and economic exploitation brought with them. Realist fiction thus manifests a double intention: a renewal of the imagination which will also be a renewal of social vision.

We will read several works of short fiction and novels by each of these writers, noting the different ways in which each of these reckons with the public and private crises of their lives and their times.

The class will meet three times a week for one-hour sessions.

## AUTOBIOGRAPHY AS AN AMERICAN CENTE HA 246

## James Hatlack

Autobiogeny) and personal narrative have had a central role both in shaping and expressing American culture from the beginning. In the seriest person the matter from the beginning. In the seriest person the matter and the seriest constant of the seriest person that the seriest person that the seriest constant person the American fronter (e.g., Bradford's Plymouth Flantation). By the eighteenth century, a new nation and people believed (or said we did) that each person and the opportunity to develop free from the tigid that seath person and a religious constraints of week proportion of the seriest of the person sebodied the development and values of the whole people.

Against this tradition of the "self-made" success story in the mineteenth century (e.g., Andrew Carnesis) appear remarkable autobiographies or "song of Myself"); of soble "fellures" (Henry James) and of the counter experience of women, Blacks, and others (Frederick Bouglass, Charlotte Perkins Climan, Booker X. Washington, W. E.S. Dubols, Black Elk). In the twentleth century come a profusion of private lives and public heroscaphed production of private lives and public heroscaphed as tars-sech delinating aspects of the American ruleure in which they lived.

This course will attempt an overview of this rich, important genre as well as an examination of the nature of autobiography, the process of failing one's own story or creating a Self in history. There will be some choice in reading assignments and in written work/projects. Some prior acquaintance with American liturature and/or history is recommended.

Enrollment is limited to 20. There will be two class meetings for week, 1½ hours each. The class will rely on a discussion formar with heavy reading load, and consistent class participation is expected of enrolled students. Enrollment is on a first come, first served basis.

## INTERMEDIATE SCENE STUDY HA 248

## TRA

In this course we will continue to examine the art and craft of acting. The major emphasia will be placed on identifying objectives and learning to purset them in an active and ex-ting way. Will work mainly on realistic and naturalistic scenes. Another component of the class will be work on Sunkasperium sonnets to further the actors' mastery of lan-

This class will meet twice weekly for two-hour sessions. En-rollment is limited to 12 and permission of the instructor is required. Students interested should have already taken a ba-ginning scene study course on the equivalent of the college level.

# MODERN DRAMA AND "REALITY"

Cram is a direct initation of the actions we find in life, thus it is realistic. But draws is also are, a contrived and conventionalized initation of life. In the conventionalized initation of life. In the convention of the conv

Realism has carried the day. We are accustomed to relating a secne or a play to some broader social concext. The slice of life, after all, carried a whole loaf, and our swareness of that whole loaf, and our swareness of that whole are large as second source of "reality" to the stage event. As second source of "reality" in the act of presentation itself, in the structure of the action scene by sceneration timelf, which the acture projects by the expenditure of energy in an organized manner, recurrent activities. In commedia dell'Atte each character type had a repertory of speeches and routines out of which plays were put together. These set pieces in themselves strike a chord of "reality," a characteristical "reality."

That's why they still survive.

The tension between these two main sources of "reality" in the drama will be at the back (and sometimes at the front) of our study of modern and contemporary plays, ranging from losen and contemporary plays, ranging from losen and of Chethov and and Pinter. We will study the "theatricality" of Chethov and and Pinter. We will achieve the "theatricality" to Chethov a well as that of Strindberg and Artaud in an artempt to awold or at least question labels and, by finding our own best matches of analysis, obtain reading performances of individual plays.

Students will be asked to write on each play and present some their work to the class. Neatings will be for one and a haif hours twice a week. Enrolleent is limited to 16 Division II concentrators on a first come, first served basis.

# HEGEL I

# R. Kenyon Bradt

This course will be the first helf of a year-long study of legal's logical system, including his Phenocenclery of Spirit, Science of Logic, and Encyclopedia of the Milosophical Extension of the full system of the full system of the full system and the opportunity of the Course of the full spirit of the full system and the opportunity of the Course of the full spirit of the full system and the opportunity of the Course of the full spirit of the full system and the course of the full spirit of the full system and the course of the full spirit of the full spiri

The class will meet once a week for a hours. Enrollment is

# HEIDEGGER'S BEING AND TU?

# R. Kenyon Bradt

This course is to be a study of Martin Heidegger's <u>Being and Time</u>. Its work simply is to be as thorough a reading of <u>Being and Time</u> as the time of a term will allow.

The course is to meet twice a week for ly-hour sessions. Enrollment is open.

## ORIGINS OF ROMANTICISM HA 269

The counter univer of the 1960's popularized the challenge of the irrational-the intuitive, and emotional aspects of human nature-to the succerate hexemory of racionality, of "see order." In many of its manifestations-the search for estocrate visions, the turn toward officers in the search for estocrate visions, magical practices, and the general adulation of creative faces, magical practices, and the general adulation of creative faces, magical practices, and the general adulation of creative faces, magical practices, and the general adulation of creative faces and the general adulation of creative faces. The production which had also recoiled from the constraints of reason.

Our concern in this seminar will be to look at the relationship of eighteent-eneury (Enlightenment) thought, rooted in a quest for certainties arrived at through reason alone, to the Romantie movement with its atress on the creative, the individual, and the transcendental, which succeeded the Enlightenment. Our approach to a study of the relationship thoughts in the strength and complication of the study of the relationship throught of the study of the relationship to the study of the relationship to the study of the relationship to the study of the scenario successors. We will location the study of the scenario successors. We will consider the attent to which attempts at building a world view on the basis of rational of the scenario rebellion.

Reading list: Montesquieu, <u>Persian Letters</u>; Voltaire, <u>Candide</u>; Rousseau, <u>Nouvelle Heloise</u>; <u>Lacton, Listeone Bangereuser</u>; Sade, <u>Lacton, Candide</u>; <u>Candide</u>; <u>Candide</u>;

The class will meet twice weekly for two-hour sessions. Enrollment is limited to 20. First come, first served.

## HA 280 STITUTO ART CRITIQUE

This class will focus on faculty-student discussion of Divi-sion II studio art work. The level of competence will be that of Division II concentrators. Outside critics will be invited to participate if the quality and quantity of work warrants it.

The class will meet once a week for three hours. Encollment is limited to 15 Division 11 concentrators on a first come, first served basis.

## SHAKESPEARE AND WOOLF

# L. Brown Kennedy

Lovers and mad men have such seething brains, Such shaping phantasics, that apprehend more Than cool reason ever comprehends. The Lunatick, the Lover and the Poet, Are of imagination all compact. "A Midgammer Might" a Draam

In the first part of the course we will read Shakespears (Twelfth Night, As You Like It, Lear, The Tempest, and possibly Hamiet) and in the latter part Wirginia Woolf (Mrg. Bellows, To the Lighthouse, Orlando, A Room of One's Own, and selected essays).

Our main focus will be on the texts, reading them from several perspectives and with some stimulent to their videly different literary and cultural sessuaptions. However, one thread cying together our work on these two authors will be their common interest in the ways human beings loss their freeze of effectence and their sense of themsolves in andmess, loss and of effected actives in love or in secural tip sense. The sense would not sense the sense of the person of the sense of the imagination—in writing, in partry, or in art.

Students will be asked, accordingly, to themselves give shape to three or four short papers.

The method of the course will be: directed close rending, discussion, and periodic lecture. The class will meet twice weekly for ly-hour sessions. Enrollment is limited to 25 on a first come, first served bosls.

## HISTORY OF FILM/PHOTOGRAPHY A 297

# Abraham Ravett

This is an introductory course in the history of film and pho-tography. Through alide lectures, film showings, extensive readings, and case discussion, the course vill relate film and photography of c., technology, philosophy and general cultural concerns. Emphasis will be given to selected work and history of individual photographers and filmsakers.

Enrollment is open. The class will meet once a week for three

# PLAYWRIGHTS' WORKSHOP

urse will focus on the craft and the process of writing

Functioning as a workshop, we will attempt to feater a suppor-tive yet critical atmosphere for our writing. A large part of the learning will be a direct results weekly readings of new script pages. Readings (place) will be assigned but the emphasis is on the school writing. Plays by seebners of the workshop (as well as by former unchers) will receive primary consideration for production during the NEW PLAY FESTIVAL in April.

This course is appropriate for both beginning and experienced playwrights. Fiction writers and poets, as well as Five College students, are especially welcome.

The workshop will meat once a week for three hours. Enrollment is limited to 12 and instructor permission is required. Studen wishing to enroll are required to substite a manuscript (enrollment or the control of the control of the control of the control of the perfect of the control of the control of the control way to destrict with the instruction.

# SCHOOL OF LANGUAGE AND COMMUNICATION

## PHILOSOPHY AND AFFIRMATIVE ACTION

# Jay Garfield

Recent attempts to correct the injustices of sexism and racism through affirmative action or preferential hiring and addissions programs in corporations and universities have raised a storm of controversy, both legal and philosophical.

controversy, both legal and philosophical.

Supporters of such programs argue that they are necessary and justifiable ceams to rectify past wrongs; to bring about a fair distribution of society's goods; and to enhance the quality of or community through increased representation of sinorities and women at all levels and to all sectors of society. Opponents of the proposed process of the section of society is provided to the section of society of the section of society and the section of society and the section of the section o

In this course we will consider this controversy both in the academic and the employment arenas. We will read two principal cases, Bakke and Weber, an number of relevant philosophical and legal cassy class will be divided into teams to argue these cases. So widents briefs will serve as the written work for the market, the class will neet trice a week for 2 hours each seasion. Enrollment is limited to 20 by permission of the instructor.

## SOCIAL CONSEQUENCES OF MASS COMMUNICATION LC 104

# James Miller and Staff

Widespread use of the media of mass communication-newspapers, the cinema, radio, and television-is a common element in modern social life. This use has brought about a variety of changes in human behavior at the individual and collective levels. This section will address one example of the consequences of the of mass communication. The second instructor will be determined the content of the language and Communication feesity. His or her interests will determine the exact subject of the scoinar, which will be ammounted later.

# CHILDREN'S DRAWINGS

Children's drawings mirror their knowledge of the world. We will use child art to gain imaights into cognitive development. Among the topics to be covered are these:

- . From scribbles to representation when and why do children of draw pictures "of something"?
- Units and sequence in children's drawings -- why are stick figures a universal first stage? How do children conceive of the parts of the human figure?
- . Geometric shapes--why do preschoolers draw circles for tri-angles?
- . Spatial perspective--horizon lines; portraying objects behind or ferther away than other objects; taking a constant point of view.
- . Creativity -- are children more creative than adults?

Students are urged to dig out the drawings they cade as chil-dren and bring them to class. In addition, we will have some child visitors draw for us, and each student will complete a mini-research project which will involve collecting examples of

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 20, to be determined by lottery at the first class meeting.

# CONVERSATION ANALYSIS, PART I

In this class ue will begin to examine the patterns that we use to everythy speech. Most of our work will consist of taping, reanceribing, and analyzing conversations between ourselves and friends or family. In our analysis we will look at the influence of group size, gender composition, and relationships on the speech, by looking at specific features in the conversations. In addition to this close exmination of our own conversations, we will begin to study theoretical and methodological factors involved in analyzing conversations, and do rendings which apply to these issues.

Enrollment is open. Class meets for two hours twice a week.

# RESEARCH METHODS FOR REPORTERS

# David Kerr

This course will introduce students to the comparatively recent cuphasis in the journalism profession on the application of social cience research nethods to reporting. We will emplore some of the criticism of the press which led to this development, study a variety of research nethods and discuss their application, and apply these octabes in the field.

The primary texts for this course will be Philip Neyers' Preci-sion Journaliss and William L. Rivers' Finding Pacts. That and other readings will introduce the student to survey research, econocic analysis, unobtrusive measures, and other research nethods which can add to the journalist's ecompatence.

The class will meet twice a wich for 1 1/2 hours each session. Earoliment is limited to 16 wich 10 spaces reserved for enter-ing and Five College student. ' or others, be 'groups chosen by lottery at the first -lass ting (if necessary).

LC 191

PERCEPTION AND KNOWLEDGE: SOME PHILOSOPHICAL PROBLEMS

Christopher Witherspoon

In this seminar we will work on several classical philosophical issues. These concern the nature and possibility of perceptual knowledge; the nature of seeting, and wore generally, of perception; what it is that we perceive, and what if anything we perceive without the mediation of inference, construction, etc.; how we should understand sense-experience and its constituents.

Now We will begin by discussing sections from Bettrand Russell's classic The Problems of Philosophy and some dissenting views of later philosophers stated in articles in Swartz's anthology Percetving, Sensing and Knowing. The central part of the seminar vill consist of critical discussion of parts of two recent books which present some important contributions to the debates on the issues mentioned above, Jacksen's Percepting and Office the Seniar vill consistent of the debates of the part of the Division I examination work of the part of the Division I examination work of any of the participants.

Each student will be expected to give a seminar presentation (perhaps jointly with other students) and to write two papers of 1-8 pages. The seminar will meet twice a week for 1 1/2 hours each time. Enrollment is limited to 12, by lottery.

Allen Hanson

Computing has grown from virtually nothing just thirty short years ago to a position of one of the world's largest industries and this rapid expansion shows few signs of slowing down. The implication is that there can be few people, at least in the industrial countries, who will never have any contact with computers. It seems clear that everyone should have a besic understanding of what computers are, how they are programmed, and how they are used, if for no other reason than self-protection.

they are used, if for no other reason than self-protection.

The focus of this course is on developing this basic understanding through the programming language PASCAL. We will examine the question of what constitutes a program and now programs are written, since any use of the computer requires at least a simple program. The ability to program provides a powerful intellectual tool which can be brought to bear on the control of the program of the provided of the programming capacities, then this course is for you. No previous programming experience-is required, nor is any mathematical maturity assumed.

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 30, with lottery if necessary.

AMERICAN SIGN LANGUAGE AND ITS STRUCTURE LC 195

Judy Shepard-Kegl This course incorporates two subject areas: (1) a study of how one approaches American Sign Language (the language of the deaf community in the United States) from a linguistic point of view; and (2) an introductory course in American Sign Language (ASL).

and (2) an introductory course in American Sign Language (ASL). In the linguistics of ASL we will examine how one would begin to write a grammar of ASL. This will include certain linguistic tasks such as determining what are nouns and verbs in ASL, how sentences are realized, how notions lite subject and object are marked, and how grammatical processes in this language can be stated within various linguistic theories. We will yellow previous linguistic resharch as well as learn or the language of the state of the state

For those who have had no previous context with ASI or who "who to study it from another perspective, an introductory course in ASI will be provided. This course in introductory course in ASI will be provided. This course in the designed to complement the linguistics will consist of lessons in ASI promote, occurrently and a gradual building up of one's reception will be a supported building to the course of the sound of of the sou

No previous knowledge of ASI or linguistics is necessary. The course will neet twice a week for two hours each seasion, and materials will be provided for practice in the linguage lab. It will be organized such that those with previous knowledge of ASI can opt for only the longuage to take the full course. So. However, everyment is beingaged to take the full course. Enrollment is limital to 25 chosen by instructor interview.

COMPUTATIONAL MODELS OF VISUAL PERCEPTION

Alien namion

During the past decade an area of computer science now known as artificial intelligence has emerged as an intellectually important discipline. Artificial intelligence (AI) which is the central polar as a complex information provided by the central goal of AI is to understand the provided of intelligence and, by doing as any people are drawing on these general notions in order to understand human thought from an information-processing point of view. If computers and people depend on the same fundamentals of intelligence, then AI out to be a rich source of setambers and monitoring the provided provided provided the provided provi

The purpose of this course is to develop a snapshot of how computers can provide an experimental environment in which theories can be constructed and teathed, experiments performed, and results obtained. The area chosen to explore is visual perceptions bow is it that we can get a computer to see and perceptions to experiment of any construction of achieve constitution of achieve constitution of the approach to the perceptual above an exercise. We will accurate the constitution of this approach to the perceptual above as feedle. The course will focus prizability for the computer aspect of perception: how will focus prizability of the computer aspect of perception: (continued)

a computer can process visual information, what kind of knowl-edge is necessary in order to interpret this information, and what the information processing structures of Chese kind of models look like. Readings will be drawn from the current lite recture in a relificial incelligence and cognitive psychology.

Enrollment limited to 15, with permission of the instructor. Class will meet twice a week for 1 1/2 hours each session.

LANGUAGE, MYTH, AND THE FEMININE CONSCIOUSNESS LC 204

Do men and women think in separate ways? Can this be seen the languages we use? Does language restrict us to certain ways of thinking that can be described and examined in the of ordinary speech? Do men control, women through the politic control of speech? Can we use other symbol systems to bree out of patterns imposed by language?

Each of these questions opens up many complex and intriguing pathways in the study of language, thought, and the social order, and each has been addressed in different ways by many vriters and theorists. In this class we will begin to form answers to these questions through intensive reading and discussion.

At the beginning of the term we will study the nature of chought and the separation of the conscious sind from the unconscious. We will sowe to an examination of the place of formation of thought, and of the place of the place

The emphasis in this course will be on extensive readings. Theorists and writers whose work we will examine include S. de Beauvoir, B. L. Mborft, J. S. Vygotsky, Erich Neuman, K. Horney, E. Cassirer, G. Orvell, E. Sapir, B. Thorne and M. Henley, N. Chodorou, and D. Agre. Some Continuity of the drawn from the social actence, some Continuity of the State o

This class will be open only to 20 students who have completed Division I examinations in Language and Communication before Fall Term begins. No other requirements will be used in the selection by the instructor. Class ments for two hours twice a week.

LC 206 STRINGS, TREES, AND LANGUAGES

William Marsh

This is a course in beginning mathematical logic which intro-duces the student to the abstract algebraic character of twen-teth century mathematics. It deals with two classes of formal languages, knowledge of which is usually presupposed in the formal areas of linguistics, computer science, cognitive pay-chology, and analytic philosophy.

Context-free languages were defined at mid-century and are probably the fundamental class of languages to consider when one wishes to study the syntax of natural and computer languages. First order languages were defined somewhat earlier and are the stmplest class of languages with a semantics which begins to approximate that of natural languages. While neither class is adequate to the studies of the syntax or semantics of natural or computer languages, they are of fundamental importance in the cognitive sciences.

The instructor hopes to have completed a second draft of a text in time for the course, and fragments of it will be supplemented by short articles of the field continued above. The course is a second of the second of the control of the course of the cour

Enrollment is open. The course will meet twice a week for one hour and once a week for two hours to do mathematics together in class, and students are expected to think and talk together outside of class about what has been done or presented in class.

PHILOSOPHY OF PSYCHOLOGY

Jay Garfield

Psychology, from the st. adpoint of a philosopher, occupies a unique position among he sciences. Few aciences can claim to be as methodologically and substantively volatifie as pytchology. Few have been, in recent times, as much influence by philosophers, and have had as much influence upon philosophers, as psychology. No acience offers the range of problems, from metascientific to metaphysical, for the philosopher to worry about as does psychology.

In this course we will be primarily concerned with philosophical issues surrounding the two major research programs of twentieth century learning theory-behaviorism and cognitivism. We will attempt to extract the methodological and empirical commitments these two traditions embody, and ask what methophysical they suggest reparding the ontology of psychology such they suggest reparding the ontology of psychology sense the cophy of and, and attempt same philosophyloid assessment of

This course will hence be historical as well as philosophical. We shall be concerned to characterize the research programs we discuss as accurately as possible, through reading the work not only of philosophers, but of practicing psychologists as well. We will discuss the work of Vatson, Hull, Tolean, Stkinner, Newell and Simon, Hinaky, Winograd, Schank and Abclson, and J. Anderson, as well as relevant philosophical discussions of these psychologists' work and research programs.

The course will be taught through a combination of lectures and discussions. Students' projects for the course will be determined in consultation the instructor. These will generally involve one or council un-length mapers. Encolment is limited to 20 on a first-come, first-carved basis. The class will neet cute a week for 1 1/2 bours each session.

Christopher Witherspoon

In this course we will work on some philosophical problems raised by scepticism and on others raised by attempts in recent and contemporary philosophy to answer or to refute the sceptic.

The course will have three parts. In the first we will deal with classical and historical material. We will discuss passages from the writings of Sextus Empiricus, Monradame and cartes, and finame in which important people of the content of the c

In the second part, we will study some of the writings of C. F.
Noore (contained in Philosophical Papers and including "Proof
of an External World"), Ludwig Wittgenstein (especially parts of
On Certainty and relevant parts of the Philosophical Investigations), and J. L. Austin ("Other Minds"); in the forties through
tated with a kind of philosophical investigations of the contained with a kind of philosophical intending the contained with a kind of philosophical intending the contained with a secretary contained with a philosophy of ordinary
language.

The final part of the course will be given to consideration of some important contemporary work on scepticism. Among the philosophers we will read are Thompson Clarke ("The Lyagvof scepticism"), Stenley Cavell (parts of The Claim of Examp), and Richard Sorty (parts of Finitophy, and the Mirror of Meurop).

Students interested in this course but lacking background in the history of philosophy are encouraged to work through the relevant chapters in two volumes of W. T. Jones A Rilstory of Vest. sen Philosophy: III, Nobbes to hume and V. The Yountern Control of the Control of the

The conditions for evaluation in this course will be twenty student typewritten pages of finished work: this-may construint a single final term paper or a group of aborter papers done the term. The class will meet once a week for 2 1/2 hours. Enrollant is open.

THEORY OF LANGUAGE: LINGUISTIC AND PSYCHOLOGICAL PERSPECTIVES LC 226

James Gee, Judy Shepard-Kegl, and Neil Stillings

James Gee, Judy Shepard-Kegl, and Neil Stillings Recent work in linguistics and psychology has led to some drep instights into the nature of human language. Linguistic was the term "gramma" for a thory of the property of the digestion and metabolism of the variety of foods that we sat. They are the property of the pr

mental capacities of the human mind that make language possible. The evidence for theories of language comes from a variety of sources. Linguists have come up with powerful hypotheses by asking the deceptively simple question, now can use describe which sequences of sounds from meaningful can use described to make the sequence of th

Imaguage in controlled isouratory situations.

This course is a core course that is intended to give the student the competence in linguistic and psycholinguistic theories and research methods that is needed for further work in the field and in other fields concerned with language. There will be reading for every class and frequent short assignments. The instructors offer tutorials to students sho wish to do extra work on any of the topics introduced in the course. The class will meet four times a week for 112 hours each time. Enrollment is limited to 20, first come, first served.

CHILD LANGUAGE DEVELOPMENT LC 240

Deborah Knapp

Why the big bad wolf can't blow the house down?"

Benjamin, age 3

No one teaches little children the rules of grammer, and yet somehow they learn to talk. And to talk they must easter an incredibly complex system for putting, words together to convey meaning. From the time children may their first words at shocker to convey meaning. From the time children may their first words at shocker a year of age, their languages is mot just a hodgesodge or a ran dome assortment of adult phrases. Look at children with a stall and you will find the their time the conversation of rules, tolke while for the time their control of rules, tolke while for the time their children as new ones are added and oil ones are modified.

In this course we will read the research literature on language acquisition. Among other topics we will cover are these:

Early concepts. Why do children start talking about "mamma" and "dogste," but not "tree" or "refrigerator"? Why might children call all men "daddy"? When do children first start to communicate nonverbally? Are there structures of thought which are common to nonverbal thinking and to the rules of language? (continued)

Order of scutistion. How is the order of learning tules affacted by the complexity of the rules themselves? How by the meaning that the rules express? Which devices are the same for language and which different?

Theories of language accusistion. What role does instation play in language seasier than others? What is the structure of "motherses," the special, simpler language that mothers seen to use when speaking to their babies? What is the biological basis of language in the brain? In what sense can language be said to be "innate"?

Several short papers will be required, in addition to a small research project which will involve recording the speech of at least one child. Some acquaintance with cognitive development and/or linguistics would be helpful, but it is not necessary The class will usect twice as week for 172 hours each size. Encologies to 20, to be determined by interly at the first class meeting.

WORKSHOP: THE MEDIA AND ENERGY CONSERVATION LC 253

Richard Muller and Paul Meyers\*

This workshop has as its purpose the production of informational television materials whose general subject is energy conservation. These materials may take the firm of public service announcements for commercial subject is energy conservation. These materials may take television, documentaries for public or cable television constructional tapes, or short segments on the material search of the second television. The second television control to the second television control television control television to the second television control tel

servation.

Students should have strong preparation in one of two areas: media production or energy conservation. Appropriate background in the energy area would include the production or concurrent consended by the state of the strong conservation in the strong conservation. Surfaground in media work should include successful completion of at least one complex discharge of the project involving location sound and significant editing. Students need not have both kinds of preparation, but one or the other is required. Those who want to take the course should subsult a sample of their prior work in media or energy study (a'course or exam evaluation will suffice) as evidence of their program of the students who intend to register for NS 16' concurrently need not substit prior work.) There will be opportunity for "cross-over" learning: for people with media preparation are nobout energy issues and for energy study click up some basics of the production process. But this is not an introductory course in a tither area.

The course will emphasize the production planning process, and written proposals, scripts, and budgets will be required along with finished tapes and films. These, along with participation in class discussions and critiques, will fore the basis for evaluation in the course.

We will meet twice a week. Friday mornings are the time for discussion, planning, and critiques of work in progress; Honday afternoons we will have a reserved block of TV studio and without ordicing time to facilitate work on projects. A lab fee may be required for students working in loss film. Enrollment is titled to ib, selected by interview with the instructor of course interview with the instructor of course interview day in the fall and based on review of prior work.

\*Paul Meyers is a Division III student in communications.

LC 257

OBJECTIVITY AND THE NEWS: FACT, INTERPRETATION, AND FICTION

Newspapers, magazines, television, and radio try to entertain and to persuade. They also try to inform. As purveyors of "news" the mass media attempt to provide us with an accurate picture of the world as it is. They attempt to tell us what happened and why. They intend, to tell the truth.

happened and why. They intend to tell the truth.

Through case studies drawn from news reports, articles, documentaries, and broadcasts, well exceed the truth.

Through case studies drawn from news reports, articles, documentaries, and broadcasts, well acceptance to the concepts of objectivity, of claiment the success or failton to the concepts of objectivity, of claimens, and of balance. Since every news organization is constrained by budgets, the availability of aquipment and reporters, the profit motive, institutional demands, and deadlines, we will need to consider how these pressures shape the form and content of the news. And we must ask what assumptions and beliefs are at work in determining when fiftens. Are accuracy, inclusiveness, and balance possible? Ought they to be maintained as standards? Is bias another name for interpretation? When does a recital of the facts become a literary fiction? In addition to several articles and essays, the following books will be read in whole or in part:

Between Fact and Fiction, Edward Jay Epstein News from Nowhere, Edward Jay Epstein The Tin Kazoo, Edwin Disandon The Penas, A. J. Liebling Deciding What's News, Herbert J. Gans Making News, Gaye Tuchman Public Opinion, Waiter Lippmann The Information Machines, Ben Bagdikian

The course is best suited for students in the habit of following the news through the media. Enrollment is open. The class will meet twice a week for 1 1/2 hours each session. Several short papers will be assigned.

SOCIAL INTERACTION IN THE CLASSROOMS

Maryl Gearhart

Tenching is not an activity of teachers but a process of inter-action between teachers and learners. This course is a critical assaination of observational research on classroom interactions. We will consider first the wide reage of purposes for classroom research. For example, nose investigators are concerned with evaluating teacher performance of dislogue. We will consider other with the control of the control of the control of the next a number of research paradigms by examining research de-(continued)

signs as well as critical research tools--especially schemes for observation. We will then consider in detail several studies of classrooms.

Studies of classrooms.

Class restions will consist of lectures, discussions, and workshops. Readings will consist of bankin and Biddle's The study of coeching and supplementary research stricles. Course assignments will, and supplementary research stricles. Course assignments will not be a supplementary to the completion of certain research strictles to the completion of certain research and the completion of certain research in bankett classrooms, the analysis of transcripts and video-tages of classrooms, and the summary and report of findings from these data. At the end of the term, students will present in class a detailed research proposal for classroom research and then submit a written version as the final paper.

The class will meet twice a week for 1 1/2 hours each session Enrollment is limited to 15, by interview with the instructor

FOREIGN LANGUAGES

FL 101 FRENCH I Elisabeth Leete

This course is designed for those students with little or no previous training and/or experience in French who want to develop basic language skills. Practice in the four skills of language learning (speaking, understanding, reading, and writing) will be equally emphasized in class presentations. The last half hour of the class will be organized in such a way as to allow the student to focus on a particular skill. This gred excelop an ability course on a previous results will be form the student of focus on a particular skill. This gred excelop an ability course of the student such as the student of focus of the students with the students with the students of the students of the students with the students of the students with the students w

The class will meet twice a week for two hours each time, or gamized around written and oral (French language tapes) ass ments. Enrollment is limited to 15. First come, first ser

Angel Nicto

This course is intended as a two-term sequence in the funda-mentals of spoken and written Spanish. Listening and speaking will be streamed, especially in the first term. The text will be Communication in Spanish, a linguistically based approach to language learning. I tprovides a book with performance objec-tive-type assignments to be done outside of class and a workbook for practice on grammar. Recorded tapps which accompany the text will also be available for use on your own.

Class time will be used primarily to develop comprehension of the spoken language, renounciation, and oral skills through exercises not given in the text. Therefore, although required preparation time outside of class is not great, class attend-ance is important.

The class will meet twice a week for 1 1/2 hours each time Enrollment is limited to 20; first come, first served.

# SCHOOL OF NATURAL SCIENCE

DIVISION 1:

SPACE SCIENCE: TOPICS OF CURRENT ASTRONOMICAL RESEARCH ASTFC 31

William Irvine (st Smith College)

William invine (at smaller of the continuous of the entire solar system is experiencing the first direct exploration by smaller system is experiencing the first direct exploration by marking. Each of the planets, and in fact each of the planets moons, is gradually being revealed as a unique vorid both similar to and also wastly different from the earth. The course will describe our current knowledge of the planets and satellites, focusing on used questions as conditions on the surface of Venus, the nature of the Venus clouds, the possibility of extractreatrial life, recent explorations, the possibility of extractreatrial life, recent explorations, the possibility of extractreatrial life, recent explorations. Text: Moons and Planets, Markann. Requirements: term paper and final exam. This is a Division I course.

Class will meet Tuesday and Thursday; 2:30 - 3:45.

EXTRATERRESTRIAL INTELLIGENCE

Kurtiss Gordon

Since the Copernican revolution, our concept of the size of the universe has continuously increased while our concept of the uniqueness of our place in the universe has been repeatedly diminished. The idea that intelligent beings may exist on other worlds has fastinated mankind for hundreds of years. We are at last clone to the time when extraterrestrial communications are the possible. How can we communicated have there outled the possible of the communication of the contract of the contr

sider:

a) the astronomical evidence - What factors determine how many planets are suitable for life, and how close to earth the nearest one may be?

b) the biological evidence - What constitutes life on earth?

Bow did it evolve? What conditions and how much like are necessary for intelligence to emerge?

c) the nature of communication when the many many constitutes are necessary for intelligence to emerge?

c) the nature of communication when the many constitutes are necessary to the communication of been diplications of been dipline, or other nonhuman species?

d) philosophical implications - Should we transmit? or just listen?

Readings will include selections from textbooks and articles (continued)

in current journals. The course will meet for 1-1/2 hours twite a week for the first 6 weeks and last 2 weeks of the twee. In the intervening time, the students will be expected to complete individual or group projects, which will be presented to the class during the latter part of the term and which may be developed into Division I exams. In past terms, student projects have included -recreation of the classic operation of produce main acids from longand principles of the classic operation of the classic operation of the tweether than the conditions believed to have examination of the evidence for detection of planets around nearby sterms.

-examination of the evaluation of mainty stars; the largest of the Orson Welles War of the Worlds radio broadcast; e-evaluation of physical, biological (and psychological?) impediments to human-dolphin communication, and attempts to overcome them.

EVOLUTION OF THE EARTH

John Reid

John Reid

The course will deal with the earth's evolution from row points of view. At the outset, we will consider the earth's development from the earth solar recommendation of the earth of the eart

Assignments will include readings from both a text and the original literature. Students will be expected to complete an independent research project related to the coursework.

Enrollment limit: 20 students. Two 1-1/2 hour class meetings plus one 3 hour field trip/lab per week. Enrollment is on a first come, first served basis.

NS 117 TROPICAL MARINE ECOLOGY (minicourse) Van Rasite, N. Goddard, G. Goddard (UMass)

... an maulte, n. ucouato, u. Locoato (urass)
This short, informal course will prepare students for our
January term course in St. Johns, Virgin Islands. We will
discuss coral reef, sangrove, and tropical rain forest
communities. All students who anticipate taking the January
term course must enroll at this time. In order to receive
an evaluation the students must participate in the January
term trip. All interested people are invited to the first
meeting where they will receive further information about
the course and trip.

HUMAN BIOLOGY: TOPICS IN PHYSIOLOGY, MEDICINE, AND PUBLIC HEALTH

Foster, Bruno, Goddard, Woodhull

Medicine is an applied acience. It is a combination of keen observation, laboratory analysis, and knowledge of physical blochmattry and browned the cholect of treats below the cholect of treats below. This program will explore the celentific basis of medicine through the following three required activities:

required activities:

Senian's and Promentary - Sach atudent is asked to choose one of the following sentanrs: Learning to Live With it. Human Mevcenent Physiology, Male & Female Reproductive Function, The Human Sys. Detailed descriptions of these sections are included below. Each seniant will be taught by a different function of the senial manager of medicine or public health. All of them will focus on the synchronical basis of the topic chrough discussion of papers perment of student profilerators. Can be subjected to the senial manager of the topic chrough discussion of papers. The senial profileration is the senial profileration of th

and the CPG sections.

<u>laboratory experience</u> - There will be a weekly laboratory lecture/demonstration given by John Foster on some particular clinical laboratory procedure, followed by opportunity to the procedure yourself: in the beginning of the procedure yourself: in the procedure yourself: in the procedure yourself: in the procedure yourself will be introduced. All students are subjected of the seminary will be introduced. All students are strongly encouraged to participate in the laboratory program. The laboratory will be staffed most of the time so students can work at times convenient to them, and so that help will be available for students wishing to undertake clinical projects of their own design. Lab will meet one afternoon a week.

o week. Chinicopathologic Conferences (CPC's) - Practicing physicians will be invited to present case material, drawn from their own practices, illustrating the application of physical findings and laboratory data to disgnosis and treatment of disease. The CPC's and the laboratory program will be closely correlated so that our valtors can assume the class has some familiarity with the clinical meth-ds they are using in dealing with cases they present. (the vill meet once a week for two hours. HUMAN BIOLOGY PROBLEM 447. Learning to Live With It (NS 121a)

John Foster
When a sewere and/or chronic iliness strikes the fabric of a family is often sewerely strained. Family members often do not fully understand what has hoppened to a victim, do not know that say happen next, own to make and cannot come to to terms with the long-town to make and cannot come to to terms with the long-town consequences of the iliness. This status of the consequence of the iliness. This status of the consequence of the iliness. This status of the consequence is the iliness of the status of the iliness in the first 5 or 5 weeks. We will learn the relevant physiology and blochesistry, examine some of the current research sized at a better understanding of the disease and a more rational treatment of it, and look at the way our health care delivery system does or does not doe not deal with the problem. The remainder (continued)

of the semester will be devoted to studies which the students will choose. Class cine will them be devoted to individual conferences with the termination of the provided at the present the results of their studies to present the results of their studies to the rest of the class. Class will meet for 1-1/2 hours twice a week. Enrollment limit: 16 (12 new students, 4 old students) Be sure to read general description of Human Biology program above.

HUMAN BIOLOGY PROSEMINAR: Human Movement Physiology (NS 121b) Ann Woodhull

This course is for dancers, athletes, and others the are interested in how their bodie moves the still not attempt to any any and any and any any and any any any any any anymenaty. Bather, by reading scientific appers we util look closely at how sciencias try to obtain information on muscle use and control.

I think it is both important and exciting to apply biologists' results and theories to our own bodies. In addition, we can extend our ideas about movement (into the laboratory by measuring muscle activity with the electromyograph. No science background is needed. Class will need for 1-1/2 hours surice a week. Enrolloent limit: 16 (12 new students) Instruction to the course. The survey of the course of the survey of the science of the course of the survey of th

HUMAN BIOLOGY SEMINAR: Male & Female Reproductive Function
(NS 121c) Nancy Goddard

Nancy Goddard
What are the biological bases of sexuality? What factors
Influence one's sen drive, sexual behavior, ability to success
fully reproduce (or to avoid it, for that matter)? Are there
biological events that happen to a person even before birth
that greatly affect one's sexuality as an adult? What determines "saleness" or "emaleness", anyway? Are there effective
means of correcting nature's coprice; that is, how far can we
go toward changing the nature of one's sex through genetic
surgery; through transsexual operations? These prethe questions that will be approximately a sexuality as
the question of the sexuality as the control of the conworking knowledge of those systems directly concerned with
one's sexuality; 2) to introduce students to the mode of
inquiry used in science and facilitate use of the toola needed
to answer certain questions.

Class will meet 1-1/2 hours twice weekly for the first six weeks to discuss selected literature, view files, and meet with appropriate outside persons engaged in relevant fields. At the 7th week the class will break to work on projects, remains; for the presentation of these projects during the final two weeks of the semester. We note to read general description of thmum slolegy program above.

HUMAN BIOLOGY SEMINAR: The Human Eye (NS 121d)

Merle Bruno

Merie Bruno

For the first six weeks of the semester the students in this
study section will learn to read research articles, will study
the anatomy, physiclogy and optics of the eye, and will look
into and out of the student students of the semester
that the students of the students of the semester
sanong the possible topics are: eye training to improve vision,
visual illusions, and diseases of the eye. Class will meet
for 1-1/2 hours twice a week. Encollment is limited to 16.
Instructor permission required. Be sure to read general
description of Human Biology program above.

NS 137 BIOPOLITICS .

Michael Gross

Participants in this course will become critics, editors, and semanchers contributing to a book with the same title. Its subject is the application of various biological concepts and theories to social theory and public policy, in relation to such topics as population and food supply, race and inselligence, sociobiology, sex differences and homosexuality, hyperactivity. In each of these areas, scientific results have been applied to, or alleged to bear on, questions of social subject in the social subject in the purpose of the social subject is the validity of the scientific conclusion and to available their relevance to the bucklop-litted questions.

The course will run s full year: the topics covered each secenter will be announced at the beginning of the sementer. Students enrolled during the Pall secenter may, after discussion, with the instructor, wish to continue. Students may enroll in the Spring without having caken the first half of the course, the previous secenter.

the previous semester.

As to the format, I will distribute, pariodically, drafts of portions of the manuscript. Since the intended audience is the educated layersens (rather than specialists, wou will be ideal critical readers. As the property of the property of the learning how to do researchly habing to fill in the gapenthe areas would be provided by the property of the property of the provided by the provided by the property of the provided by the provid

Host of the readings will be library materials or handouts, but I recommend strongly that you purchase and read Peter Elbow's Writing Without Teachers.

Written work will to some steens depend on how such you choose to undertake, but system to produce nome thirty spages during the sensers. The sensers of the

Class will meet for 1-1/2 hours twice a week.

NS 149

Paul Slater

In this course we will review several selected topics which are important to the understanding of our modern agricultural (continued)

system, its problems, and its potential. Some of the topics will be:

The New England Farm Center and its potential role in the revitalization of New England's agriculture.

An overview of the history of land use in the US; important for an understanding of our present attitudes toward the land.

3) Integrated Pest Management. What is IPM, how does it work, what does it replace?

4) The preservation of agricultural land. Is this necessary? The instructor believes that it is, therefore we will review the various methods that have been devised to help accomplish this goal.

5) Energy use in agriculture. As energy becomes more costly and perhaps less readily available, a closer look at our Thergy-intensive agricultural system appears to be indicated.

There will be several field trips, weather and availability of transportation permitting.

A term paper on an agricultural topic of the student's choice (with instructor's approval) is required for an evaluation or, in the case of Five College students, a grade.

Enrollmens is open. The class will meet three times a week for 1-1/2 hours each.

PHYSIOLOGICAL BASIS OF AGRICULTURE (minicourse)

S. Goldhor, C. Van Raalte, and P. Slater

o. wolanor, C. Van Kaalte, and P. Slater

Economists look at production as a function of dollars;
agriculturalists look at it in terms of breeding and management systems. We look at it as the result of a remarker
course is for students who want to learn about the biological
aspects of agriculture and who are seriously interested in
working with us on the behavior, physiology and ecology of the
animals with which we work. Research will be conducted on
sheep, livestock guarding dogs, and sider. Classes will
begin at the beginning or the behavior of the conducted on
the course of the course of the course. We expect that the student projects will continue on through
the term.

Class will meet twice a week. Once for 1-1/2 hours and once for 3-1/2 hours.

TOPICS IN EXPERIMENTAL DESIGN AND QUANTITATIVE THINKING NS 162 (SS 162)

Michael Sutherland

Michael Sutherland

This course is intended for students who might be interested in an experiental Division I project. No will explore the design and interpretation of experients through before reading assignments, computer and written work on topics edges assignments, computer and written work on topics edges are represented by the control of the c

Increasing and ultimately unbearable pressures will be brought to bear on students to go beyond simple attendance. Evaluations will be based entirely on class participation, assignment completion, and the personal whim of the instructor.

The class will meet for 1-1/2 hours twice a week.

ENERGY CONSERVATION IN THE HOME NS 167

Herle Bruno and Lloyd Williams

The earth's store of fossil fuels is finite, and we are using these fuels at such a rapid rate that we say see them run out in the near future. Safe and practical alternative sources of energy have not yet been developed for strict conservation of our present, energy sources of the fuel of the

In this course students will learn how to estimate the amount of heat lest from a home during the heating season, how to improve hencys efficiency of a home, and how to estimate the committee hearts of these improvements to the homeowner. The till learn this process by performing this "mustir surfer as anny homeowners (or renters) as we can schedule. Students will also prepare reports for the homeowners which summarize their findings and recommendations.

Each student will be expected to work on an individual or group project. Previous technical or mathematical training is not necessary for most of these projects. Example assure the activities and projects are: experience projects of the experience of the experience of an inexpensive for any asystems; design construction of an inexpensive furnece of the experience in the experience of the

We will nest for two ]-1/2 hour classes and one afternoon lab each week. Classes will be devoted to lectures, demonstrations, and discussions. Laboratory time will be used to work on experiments, take field trips to homes, etc. Students should expect to spend additional time set to spend additional time set to spend additional time set to set to see the set of the set of

CONSERVATION OF NATURAL RESOURCES

Archur Westing

An examination of the ecological principles and social problems percaining to the conservation of our air, water, soil, wegetation, wildlife, fishery, and non-renewable natural resources.

Conservation is here viewed as the vise use of our natural resources; in other words, as that field of applied ecology sized at insuring a continuous yield or useful plants, animals, and materials by the establishment of a balanced cycle of harvest and renewal. Both the banefits and detriments human tampering with nature will be streemed additionable between human tampering with nature will be streemed and extracted intensible qualtimes of our environment, and our responsibility to future generations will provide underlying themse.

Students are expected to attend class regularly and to participate in the discussions. Readings will consist of a number of books and articles. Two reports will be required.

Division I level; no prerequisite: enrollment limited to 20 (lottery, if necessary, at the first class meeting); grades available for Five College students.

Class will meet for 1-1/2 hours twice a week.

DIVISION 11:

ASTFC 21 STARS

George Greenstein (lectures) Amherst College (labs) Mount Holyoke College

Stars and stellar evolution for students interested in a quantitative introductory course. Observational data on stars: masses, radit, and the Meroprung-Russell diagram at basic equations of stellar structure. Nuclear energy generation in stars and the origin of the elements. The three possible ways a star can die: white dwarfs, pulsars and black holes.

Prerequisites: One semester of calculus and one semester of some physical science. This is a Division II course.

This course will meet Hondays and Wednesdays 1:25 to 3:20 p.m. Labs are open five nights a week at Hount Holyoke College.

ASTRONOMICAL OBSERVATION ASTEC 37

Tom Dennis (at Mount Holyoke College)

Basic astronomical techniques (photographic photometry, photoslectric photometry, spectral classification, and radi evolution to the photometry, spectral classification, and reduced to the photographic consistency and literature as applied to astronomical problems: physical and dynumalcal properties of stars, spectroscopic binaries, attractures, Readings will include selected journal articles. Requisites: ! seemsetr astronomy, ! semester physics. This is a Division II course.

Class will meet Mondays and Wednesdays 2:30 - 3:45 PM and evening labs, time to be announced.

ASTFC 43 ASTROPHYSICS 1: STELLAR STRUCTURE

E.R. Harrison (at U. Mass, GRC 534)

The basic equations of stellar structure and thef, solution; polytropes; the virial theorem; energy transport in stars by radiation, conduction, and convection; atomic processes leading to stellar opacity; nuclear energy generation in stars; stellar evolution. Regulation: ASTC 23 and the physics sequence, or permission of instructor. This is a Division II course.

Class will meat Mondays and Fridays 1:25 - 3:20 PM.

HOLOGRAPHY AND OPTICS II NS 207

Janet Van Blerkom

This course is primīrily a lab course which will allow students to experiment with holographic and optical systems involving the laser. It is intended for students who have taken two semesters of Basic Physics or the equivalent. Previous experience in holography is also destraidle. As a trace dictates, the students could form a discussive group for a detailed examination of topics in advanced optics.

Prerequisites: Two semesters of Basic Physics or the

Class will meet once a week for 1-1/2 hours to arrange for and discuss each week's laboratory experiment.

ORCANIC CHEMISTRY (FALL)

Nancy Lowry

The first semester of organic chemistry focuses on the struc-ture of molecules and how the structure influences reaction pathways. Reference is ambed often to biological implications. Several problem states are maskined and collected. Two hours a work of laboratory are scheduled but more time is needed to complete the experiments.

Text: Mortison and Boyd, <u>Organic Chemistry</u>, Third Edition. A high school introduction to chamistry is essential: Division I students may take the course if they chack with the instruc-tor.

Class will meet three mornings a Gock for 1-1/2 hours, plus one lab per week.

AMERICAN ENVIRONMENTAL HISTORY

Ralph Lutts

Ralph Lutts

The history of the United States has also been a history of the use, alsues and stewardship of its environment. This course will awarine this history in an effort to better understand the origins of our contemporary environmental attitudes and practices. In addition, we will spend time reviewing the development of the science of ecology and our ecological understanding of our world. Special attention will be given to two important periods: the first decade of this century, during which he previews the endit of the conservation novement began and public inverse the province of the contraction of the co

We will use Petulla's American Environmental History as a core-text. The bulk of our reading, however, will be from a wartery of books and appers, including a good deal of original source material. Division II students should expect to do a lot of library work and to write a major research paper in addition to a couple of short pieces.

Division III students who are doing work in history, ecology, public policy, etc., related to the general theses of this course are inviced to consider using it as an integrative seninar. They should first speak with the instructor and receive purmission for so doing. Division III seninar requirements will be negotiated with the instructor and should include sing your Division III work with the class in a context appropriate to the course. This must all be arranged at the start of the seconter.

Enrollment open (Division II), or by the instructor's persission (Division III). Class will meet for 1-1/2 hours twice a week. If the class gets large we may divide into smaller seminar groups once a week.

NS 222 (<u>OP 222</u>)

INTERPRETIVE NATURAL HISTORY

Ralph Lutts

A course for people who want to develop the skills to teach natural history in an outdoor setting. For details refer to the Outdoors Program course OF 222.

THE EVOLUTION AND BEHAVIOR OF DOMESTIC ANIMALS NS 230

Raymond Coppinger

Domestic cattle, swime and fowl continue their neolithic revo-lutionary impact on the cultural and ecological surface of the earth. All but one of the continents devote extensive tracts of land to these anianis, animals which not only shaped the land but also affected the climate. Were are fought over them; compacts are based on them.

These animals are also fascinating to study from a behavior and evolutionary point of view. Selections for growth rate, repreductive rate, and doctile behavior gave us a practical understanding of the evolutionary process and were a major factor in tipping Darwin off contactal selection. Many of these animals amesstors attil exist, and have been studied in detail. Their descendants exist locally and are available for study in their "hatural environment."

This is a Division II course/seminar. We will explore processes of evolutionary change such as necteny and allometry, plus well study in detail the evolution of their behavior. A student with no training in genetics, anatomy, physiology, or basic behavior must expect to make up those deficiencies during the course. The course requires students to prepare discussion topics for class presentation, annotated bibliographies on various topics, and to subsit a major review paper.

Class will meet twice a week for 1-1/2 hours each.

NS 243 (LC 243)

COMPUTERS IN THE LAB: HARDWARE, SOFTWARE AND INTERFACE

Albert Woodhull and Allen Hanson

The recent availability of very inexpensive integrated circuit computer components means that now a computer is not just a machine with which you correspond by expertier. Hisrocomputers are being built into household gadge and laboratory instruments, and small general purpose computers now cost less than the terminals needed for communication with the larger machines.

For anyone planning to do laboratory work in science some under standing of how these small computers work and some familiarity with the basic electronic techniques for directly interfacing the small computer with an experiment are becoming ever more unaful.

This course is an introduction to electronics and an intro-duction to those computer techniques necessary for controlling interface circultry. No experience in either electronics or programming is necessary.

The course will be attructured around one or two real experimental or data collection problems, and production of a working system in which hardware and software components work together properly will be the goal. Students who forease a Division ill project or other advanced work in which computer interfacing will play andle are urged to contact Al Woodhull before the course begins.

There will be two 1-1/2 hour class meetings a week, with both lecture and laboratory activities in these times. Some assignments will require lab work outside of class hours.

Enrollment limit 20 students, selection by interview if necessary.

CELI, BIOLOGY

Lynn Miller

i caurso is part of the three course biology ocquents.

Including physiology and ecology) and is no introduction

Cell orrective and function. Topics include genetics,

Thallen, nutritional requirements, and blocked stry.

(continued)

Students will work with several faculty on research projects related to cell biology, e.g., photosynthesis, nitrogen fixation, microbial genetics.

The course is structured as two 1-1/2 hour lectures, an aftermoon lab, and a discussion period each week.

PHYSIOLOGY IN STRENUOUS EXERCISE

Anthony Melchionda

This course will be open to 10 (12 maximum) students who are, or expect to be, engaged in a mericous training programs of surimming, peddling, running, or cycling. It will "build" on the basic physiology course (a prerequisite), trying to understand the changes that occur in humans engaged in streamous exercise of long duration. We will cover the cardiorespiratory, vascular, nutritional, unsuclonskeletal aspects of training as well as the psychological dimension and problems such as injuries. There is a wast current literature awallable which touches on many aspects of this subject and our hope is to make the reading/investigative part as relevant as possible to the training aspect.

I hope to use our exercise "lab" at the Health Services for some baseline and progress data on body composition, cardiac function and respiratory functions.

Participants must have had a basic physiolegy course

Enrollment is limited to 12 students. Permission of Instructor

Class will meet once weekly for 2-1/2 hours. "Lab" times will be flexible.

NS 260 THE CALCULUS

David Kelly

The calculus provides the language and some powerful iteols for the study of change. We'll sweld the paradoxes of infinity and still talk of instanceous swlectices, infinite sums, and ratios of infinitesimals. Differentiation and integration will be defined and applied to the study of tangent lines, slopes of curves, areas, volumes, free fall and other motion, periodicity, exponential growth and deby, carbon dating, the spread of rumors, and inflationary spirals.

This course introduces the basic concepts, techniques, examples, and applications of the standard two sementer college treatment of the standard two sementer college treatment and integral calculus, including the elementary transcendental functions, Taylor series, and differential equations. The pace will be brick and a firm grasp of high school algebra is recommended. There will be delly drill work, lots of problems, a weekly (incessary) evening problem sension, and a little history and philosophy.

Class will ment three times a work for 1-1/2 hours each, and problem help time will be arranged. Participants are expected to attend, in addition, a weekly evening problem session.

MATH FOR SCIENTISTS AND SOCIAL SCIENTISTS

Kenneth Hoffman

Traditionally, the mathematical preparation for scientiats and quantitatively—minded social scientiats begins with a year or more of the calculus. Easy access to high speed computers has increased the usefulness of other tools. For almost all scientists and social actentiats (with present the scientists with the content of physiciats and engineer) the content of this course is more appropriate than calculus. Topics will include:

Functions and graphs
Computer simulation, calculation, and plotting
Wilesantary linear algebra (vectors and matrices)
Linear Hodels (including input-output analysis, linear
regression, and snalysis of variance)
Concepts of the calculus/(the language and its' interpretations)
Uniference sechods (applied to approximating solutions to
differential equations)
Elementary probability and statistics (including the use of
interactive statistical programs to save, modify and analyse
data)

No previous programming experience is required; the computer will be used throughout the course.

Classes will meet three times a week for I hour each session; additional evening, problem sessions will be scheduled using on-campus conching assistants. Regular substantial problem sets will be assigned and will constitute the heart of the course work.

MODERN ALGEBRA NS 269

Kenneth Hoffman

The language and tools of modern algebra—groups, rings, fields, vector spaces, etc.—have evolved in the 150 years since the death of Galois and Abel to the point where they now pervade nearly all branches of mathematics, as well as other fields as diverse as quantum mechanics, crystallography, coding theory, and some branches of linguistics. We will specified the vectorists of the control of t

The course will masume a fairly high level of mathematical sophistication. Those who have completed the Linear Analysis course or who have had a year of math obser the level of introductory calculus should be adequately prepared; all others should check with the instructor. The course will meet for two initial course of the course will meet for two initials.

NS 281 BOOK SEMINAR IN PHYSICS

This seginar is intended for students concentrating in physica and for those in other areas who wish to do advanced work in physics. The lass will iron, dintus, and solve problems from an upper level undergraduate physics to non of the juli-wing subjects: mechanics, electrodynamics, thereal physics, quantum theory, aptics, accusation or fluid movimies. The choice of book and subject matter will be made by the students thems lives. Interested anudents should meet floribe between the problems are designed in the problems of the problems. The choice of the data will be made by the students thems lives. Interested anudents should meet floribe between the problems are designed in the problems. The problems is the problems of the problems.

Science School meeting (10:30 a.m. outside CSC 114) to make this choice. Students who have not taken one year of Basic Physics or the equivalent should not take this course.

Cines will meet once a week for three hours or so-

BASIC PHYSICS II

Van Blerkom, Bernstein, Gordon & Staff

This course is the second semester of an introductory physics course. It is designed to provide a rigorous introduction to the fundamentals of physics for those students who citchis concentrating in natural science. The first semester of othis that the student of the semester of the semester of the semester of the students of the semester of the semester of the semester of the students of the semester of the students of the semester of the semester of the semester of the students of the semester of the se

The course is divided into several modules raught by different instructors, some of whom are not primarily physicists but are people whose work requires a knowledge of physics. These different perspectives are intended to make the course more relevant and "maningful to students who are not physics concentrators."

The topics covered in the Spring semester were concepts of measurement, classical mechanics, and thermodynamics. This second semester course (Fall 1980) will deal with electricity and magnetian, waves, optics, spectroscopy and the quantum

Class will meet three times a week for 1-1/2 hours each. In addition, the course will include saveral laboratory experiments on alternate weeks, coordinated to the lecture material. Students must reserve an afternoon on alternate weeks for their laboratory attendance. Students will also meet weekly in small group sessions with individual faculty evaluators.

THE ENTERPRISE OF SCIENCE: CASE STUDIES IN THE HISTORICAL DEVELOPMENT AND THE SOCIAL AND ETHICAL RELATIONSHIPS OF THE INSTITUTION OF SCIENCE TO OTHER INSTITUTIONS IN WESTERN CULTURE NS 286

Goldberg, Gross, Lutts, and Rinard

In recent years the scientific community has been held respon-sible for the creation of a number of crises within our culture. One example is the development of insecticles; fungicides, and harbitides of immines power and the subsequent contemination of the world's land and water resources. Hamy other examples could be cited in such diverse fields as gardenesses and selection, geology, generates, physics, chemistry, and a host of others.

Thirty years ago, the picture was much different. At the end of World War II, science was seen as providing the solutions to problems which had never been solvable: it was through the application of science that the world would rid itself of all the cares of survival.

In this full year course, we seek to understand the niche that science occupies within the culture and how actitudes roward science from within and without the scientific community are formed and change. To this end we neek to understanding the tweether science and technologies and the relationship between theory, evidence, mails matter. In pursuing our goal we will seamine the following topics:

between theory, evidence, values and ethics.

Fall Term:

A. The Sixteenth and Seventeenth Centuries

1. The Sixteenth Century

2. The Sixteenth Century

2. The Eighteenth Century

3. The First Energy Citais: The Denuding of European Forests.

8. The Eighteenth Century

1. The Worton of Progress: Science in the Enlightenment Era.

2. The Sixteenth Century

2. The Sixteenth Century

3. The Theory of Manacenth and Twentieth Centuries

4. Evolutionary Theory, Uniformitarianis & Volkovsky's Catastrophiss.

3. The Theory of Relativity and Social Relativity.

4. Structural Chemistry, Chetical Technology and the

5. Structural Theory, Nobecular Biology, and Recombinant DNA

6. Theories of Personality and the Technology of Therapy.

7. Objectivity and the Social Sciences: The Case of Intelligence Tenting.

8. Ecological Theory, Game Monagement and Social Responding Sudderstanding the Human R.dy and Medical Technology.

10. Buman Engineering and Medical Ethics.

With the permission of an instructor scudents may entoll in the.

With the permission of an instructor students may enroll in the Spring Term without having taken the first half of the course in the previous semester.

The course will meet 1-1/2 hours twice a week for lecture and discussion. Each student will be expected to write a major paper on a topic of his or her choice from within the framework of the focus of the course.

# SCHOOL OF SOCIAL SCIENCE

HUMANITY: UNITY AND DIVERSITY

Leonard B. Glick

To be human is to share in the evolutionary heritage of the entire human species; it is also to be an individual in a particular society with a unique history and culture. Anthropolony, the study of humanity, calls attention, therefore, to our unity as members of a single species and to the diverse ways in which particular groups express their versions of what it means to be human.

This course is divided into several related parts aiming for progressive development of your ability to think about human behavior in cross-cultural perspective; I) Seconing function function unfamiliar behavior in an observe part of the world: a study of life in the mountainous interior of New Guinray, based partly on my own field work. 2) Comparative analysts of two especially networthy aspects of New Guinra Highlands culture: (continued)

ethical standards and relations between the sexes. 3) Cross-cultural study of two universal phenomena in human life: a) beliefs in spirits, spirit possession, and the use of spiritual power by shamans and others; b) mental disorder: definitions, manifestations, and treatment metheds. In commercion with both topics we'll also discuss uses of alrohol and drugs in various cultures.

cultures. The lift hour meetings each week; the first will be primarily for a lecture introducing the week's topic, the second for discussion. Students will be expected to prepare a 1-2 page commentary each week, to serve as fe-ndation for participation in the discussion. Toward the end of the term each student will write a 6-8 page paper on an ethnographic or cross-cultural topic - preferably spectful at drawly begin in your commentary papers. Reductions will be based on class participation and written work.

A Wednesday evening film series (7-9 P.M.) will be directly integrated with the course and should be considered in scheduling. Enrollment limited to 20; first come, first served.

CHANGE IN THE LEGAL PROFESSION: PERSPECTIVES IN LAWYERING SS 109

Oliver Fowlkes

The course will look at the umorgance of lawyer power and status, examine the underpinnings of the legal profession and compare them with those underlying medicine and other professions. Emphasis will be placed on servicities, changing modes of practice such as a servicities, and it is a procession of the profession. The procession is a servicine to the profession of the profession.

Among course readings the following books will be considered: Auerbach, <u>Unequal Justice</u>: Black (ed.). The Radical <u>Lawyers</u>; Carlin, <u>Lawyers Ethics</u>; Rosenthal, <u>Lawyer-Client</u>: <u>Whose in</u> <u>Charge</u>?; and Soigal, <u>The Wall Street Lawyers</u>.

This Division I course will require a fair amount of reading and paper writing and is designed to raise issues which might be investigated and parlayed into Division I exam topics: the instructor will supervise course partitionate in a special workshop for developing and completing retrievants in a special workshop for developing and completing reto 23 and students will be chosen by lot. Class will meet for 1-1/2 hours twice a week.

PROBLEMS IN URBAN POLITICAL ECONOMI SS 113

Lloyd Hogan

Lloyd Hogan

The course is designed as an exercise in methods of inquiry by economists. Urban living in a highly developed technological content of the property of the property of the content of the property of the content of the property of the property

The course will meet twice a week for 15 hours each session. Enrollment is limited to 20. First come, first served.

PEASANT REVOLUTION AND VILLAGE SOCIETY IN MODERN CHINA

This course will study the role of the peasantry in the Chinese revolution and the impact of socialist developm on peasant village life.

on pensant village life.

The course will begin by considering general theories (Marx, Engels, Lenia, Hobbbus, Mao) which look at the reasons peasants rebel, the nature of peasant pelitade the content of the strength and weakness of the strength and the strength of the strength and the development of the Mooist approach to peasant revolution. Finally, the course will investigate the role of the peasant in the Maoist Strength of post-revolutionary sociation. Finally, the course will investigate the role of the peasant in the Maoist Strength of post-revolutionary sociation. The general them of the course will be to attempt to evaluate theory by tracking the major lines of continuity and change in Chinase peasant society, considering the potential and limits change and socialist modernization.

The course will be organized into informal lectures (which will present general background, comparisons with other sacieties and same material gathered in a recent vis; to a Chinner willage) and student-led workshops based on course readings and related topics generated by the particular inscreasts of the porticipants.

Enrollment is limited to 20. The course will meet twice a week for 15 hours each meeting. First come, first served.

SOCIAL CONTROL AND DISPUTE SETTLEMENT SS 122

Anthropologists are well-known for studying the exotic: risual chest-pounding among Amazonian indiana, anthropophagis revenge (cannibalian) among the studying and the studying convergence of the studying the study

(continued)

settlements. Yet the underlying issues, for the individuals involved and society at large, are similar: problems of keeping order, of containing violence, of achieving just represent a greater of greater of the problems of the problems of the policy of the problems of the policy of the variety of the social, political and cultural factors which shape the ways in which conflict is managed and disputes are dealt with. Problems of dispute bundling in the contemporary U.S. will be of special concern, with attention to part (turn of the century) and present efforts to develop 'nnovaries ways of handing so-called "minor" disputes which seems of the problems of disputes which seems of the problems of the problems will be particularly emphasized, a range of literature - in political science, sociology, and law, as well as field observation, will be used in the course. The class will need twice a week. Errollment is first come, with a limit of 20.

SS 129 . THE WORLD FOOD CRISIS

Ray Coppinger and Frank Holmquist

The course combines nateral and social science perspectives on the current world flood situation with particular emphasis in New England, the United States, and third world spricular emphasis in New England, the United States, and third world spricular combination of the extent to which trends and the present situation justify the term "crisis remains and selected food and earlier of the study of the rise of springly. The historical for the study of the rise of modern agriculture in the United States involving rapid technological change, an export orientation, the rise of agricultures will provide groundwork for the study of the rise of modern agriculture in the United States involving rapid technological change, an export orientation, the rise of agricultures and entralized tood market (ingual processing system, fossil fuel dependence, the precerious condition of the small farmer, and efforts to receive rarial communities around a small farmer base. The second of the small farmer has the second of the small farmer has a considered to the second of the small farmer has been described as a consideration of the conceptual background for a close look at several third world processes and cases: the population issue, the promise and pitialls of Green Revolution technology, and the particular examples af the island of St. Kitts in the Caribbon and the Sahal region in African, this will nect twice a week for 1 1/2 hours coch session.

The class will meet twice a week for 1 1/2 hours each session. Enrollment is unlimited.

PSYCHOTHERAPY: DOES 1T WORK?

By looking closely at some of the research evaluating the effi-cacy of psychotherapy, students will learn about the state of the art reficted in that literature as well as developing some proficiency in dealing with questions in areas where elegance is sacrificed to significance. Now is the judgment made that psychothetry 'Norke?' What are the criteria' line do qual ties of the therapist and/or the patient/client influence out-

There will be two brief writing assignments and one seminar pa-per. Students will be expected to participate in class discus-sions of assigned readings of their seminar papers. Pulce a veek, 1-1/2 hours each time. Limit: 20, lottery if necessary.

ATTITUDE CHANGE AND SOCIAL INFLUENCE

This course will use the investigation of intentional social influence as a these for introducing students to the ways that social psychological even the world, approach problems, and gather informations with the world, approach problems, Students will learn about the assumptions obtaining knowledge, as well as gain first hand approaches obtaining knowledge, as well as gain first hand emperated with the design, exchaoologics, and implementation of social psychological experiments.

The copies in social influence which will be used to illustrate the social psychological approach include advertising and persuasive communication, the techniques of con artists, brainwashing, the detection of deception, and the relationship between attitudes and behavior.

The class will evolve by degrees from a point where the instruc-tor presents and solves research design problems, to one where students begin to create designs as they gain experience. Students will assert a series of very short papers and critiques, read original research reports, conduct a class experiment, and do a class project which can take many forms.

The class will meet twice a week for 1 1/2 hours per sessions. Enrollment is limited to 25 students. First come, first served

ECONOMIC DEMOCRACY: ITS NATURE AND PRACTISE. WHAT A FULLY DEMOCRATIC SOCIETY MIGHT LOOK LIKE

C. George Benello

This course will study economic democracy on two levels: a content level and a pracess level. Initial sessions will be content level and a pracess level. Initial sessions will be content self-organizing. After a course format is decided by individual contracts will be written. There will be a focus on group performance and dynamics and process issues with the aim of combining process and content types of learning. Among possibilities to be decided on are field trips, simulation/gening experiments, and subgroup projects.

Maximum enrollment: 25, by instructor permission. Hrs. per week; two 3-hour meetings

CHICAGO AND NEW YORK EXPERIENCING THE BIG CITY

Myrna Breitbart, Bob Rakoff

This is a course on understanding and appreciating the every-do experience of living in a big city. While we will pay "re attention to the theoretical literature on urban life, our main concern will be to reconstruct, through many media the feeling and special meaning of everyong the life on which And while we may seek to generally only the life on wich, our focus will be on an in-depth description and analysis of

(continued)

life in two of the world's great cities, Chicago and New York. Through fiction, poetry, journalism, file, television, radio, music, and even social science (at least the gentle kind like echnography and oral history) we will seek to plamb the depths of people's experience in and of these two characteristic, but unique and different cities. If possible, trips to one or both will be arranged, along with a maltitude of informed cities processes. Topics will be arranged, along with a maltitude of informed contemporary third formed country curves are consequently. Third formed peoples contemporary third formed peoples contemporary third formed peoples.

-the work experience (stread mills and sweat shop; hog butchers and capitalists)

-- the play experience (the Cubs v. the Mers; Lincoln Park v. Central Park; Culcha)

contral Park; Culcha)
--the sensual experience (sights, smells, tastes, sounds)
--the fear and power experience (crime, danger, and politics;
Da Boss, Da Hob, fat cats and cops)
--the free experience (buns, bohemians, beats, rads: life on
the streets)

As a Div. I course, ample opportunities will be provided for re-terpretive and critically analytical writing. Papers or a pro-ject will be expected for evaluation. The course will need twice a week, 90 minites per session. Limit of 16. First Come.

THE HISTORY OF THE FAMILY SS 165

Maureen Mahoney and Miriam Slater

Monreen Schoney and Miriob Slater

This course will focus on the development of the family in the early madern period of Vessier Europe (17th and 18th centuries). Since changes in family structure, relationships, and values take place at different rates over the and have little respect for arbitrary chromological categories, those dates are mount to provide a starting point and emphasis for the work of the course rather than a time limit. Mistorical studies of Aestern European and Colonial American (anity life will be well as the substant two materials of the course we will employ the construction of the behavioral sciences we will employ the constructions and in analyzing the historical material. In keeping with the interdisciplinary nature of the Course some literary sources may be utilized but these will be chosen on the baals of that they am contribute to an understanding of historical development. Collateral readings in the social actences will be assigned according to the interests and levels of achievement of the students.

The course willmeet twice a week for 1-1/2 hours each session. Enrollment is limited to 15 on a first come, first served basis.

55 202 ADMIT DEVELOPMENT

This course cell deal with matiple facets of human development in the adult years. We will address such topics as the relationship of the deal to development to carlier development, the nature and extent of cultural influences on the development, the nature and extent of cultural influences on the development of adults, social and psychological processes as they relate to biological and physical aging. Psychological and social components of adult development processes will be emphasized. Although there will be a textbook, for the control of cach student's choice will provide the basis for the evaluation.

Two classes per week, 1-1/2 hours each. Unlimited

RELIGION: A CROSS-CULTURAL PERSPECTIVE

Leonard B. Glick

There are almost as many theories about religion as there are religions. Rather than calking about what Religion "really is," we'll be studying particular religions and using size electically to help us toward better understudied to consult the property of the size of t

which the writings of theorists, particularly theorists with universal explanations, will not be our central concern. We'll begin with a study of ifenited religions - that is, religions belonging to small groups living in relatively isolated circumstances and focused almost entirely on their own society and identity. Such people includes a state of the s

The first part of the course, on localized religions, will be primarily my responsibility, but students will be expected to assume more responsibility as we proceed and to lead some of our discussions on major and innovative religions. Everyone will be expected to write two papers (about 6-8 mages each): one on a localized religion, and one on a major innovative religion. Course evaluations will be based on contributions to class and written work.

A Vednesday evening flim series (7-9 P.M.) will be integrated with parts of the course and should be considered in scheduling. Class will most for 1-1/2 hours tytes a week. Larvellment is open.

SS 208 HA 209

OBSERVER AND OBSERVED IN LITERATURE AND ANTHROPOLOGY

David Smith and Barbara Yngvessor

David Smith and Barbara Yngvesson
This course will combine the insights of cultural anthropology
and literary criticiam in equalining works (including ethnography, poetry, drame, setire, easey) in which the relationship
of an outsider (observer) to a community an issue. We will
consider the attempt of a narrator or author to understand
relational community and the efforts of although the well
understand "real" committed with however we will
understand "real" committed with however we will
understand "real" or manually with the reader or literary critic
so "observer" of a text which is read, and of literary presonae who may be observers of one another within a fictional
narrative. We will be interested both in theory relevant to
understanding issues of observation, and in literature which
suggests different ways in which the relationship of observer
and observed might be conscived. In particular we restream of writing real is
other forms of writing real is
other forms of writing real is
this encounter, and its effects,
which require attention.

which require attention. Literary pursations to be introduced include the nature of the literary persona, the lapact of literary genre (and/or move-muta) on point of view, connections between visual (a.s. photographic) and verbal representations of experience and the question of style as applied to anthropological writing, An-thropological questions include the nature of the anthropological real persons, the impact of personal background and scientific models derived from anthropology (functions the iss) on the way an 'other last on the way an 'other lationship of observed, the effect of this on both, and its impact on the resulting ethographic report.

Texts include ethnographic work (with particular accomtion to the work of Levi-Strauss and other structuralists) as well as appared dealing with actual process. The helidowrit process, theoretical control approaches to anthropology and literature of the control of the control

The course should appeal to students of literature, writers, budding anthropologists, social historians and people interested in a general way in the problems of "observing" others with sensitivity and insight.

The class will meet twice a week-for 1 1/2 hour sessions, open enrollment.

INTRODUCTORY ECONOMICS

Frederick Weaver

An introduction to economic analysis, covering the principles of both major areas of conventional economic theory (i.e., micro and macro) serves as the needed precredulite to virtually all advanced economic courses and itself contributes to a vide variety of concentrations.

Although the central aims of the course are identical to those of previous years, this course will be different in that the analytical principles will be introduced through interpretations of U.S. history, using R. K. Vedder, The American Economy in Kitarical Prespective, we util then go through F. Newing. The Economic Way of Thinking and the accompanying outshook in order to review systematically the central concepts.

We will neet for two 2 hour class sessions per week, and there will be an extensive take-hope examination at the end of the term. Enrollment is unlimited. Five-College students will be graded PASI/FALL only.

AMERICAN GOVERNMENT AND PUBLIC POLICY 55 212

Robert Rakoff

The goal of this course is the development of an odequate theoretical framework for explaining and assessing the making and continuous properties of the seasons of the sea

Regiticate in the eyes of citizens?

This will injoic several analytical and empirical tasks:
describing and assessing the consequences of important federal
actions and programs as their impact in the impact on existing
beneficiaries as their impact in the impact on existing
selective and activations of easiers and advantants the actual
processes and attructures for making and implementing decisions
in various branches of the government, with special attention
to the elitist and ideological bisses inherent in these
processes and structures understanding level in the processes and structures understanding level in the processes and structures understanding and in the content of the processes and structures understanding and in the content of the processes and structures understanding and in the content of the processes and structures understanding the content of the processes and the second of the content of the processes and the second of the second of the processes and the second of the processes and the second of the second

The class will meet twice a week for 90 minutes per session.
Open enrollment

CAPITALISM AND EMPIRE: NEW ENGLAND AND AMERICA IN A GLOBAL PERSPECTIVE

Miriam Slater, Nancy Fitch and Laurie Nisonoff

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(continued)

tion of geographers, political theorists, sociologists, economists, literary exagists, and others. While this course will concentrate on a particular geographic area, New England, the focus will be on the latter's connection to American history more broadly considered. As such the course will serve as a broad background in American history. Open throllment. Class will new! for 1-1/2 hours videa s week.

PROBLEMS IN THE PHILOSOPHY OF LAW AND JUSTICE

What is the nature of law? What is the meaning of justice? These two questions have figured in the works of major philosophers from Plato to the present day and in the vritings of legal scholars. This course will explore their ideas and seek to detoratine their significance for a number of topics of current concern.

A principal object of the course will be examine the difference one's philosophic position makes to the resolution of practical problems. This emphasis will be reflected in the manner in which the coarse will be taught. After a brief introductory exploration of the history of legal philosophy, members of the class will be asked to select the work of a particular modern philosopher for intensive study. During most of the remarked of the term each student will speak queen for the term each student will speak queen for intensive study. During most of the remarked phor in general ways to be a support of the season of the term continued to the contribution of the low, the capacities of international law to contribute to world order, the relationship of law and language, the impact of science and technology upon law, and the limits of the legal order.

No previous work in philosophy or law is presupposed.

Materials for the course will include Friedrich, Philosoph of Law in Historical Perspective, Bart, The Concept of Law Fuller, The Law in Quest of Itself, and problem saterials and problem materials prepared by the instructor.

The class will meet twice weekly for 1 \ hours. Enrollment is unlimited.

THROUGH THE LOOKING GLASS: A STUDY OF LAW AND SOCIAL PSYCHOLOGY

Oliver Fowlkes and Don Poe

Oliver Fourhes and Don Poe

Recently, the validity of some basic assumptions about law and

litigation have been challenged by controlled experients of

social psychologists. For example, the size and composition of

juries will not affect the fairness or outcome of their deci
sions, that witnesses can remember and accuraty results to the

previous events, and that cases before judges. This Division li

course will examine selected theories and methods of social

spychology, and adjudication with specific attention to areas

where law, judicial process and psychology litenast certification

where the adjudication with specific attention to areas

where law, judicial process and psychology litenast certification

offer the adjudication with specific attention to areas

where law, indicate in process and psychology litenast certification

offer the adjudication making at all levels of the legal process,

defendant dememor in court, polarization in juries, and etiol
ogy of violent behavior.

in addition to examining these currently researched problems, we will attempt to target issues beyond those enumerated and break way ground in the law/psychology dialogue. What is the role of the social psychologist and experimentation in elucidating solutions to legal problems, court overuse, development of alternatives to the judicial process, revised roles for lawyers, evaluation of mental illness and incompetence, post-conviction processes, and the use of psychology in dispute resolution.

The course is offered to Division II students in law, legal process, social psychology, clinical psychology, sociology and public policy. It will neet twice a week for one and one half hours each time. Enrollment is open.

LABOR AND COMMUNITY

Myrna M. Breitbart and Laurie Nisonoff

This course will explore the relationship between historical changes in the labor process under capitalion and the experience of workers in the workplace and larger community. We will also discuss contemporary alternatives, paying particular attention convenents for workers (control and decentralized socialism. Using an interdisciplinary approach, we will consider a number of themes and questions which focus on the changing nature of conflict between capital and labor:

Theme #1: The relationship between the organization of the labor process and work environment in different stages of capitalism.

These #2: The relationship between the capitalist mode of production and spatial organization (what roles does the patterning of built environments play in sustaining a particular mode of production! Now are divisions but

These #3: The historical and contemporary responses of workers to changes in the labor process and the effects of work, alienation, and struggle upon community. Also, the major acchanisms (economics, political, legal, spatial, etc.) which capitalists have employed to defuse working class organization, both in the workplace and larger community.

Several Issues and controversies facing labor today will also be addressed with special emphasis placed on the present econom situation in New England. Among the topics to be economicaries Runnaway shops and plant closing, "Overler connection," solf-management and control; overler connection, regional economic base onalysis; dual labor market and labor market segmentation, human capital theory; and paid vs. unpaid labor.

Students will be encouraged to work on research and data gathering projects related to the copies of immediate relawane listed above. This course should therefore tie in well with other courses offered in the New England Studies as Economic Participation and Sel-Inhangement programs.

Tentative texts include: Graverman, Labor and Monopoly Capital; Buen, The Capitains of Consciousness; Case & Bunnius, Workers Centrol: A Seader in Labor and Social Change; Gutana, Work and Guiture in Industrialising America: Honspomery, Workers' Control in America; Gordon, Theorics of Powerty and Underseployed Senentt & Cobb, The Hiddon Injuries of Class and Goodman, The

Last Entrepreneurs.

The course will meet twice a week for I\ hours. Evaluation will be based on class discussion and papers. Enrollment is open and Five College Students are velcome.

PHILOSOPHIES OF AMERICAN EDUCATION SS 234

Hedy Rose

An examination of the writings and ideas of certain major fig-ures in the development of American education. We will consid-er the contributions then tipures as Burace Mann, Devey, Wittehood matter tenry, Rogers, Goodman, Dennison, MacLuban, Wittehood most to the maintream of American educational horizophy. Our concern will be with the social and histori-cal context as well as with the impact of these ideas on Amer-lian education.

The format will be seminar-style. Students will prepare reports on various writers for group discussion and will write individual term speers deconstrating for understanding of the relationship 'etween educational philosophios and social resistes.

Enrollment is unlimited. The course will meet twice a week for  $1_{\bar{b}}$  hours each session.

AFRICAN DEVELOPMENT

Michael Ford and Frank Holmquist

Michael Ford and Frank Molaquist

The course is about African development both social and
material. We begin with a review of pre-colonial contacts
(Including slovery) with representatives of international
capital illustrating how this contact conditional African,
development even before the advent of formal for certifiery
and economic administration of the contact conditional African,
the spitzer and nature of inspitzer and contact of the certifiery
and economic administration of the colonial economy and the
creations by colonialism was overthrown. The class structure of post-colonial society will be examined in some
detail with discussions of the state; ideology, oultinational
corporations, rural development, and the working class i
situation in post-colonial society. The nature of everyday
politics and military coujs d'etar will be discussed prior
to a closs look at Kenys and Tanzania as examples of
capitalist and socialist economic development respectively.

The class will meet twice a week for 1% hours each session. Enrollment is unlimited.

STATE AND SOCIETY SS 275

Carol Bengelsdorf, Margaret Cerullo, Joan Landes, and Lester Mazor

and Lester Masor

The course will examine past and present theories of the capitalist and socialist state (emphasis on the former) and their relation to society. Theories of Heggl, Mark, Lenill he studied. Specific emphicis the trurrel so the specific emphicial the truth of the currel society. Theories of Heggl, which is studied. Specific emplicial the truth of the currel society of the specific expiration to the currel society of the specific expiration to the specific expiration to the state, the nature of contemporary American class returctor, the role and function of American political parties and elections, the current-fiscal crisis of the state, and scenarios for the future.

Enrollment is unlimited. The course will meet ly hours each session twice weekly.

WOMEN IN SOCIALIST SOCIETIES: THEORY AND PRACTICE SS 280 Carol Rengelsdorf and Joan Landes

The emphasis in most feminist circles has been on historical and current sapects of women's mituation in "western" capitalist speciation. Yet feminist theory tends to point beyond such societies. The object of this course will be to end on these dimensions, to examine reminist theophs in relative to socialist experience, and, in turn, to manayee socialist experience, end, in turn, to manayee socialist experience in the light of feminist through in a plant of the control of the light of feminist through in the light of feminist through in the light of feminist through the socialist experience in the light of feminist through the socialist experience.

the sight of remains chought.

We will begin the course by considering the theoretical frameworks within which our investigation will take place: feminist onalysis and socialist theory be will then proceed to examine the historical species of the second of the second of the historical species of the second in those societies which have undergoneous for evolutions. In particular, we will look out the second of women in Russia, China, Cuba. In other words, the second of the s

Many different issues are subsumed under this theme. Some examples include: the position of the family in socialist thought and in socialist societies; many different views of production and reproduction, the sexual division of labor, what it is, has been, and could be: weem's position as worker and houself e.

Our purpose in this exploration is to assess the degree to which the socialist revolutionary tradition and feminist thought converge and the degree to which they say contradict one scheduler such as understanding, we believe, will give the concluding state of the constitution of the convergence of

# DIVISION III INTEGRATIVE SEMINARS

BIOCHENISTRY MAY BE GOOD FOR YOU IN 130	Foster
LANGUAGE IN CONTEXT IN 331	Shepard-Kegl
SEMINAR IN THE POLITICAL ECONOMY OF RACISM IN 332	Hogan
AMERICAN ENVIRONMENTAL HISTORY IN 333 (MS 2)5)	Lutts
NEW WAYS OF KNOWING (January term)* IN 344	Bernstein

BIOCHENISTRY MAY BE GOOD FOR YOU IN 330

John Foscer

Anny students have expressed a nged for blochemistry but do not vant to suffer the rigors of my enzymes course. My response has been that there are my to the response has been that there are my to the response has been that there are my to the response has been that there are my to the response has been that there are my to the response has been that there are my to the response such as genetic engineering, tailor-made bacteria which make human hormones, new drugs designed from scratch and questions of carcinogens and other pollutants which have a strong blochemical element to then. Thus the question doesn't really go away-"hat should you really learn about blochemiatry from someone like so to that the rest can be left up to you! What I would like to do it gather together a group of Matural I would like to do it gather together a group of Matural Science and Morn-Matural Science students to reasons. The group can use me and those students with some blochemistry background to fill a the technical details and the expertise of others with more background in public policy and human behavior to sharpen our understanding of the impact of this technology on society. In the process I hope to get a better feeling for what I should put in a (popular!) blochemistry com: "when cascal in the future.

Class will meet one evening per week.

LANGUAGE IN CONTEXT

Judy Shepard-Kegl

This seminar will take a broadly based look at the nature of human language and its various intercelations with thought and other activities. We will also consider various practical applications of theoretical language models to such areas an education, second language learning, language disorders, etc.

This seminar should appeal to people in any area of language study as well as to students in aducation or the social ociences. Heeting times to be arranged.

SEMINAR IN THE POLITICAL ECONOMY OF RACISM

Lloyd Hogan

The course is designed to develop a critical understanding of the role of racism as a crucial economic agent. To achieve this goal the class concentrages on three or four sets of problems for intensive analysis in order to determine the necessary or sufficient conditions under which racism generates an applical solution to the problem. Alternative non-racist solutions are compared to the racist solution for a proper assessment of the economic impact of the latter solution.

scenaria tagact of the latter solution.

Some of the problems which are candidates for study are (a) the process by which wages are distributed in the labor market, (b) the mechanism for distribution of jobs in the work place, (c) the process of formation of specific job skills among members of the population, (d) the dynamics of wealth distribution, (e) the formation of economic class divisions, (f) block macrican slavery as a mode of capitalism primitive accumulation, (g) the process of transformation of capitalism primitive accumulation, (g) the process of transformation of the process of the proces

Each student will choose one of the problems for concentrated study and rigorous class presentations either singly or as a member of a study team.

Great stress will be given to conceptual formulation of the problems and much effort will be given to the organization of existing emptrical knowledge.

The course will meet twice a week for two hours each session. The seminar will be taught on the Mt. Holyoke campus. Enrollment is limited to 20. Permission of instructor required.

# DIVISION I PROSEMINARS

Division I proseculnars, designed especially for students new to Happshire Coilege, are offered in fall tern 1980 by faculty in all four schools. The proseculnars are of substantial intellectual content, problem or issue-focused, and share the purpose of introducing students to the larger scalesic life of the college, including test basic structure of design of the college, including test basic structure of design of the college including to the college of the colleg

Faculty Ceaching promeminars have agreed to grant preference in enrollment to entering students. <u>Additional enrollment spaces</u> may be available for more experienced students who are interested in the subject catter of the course, or who believe their learning would be well served by the promptings goals outlined about. Entering students will have an opportunity to preregiator for a processing it to be summer before their driving.

AMERICAN FAMILIES, AMERICAN HOMES HA 118	D. Smith Kindwall Hardie
GODS, BEASTS AND MORTALS: THE BECINNINGS AND THE END OF POLITICAL THEORY RA 121	Meagher
COLLEGE WRITING/EUROPEAN WRITERS: SHORT STORIES HA 1346	F. Smith
IDEAS OF ORDER HA 169	Kennedy
UNDERSTANDING TELEVISION LC 108	Muller Epstein
CULTURE AND THOUGHT: A PSYCHOLOGICAL PERSPECTIVE LC 152	Gearhart
LANGUAGE AND LITERATURE LC 177	Gee Borkman
THE PSYCHOLOGY OF HUMAN INTELLIGENCE LC 187	Stillings
ACID RAIN NS 114	Williams
HUMAN BIOLOGY: LEARNING TO LIVE WITH 17 NS 121a	Foster
HUMAN BIOLOGY: HUMAN MOVEMENT PHYSIOLOGY NS 1216	Ann Woodhull
NATURAL HABITATS OF NEW ENGLAND NS 147	Lutts Van Raalte
POLITICAL JUSTICE SS 115	Mazor
SOCIAL ORDER HERE AND THERE . SS 140	von der Lippe
AMERICAN CAPITALISM SS 184	Warner

HA 118 AMERICAN FAMILIES, AMERICAN HOMES

David Smith, Susan Kindwall, and Janet Hardie\*

This seminar will explore the changing and enduring character of American families through a twofold focus. First, we'll actend to the characteristic relationships among a family's members, and the characteristic relationships among a family's members, and the characteristic relationships among a family's members, its intimate geography, its homes. Each of us knows and cramembers the individual rooms of a house and its autroundings (yard, street, barn, fatal) as pussessed of a distinctive character—an atmosphere, an emotional tone, a vividness or amptimes, a clarity or opatery. Facility and proceeding the property of the process of the process of the characteristic charact

Students will be working with three complementary modes of inquiry and expression, and gaining experience of imaginative and critical reading and writing in relation to each: (1) family history and biography, including the process of searching one's own heritage: (2) short fiction and novels portraying the character and evolution of American families and the homes (3) corts of psychology in the character and evolution of another and evolution of the contract of the character and evolution of another and evolution of another and evolution of another and evolution of the characteristic and the boundary and family theretay officing means of understanding a family's web of relationships and its patterns of growth, stasis, and decay.

The course will meet twice weekly for ly hours. Enrollment is limited to 16.

\*Susan Kindwall and Janet Hardie are Division III students.

GODS, BEASTS AND HORTALS: THE BEGINNINGS AND THE END OF POLITICAL THEORY

Robert Heagher

Robert Heagher

In orders to situate ourselves politically in a thoughtful manner is in seel to realize that, as historical mappings go, both the emergence and the decise of Vestere political theory its behind us. Western political philosophy begins with the city, the Greek polis, a place for meither gods nor beasts but for men. According to Plazo and Ariacotic, one who is little more than an animal is unsuited for life in the city, whereas one who is little less than a god has no meed for the life of the city. It is those whose lives and the madness of thought who returned the city. It is those whose lives and the madness of thought who require the city as a place of light and apeçach to illuminate and to articulate their lives and to bring them into being. From there our political path leads eventually to the denial of the primary of the possibility of thought, and it remains only to calculate power and one's own ineediate bonnelit. We will follow the rough outline of that path from wisdom to power; the path from the fundamental incommonness of the human to the redical privacy of the human.

Our principal readings will be: Placo, The Republic; Thomas More, <u>Utopin</u>: Machiavelli, <u>The Prince</u>; Thomas Mobbes, <u>Lovia</u>-then; Karl Marx, <u>Beonetic and Philiosophical Manuscripes</u>; and <u>Toothing Stones</u>: Rethinking the <u>Political</u>, cd. Robert Meagher Our final aim will be to question both in theory and in practice whether it is responsible to speak of the end of political theory, or to jut offers speak of it, or to live as if the unity appropriate or possible objects of political thought such as the properties of the such that the properties of the properties of the such that the properties of the prop

This course will meet twice weekly for two-hour sessions. En-rollment is open.

COLLEGE WRITING / EUROPEAN WRITERS: SHORT STORIES

We will read some modern short fiction from Europe--Chekhov, Joyce, Woolf, Thomas, et al--and some criticism. Certain of these stories are acknowledged "classics." We will try to under-

stand what makes a piece of literature a "classic." That will involve our discovering how literary judgments are made and how literary conventions are established and subverted.

Please understand that this is primarily a course in writing. The elements of style and other traditional rhetorical concerns will be fundamental matters in this course.

Enrollment is limited to 25. The class will meet twice weekly for one-hour sessions plus tutorials to be arranged.

HA 169 IDEAS OF ORPER

Francis Bacon asserts that "the human understanding is of its own nature prone to suppose the existence of more order and regularity in the world than it Inda." The group of cexts proposed for discussion during this prosection might allow us cexamine Bacon's hypothesis as we consider the kinds of orde that works of art create as well as the differing orderspreamal, social, and philosophic—that they reliect.

Though the selection of texts from classical, renaissance and modern periods will provide possibilities for drawing comparison among them, the focus of the course will not be specifically historical, nor will it be narrowly thematic. Rather, since a book and its reader can be said in some definite ways "to order" or to shape each other, our primary purpose in this course will be to read and discuss a group of cexts with close attention to methodology—to what it is we do when we read.

As part of this last purpose of developing a clearer sense of our own points of view as readers, members of the seminar vil be asked to give shape to a group of short pieces of writing periodic critical essays and an occasional imaginative or descriptive sketch.

Readings will be chosen from among the following works: Sopho-cles, Antigone or Ocdipus Rex; The Second Shepherds Flay; w. Shakespace, Nidaummer (hight's Breas, Lear, The Tempes; Virginta-Woolf, Mrs. Dallowar; William Faulkor, As I Lay Dying; Flaunery O'Connor, Wise Blod; selected Detry of John Donne, George Nerbert, Wallace Stevens, T. S. Eliot.

Enrollment is limited to 18. Class will meet twice weekly for 1-1/2 hours.

UNDERSTANDING TELEVISION

Richard Muller and Daniel Epstein\*

Hate it or like it, television is one of the common experience of people in this country. This has not always been true; as television has entered our lives, we have tried to understand what it can do to us and what we can do with it.

In this course two different types of understanding will be developed. One is experiential, the other is academic. The class will produce a live biseekly celevision program to be shown on the campus cable system. We will also examine the history of television in this country, the impact of new technologies on the future of television, and some of the serial and behavioral effects of setching television.

The course will have a strong emphasis on organizational as well as communication skills; students will be evaluated on written work based on library research, on class discussion, and on television production skills. We will most three times a week Monday and Verdendady mornings for discussion, Mednesday afternoons for scucle production work as well as six Vednesday were nings on a binesely basis. Emplainment is limited to 16.

\*Daniel Epstein is a Division III student in communications.

CULTURE AND THOUGHT: A PSYCHOLOGICAL PERSPECTIVE LC 152

Maryl Gearhart

Human cultural groups differ remarkably in their beliefs and in their artistic and technological products. But are there differences across cultures in basic thinking-or "cognitive"-processes? Which aspects of cognition appear to be universal and which culturally specific?

and which culturally specific?

This course is an examination of theory and research in crosscultural cognitive psychology. We will first examine crosscultural studies of adult memory, classification, and problemsolving shiftities. We will then turn to investigations of cognition in childhood, with particular attention to the developmental theories of Plaget and of Vygotsky and to the research
which has sested those theories about cognitive development,
but Plaget emphasizes the uncloss about cognitive development,
but Plaget emphasizes the uncloss about cognitive development,
but Plaget emphasizes the universal nature of human biology and
of physical environments, while Vygotsky emphasizes culturally
specific "tools" for thinking, especially lonpuage. Finally,
we will reflect upon methodological problems in cross-cultural
research. For example, experiments the object;
researchers have discovered that, in any culture, it is critical
codetermine and not presume how a subject interprets the experi-

Class sessions will include both lectures and discussions.

Course requirements will consist of several short papers and one longer paper. The class will meet twice a week for 1 1/2 hours each time. Ehroliment limited to 20.

Deborah Berkman and James Paul Gee

Literature demands an active, imaginative, and creative mind in the hearer or coader no less than in the artist. Each of us brings to English literature complete meastery of the basis medium of that art, namely us matter language. Nonetheless, we must learn to exploit us matter language. Nonetheless, the art of a literature language and the artist must exploit his or her mattery of the language to produce it.

or her mastery of the language to produce it.

Every appect of the language of a licerary work potentially can
contribute to its acethetic effects and to its overall meaning.

Thus, to understead and appeciate literature fully we must have
some appreciation for the resources and structures of our language, as well as for the ways these resources and structures
can be put to use in literary art. This class will be based,
then, on an understeading of the nature of language, close reading and analysis of literary texts, and a broader view of lit(continued)

erature in the context of arc and sesthetics generally.

Integrated into this course will be an emphasis on the develop-ment of critical and analytical skills in writing. This empha-sis on "learning to write" will be related to the classroom consideration of close reading of texts and literary criticism, but artention will also be paid to the generalization of these writing skills to papers in other areas as well.

The course, then, has two basic goals: (1) to help the students grow as readers of literary art (poetry, short atories, and novels will be our primary concerns as texts) and to appreciate the resources of English (or any human language) as zeedium of literary art, and (2) to help students develop their writing and critical skills, both within the context of class work and as an introduction to "college writing."

This class will meet two hours twice a week, with these sessions given over to a balance of lectures, discussion, and writing workshops. The class will require a substantive commitment in time and energy. Enrollment is limited to 20.

LC 187 THE PSYCHOLOGY OF HUMAN INTELLIGENCE

Neil Stillings

This course is devoted to comparing and criticizing the two main approaches to studying human intelligence that have developed within psychology. The first approach is extended to the psychology that the studying human intelligence under the studying and differences in intelligence uning exhabs of statistical measurement. The second approach is experimental, or cognitive, psychology, which deephasizes the measurement of individual differences in favor of more fundamental investigations of the nature of intelligent thought using the experimental method. The study of the differences between the statistical form the study of the difference between the treatment exhods of differential and cognitive psychology. The class will collect and analyze data on several aspects of this question, such as the nature of spatial visualization ability, and right hemisphere advantages in certain visual concern these these experiments.

The course will meat twice a week for two hours each time. Enrollment is limited to 20.

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Lloyd Williams

Rain and snow in the United States and Scandinavia have become more and more actdic as air pollution from sulfur and introgen oxide has increased. In the United States, this problem was once chought to be confined to the Northeast. However, "Inclid rain" has also been found recently in areas of the Midwest and in Colorado. This "actd rain" may have adverse effects on a vide variety of natural processes such as: the availability of nutrients to plants: the formation of soil; and the composition of plant communities. Actd rain has also been limited to the disappearance of fish in high altitude Altinomades labels.

altitude Adirondack lakes.

We will explore the nature and scope of the acid rain phenomenon by Freading and discussing significant research papers. Relevant checkel principles will be introduced and discussed when appropriate. Sindente will be introduced and discussed when appropriate Sindente will be introduced and discussed when appropriate and the property of the principle of the acid rain problem. In addition, students will use the acid rain problem. In addition, students will use the field propose individually or in small groups. These projects may address questions such as how acidic is the rainfail in this area; what is the source of the acidity; and what happens to the acidity as the water moves through the ground. No special background is necessary to participate in this course.

Enrollment is limited to 15.

HUMAN BIOLOGY: LEARNING TO LIVE WITH IT John Foster

When a severe and/or chronic Iliness strikes, the fabric of a family is often severely strained. Family members often do not fully understand what has helped with the family members of the done to fully understand what has helped what adaptations the patient and the family may have to make and cannot come to terms with the long-term consequences of the Iliness. This seeman will deal with one or more of these Ilinesses, such as disbutes, cardiovascular disease or severe architicit, during the Ifirst 5 or 6 weeks. We will learn the relevant physiology and blocker strikes and the second of the Ilinesses of Iline

Class will meet for 1-1/2 hours twice a week. Enrollment lim-t: 16 (12 new students, 4 old students). Be sure to read the general description of the Human Biology program under NS 121 in the School of Datural Science section.

HUMAN BIOLOGY: HUMAN MOVEMENT PHYSIOLOGY SS 1215

This course is for dancers, athletes, and others who are interested in how their bodies move. We will not accept to survey all of human anatomy or kinesiology (the study of movement). Rather, by reading scientific papers, we will look closely at how scientists try to obtain inform on muscle use and control.

I think it is both important and exciting to apply biologists' results and theories to cur own bodyse. In addition, we can extend our idean about envewment into ''. Abortatory by measuring muscle netivity with the electromyograph. No settence background is needed.

Class will meet for i-1/2 hours twice a week. Enrollment limit: 16 (12 new students, 4 old students). Instructor persisaion based on a written statement on "Why I want to take this

course." Be sure to read the general description of the Bugan Biology program under NS 121 in the School of Natural Science section.

NATURAL HABITATS OF NEW ENGLAND

Aquatic and terrestrial plant ecology will be emphasized. As an introduction to marine ecology, the course will begin with a weekend field trip to Cape Cod. Other field trips include: a day-long trip to a New Hampshire forest, an unusual botantical site in southwest Nassachusetts, seweral habitats along the Connecticut River. For evaluation students will be required to complete a self-designed class project and write two short, assigned papers. Five College students will be graded.

Class will meet for 3-1/2 hours twice a week for lecture, lab, and field trips.

Enrollment is limited to 15 students, first come first served.

POLITICAL JUSTICE

Lester Mazor

Politics is an activity basic to all human interactions; law is the principal instrument of government in modern society; justice is one of the highest ideals of human existence. This seminar will examine the ways politics, law, and justice interact in dromatic political crials. The goals of the seminar are to establish some familiarity with the characteristics of a trial in a court of law, to examine the functions and limits of the trial process, and to explore theories of the relation of law to politics and of both to justice.

We will begin by examining the roles of the parties, attorneys, vitnesses, judge and jurors in a conventional trial on a matter which is not highly charged with political consequences or emotion. The bulk of the course will consist of class study of a number of portable political trials and of the myths with a lind arise from them. Examples of the kinds of trials have a large the Sacco and Vancetic class, the linds of trials have a lind case of the Chicago eight. Man political ends were sought and obtained and whether justice was done will be persistent

The material for discussion will include transcripts of the trials and contemporary news accounts wherever possible: Kolka, the Trial, and other works of poetry and fiction; Kirchheimer, Folitical Justice, and other works of political and legal theory.

During the last third of the course students will work in small groups to develop presentations on particular cases. Several Mampahire students who are doing advanced work in this field will assist in leading these groups and also will work closely with the students in the course during its centler phase.

The course will meet twice a week for an hour and a half each meeting. Encollment is limited to 20. A lottery if necessary.

SOCIAL ORDER HERE AND THERE Robert von der Lippe

Robert von der Lippe

This seminar vill combine two general objectives: the introduction of sociology as a field of study and the exposure of Division I students to basic social research methodology. For the accomplishment of the first objective, the first few lectures and seminars will focus upon the concepts of social organization and the specific elements of norms, roles, statuses, groups, associations, organizations and steps: statuses, and statuses, and the status of the conduct of a group independent study program. The object of these independent studies will be to look for the fact of social order or disorder and to try to understand the factors which make for that state. Each student will select, with the instructor's help and advice, a project for the semester which will entail the empirical study of some aspect of social order or disorder. Discussion offring-seminar periods will be focused upon the integration of individual projects, the fairly and project individual projects, the fairly individual projects, the fairly individual projects, the minuse these problems and finally, he profer or its absence.

Farollment Islated to 16: first come, Cirst served. Course

Enrollment limited to 16; first come, first served. Course will meet for two hours twice a week.

Stanley Warner

The primary focus of this course is the current structure and per formence of American capitalian. We'll begin by development of the property of alternative market structures: monopoly, comenciation, oligonaly. A dominant theme of this theory is that capitalian requires competitive markets if it is to function optimally. Because the concentration of economic power in the U.S. is so clearly at odds with this traditional belief in free markets, a number of new theories have emerged which astempt to rationallize - even to the point of making a wirtue of -- the dominance of a few hundred multinational firms. A second aspect of this course will be to critically evaluate these theories.

In a number of fundamental respects, however, the performance of an economic system involves questions that transcend the issue of whether markets are competitive or somopolitied. Work alienation, class structure and consciousness, and the relation ship of economic power to notificial power are three such areas of concern. These issues warrent full visit of the property of the pr

Throughout the course there will be a strong emphasia on direct applications to specific industries (steel, oil, nutos, drugal), specific controversies (conglomerates and IT, affituries, the energy 'crisis') and specific proposals (from the New Populism of Rader, Fred Harriu, and others to the approaches of the 'Old' and 'New Left).

F. M. Scherer, <u>Industrial Market Structure and Economic Performance</u>
J. K. Galbraith, <u>Economics and the Public Purpose</u>
Nilton Friedman, <u>Capitalism and Freedom</u>
Paul Barran and Paul Sweeza, <u>Monogoly Capital</u>

This is a Division I course which assumes no prior work in economics. A person completing the course would be prepar for an intermediate course in the area known as microecono theory.

## **OUTDOORS PROGRAM**

The Outdoors Program is a voluntary, coed alternative to com-pulsory physical education and intercollegiate team sports. In the past, it has offered students extensive opportunities to learn mountaineering, rock climbing, and other outdoor skills, with an orientation toward student and staff initi-ated expeditions and trips. Equipment and arrangements for cross-country skiling, snowshocing and orienteering have been made continuously available.

The Hampshire Outdoors Program tries to give special emphasis to integrating outdoor and physical learning experiences with the rest of college and life. Programmetically that means the Outdoors Program collaborating with Hampshire faculty, staff, and students in ongoing courses (a possible example: a cannet trip down the Connecticut River as a part of "The American Literary Landscape").

"Pusion of body and intellect" has long been a goal of the O.P. This year the Program will continue to offer body potential work and body awareness alongside of outdoor skills courses.

A third goal, to facilitate a personal experiencing of nature will terminate in opportunities for local natural history ex-plorations, as well as continuing to make hiking, bling, camping, cross-country skiing, anowshoeing, caving and expe-ditioning aveilable to interested students.

During January Term and vacations, the Outdoors Program's major trips and expeditions occur. They have included climbing in Alzake, Yosenite, and Colorado, canocing and back-packing in Utah, women's trips in New Mexico, and kayaking in Texas.

The Outdoors Program emerges as not a physical education department, not an athletic program, not an outing club, not an Outrard Boand model, not a nature study program, not intra-murals, and not a School of the College. What is it? It is natempt to open up possibilities for integrated learning of body and psyche, to promote an avareness and understanding of nature, to support athudents in creating their own program outdoor experiences, and to join physical ways of learning about onsealf and the world with other ways of learning

Robert Garwirian, Director of the Outdoors Program, is an experienced mountaineer who has climbed in Alaska, the We and in New England. He is interested in outdoor leadersh as well as in teaching rock and ice climbing.

July Greenberg is a full-time instructor with the Outdoors Program and a faculty associate in Human Development with is 6. When has a Menters in counseling periodic particle with the control leadership training, specifically working with group process/development and examining personal styles of leadership. The face countried to working with promprocess/development and examining personal styles of leadership. The face committed to working with owner in the outdoors and to using the viliderness as a safe and supportive environment for groupth. She also coordinates the pre-college trips for incoming students.

Becky Judd, Director of the Keyak Program, is a gold medal win-ner in the Whitewager World Champtomships. Her other interests are in the areas of physical fitness, nutrition, environmental marreness and women in sports.

Rolph Lutts, naturalist in the Outdoore Program, and Assistant Professor of Environmental Studies in the School of Natural State of the School of Natural State of St

Greg North, climbing instructor, has had mountaineering and extensive rock climbing experience throughout the United States. Among Greg's interests within the Outdoors Program are leadership training, design of eachiteal equipment as as developing on glucational process through a co-teaching

# HAMPSHIRE COLLEGE

# • 1980 FALL TERM • SCHEDULE OF CLASSES

CODES			
ARB	Arts Building	DH	Dak:
CSC	Cole Science Center	EH	Enf:
EDH	Emily Dickinson Hall	GH	Gree
FPH	Franklin Patterson Hall	MH	Mer
PFB	Film/Photo Building	PH	Pre
MDB	Music and Dance Building	ELH	East
RCC	Robert Crown Center	MLH	Main
LIB	Karold F. Patterson Library	WLH	Wes

PAC in House ield House enwich House rill House scott House t Lecture Hall in Lecture Hall West Lecture Hall

Performing Arts Center Greenwich House - Center Room Book Seminar Group Independent Study

ProSeminar - Division I ProSem Enrollment To Be Announced or Arranged

Course is not term-long, see description

Donut

BKSEM

GIS

TBA

# SCHOOL OF HUMANITIES AND ARTS

HA 299 Playwrights' Workshop

SCHOOL OF HOMEANTIES AND ARES		ENROLLMENT			
COURSE	INSTRUCTOR	METHOD	LIMIT	TIME	PLACE
	<del></del>	1st Come	10	TBA	
HA 101 Drawing 101	R. Superior	InstrPer	10	TBA	
HA 106 Intro to Directing	TBA	InstrPer	15	W 9-1230	PFB
HA 110 Film Workhshop I	A. Ravett	1st Come	15	TTh 1030-1230	EDH 16
HA 111 Design Response	W. Kramer	InstrPer	15	T 9-12	Kiva
HA 1/214 Writing	N. Payne	1st Come	20	TBA	
HA 1/215 Studio Exp-Dance	TBA D. Smith, etal	ProSem	16	MW 830-10	FPH 105
HA 118 Amer Families/Homes	R. Meagher	Open	None	TBA	
HA 121 Gods/Beasts/Mortals	D. Aronson	InstrPer	14	TBA	
HA 122 Beg-Voice Production		InstrPer	16	TTh 1030-1230	DH Master
HA 1/223 Exploring Sexuality	L./G. Gordon	Open	None	MW 9-1030	MDB Dance
HA 1/226 Bodymindwork	F. McClellan	InstrPer	16	WF 1030-12	Div IV
HA 1/227 Sondheim & Company	D. Cohen	InstrPer	16	т 130-3	EDH 15
HA 1/231aPoetry Writing Workshop	A. Salkey		, 25	MWF 830-930	FPH 108
HA 134a College Writing-Updike	F. Smith	1st Come	25	TTh 830~930	FPH 108
HA 134b College Writing-Europe	F. Smith	1st Come	12	TBA	
HA 140 Ways of Seeing	J. Murray`			MTh 930-12	CSC 3rd F
HA 145 Human Env-Design	N. Juster/E. Pope	Lottery	12 .	MW 1030-1230	PFB .
HA 150a Still Photo Workshop	J. Liebling	InstrPer	15		PFB
HA 150b Still Photo Workshop	E. Mayes	InstrPer	15	MW 1-3	11.0
HA 161 Psych/Black Exp-Jung	C. Frye	1st Come	18	TBA	EDH 15
HA 1/263 Fiction Writing Workshop	A. Salkey	InstrPer	16	Th 130-3	CSC 126
HA 169 Ideas of Order	L.B. Kennedy	ProSem'	<b>, 18</b>	T9-1030,Th815-1030	
HA 169 "Ideas of Order	J. Gee/D. Bacal	ProSem	20	- TTh 1-3	FPH 104
HA 177 Language & Literature	TBA	InstrPer'	12	TBA	
HA 178 Beg Scene Study	J. Hubbs	1st Come	16	TTh 1030-12	Blair
HA 180 Dostoevsky	J. Murray	InstrPer	15	TBA	
HA 207 Adv Studio Forum	D. Smith/B. Yngvesson	Open	None .	TTh 9-1030	. FPH 106
HA 209 The Observers		InstrPer	15	T 1-5	PFB
HA 210 Film Workshop II	J. Liebling	-Instrict	15	TTh 1-3	MDB Dance
HA 213 Effort/Shape	F. McClellan		None	TTh 1030-12	CSC 126
HA 219 Fiction of History	R. Marquez	Open	15 >-	TBA	
HA 225 Photo Workshop II,	E. Mayes	InstrPer	None `	TBA	1-
HA 230 Ancients & Moderns	M. Russo	InstrPer	12	MW 1030-12	PH A-1
HA 231b Poetry Writing Workshop	B. Goldensohn	InstrPer	None	TBA	
HA 234 Camus	R. Meagher	. Open	None	TTh 1030-12	FPH 108
HA 236 Amer Lit Realism	R. Lyon	Open		TTh 1030-12	EDH 15
HA 246 Autobio-Amer Genre	J. Matlack	1st Come	20	TBA	
us 2/8 Int Scene Study	TBA	InstrPer	12 36 Di -TT	TTh 1030-12	PH A-1
HA 250 Modern Drama/Reality	C. Hubbs 🔍 🔍	. 1st Come	16-DivII	TTh 12-130	PH B-1
HA 251 Hegel I	R.K. Bradt	Open _	None		PH C-1
HA 256 Women in Nature	J. Greenberg	Lottery	11	Th 1-4	PH B-1
	R.K. Bradt	Open	None	TTh 130-3	Blair
HA 258 Heidegger	J. Hubbs	1st Come	20	TTh 1-3	DIAIL
HA 269 Origins-Romanticism	. R. Superior	1st Come	15~DivII	TBA	EDU 102
HA 280 Studio Art Critique	L.B. Kennedy	1st Come	25	. TTh 1-230	FPH 103
HA 289 Shakespeare & Woolf		Open	None	т 9-1230	PFB
HA 297 Hist-Film/Photo		InstrPer	12	W 1-4	Kiva
HA 299 Playwrights' Workshop	D. Cohen				

SCHOOL OF LANGUAGE AND COMM	INSTRUCTOR	ENROLLMENT METHOD	LIMIT	TIME	PLACE FPH 102
LC 102 Philo-Affirmative Act. LC 104 Social Cons-Mass Comm LC 105 Children's Drawings LC 108 Understanding TV LC 111 Seminar-Linguistics I LC 147 Conversation Analysis LC 152 Culture & Thought LC 174 Research-Reporters LC 177 Language & Literature LC 191 Perception & Knowledg LC 193 Computer Programming LC 195 ASL & Structure LC 202 Computer Programming LC 204 Lang/Myth/Feminine Cc LC 206 Strings/Trees/Langs LC 210 Seminar-Mass Comm LC 211 Seminar-Mass Comm LC 212 Seminar-Linguistics I LC 226 Theory of Language LC 240 Child Language Devel LC 243 Computers in Lab LC 253 Media & Energy Conset LC 264 Social Interaction-C	J. Miller, etal D. Knapp R. Muller/D. Epstein TBA J. Tallman M. Gearhart D. Kerr J. Gee/D. Bacal C. Witherspoon A. Hanson J. Shepard-Kegl A. Hanson J. Tallman W. Marsh J. Garfield C. Witherspoon TBA J. Gee, etal D. Knapp Al Woodhull/A. Hanson R. Muller/P. Meyers R. Lyon	InstrPer 1st Come Lottery ProSem 1st Come Open ProSem Lottery ProSem Lottery ProSem Lottery Ist Come InstrPer InstrPer InstrPer Open 1st Come Open 1st Come lottery Ist Come InstrPer InstrPer InstrPer InstrPer InstrPer	20 15 20 16 20 None 20 16 20 12 30 25 15 20 None 20 None 20 20 20 20 20 16 None	MW 1-3 TTh 1030-12 TTh 1-230 MW 1030-12, W 1-5 TTh 1030-12 TTh 830-1030 MW 3-5 MW 9-1030 TTh 1-3 WF 1030-12 TTh 1-3 MW 1030-12 TTh 1030-12 MW 1-3 MW 1030-1130,F1030-1230 TTh 130-3 W 1-4 MW 1030-12 MW 130-3 MTWTh 9-1030 MW 3-430 TVh 1-3 M 1-5, F 1030-12 MWF 12-1 TTh 1-3	FPH 106 EDH 16 TV Studio PH D-1 EDH 17 FPH 107 FPH 107 FPH 104 CSC 126 FPH MLH FPH 102 EDH 17 FPH 102 EDH 17 FPH 105 FPH 105 FPH 105 CSC 126 PH D-1 FPH 104 FPH 107
FL 101 French I	E. Leete A. Nieto	lst Come	15 15	TTh 1030-12 TTh 1-230	EDH 17 PH A-1

	OF NATURAL SCIENCE	TARRESTOR	ENROLLMENT METHOD	LIMIT	TIME	PLACE
OURSE S 101	Extraterr Intell	INSTRUCTOR K. Gordon	Open	None	MW 130-3 TTh 1030-12	FPH 103 EDH 4
S 101	Evolution of Earth	J. Reid	1st Come	20 15	MW 9-1030	CSC 126
S 114	Acid Rain	L. Williams	ProSem		TBA	
S 114	Tropic Marine Bio	.C. Van Raalte, etal	0pen	None	. ,	
D III	IOLOGY (*All Sections Include	CPC/Lab)		1.6	TTh 1303-3	FPH 106
IUMAN B	HB-Learn to Live	J. Foster	ProSem	16	TTh 130-3	PH D-1
10 151F	HB-Human Move Physio	Ann Woodhull	ProSem,	16	TTh 130-3	CSC 2nd Fl
15-121D	HB-Male/Female Repro	N. Goddard	Open	None	TTh 130-3	EDH 17
		M. Bruno	InstrPer	16		FPH WLH
	HB-Human Eye	-	-	-	. w 3-5	Lab
	*CPC	_	-	· <del>-</del>	M 1-5	PH B-1
	*Lab	M. Gross	Open .	None	TTh 1030-12	CSC 2nd Fl
NS 137	Biopolitics	C. Van Raalte/R. Lutts	1st Come	15	WF 130-5	FPH 103
NS 147	Natural Habitats-N.E.	P. Slater	Open	None	MWF 1030-12	Farm Center
NS 149	Topics in Agriculture	S. Goldhor, etal	Open	None	T 130-3, Th 130-3	FPH WLH
NS 150	Physiological-Agriculture	R.Coppinger/F.Holmquist		None	MW 130-3	FPH 107
NS 151	World Food Crisis	M. Sutherland	Open	None	WF 130-3	
NS 162	Exp Design/Quant Think	M. Bruno/L. Williams	1st Come	·30	MW 1030-12, F 1030-430	EDH 4
NS 167	Energy Conserv-Home		1st Come	20	MW 9-1030	CSC 114
NS 182	Conserv-Natural Resource	A. Westing	Prereg	None	M 1-230	CSC 3rd_F1
NS 207	Holography & Optics II	J. Van Blerkom	Open '	· None	MWF 1030-12/MF 1-3	EDH 15/Lab
NS 211	Organic Chemistry	N. Lowry	Open	None	TBA	
NS 215	Amer Env History	R. Lutts	1st Come	15	Th 9-1230	PH C-1
NS 222	Interp Natural History	R. Lutts		None	MW 9-1030	FPH 102
NS 230		R. Coppinger	Open 1st Come	20	TTh 1-3	CSC 3rd Fl
NS 243		Al Woodhull/A. Hanson		None	TTh 1030-3/1-3	CSC 114/Lal
NS 247		L. Miller	Open D	12	TBA	
NS 248		A. Melchionda	InstrPer	None	MWF 4-530+	FPH 103
NS 260		D. Kelly	Open		MWF 930-1030	FPH 103
NS 261		K. Hoffman	Open	None .	TTh 1030-12	FPH 103
NS 261		K. Hoffman	0pen	None	M 3-4	CSC 3rd F1
		H. Bernstein	Prereq	None	MWF 9-1030/MW 1-4	CSC 2F1/La
NS 281		J. Van Blerkom, etal	Prereq	None	TBA	
NS 283		S. Goldberg, etal	Open	None	MW 125-320	AC/MHC
NS 286	Oll Crara	G. Greenstein	. Prereq	None	TTh 230-345	Smith
	021 Stars 031 Space Science	W. Irvine	Open	None	MW 230-345+	MHC
ASTFC		T. Dennis	Prereq	None		UM GRC 534
ASTFC	037 Astronomical Obs 043 Astrophysics I	E.R. Harrison	Prereq	None	MF 125-320	JE 010 334

CHOOL OF SOCIAL SCIENCE		ENROLLMENT			
OURSE	INSTRUCTOR	METHOD	LIMIT	TIME	PLACE
- 181	L. Glick	1st Come	20	MF 9-1030	FPH ELH
105 -Humanity		Lottery	25	MW 1030-12.	FPH 107
109 Perspectives-Lawyeri	- 1.	1st Come	20	TTh 1-230	EDH 4
S 113 Urban Political Econ	L. Mazor	ProSem	20	` TBA	
S 115 Political Justice	K. Johnson	1st Come	20	TTh 91030	FPH 107
S 116 Modern China		1st Come	20	MW 9-1030	FPH 106
S 122 Social Control-Dispu	R.Coppinger/F.Holmquist		None	MW 130-3	FPH WLH
S 129 World Food Crisis		1st Come	20	WF 1030-12	FPH 106
3 132 Psychotherapy	L. Farnham ere R. von der Lippe	ProSem	16	MW 1030-12	PH B-1
S 140 Social Order-Here/Th	icic	1st Come	25	MW 130-3	PH B-1
S 150 Attitude Change	D. Poe	InstrPer	25	TTh 1030-12	FPH 107
5 152 Economic Democracy	C.G. Benello M.Breitbart/R.Rakoff	1st Come	16	TTh 1030-12	FPH 104
S 159 Chicago/New York		Open	None	WF 130-3	FPH 107
S 162 Exp Design/Quant Thi	nk M. Sutherland	1st Come	20	TTh 1-3	CSC 126
S 165 History of Family	M. Slater/M. Mahoney		16	TBA	
S 184 American Capitalism	S. Warner	ProSem	None	WF 130-3	FPH 108
S 202 Adult Development	L. Farnham	Open		TTh 9-1030	FPH 105
S 206 Religion	L. Glick	Open	None	TTh 9-1030	FPH 100
S 208 The Observers	D. Smith/B. Yngvesson	Open	None	WF 9-1030	PH A-1
S 210 Intro Economics	F. Weaver	Open	None	MW 130-3	FPH 104
S 212 Amer Govt/Public Pol	licy R. Rakoff	Open	None		FPH WLI
S 214 Capitalism & Empire	M. Slater, etal	Open	None	TTh 1030-12	stir Mr
S 217 Philo-Law & Justice	L. Mazor	Open	None	TBA	FPH 10
	O. Fowlkes/D. Poe	Open	None	TTh 1030-12	
	M.Breitbart/L.Nisonoff	Open	None	TTh 130-3	FPH WL
		Open	None	MW 1030-12	FPH 10
a and Still A Education	n nose	•	None	TTh 130-3	FPH 10
	M Ford/F Holmanist	Open			
S 257 African Development	M. Ford/F. Holmquist	Open		TTh 130-3	
	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes	Open Open Open	None None	TTh 130-3 TTh 1030-12	FPH ELI
SS 257 African Development SS 275 State & Society SS 280 Women-Socialist Soc	M. Ford/F. Holmquist C. Bengelsdorf, etal	Open	None		
SS 257 African Development SS 275 State & Society SS 280 Women-Socialist Soc	M. Ford/F. Holmquist C. Bengelsdorf, etal	Open Open	None		
SS 257 African Development SS 275 State & Society SS 280 Women-Socialist Soc	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes	Open Open ENROLLMENT	None None	TTh 1030-12	FPH EL
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc INTEGRATIVE SEMINARS	M. Ford/F. Holmquist C. Bengelsdorf, etal	Open Open	None	TTh 1030-12  TIME	FPH EL
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc INTEGRATIVE SEMINARS	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes	Open Open ENROLLMENT	None None	TTh 1030-12  TIME T 7pm	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster	Open Open ENROLLMENT METHOD	None None	TTh 1030-12  TIME	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl	Open Open ENROLLMENT METHOD InstrPer	None None	TTh 1030-12  TIME T 7pm	PLACE CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  OURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TTh 1030-12  TIME T 7pm M 2-5	PLACE CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl	Open Open ENROLLMENT METHOD InstrPer	None None  LIMIT  12	TIME T 7pm M 2-5 TBA	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  OURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  OURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  OURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTECRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE  CSC 26
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  INTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE  CSC 20
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  INTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE  CSC 26
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc INTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc INTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open ENROLLMENT METHOD InstrPer InstrPer	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA	PLACE CSC 24 FPH 14
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History  OUTDOORS PROGRAM	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan R. Lutts	ENROLLMENT METHOD InstrPer InstrPer Open	LIMIT  12 20 None	TIME T 7pm M 2-5 TBA TBA	PLACE CSC 2 FPH 1
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F IN 344 Amer Env History  OUTDOORS PROGRAM	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan	Open Open  ENROLLMENT METHOD  InstrPer InstrPer Open	None None  LIMIT  12 20	TIME T 7pm M 2-5 TBA TBA	PLACE CSC 2: FPH 1:
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F IN 344 Amer Env History  OUTDOORS PROGRAM	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl Racism L. Hogan R. Lutts  INSTRUCTOR	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD	LIMIT  12 20 None	TIME T 7pm M 2-5 TBA TBA	PLACE  CSC 2
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F IN 344 Amer Env History  OUTDOORS PROGRAM	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan R. Lutts  INSTRUCTOR R. Garmirian	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up	LIMIT  12 20 None  LIMIT  12 21 12 20 12 13 14 15 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	TIME T 7pm M 2-5 TBA TBA  TIME T 1230-5	PLACE PLACE PLACE
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History  OUTDOORS PROGRAM  COURSE OP 106 Beg Top Rope Climb	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl Racism L. Hogan R. Lutts  INSTRUCTOR	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up InstrPer	LIMIT  12 20 None  LIMIT  12 10	TIME T 7pm M 2-5 TBA TBA  TIME TH 1230-5 TH 1230-5	PLACE CSC 2: FPH 1:
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History  OUTDOORS PROGRAM  COURSE  OP 106 Beg Top Rope Climb OP 130 Cont Top Rope Climb	M. Ford/F. Holmquist C. Bengelsdorf, etal C.Bengelsdorf/J.Landes  INSTRUCTOR J. Foster J. Shepard-Kegl L. Hogan R. Lutts  INSTRUCTOR R. Garmirian	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up InstrPer InstrPer	LIMIT  12 20 None  LIMIT  12 10 6	TIME T 7pm M 2-5 TBA TBA  TIME T 1230-5 TH 1230-5 T 12-3	PLACE CSC 2: FPH 1:  PLACE RCC RCC KIVA
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History  OUTDOORS PROGRAM  COURSE OP 106 Beg Top Rope Climb OP 130 Cont Top Rope Climb OP 130 Cont Top Rope Climb OP 136 You: Creator	INSTRUCTOR  J. Foster J. Shepard-Kegl L. Hogan R. Lutts  INSTRUCTOR  J. Foster J. Shepard-Kegl L. Hogan R. Lutts	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up InstrPer InstrPer InstrPer InstrPer InstrPer	LIMIT  12 20 None  LIMIT  12 10 6 12	TIME T 7pm M 2-5 TBA TBA  THE T 1230-5 TH 1230-5 T 12-3 W 1230-5	PLACE CSC 20 FPH 10  PLACE RCC RCC RCC RCC RCC RCC RCC RCC RCC
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-F IN 344 Amer Env History  OUTDOORS PROGRAM  COURSE  OP 106 Beg Top Rope Climb OP 130 Cont Top Rope Climb OP 136 You: Creator OP 141 Peddle/Paddle/Climb	INSTRUCTOR  J. Foster J. Shepard-Kegl Racism L. Hogan R. Lutts  INSTRUCTOR  J. Foster J. Shepard-Kegl A. Hogan R. Lutts	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up InstrPer InstrPer	LIMIT  12 20 None  LIMIT  12 10 6 12 12 12	TIME T 7pm M 2-5 TBA TBA  THE T 1230-5 TH 1230-5 T 12-3 W 1230-5 T 1030-1	PLACE CSC 2/FPH 14  PLACE RCC RCC KIVA RCC PH C-
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  NTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History  COURSE  OP 106 Beg Top Rope Climb OP 130 Cont Top Rope Climb OP 130 Cont Top Rope Climb OP 136 You: Creator OP 141 Peddle/Paddle/Climb OP 218 Outdoor Ed & Leader	INSTRUCTOR  J. Foster J. Shepard-Kegl L. Hogan R. Lutts  INSTRUCTOR  ACCISM R. Garmirian G. Newth G. Newth R. Lutts, etal ship R. Garmirian, etal	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up InstrPer InstrPer InstrPer InstrPer InstrPer	LIMIT  12 20 None  LIMIT  12 10 6 12 12 15	TIME T 7pm M 2-5 TBA TBA  THE T 1230-5 TH 1230-5 T 12-3 W 1230-5 T 1030-1 TH 930-12	PLACE CSC 24 FPH 16  PLACE RCC RCC KIVA RCC PH C-
S 257 African Development S 275 State & Society S 280 Women-Socialist Soc  INTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History  OUTDOORS PROCRAM  COURSE  OP 106 Beg Top Rope Climb OP 130 Cont Top Rope Climb OP 136 You: Creator OP 141 Peddle/Paddle/Climb OP 128 Outdoor Ed & Leader OP 222 Interp Natural Hist	INSTRUCTOR  J. Foster J. Shepard-Kegl L. Hogan R. Lutts  INSTRUCTOR  J. Foster J. Shepard-Kegl L. Hogan R. Lutts	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up InstrPer InstrPer Sign-UP InstrPer Sign-UP InstrPer	LIMIT  12 20 None  LIMIT  12 10 6 12 12 12	TIME T 7pm M 2-5 TBA TBA TBA  TH 1230-5 TH 1230-5 T 12-3 W 1230-5 T 1030-1 TH 930-12 TH 1-4	PLACE CSC 26 FPH 14  PLACE RCC RCC RCC KIVA RCC PH C- PH C- PH C- PH C-
SS 257 African Development SS 275 State & Society SS 280 Women-Socialist Soc  ENTEGRATIVE SEMINARS  COURSE IN 330 Biochemistry IN 331 Language in Context IN 332 Political Economy-I IN 344 Amer Env History  OUTDOORS PROCRAM  COURSE  OP 106 Beg Top Rope Climb OP 130 Cont Top Rope Climb OP 130 Cont Top Rope Climb OP 136 You: Creator OP 141 Peddle/Paddle/Climb OP 218 Outdoor Ed & Leader	INSTRUCTOR  J. Foster J. Shepard-Kegl L. Hogan R. Lutts  INSTRUCTOR  ACCISM R. Garmirian G. Newth G. Newth R. Lutts, etal ship R. Garmirian, etal	ENROLLMENT METHOD  InstrPer InstrPer Open  ENROLLMENT METHOD  Sign-Up InstrPer InstrPer Sign-UP InstrPer Sign-UP InstrPer	LIMIT  12 20 None  LIMIT  12 10 6 12 12 15	TIME T 7pm M 2-5 TBA TBA  THE T 1230-5 TH 1230-5 T 12-3 W 1230-5 T 1030-1 TH 930-12	PLACE CSC 20 FPH 10  PLACE RCC RCC KIVA

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## 4.0 Schodulo of Classos

RECREATIONAL ATHLETICS	<del>e de la constanta de la const</del>	ENROLLMENT			
COURSE	INSTRUCTOR	METHOD	LIMIT	TIME	PLACE
RA 101 Beg Shotokan Karate RA 103 Int Shotokan Karate RA 105 Aikido RA 106 Beg Hatha Yoga RA 107 Cont Hatha Yoga RA 109 Cont T'ai Chi RA 110 Physical Fitness Class RA 11 Fencing RA 112 Badminton RA 113 Women's Field Hockey RA 114 Women's Soccer RA 115 Kayak Rolling/Pool RA 116 Beg Whitewater Kayak RA 117 Int Whitewater Kayak	M. Taylor M. Taylor M. Taylor P. Sylvain S. Morley S. Morley P. Gallagher P. Gallagher R. Rikkers W. Weber J. Evans K. Stanne K. Stanne B. Judd B. Judd B. Judd	Open Prereq Prereq Open Open Open Open InstrPer Open Open Open Open Open Open Open Open	None None None None None None None None	MWF 3-430 TTHSun 7-9pm Sun 3-5 TTH 10-12 M 2-315 M 330-445 M 630-745pm M 8-930pm TF 12-1 TBA TBA MW 4-6pm TTH 4-6pm W 6-730pm T 1030-12,TH 1-6 TH 1-6	So Lounge So Lounge So Lounge So Lounge Donut 4 Donut 4 So Lounge RCC RCC RCC RCC RCC RCC Pool Pool Pool So Lounge
RA 118 Iyengar Yoga RA 119 Basic Scuba Cert RA 120 Improv Body Movement	J. Hansa S. Kuhr M. Cajolet	InstrPer Open	None .	MWF 10-12	TBA

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BEGINNING TOP ROPE CLIMBING OP 106	Garmirien
CONTINUING TOP ROPE CLIMBING OP 130	Newth
YOU: THE CREATOR OF 136	Newth
PEDDLE, PADDLE, CLIMS OP 141	Judd Newth Lucts
OUTDOOR EDUCATION AND LEADERSHIP: AN OVERVIEW OF 218	Greenberg Garmiriam Lutts
INTERPRETIVE NATURAL HISTORY OP 222 (NS 222)	Lutes
WOMEN AND NATURE SEMINAR OP 256 (HA 256)	Greenberg
PERU TRIP STUDY GROUP OP 257	Greenberg

## BEGINNING TOP ROPE CLIMBING

## Bob Carmirian

This course is designed for people with little or no experience. It will cover basic safety techniques, belaying, knots and cliebing techniques. Each weak the class will travel to one of the many local cliebing areas and on wet days we will use the inder cliebing well. For beginners only.

Class meets Thrusdays from 12:30 to 5:00 P.M. and is limited to 12. Sign-up at the O.P. office.

## CONTINUING TOP ROPE CLIMBING

## Greg Newth

This class is designed for people experienced in top rope or lead cliabing who wish to concentrate on expanding their awareness on the root. We will attempt to work on concentration, balance, the ability to evaluate a cliab before cliabing it, how to pick out a route and on widening one's wision where it cliabing. This will be done through a series of exercises in periences and awarenesses with each other during the class and through the use of a class journal. This class is not designed for people who are just beginning or who have only been cliabing a few times. It is preferred that you have cliabed regularly for at least one executed.

Class meets Thursdays from 12:30 to 5:00 P.M. and is limited to 10. Permission of the instructor is necessary. Sign-up at the 0.P. office.

# YOU: THE CREATOR

# Greg Newth

This course will introduce three major areas necessary in the development and completion of a basic construction project. The chosen project is an alternative work space for the purpose of abstracting project is an alternative work space for the purpose of abstracting project in the purpose of abstracting project in the purpose of a project in the purpose project. This course is designed and geared for beginners.

Class meets Tuesdays from 12:00 noon to 3:00 P.M. and is limited to 6. Permission of the instructor is necessary. Sign-up at the 0.P. office.

# PEDDLE, PADDLE, CLIMB

# Becky Judd, Ralph Lutts, Greg Newth

This is an introductory class designed to give the beginner a fundamental background and understanding of four major areas within the Outdoors Program. In the first two sepsents we will work on the basic skills of both kayaking and rock climbing. In the third segment we will explore a number of interesting natural areas in the valley by various modes of transportation (foot, bide, etc.) Lastly, we will venture on an overnight down one of the New England rivers by canoe.

Class meets Wednesdays from 12:30 to 5:00 P.M. and is limited to 12. Sign-up at the 0.P. office.

# OUTDOOR EDUCATION AND LEADERSHIP: AN OVERVIEW

# Bob Garmirian, Judy Greenberg, Ralph Lutts

This course will deal with the many topics important to people with an interest in the broad field of outdoor education. We will examine and discuss a variety of topics of interest to environmentalists, outdoors/high risk leaders and education, tense will include the history of outdoor education, teaching skills, group leadership, ethical and legal considerations, the administrative sightmare, natural history, and program awainament activities, maintain a journal and cactivities, maintain and cactivities, maintain and cactivities, maintain and cactivities and a section and cactivities and a section and a sectio

Class meets Tuesdays from 10:30 A.M. to 1:00 F.M. Enrollment in listed to 12 and first preference will be given to students alroady enrolled in Outcome Zducation and Leadership. Others will be addited on a first come, first served basis. Sign-up at the 0.P. office. Persistence of instructors mecomeanry.

## (IP 222 INTERPRETIVE MATURAL HISTORY

"interpretation" in the sense used here means education based upon the first hand experience of an object or environment. What distinguished interpretive natural history is not that it (continued)

is about nature, but that it is in nature - it is based upon the experience of the real thing. Nature interpretation is done in many settings, including residential comps, nature centers, parks and on the trail.

This course will explore a variety of methods of interpreting natural history and ecology in the outdoors. It will emphasize cochiquee that require a ontinum of materials, making them ideal for use on the trail. In addition, we will examina other methods that are appropriate in summer camps or nature centers. An emphasts will be placed upon gaining the skills encessary to "read" the landscape and to help others to do the same. We will also examine leadership techniques in the context of interpretive field trips and the general considerations that are involved in planning and conducting such trips.

Many of the techniques do not require that the students in this class have a very extensive background in easoral his-tory or coology, although such a background sould be high this course will cover the basic natural history content on easary to employ these interpretive methods, including place and minal identification, ecological succession and transi-tion, basic speciogical principles, observational astronomy as some field techniques.

We will meet once a week. The course will be a combination of classwork and a lot of time outside. Students will be expected to design some interpretive exercises that they will share with the class. They should plan to attend at least a day of the best of the class. They should plan to attend at least a day of the bedief on Cape Cod, October 6 - 11, 1980. Class meets on Thursdays, 9:30 - Noon and is limited to .15. Sign-up at the 0.7.

# WOMEN AND NATURE SEMINAR

## Judy Greenberg and Jane Murphy\*

This will be an opportunity for vomen to explore their personal relationship to nature/vilderness and to read literature describing other women's experiences. We will use our own writing and a week'long outdoors trip together as means to approach this relationship. Some of our readings will include Moman and Mature by Susan Griffin, Surfacing by Margaret Atoud, The Vanderzound by Sally Searhert and some readings on native-american women. We will viso examine the image of land-as-american women. We will viso examine the image of land-as-american described to the surface of the surface woman in America.

We will meet once a week, on Thursdays, from 1:00 to 4:00 P.M. Enrollment is limited to 11. Come to the first class, where a lottery will be held if necessary.

A Jane Murphy is a Hampshire student who did much of her Divi-sion II work in the study of ecology and feminism. This course gives her the apportunity to share her experience of the outdoors as refuge and source of creativity.

# Peru Trip Study Group

# Judy Creenberg

Next January, the Hampshire College Outdoors Program will be leading a women's trip to Peru. We will be hiking the Inca trail to Machupichu (the classic Inca muins high in the Andes) and backpacking in Peru's newest nextonal page, also in the Andes. A visit to late Titicaca and to a constal villege will be possible. The final litherary and trip plans will be made by trip participants. All women interested in finding out more about this should come to an informational planning meeting at the OJ. on Theedon, May 6, 700 p.m.

During the Fall semester, all members of the trip will meet the first and third Wednesday each month from 3:00 - 5:00 p.m. Together we will study the Innea culture, Pervulan Miscary, politics, society, literature and other topics according to group interest. Each student will be expected to design, carry out and present to the class a project dealing with a sphefit arrest/soute of interest relevant to Teru.

The trip will cost between \$700 and \$900 (for 4 - 6 weeks). As a group we will raise money so that the cost is not an undue burden to any particular trip meeher. Instead, fundráising, if necessary, will be a group effort/challenge.

Enrollment is limited to 8. Students will be selected by permission of the instructor following the planning meeting on May 6.

# RECREATIONAL ATHLETICS

# SHOTOKAN KARATE (EGINNING)

# Marion Taylor

Shotokan Karate is an unarmed form of self-defense developed in Japan. It atcreases the use of balance, timing and coordination to avoid an attack and effective means of counterattack to be used only if necessary. The beginning course will cover: basic seacheds of blocking, punching, kicking and combinations thereof; basic sparing and basic basic appearinged sequence of tech-tiques simulating defense against multiple opponents.

Classes will meet during fall term on Monday, Wednesday and Friday from 3:00 to 4:30 P.M. In the South Lounge, RCC. Five College students will be graded on a pass/fail basis and must negotiate credits with their registrars.

# INTERMEDIATE SHOTOKAN KARATE II

This course is for students who have completed RA 101 and RA 102. The class will meet Tuesday, Thursday, and Sunday from 7:00 to 9:00 P.M. in the South Lounge, RCC.

# ADVANCED SHOTOKAN KARATE

# Harion Taylor

This course is for students who have attained the rank of brown belt or black belt. Class will meet Sundays from 3:00 to 5:00 P.M. in the South Lounge, RCC.

1	SHOTOKAN KARATE (BEGINNING) RA 101	Taylor
I	INTERMEDIATE SHOTOKAN KARATE 11 RA 103 .	Taylor
l	ADVANCED SHOTOKAN KARATE RA 104	Taylor
l	AIKIDO RA 105	Sylvain
١	BEGINNING HATHA YOGA RA 106	Horley
ı	CONTINUING HATHA YOGA RA 107	Horley
۱	T'AL CHI: 108 FORM YANG STYLE RA 108	Gallagher
l	CONTINUING T'AI CHI RA 109	Gallagher
I	PHYSICAL FITNESS CLASS (THE EXERCISTS) RA 110	Rikkers
١	FENCING RA 111	Weber
l	BADMINTON RA 112	Evans /
l	WOMEN'S FIELD HOCKEY RA 113	Stanne
l	WOMEN'S SOCCER RA 114	Stanne
l	KAYAK ROLLING AND POOL KAYAKING RA 115	Judd
ı	BEGINNING WHITEWATER KAYAKING RA 116	Judd
ı	INTERMEDIATE WRITEWATER KAYAKING RA 117	Judd
١	IYENGAR YOGA RA 118	Hansa
l	BASIC SCUBA CERTIFICATION RA 119	Kuhr
Ì	IMPROVISATIONAL BODY MOVEMENT RA 120	Cajolet

## RA 105 ALKIDO

# Paul Sylvain

Aikido is o relatively modern Japanese martial art which is innofemative and non-competitive. Its self-defensive movements are designed to off-belance and control the attacker by harmonizing (AI), rather than conflicting with the offemative force and redirecting it to a harmless outlet by means of (KI) total body awareness. Though modern, Aikido has its roots in ancient Japanese suroft, spear, and Julieau Secuese of this the movements are large and circular, appearing rather dancelike and interpretable of the secue of t

The class will meet Tuesday and Thùraday from 10 to 12, in the South Lounge, RCC.

# RECENTING HATHA YOGA

Hatha Yoga is the ancient science of postures and movements de-signed to relax, cleanse and stretch the body. We will focus on postures, breathing exercises, relexation and inner well-being.

The class will meet on Hondays from 2:00 to 3:15 in donut 4, center room

## RA 107 CONTINUING HATHA YOGA

This class builds on the work of the first class, deepening experience with the postures and introducing meditation. The class vill meet on Mondays from 3:30 to 4:45 in donut 4, center room.

## RA 108 . T'Al CHI: 108 FORM YANG STYLE

# Paul Gallagher

T'al Chi is a fore of moving meditation devised by ancient Chi-nese Taolst monks to promote perfect health and harmony of vital energies; a dance like passing clouds and flowing waters to celebrate our oneness with nature. Emphasis will be on pre-cise understanding of form and balance, attreasing the health, philosophical, and acathetic benefits of practice.

The class meets on Monday evenings from 6:30 to 7:45 in the South Lounge, RCC.

## RA 109 CONTINUING T'AL CHI

Continuing T'ei Chi will meet on Monday evenings from 8:00 to 9:00 in the South Lounge of the RCC. Permission of the instructor is required. Five College students will be graded on pass/fail banis, and credits must be arranged with their registrate.

PHYSICAL FITNESS CLASS (THE EXERCISTS)

Renate bikkers

This course is designed to promote good health, flexibility, cardiovascular efficiency, and a sense of well-being. Exercise programs and appropriate diet are considered on an individual basis.

Class will meet on Tuesdays and Fridays from 12:00 to 1:00 in the Robert Crown Center. This course is free to Hampshi students but fee funded for staff and faculty.

RA 111

Will Weber

Classes for both beginners and experienced fencers. No experience necessary; beginners are especially velcome. Basic equipment is provided.

This course meets two evenings per week in the Robert Crown Cen-ter. Time to be announced.

RA 112 BADMINTON

Jay Evans

Individual Instruction. No experience necessary; beginners velcome and opportunities for advanced players as well. Basic equipment provided. Prerequisites: an interest in mattering an excellent, health-promoting, inexpensive, carry-over-to-life physical activity.

This course, meets in the Robert Crown Center by appointment with the instructor. Individual instruction offered. Enrollment limited to 10.

WOMEN'S FIELD HOCKEY RA 113

Kate Stanne

The purpose of this class will be to get women involved in playing and improving their field hockey. Beginners to experienced players are welcome. We will work on offills, playing the game (with some conditioning built in). For those people interested, we will also be acheduling games with other schools.

Classes will meet on Mondays and Wednesdays from 4:00 to 6:00 P.H. The first meeting will take place in the gym, RCC.

8A 114 WOMEN'S SOCCER

Kate Stanne

The purpose of this class will be to get women involved in playing and improving their soccer. Beginners to experienced players are velocen. We will work on drills, playing the game (with some conditioning built in). For those people interested, we will also be acheabiling agamen with other schools.

Classes will meet on Tuesdays and Thursdays from 4:00 to 6:00 P.M. The first meeting will take place in the gym, RCC.

BA 115 KAYAK ROLLING AND POOL KAYAKING

Becky Judd

No experience required. Main emphasia will be on how to learn to enkino roll (tip a kayak right side up after capsting). For those unfastifar with kayaking, strokes, maneuvering on slalom gates, and paddling on the moby paddle board will be covered.

Classes will meet on Wednesdays from 6:00 to 7:30 P.M. Enroll-ment is unlimited.

BEGINNING WHITEWATER KAYAKING RA 116

Becky Judd

No experience required except swimming ability. Learn the fun-damentals of kayaking-strokes, rescue maneuvering-as well as the basic whitewater skilla-eddy turns, ferrying, bracing, river reading, surfing, mafety, equipment, and eskimo roll.

Class will ment in the pool Tuesdays from 10:30 A.M. to 12:00 noon and Thursdays from 1:00 to 6:00 P.M.

RA 117 INTERMEDIATE WHITEWATER KAYAKING

This class is for people with some whitewater and eskimo rolling experience. You will learn and perfect advanced whitewater techniques on class III water.

Class will meet on Thursdays from 1:00 P.M. to 6:00 P.M. (the first class meets in the Robert Crown Center). After November 15 classes will be held in the pool.

IYENGAR YOCA

Jyoti Hansa

Iyengar Toga was developed by B. K. S. Iyengar in India over forty years ago. It is described as "a technique ideally matted to prevent physical and mental inhalances and to protect the body generally developing an inevitable sense of self-reliance and assurance. By its very nature it is inextricably associated with universal laws: for respect for life, truth, associated with universal laws: for respect for life, truth, associated with universal laws: for respect for life, truth, associated with universal laws: for respect for life, truth, associated with universal laws: for respect for life, truth, associated with universal laws: for respect for life, truth, associated with universal laws: for respect for life, truth, associated with associated with the laws and part for the laws of the

Class meets Tuesday from 1 to 3 in South Lounge. Enrollment limited to 20. Fee funded.

Saul Kuhr

This is a N.A.U.I. sanctioned course leading to basic Scuba certification. Beginners welcome. One and one-half hours of classroom instruction and one-and one-half hours pool (tee per week. Class meets at the Bobert Grown Center. Students supply mosk, (ins. and soncke); all-over equipment provided. Pretequisite: adequate swimstng skills. This is a fee funded course; arrangements under bith the instructor.

IMPROVISATIONAL BODY MOVEMENT RA 120

Merlyn Cajolet

Merlym Cajolet

This' is a course designed to encourage creative expression. It will be an experience in which participants are stimulated to explore sovement possibilities fairs, participants will leave a provide the provided provided to the provided pro

No dance experience is necessary to join the class. West com-fortable clothing. Class meets Mondays, Mednesdays, and Pri-days, from 10:00 A.M. to 12:00 moon in the South Lounge, RCC. Zarollaent is unifaited.

# SPECIAL PROGRAMS

If you are interested in pursuing a business career or attending graduate school in business, be sure to talk to Lloyd Hogan. Laurie Nisonoff, Stan Warner, or fred Weaver in designing your program of atudies. Many students have used their liberal arts education and special, resources at Hemphite source the desired of the state o

The Education and Child Studies Program at Nampahire College strives to meet the many diverse concerns of students interested in this area. Central to the study of educational issues is an understanding of children-how they grow, develop, learn, and how they relate to Janily, friends, school, and the larger community. Closely connected is the need to understand the interientation of the school and the larger the values, goals, and mapping the property of the school of the school and the larger studied as and spring the school of the school of the school and the larger studied as and spring the school of the sch

Students desiring J concentration in this program are encouraged to use these inquirites as a guide and to use both approaches in their search for understanding. Following a broad liberal that sace, students are urged to select relevant courses from among those offered in each of the four schools, as well as the Five Colleges. In this way, students will be able to gain breadth and enough depth to develop firm grounding for more specific topics of their own joice.

Mong this fall term's offerings are:

[C 05 Children's Drawings
LC 152 Culture and Thought: A Psychological Perspective
(proseninar)
[L 18] The Psychology of Human intelligence (proseninar)
[C 240 Child Language Development
LC 240 Child Language Development
Development
S 214 Philosophies of American Education (meets one of the
state certification requirements)

Nate Certification requirements)

Other relevant-offerings with very with each student's special needs and/or interests. Students planning to enter the teachers of the student of the student of the students of the program, general knowledge, speaking and writing skills, and sufficient background to understand and very skills, and sufficient background to understand and seeks agency and students of the students prepared to the students of the

Allan Krass, Faculty Coordinator

ESAPP is a College-wide program with a four-School coordinating committee headed by Allan Krass. of the School of Natural Science. Other embers of the committee are bavid Safeth (Humant-Lies and Arts), Richard Muller (Language and Communication), and Robert Rahoff (Social Science).

The gbjectives of the ESAPP program are to encourage student interest in environmental and public policy issues and to provide support for individual and group research activities in these areas. In past years the program has sponsared such process as a study of the coolegy of the proposal bontague into the accident risks assective the proposal bontague have provided the proposal bontague have provided by the proposal bontague have been provided by the proposal b

gy conservation in the context of a farm adjacent to the campus

The program operates out of the BSAPP cauding room and advising center in Cole 11). In this room is a well supplied and grow-neutral model of the SAPP cauding room and advising center in Cole 11). In this room is a well supplied and grow-nearth operations are the superation of the supplied and grow-nearth reports. The office is staffed by students who double as advisers for people who would like to become involved in environmental issues either in acadesic or activist roles. SAPP has saintained close contacts with such local consumer and environmental organizations as MassPIKG and the Alternate Energy Coalition. The program also sponsors lectures and colloquis by outside speakers as well as Mampahire faculty and students.

In the past ESAPP has had a strong identification vi.h the School of Natural Science. In recent years, however, substantial progress has been made in brondening the scope of the program's interests. ESAPP has encouraged projects in the social, political, and economic aspects of environmental issues and is equally interested in the ethical and aesthetic discussions of these questions.

ESAPP also sponsors the Student Environmental Series. Those workly sestinars are a forum in which students present work and teleas related to the environment. The unsal format means the series of th

All are welcome to the seminars, which take place Monday evenings, at 7:30 P.M., in the KIVA. People interested in presenting work should contact ESAPP. ings, at 7:30 P.M., in the NIVA. People interested in presenting over should contact ESAPP.

Related courses arts:

Rolated courses arts:

LO 104 Social Consequences of Mass Communication

LC 104 Social Consequences of Mass Communication

LC 105 MoveMathor: The Mark of Contact Consequences of Mass Communication

LC 105 MoveMathor: The Mark of Consequences of Mass Communication

No. 110 State of Mark of Consequences of Mass Communication

No. 111 Torpical Marine Ecology

IS 137 Moveman Habitate of New England

No. 149 Topical Marine Ecology

No. 140 Topical Marine Ecology

No. 140 Topical Marine Ecology

No. 151 Moveman Mariculture

No. 152 Consequences of Marine Marine

No. 152 Consequences of Marine Marine

No. 152 Consequences of Marine Marine

No. 152 Consequences of Marine

No. 152 Consequences

No. 152 C

Although Nampshire does not presently have a formal feminist audies program, a number of faculty members have a deep inter-est in this field and are willing to work with students in their academic programs.

Humanities and Arts Jill Lewis Mary Russo

Language and Communication Jamet Tallman Natural Science

Saundra Oycwole Janice Raymond Ann Woodhull

Carol Bengeladori Margaret Cerullo Nancy Fitch Penina Glazer Gloris I. Joseph Joan Landes Naureen Mahoney Lester Mazor Laurie Risonoff Miriam Slater

Social Science Carol Bengelsdor Margaret Cerullo

Related courses Arg:
HA 118 American Families, American Homes (proseminar)
HA 200 The Ancients and the Moderns
HA 256 To Ancients and the Moderns
HA 256 To Fore The Moderns
HA 256 To Fore The Moderns
However Seniar
Language, Myth., and the Peminine Consciousness
HA Haman Biology: Hale and Female Reproductive Function
HA 258 The Missiony of the Family
HA 258 We Women in Socialist Societies: Theory and Practice

FOREIGN LANGUAGES/ LANGUAGE STUDIES

LANGUAGE STUDIES

Hampshire College has no special foreign language departments, although instruction in fronch and Spandah is offered at the introductory and externediate levels through internal courses, introductory and internal courses. For internal course, and introductory and foreign language alone cannot be presented to students with an interest in language till find that a deeper knowledge of foreign languages can enhance their work in many areas of language research: linguistic theory, sociolinguistics, literary stylistics, and anthropology, in addition to the regular foreign language instruction, the School of Language and Communication occasionally offers courses in the above disciplines in a foreign language; or example, course in Spanish on the speech of Fuerto Nicenai in the United States; or a course in French on the Linguistic expidict in Quebec.

Courses in other languages and foreign language literature courses are awailable through Five College cooperation. Some examples: Chinese and Japanese, as part of the Five College Asian Studies Program; Creek and Latin. Germanic languages, including Danish, Dutch, and Swedish; Slavic languages, including Russian and Polish; and Romannee languages, including Italian, and Portuguese.

Italian, and Portuguams. The main emphasis of faculty at Hampahire, however, is on human language in general as a social, cultural and cognitive phenomenon. In addition to linguistic theory—the investigation of language as a component of the human mind—that courses where language. Within the fittle lation to social courses where language within the fittle lation to social courses where language within the fittle lation to social courses where language within the fittle lation to social courses deal with such phenomena as bilingualism; language variation, ethnicity and social satue; and the analysis of conversation and interpersonal language in the content properties. Hampahire offers course another perspective, Hampahire offers course language is used in the creation of art forms like poetry and prose.

Although much exciting current work in these fields is done in English, students of foreign languages will have ample opportunity to pursue their languages studies in these broader contexts. The atudent of French, for example, may find the question of bilingualism in Quebec, or the nature of non-tandord Canadian French, of special interest. The student of Spanish sight focus on bilingualism is the Purtru Mitzen of Spanish sight focus on bilingualism in the Purtru Mitzen of Spanish speakers in New York City. The stylistic analysis of French and Spanish poetry and prose provides another means of incorporating foreign language study.

In addition, courses often provide a close examination of a vide variety of other languages, and students with no previous training in those languages will become acquainted with their general structure. Examples include Navaho and Klamath (Amer-ican Indian languages of the Southwest and Northwest, espec-tively); Sinhalese (a language of Sri Lanka, or Ceylon); and the American Sign language of the deaf. The stress, however, is on what a language may reveal about the people who speak if, and about the social, cultural, political and linguistic forces which shape the development of the language.

Students can design concentrations on the social implications of bilingualism mong Portuguene-American children; anthropological, linguistic, and philosophical problems of translation; the eain-temance of the French language in Maine; among others. Many good fleidwork opportunities ex'n; to bilingual communities throughout the country and in the waching of second languages.

Students interested in exam work, concentrations, or general in-formation about the program should see Mark Feinstein. Assistant Professor of Language Studies.

- Courses relevant to the program include:

  [C 11] Sestar in Linguistics
  Conversation Thoughts Associated Section 1. Conversation 1. Convers

## LAW PROGRAM

The Law Program examinum insuems in law and society from a variety of perspectives. We seek to organize and support activity across school, divisional, and other boundaries within the college. The activity of the program includes courses, independent studies, concentration, Division III projects, public seeks at I feld educy appear and supervision, and development of library and other resources.

Law is a phenomenon which touchos every aspect of our existence. The study of law, legal processes, legal ideas and events, provides a focus for many kinds of inquity. The range of activities possible within the scope of our Law Program is as broad as the interests of those participating in it. The Law Program is not designed as preparation for law school. Although there is none overlap between the interests of students who want eventually the study of law in their undergranduste education, the Law Program as such is concerned only with the latter. (Pre-law counselling is done by Lester J. Mazor and E. Oliver Fowlkes.)

Counselling is done by Lester J. major and E. Oliver rowards. The Division II courses are the core of the Law Program's content. Students who plan a concentration in law, or, as is often the case, a concentration which includes some aspect of law of the course in Hampshire's Division I, hasis Studes. Like all Hampshire by Liston I courses, the primary objective of these courses is to develop the student's understanding of the mode of inquity of the school or schools in which they are taught and generally to contribute to the student's growth as a learner.

Independent study related to law may be done under the supervision of any of the faculty working in the Law Program. In
particular, E. Oliver Fowlkes is especially interested in mental health, the legal profession, representation for the poor,
and welfare law, and can provide assistance in arranging field
work placement. Lester J. Macor is especially interested in
disputer resolution, social control in cross cultural contexts
should contact Barbara Yngwesson. Those interested in governent policy and its implication, politics and law should contact Robert Baboff. Students have designed concentrations
which draw very largely upon Law Program courses or which include some contribution of the Law Program to their induction
prisons. Law and inequality, juvenile courts, and relevant portions of concentrations in politics, history, economics, sociology, environmental studies, women's atudies, under studies,
and a number of other fields. The Law Program cregularly sponsors speakers, films, and other social events. Members of the
Rampshire community who have in sind some event which would be
appropriate for sponsorship by the law Program ere encouraged
to request support from the steering committee.

No formality of admission or sembership is required for partic-

No formality of admission or membership is required for participation in the Law Program. The way to indicate your affiliation and to keep informed is by placing your name on the Law Program mailing list so that you will receive notices of Law Program events and activities. This list is meintained by Bachars Taienda, Franklin Patterson Háll room 218. There is a Law Program Center where students working in the program may organize and conduct their activities.

- Relevant courses for fall are: 55 109 Change in the Legal Profession: Perspectives in Lawyering 55 127 Social Control and Dispute Settlement 52 17 Problems in the Philosophy of Law and Justice 55 218 Through the Looking Ginss: A Study of Law and Social Psychology

WRITING AND READING PROGRAM/ WRITING AND READING LABORATORY

Offers ussistance in the areas of writing, reading and study skills. Help may be either individualized or group, short- or long-term, and is based entirely on the needs of the individual student. Some students come once for help with some specific aspect of paper writing; others come several times for work on a specific project, while skill others come on a regular basis for assistance in hasic skills, etc. Similarly, work with reading (comprehension, recention, speed) and study skills may be abort- or long-term, and a program is constructed according to the needs of the individual student.

Contact Deborah Berkman, director of the program, for appointments and additional information. Her office is located in Dakin House (D-104) and her extension is \$31.

upuin House (D-104) and her excension is 531.

<u>Laboratory:</u> The materials in the lab provide students the opportunity to work at their own pace on self-guided materials in
th's areas of grammar, spelling, composition, reading comprehenation and retention, study skills, etc. For students who do not
vish to work on a long-term hysis, there are also remource
materials available to mark? specific questions in these areas.
For students who wish to work on the excession is these areas.
For students who wish to work on the control of the excession of the excession is the control of the excession of the excession is the excession of the excession of the excession is the excession of the excession

Morkshops: Workshops dealing with specific problems in writing are offered several times each seatgrer. The workshops are run through the houses and are open to the whole community.

For additional information about the laboratory and workshops contact Debby.

Library Work: The reference librarians and other members of the Library Center staff give assistance to individual students and work with the faculty to develop special instructional units on such typical research problems as location of sources and note taking. Contact Susan Dayall, media resources advisor, extension Side.

# **FACULTY**

# SCHOOL OF HUMANITIES AND ARTS

John R. hoettiger, professor of human development, joined the Hampshire planning staff in 1967. In those first years of the College's life he contributed to the early design of educational policy and academic programs. He is particularly interested in porconal history, blography, family studies, psychonalytic psychology, and psychotherapy. He taught at Amberst College from which he received a B.A. in 1960, conducted research for the Ram Corporation in California, and completed his Ph.D. in human davelopment and psychotherapy. His publications include Victoman and American Foreign Policy and a recent study in biography and family history, A Love in Shadow. Pocessor Boottiger will be on leave for the 1980-81 academic year.

Raymond Knowom hradt, assistant professor of philosophy, although mainly a Scholar of the western philosophical tradition, is also outstanding in oastern studies scholarshy. He holds a B.A. in philosophy and an H.A. in theology from Notre Dame as well as an H.A. in philosophy scholar beginning from Young the service of the currently a candidate for a Ph.D.

David Cohen, assistant professor of thearre, holds a B.A. In theatre honors from the University of Massachusetts and M.F.A. in playwriting from Brandse University. He has written for Broadway, television, and film and has taught playwriting and cheatre arts at the universities of Montana, South Carolina, and George Mason in Virginia. In addition to caching, beath days produced several legituhis of now playwrights' works.

Charles Frve, associate professor of education, holds B.A. and M.A. degrees from Howard University and a Ph.D. from the University of Pittaburgh. Charles' interests include oriental religion and philosophy with an emphasis on Africa, Black Studies eskinistrative and curricular development, and Jungian psychology. His degrees are in higher education, African studies, an opplittcal actence. He has done consulting work in the humaniti and directed an interdisciplinary studies program.

Barry Coldenshin, dean of Hamanities and Arts and professor of literature, holds a S.A. in philosophy from Obarlin College and M.A. in English from the University of Visconsin. His opetry has been widely published in periodicals and anthologies and in two collections: <u>St. Vanue Swy and Uncerving the Block.</u> He has taught at several colleges and universities, most recently at Coddgred College and the Pritter's Workshop at the University of

Graham Cordon, sesistant professor of human devalopment, extract his A.M. in machinest case is continuent to a Continuent to a Continuent to Rollage in Membrists and an Electric Membrists of the Research of Picking Membrists of Research of Resear

<u>Linds Gordon</u>, assistant professor of human development, holds at A.S. in psychology from Adelphi University. Prior to coming to thempshire, sho was associated with South Hampton College on Lon Laland, where she worked with such Hampton College on Lon Laland, where she worked with superiential education groups. She shares the materarihip of Bakin House with Craham Cordon

Van R. Halsey, Jr., associate professor of American Scudies, was associate director of admissions at America College from 1956 to 1959 and case to imagehite as director and better from the college property of the college from 1956 to 1950 and case to imagehite as director and better from the college from 1956 to 1950 and the college from 1950 and the college from 1950 and 1950 a

Arthur Benner, professor of design, was formerly chairmen of the design department of the Massachusetts Collage of Art. He hold as S.P.A. and M.P.A. from Yelle University and a certificate from Cooper Union in New York City. His sculpture and design work have been videly achibited, and he has accepted as graphic design consultant for the Boston Sogiety of Architectura and the Boston Architectural Center. Professor Moener will be on leave during the Fall 1980 term.

Cisyton Hubbs, assistant professor of literature, is intereste in modern drama, twentiath-century Anglo-American literature, is sighteenth-century English literature. He received a S.S. in journalism from the University of Missouri at Columbia and a Ph.D. from the University of Machington.

Joanna Hubba, associate professor of history, received a S.A. from the University of Missouri and a Ph.D. in Russian histories from the University of Washington. She is fluent in French, man, Polish, Russian, and Italian.

Thomas Josian, assistant professor of film, holds a S.A. in photography from the University of New Mampshire and an N.F.A. in filmsaking from the Bhods teland School of Besign. He has evice won search from the Macienal Endowment for the Arts for his work in film education. Professor Josian will be on leave for-the 1980-81 academic year.

Norton Juster, professor of design, is a practicing articlet, designer, and uriter whose books include the Phantom Tollbooth a children's fantesy; The Dat and the Line, a machematical fable and into an Andemy Award-mining animated file; and Sowest to Labor, a book on the lives of vomen in the live ninteenth can and he studied at the University of Liverpool on a Fulbright scholarship.

L. Srown Kennedy, assistant professor of literature, is interested mainly to the Remaissance and the seventeenth century with particular emphasics on Elizabethen and Jacobsen drams, Shakespeare, the metaphysical poets, and Hitton. She received a B.A. from Duke university and an M.A. from Cornell' where he is a candidate for

Wayne Kieser, assistant professor of their arts, helds bou-the 5.7.A. and H.T.A. title penhals in slading notic for the thea-ter's theatre and the production of original seripts. He has directed for the stage and television. His design work has been seen both in this country and in Europe. Not recently he was a guest artist with the Smith College theatre and designed the Nor rox production of Smitzol. Each With letter performed in Socialas.

Frank Lormon, faculty associate in His and director of the options office, holds a Ph.D. in European history from the University of the Comments of the Comments of the University of Massachusetts. His interests include higher education and society, Surpopean cultural history, and foreign study. He has saught at St. Lawrence University and studied in England and Germany.

III Levis, assistant professor of humanities, holds a B.A. from Newnham College, Cambridge, England, and is presently pursuing a Ph.D. at Chebridge University. She has been very active in the Wasqn's Liberation Novement in Britain and France. Ms. Levis teaches courses in literature and cultural history at Humpshire. She-will be on leave for the 1980-51 academic year.

Jaron. Liebling, professor of film studies, has produced several award-winning films and hav exhibited at the Huseum of Modern Art, George Eastman House, and other museums. He has taught at the University Of Minnesona and State University College at New Paltz, New York.

Richard C. L.on, professor of English and American Studies, holds Ba.A. degrees from Texas and Cambridge, an H.A. from Connecticut, and a Ph.D. in American Studies from Minnesoca. He was formerly chairman of the American Studies curriculum at the University of North Carolina at Chapel Hill, and was Rampshire's first Dean of the College. He holds a joint appointment with the School of Language and Communication. Professor Lyon will be on leave during the Spring term 1981.

Robert Marques, professor of Hispanic-American literature, has worked for the World University Service in Peru and Venetuela, served as area coordinator of the migrant education of the Middleiax County in Musachusett and Control of Lax Lower Section 1988. Believe the Middleiax County in Musachusett and Applications of Lax Lower Section 1988. He holds a B.A. from Brandeis and a Ph. D. from Brandeis and a Ph.D. from Brandeis and a P

<u>Rinine Mayor</u>, essociate professor of film studies, has a B.A. in art from Stanford. She did graduate study in painting and photography at the University of Minnasota. Her photographs have appeared in many exhibitions and publications.

Stancia McClellan, associate professor of dance, received a B.S. in dance from the Juilliard School of Music and an M.Ed. from the University of Massachusetta. She was a member of the Joan

Francia McCleilan, associate professor of dance, received a B.S. in dance from the Juilliard School of Music and an M.Ed. from the University of Massnchwarts. She was a member of the Joan Kerr Dance Company and the Anna Sokolov Dance Company; she has also assisted Jose Limon. She is certified as a teacher of Labanotacion and as an Effort Shape Rovement analyst. In addition to being a dancer and choreographer, she has secretary deviated several works from Lubanotated scottan—in everyday behavior is in observice expression. She will be chair of the Five College Dance Jeparsent for 1980-81.

Randall mctizilan, associate professor of music, received his B.H. and H.M. from the University of Cincinnati and his Ph.D. from the Eastman School of Music. He has taught suske theory and composition at West Chester State College, Pa., where he wan also director of the electronic music studio. An active composer, he also enjoys singing in the style of North India. He is no rigitator of "bound swencess retaining" about which he has written a book, The Soundiers Dourd. He was the subject of the contraining the subject of the 1980-81 academic year.

Robert Heagher, associate professor of philosophy of religion, has a B.A. from the University of Notre Dame and an N.A. from Chicago. His Device and include personalities and Powers Rectonizer, Touching Stomes: Rethinking the Political, Cave Nocar, and An Introduction to Augustine. He has Gaught at the University of Notre Dame and as Indiana University.

John Hartley Murray, assistant professor of art, holds a B.A. from Hampshire College and an M.A. in painting and color theory from Goddard College. Her work has been exhibited in group shows at Hampshire and the University of Connecticut and in a one-person showing at Coddard. She has also served as guest critic and lecturer at a number of New England colleges.

Nine Payne, visiting assistant professor of human development, attended Connecticut College for Women and graduated from Sarta Lawrence College. She is author of All the Day Long, a collection of nursery rhymes and poems for children, published by Allen Control of Sarta Control of Sarta Control of Control o

<u>Earl Pope</u>, professor of design, holds a B.Arch. degree from North Carolina State College at Raletgh and has been design and conactwartion critic for the Pract institute in New York City. Ne has been engaged in private practice since 1962.

Abraham Ravett, visiting assistant professor of film and photography, holds a B.A. in spychology from Brooklyn College, a B.F.A. of the control of the con

Mary Busso, assistant professor of literature and critical theory, earned a S.A. in English from Michigan State university; an M.A. in comparative literature from Cornell. She has taught at the University of Michigan, and a University of Massachusetts, Trinity College in Hartford, and New York University.

Andrew Salkey, professor of writing, has published widely in the fields of fiction, non-fiction, and poetry. A Jamaican national, Nr. Salkey has also worked as a brondcarter, journalist, ceacher, and lecturer. He received his education at St. Gorga's College and Nunro College in Jamaica and the University of Jondon,

David E. Smith, professor of English and American Studies, holds a B.A. from Hiddiebury College and H.A. and Ph.D. from the University of Minnesota. He has been at Mangahire since it opened, and before that was Director of Indiana University's graduate program in American Studies. His writing and teaching reflect an interest in American social and intellectual actitudes toward landscape.

<u>Francis D. Smith</u>, professor of humanities and arts; a Harvard graduate, he has tought in high schools and colleges, directed federal community relations programs for Massachusetts, and has published as a sociologist, playwright, and novelist.

Roy Superior, associate professor of art, carned his B.P.A. at the Pfatt Institute in New York and his M.P.A. at Yale University. He has also studied at the Instituto Allende in hexico. He has had several years of experience in caching drawing, palnting, and has exhibited his work at a number of northeastern colleges and museums.

# SCHOOL OF LANGUAGE AND COMMUNICATION

Ellen Ward Cooney, assistant professor of psychology, hold a B.A. from Radcliffe College and an Ed.D. in developmental psychology from the Warvard Graduate School of Education. She has sorked as a pse-dectoral intern in child psychology at the Judge baker Guidance Center in Boston. Her interests are in cognitive-developmental theory, social and egg development, and applications of social-cognitive-developmental theory to clinical and educational practice. Ms. Cooney is on leave for the academic year 1980-81.

Mark Fetoaccin, assistant professor of language studies, has a 7h.D. In linguistics from the City University of New York. Among his special intercent me phonological theory, bilingualism, implications, and neurolinguistic research for a general theory of language and the control of language and the control of language. The first of language is the control language of language for the professor of language the control language and the professor of language and the control language and the con

Jay Cartield, assistant professor of philosophy, received his B.A. from Oberlin College and his Ph.D. in philosophy from the University of Pittsburgh. His main teaching interests are in philosophy of psychology, philosophy of sind, and echies. His recent research compares the model of explanation used by behaviorists with that of contemporary cognitive psychologists.

Moryl Gearhart, visiting assistant professor of psychology, has an N.A. in remedial reading from New York University and an N.Phil. in developmental psychology from the City University of New York where she is currently completing her Ph.D. Her interests include social interaction among young children and its relation to social development and classroom interaction and its calculation to engitive development.

James Paul Cee, assistant professor of linguistics, holds a B.A. (philosophy) from the University of California, Santa Barbara, and an H.A. and Ph.M. (linguistics) from Stanford University. Within linguistics his increarest include syntactic and scemantic theory, pragmatics, cheories of grammar, linguistics and literature, and the structure of English, as well as sorchiomysistics and variation theory. Within philosophy, his interests include epiatemology, the theory of perception, intentionality, philosophical logic, and the philosophy of language, as well as the history of analytic philosophy. Mr. Gee will be on leave Spring Term 1981.

Allen Hanson, associate professor of computer science, has a B.S. from Clarkson College of Technology and an H.S. and Ph.D. in electrical engineering from Cornell University. His main research interests are in nonnumeric programming, artificial intelligence, and pattern focognition. At the University of Hunasota he developed courses in computing fundamentals, artificial intelligence, and higher level languages.

David Kerr, ossistant professor of mass communications and Master of Merrill Mouse, has a B.A. from Hissi University in Molto, an H.A. to Missi University in Molto, an H.A. to Merselly, illis caching experience includes courses in communication research and journalism history. His continues in Communication research and journalism history. His course in communication press in America, how television affects the public, and communications law. We is currently researching the History of the Liberation News Sentice.

<u>Deborah Knaop</u>, assistant professor of psychology, carned hur B.A. in philosophy and psychology at Bernard College and has completed her Ph.D. at the University of California, San Disgo. She does research on child language and the development of interopective and problem-solving sollittices, let recenting interests include cognitive psychology, theory of education, and philosophical problems in psychology, theory of education, and philosophical problems in psychology.

<u>Elisabeth Leete</u>, faculty associate in French, has's B.A. from the University of Hassachusetts and a diploma in translation from the University of Geneva. Most recently she has tought with The Experiment in International Living in Brattleboro, Vermont.

Richard Lyon holds a joint appointment with the School of Humanities and Arts.

William Marsh, essociate professor of mathematics, holds his B.A., M.A., and Ph.D. from Dartmouth, and his special interests include the foundations of mathematics and linguistics. Mr. Marsh is Dean of the School of Language and Communication.

James Miller, assistant professor of communications, holds an M.A. in mass communications from the University of Denver and is completing pp.D. at The Annoberg School of Communications, University of Pennsylvania. He previously taught at Drevel Denversity. His twin research and teaching interests protectively in the twin research and teaching interests and the social control of the podia of mass communication. Mr. Miller will be on leave Spring ferm 1981.

Richard Muller, associate professor of communication, has been director of instructional communications at the State University of New York Upstate Medical Center at Syracuse. (He holds a B.A. from Anherst College and a Ph.D. from Syracuse University.

Angel Nieto, faculty associate in Spanish, was educated in Spanish and in the United States, holding a B.A. in anthropology from Brooklyn Collage. He has been the director of the Spanish department of the Berlitz School of Languages and coordinator of admissions at the University Without Walls at the University of Massachusetts.

Judy Shepard-Kegl, assistant professor of linguistics, has a B.A. in anthropology and an M.A. in linguistics from Brown Untwersity. She is currently a Ph.D. candidate in linguistics at MIT. Her research interests include the linguistics of carriers of special contents of the content of the

Neil Stillings, associate professor of psychology, has a B.A. from Amherst College and a Ph.D. In psychology from Stemford University. Nuch of this research and teaching concerns the psychology of language. He also has a substantial interest in other areas of cognition, such as memory, attention, visual and auditory perception, intelligence, and mental representation.

Jance Tallman, assistant professor of anthropology, received a B.A. from the University of Minnesons and a Ph.D. from the University of Callored Section 2. Secondard field work in Yugoslavia of Callored Section 2. Secondard Field work in Yugoslavia on the University of Callored Section 2. Section

Christopher Witherspoon, associate professor of ph. rophy, is complecting his Ph.D. at the University of California, Berkeley, where he was a banderch froduste Feliov and a teaching associate. Both his theats and a book in progress are in the philosophy of perception. His other tesservia areas include philosophy of perception. His other tesservia areas include philosophy of grant and the philosophy of areas and the philosophy of a philoso

# SCHOOL OF NATURAL SCIENCE

Herbert J. Bernstein, associate professor of physics, received his B.A. from Columbia, his K.S. and Ph.D. from the University of California, San Diego, and did post-doctoral work at the Institute for Advanced Study at Princeron. He has taught at Technion in Halfe, israel, and the Institut wor Theoretische Pysica in Belgium. Ne has consulted for uneroso organizations including the World Bank. AAAS, NST, and the Modoon institute. He was recently Technical Director for Volunteers in Technical Assistance in Washington. His director for Volunteers in Technical Assistance in Washington. His director for Volunteers in Technical Assistance in Washington. His director for Volunteers in Technical Assistance in Washington.

Merie S. Bruno, associate professor of biology, holds a B.A. from Syracuse University and a Ph.D. from Burvard. She has done research in sensory neurophysiology (especially vision) and elementary school science teaching. Recently she has been teaching how to do amergy conservation analysis of homes, and she hoppes that some Remphile Professor of the Ph.D. for the professor of the Ph.D. for t

Lorna 1. Cyppinger, faculty sussections in binlopy and extremels appetails it is spriculator. Bull on a A.B. Trom Beginn Universable and the properties of the spring of the second control of the sec

Raymond P. Coppinger, professor of biology, has worked at the Woods Note Oceanographic Institute, the Smithsonian Astrophysical Observatory in Cabridge, the U.S. Fish and Wildlife Service, and the Beebe Tropical Research Station in the West Indias. No hold a 4-Collage Ph.D. (Ashorst, Smith, Noteas, 1801) No. 1802, Wass.). Behavior, Note Indias, the Note of Smith S

John N. Ponter, professor of biology, previously caught biochosistry at the Boston Univarity School of Nedicine and was a director of the Science Cuprictous Improvement Program at NSF. He holds a Wh.D. in blockedstry from Univariation addition to that smootherems to be added to the theory of the biology, he is increased. The long and field biology, metaur electronics, berough make, and white water canocing.

Namey h. Goddard, associate professor of biology, was previously chairperson of the department of natural science and mathematics at West Virginia Stree College. She obtained her Fn.D. from Ohio State University. Involved in teaching courses on human reproduction, health of the women, and endowed logy, she is also interested in first sweet, and endowed comparative autoryland.

Stanley Coldberg, associate professor of the history of science, tought at Antioch College, was a sentor lecturer at the University of Zmebin, and a post-doctoral Pellow at the Smithsonian Institution. Mits Ph.D. is from Heavard. Mis teaching and research interests include physics, history of science (particularly early 20th century physics), science and public policy, and photography.

policy, and photogramy:

Summ Coldbor, adjunct associate professor of biology and director of the Farm Center, received her A.B. from Bernard Goles Services and the Services of the Farm Center, received her A.B. from Bernard Goles Services and the Services of the Servic

Courtey F. Cordon, associate professor of astronomy and Associate Dean for Advising, holds a Ph.D. from the University of Hichigan. Her work includes stouchers the Royal Greenwich Observatory in England Kitt Peak National Observatory, and Artechnologia Madio Astronomy Observatory. In addition to astronomy, Courtey is interested in caltivity, commonlogy, extraterrentrial communication, codes and ciphers, and animal communication (dolphina and chimps). She is a member of the Five College Astronomy Department.

Kurtiss J. Gordon, associate professor of astronomy, received his 8.5. In physics at Antioch College, and his M. and Ph.D. frost the University of Michigan the Antioch College and State Including the (Including the Including t

Michael Gross, assistant professor of the history of science, received his B.S. in chemistry from Brooklyn College and his Ph.D. in the history of science from Princeton University. His fatcreats include the history of biology, especially physiology and medical theory, evolution, embryology, indolecular history in addition, he teaches courses in the social structure of science, and the roles of scientific theory in political and social questions such as race and intelligence, population control and sexuality.

Kenneth B. Hoffman, associate professor of mathematics, has un N.A. from Harvard, where he also served as a teaching fellow. He tought mathematics at Talladeage College during 195-70. In addition to algebraic number theory and mathematical modeling. Ken's interests include education, American Indians, natural history, and farming.

David C. Kelly, associate professor of mathematics, has taught at New College, Oberlin, and Talladega College. He holds an S.M. from N.I.T. and an A.M. trailed the college Summer of the College Summ

Allan S. Krass, associace professor of physics and science policy anessement, was educated at Cornell and Stanford, where he received hit Ph.D. in theoretical physics. He has taught at Princeron University, the University of California at Santa Barbara, and the University of Louy, as well as the Open University in England. His interests include physics, science and public policy (particularly dealing, with arms control), and the environment, where he has worked on flood control and nuclear energy. He coordinates the Environmental Studies and Public Policy Program at Hampshire. Allan will be away for the entire year.

Nancy Lowry, associate professor of chemistry, holds a Ph.D. from N.L.T. She has worked as a research associate at M.L.T. and Amberst College and has taught at Seath College and the Cooley Dickinson School of Nursing. She has also coordinated a chemical analysis lab as part of the MILI River project in Northampton. Mer interests include stereochemistry and organic molecules, environmental chemistry, science for non-scientists, toxic substances, the bassoon, and nature study.

Rajph H. Lutts, visiting assistant professor of environmental studies and naturalist in the Outdoors Program, received his B.A. in biology from Trinity University and his Ed.D. Trom University and the Ed.D. Trom University and the Ed.D. Trom University and Interested in exploring ways of joining the actences and humantics in our attempt to understand our environment and University and Universi

Anthony Melchionda, adjunct associate professor of health sciences, holds a B.S. from King's College and an H.D. from The George Mashington University. Tony has experience in family practice and orthopedic surgery and is very increased in bloechics and exercise medicine. He is the Director of Health Services at Hampshire College and an adjunct faculty member in the Department of Exercise Science at UMass. where he is engaged in muscle fibre typing research.

Lynn Hiller, professor of biology, has taught at the American University of Beirut, Adelphi University, and at The Evergreen State College. His Ph.D. is from Stanford in fish genetics. His principal interests are in genetics (human and microbial), general microbially and innutrition. He is especially interested in working with small groups of students in laboratory projects and twortdla.

Saundra H. Oyevole, associate professor of microbiology, received her Ph.D. from the University of Massachusetts. Her research involves sembrane development, structure, and function. In addition, she is interested in public health in developing countries, research on the altrobial contribution to emergy production, and cancer. Daundra will be on sabbatical during the Fall term 1860.

Janice C. Raymond, assistant professor of women's studies and medical chicks, received her Ph.D. from Boston College in religion and socies make the fore coming to Hampshire she taught at deston College and the New School for Social Research. States connected with women's health care. Her recent book, The Transsermal Empire, was well reviewed. Jan will be away for the entity year.

John B. Reid, Jr., essociate professor of geology, has pursued his nesserch with lunar surface and earth's interior as the Saithannian Astrophysical Observatory, the Geochronology Laboracory at M.I.T., Renssalear Rolytechnic Institute, and the Los Alamos Scientific Laboracory. He received his Ph.D. from N.I.T. His professional interests center around volcanology as easns of understanding the received his Ph.D. of the earth and the content of the earth and the content of the earth and the content of the subsection of the subsecti

Enth C. Rinard, associate professor of the history of science and master of Prescott House, received her B.A., surma cum laude, from Milvaukee-Bowner College, and her M.A. and Ph.D. from Cornell, where she concentrated in the history of science. She taught at Kirkiand College, where she also held the position of assistant dean of acadents claffairs. Her interests include nineteenth century biology, science and religion, technology and society, and nineteenth century intellectual history.

Paul Slater, adjunct assistant professor of agriculture and manager of the Fara Center, received his 8.5. and Naster of Regional Planning from the University of Massive and the Control of Regional Planning from the University of Massive and the Environment and the Control of the Control of Contro

Michael R. Sutherland, associate professor of statistics, initia an interschool appointment in Natural Science and furial Science. Beaties teathirs a variety of courses, rist-4 to actitudent issues, in: 4 an active consultant as computer salisted, statistical analysis to members of the Five Colleges. His prizary interests are this family, thematics, computers, and the Five Colleges.

Janet D. Van Blerkon, assistant professor of physics, received her B.S. from N.1.7. (winning the Arthur Compton Prize), and her Ph.D. from the University of Colorado. She has taught at the University of Massachusetta, Smith College, and most recently at the Joint Institute for Laboratory Actrophysics Atomic Collision Data Center at the University of Colorado, Smulder. Janet's interests insfude theoretical low energy particle physics, astrophysics, waves, optics, accounties, and holography.

Charlenn D. Van Raulto, assistant professor of ecology, received her B.A. from Skidenze and her Ph.D. from Boston University Narien Program, Narien Bology Lab. Woods Hole. She has tawght at Dalhougie University in Nova Scotia. Her recearch has been in the arrea of fails march and estumrine ecology, nitrogen fixation, and the ecology of riverine wetlands.

Archur M. Westing, professor of ecology and Dean of the School of Natural Science, received his A.B. from Columbia and his M.F. and Ph.D. degrees from Yall. He has been a forester with the U.S. Forest Service, and has anapth at Purduc, the University of Magaschusetre, Middlebury, and Mindham, where he was also chairman of the biology department and head of the science division. He has been a future of the Versont Wild Land Foundation, the Versont Academy of the Verson tendence, the Science for the Verson Canadomy of the Verson the Verson that the Verson the Verson to Academy of the Verson that the Verson the Verson to Academy of the Verson that Verson the Verson that the Verson that Verson that Verson the Verson that Verson the Verson that Verson the Verson that Verson the Verson that Verson that Verson the Verson that Verson the Verson that Verson the Verson that Verson the Verson that Verson that Verson the Verson that Verson that Verson the Verson t

Livyd. C. Williams, assistant professor of chemistry, received his A.B. from Colgare University and his Ph.D. from the University of Wisconsin. He has taught at the University of Wisconsin and worked for Witco Chemical Company, International Paper Geopany, and E. 1. DuPont Company. Licyd's interests include: development of instructional materials and startegies for teaching chemistry; vater and air pollution chemistry; and energy conservation. He also enjoys whitewater kayaking, rock climbing, and nature photography.

Albert 3. Noothell, assistant professor of blology, received his Ph.D. from the University of Moshington. He has tawak the control of the control of Moshington. He has tawak the control of Moshington and has lectured at the University of Mashington. His research interests are centered on the physiological bases of behavior and on the visual system in humans and animals. He also has a strong interest in electronics which finds an outlet in a homebuilt computer and industrial consulting.

Ann M. Woodhull, associate professor, of biology, received her 3.A. (rom Swatchnore and her Ph.D. from the University of Washington Chystology and biophysics). Her Interests the Machine of the Washington Chystology and biological human biology, physiology, neurobiology, and biological facilities of the last few years, ann has been increasingly fascinated by the connections between science and human ownerent, and she has writtent-two articles for Contact Quarterly about the biology and physics of movement.

Five College Astronomy Department Faculty:

Courtney and Kurtiss Gordon (see above).

Thomas Army -'Chairman of Five College Astronomy Department and associate professor of astronomy at the University of Massachusetts.

Tom Dennis -- associate professor of astronomy at Mount Holyoke\_College.

William Dent - professor of astronomy at the University of Massachusetts.

George Greenstein - associate professor of astronomy at Amberst College.

Edward Harrison - professor of astronomy at the University of Massachusetts.

G. Richard Huguenin - chairman of the astronomy program at the University of Massachusetts and professor of astronomy and physics at the University of Massachusetts.

<u>William Irvine</u> - professor of astronomy and physics at the <u>University</u> of Massachusetts.

<u>Kristyna Jaworowska</u> - instructor of astronomy at Smith College.

Nicholas Scoville - sasociate professor of astronomy at the University of Massachusetts.

Waltraut Seitter - professor of astronomy at Smith College.

<u>Bugene Tademary</u> - associate professor of astronomy at the
University of Mausachusetts.

Joseph Taylor - professor of astronomy at the University of Massachusetts.

David Van Blerkom - associate professor of astronomy at the University of Massachusetts.

Richard White - assistant professor of astronomy at Smith

# SCHOOL OF SOCIAL SCIENCE

Richard M. Alpert, associate dean of the faculty and assistant professor of political science, has served on the research staff of the Vrban Institute in Wäshington, D.C. Mis B.A. is from Hobart College and his Ph.D. from Harvard.

Carolle Bengelsdorf, Assistant professor of political science, holds an A.B. from Cornell, studied Russian history at Harvard, and is working on a dectorate in political science from H.I.T. She is interested in political development in Southern Africa and other Third World areas. She has conducted research in Aligeria, Cuba, and Feru, and has been a school teacher in Kenya and Honduras.

Norma BroitLart, assistant professor of geography, has an A.B. from Clark University, an M.A. from Butgers, and a Ph.D. in geography from Clark University. But teaching and research interests include the social geography of work; economic social and political values an determinants of the bulk environment; social and spatial implications of alternative (centimed)

strategies for community development; and problems in providing urban housing, employment and social services.

Mergaret Corullo, assistant professor of sociology, has a B.A. from the University of Pennsylvania, a B. Phil. from Oxford University, and is presently a Ph.D. candidate at Brandisis University. Her particular areas of interest are the sociology of women and the family in America; political sociology; stratification; sociology of work and letsure; and European social thusery.

Louise Farnham, associate professor of psychology, has worked in child guidance and mental hygiene clinics in Hinnesota and California, and has taught psychology at Vale, Stanford, and San Francisco State College. She holds a B.A. and Ph.D. from the University of Minnesota.

Namey Fitch, assistant professor of history, has a B.A. and M.A. from San Diego State University. She is completing her Pb.D. dissertation at the University of California, Los Angeles. Her teaching interests include European Social and Folicial History, 1500-1964 Unit emphasis on Carly Modern European History, the Old Regime and the French Revolution, and Europe in the 19th Century, Momen's History in a Comparative Perspectives, Agrarian and Benographic History; and Quantizative Mistory.

Michael D. Ford, Dean of Student Affairs and assistant professor of pollitical science, earned a B.A. from Knox College and a B.A. in the Michael Student Complete and a B.A. in political science from Porthwestern University where he is completing his dectoral work. He has taught at the University of Mass-cabusetta, From University, and Chicago City College in the areas of politics of East Africa, Sub-Saharan African governments, Black politics, and neo-colonialism and under 'evelopment.

E. Oliver Foulkes, associate professor of law, received a 3.A. from Southwestern College, Hemphis, and a J.D. from Hemphis State University. School of Law. He has been emaged in a variety of legal projects involving civil liberties, welfare recipients, housing legislation, and mental hospitals.

Penins H. Clater, Dean of Faculty, and associate professor of history, has a S.A. from Douglass College and a Ph.D. from Rutgers University where she held the Louis Sevier Fellowship. Her special interests include American intellectual history with emphasis on-radical lafe wing movements in the 'risted' States during the 180°s. Professor Clater will be on leave academic year 1979-80.

Leohard B. Click, professor of anthropology, holds an M.D. from the University of Maryland School-of Medicine and a Ph.D. from the University of Pennsylvania. Forarely-associate professor at the University of Misconstin, we has associate professor at the University of Misconstin, we have a state of the Company of the Maryland Company of the Company

Lloyd Mogan, associate professor of economics, has an M.A. From the University of Chicago and has done graduate work in public affairs at the State University of New York, Albany, He's editor of the Review of Black Economy and Assistant Director for Research and Senior Economists at the Black Economic Research Center. He is awthor of numerous articles and has tought at Ambers College and Harvard University. Professor Hogan will be on leave Spring Term 1980.

<u>Frank Holmquist</u>, assistant professor of political science received his 8.A. from Lawrence University, and his M.A. and Ph.D. from Indiana Butwestity. His interests are in the area of comparative politics, political and administrative development, and American politics.

Kay Johnson, sasistant professor of Asian Stud'tz, has her B.A., M.A. and Ph.D. from the University of Wisconcia. Her teaching and research interests are chinese politics; comparative politics of underdeveloped areas; women and development; international relations including American Greigan policy, Chinese (oreign policy and policy-making processes.

Clorie I. Joseph, professor of education, hes-a B.S. from hiew York University and a Ph.D. from Cornell University. At the University of Massachusetts where she was associate professor of education, she served as co-chairperson of the School's Committee to Combet Racism, and at Cornell the was assistant deen of students, director of the Committee on Special Educational Projects' counseling service, and associate professor in the African Studies and Research Center.

James Koplin, associate professor of psychology, received his B.A., M.A., and Ph.D. degrees from the University of Minnesote, and taught at Vanderbit! University. His special interests are psycholinguistics and cognitive psychology.

John B. Lander, associate professor of political science, holds a B.A. from Cornell University and an N.A. and Ph.D. in political science from New York University. She table the political indiversity before costing to Hampshire. Her research interests include the theoretical foundations of the women's liberation movement. Her teaching interests are in the areas of political and social theory, American politics and women's "studies. On leave 1979-80.

Barbaro Marrison Linden, associate professor of sociology, has a B.A. from Syracuse University and a Ph.U. from Columbia, where she also tensor and served as architectural consultant for problems to sailes housing at the University. Her acadest interest include urban blight and the sociology of education. Professor Linden will be on leave academic year 1979-80.

Lester Mazor, professor of law, has a B.A. and DL. B. from Stanford, served as law clerk to the Honorable Warren F. Burger, and has taught at verticus law schools. His special concerns include the limits of the legal process and the role and status of women in society. Professor Mazor will be on leave Spring Term 1980.

Moureen Mahoney, assistant professor of psychology, received her B.A. from the university of California, Santa Cruz and her Ph.D. from Carnel Indiversity. Her special interests include social and personality development, sociology of the family and history of childhood and the family. Professor Nahoney vill be on leave academic year 1979-80.

Alan Nasser, visiting associate professor of philosopy. or political aconomy, is at Manpahire for a year on a factoring basis from the Evergreen State College. He had a B.A. from St. - Peter's College and a Ph.D. in philosophy from Indiana University.

Laurie Nisonoff, assistant professor of economics, holds an S.B. from N.I.T. and an M. Phil. from Yale, where she is a dectoral candidate. She was a Woodrow Wilson Follow at Yale and is finishing her dissertation with the aid of a Ford Foundation Followship in Women's Studies. Her interests include American economic history, women's studies, labor and public polity issues.

<u>Bonald Foe</u>, assistant professor of psychology, is completing his doctoral requirements of Cornell University. His M.S. Is from Virginia Polytechnic Institute and State Oniversity, and his B.A. from Duke University, His anjor areas of interest are social psychology, environmental psychology, and statistics.

Social psychology, environmental psychology, and satellited Robert\_Bakoff, assistant professor of political science, did his undergraduate work at Oberlin College. His. M.A. and Ph.D. are from the University of Usahington where he was a lecturer before joining the Political Science Department at the University of Illinois, Chicago. Mr. Rakoff's fields of interest include public polity analysis: ovaluation and import; political theory; American mational politics; public housing and mortgage finance policy; and politics of housing and mortgage finance policy.

Hedwig Rose, assistant professor of concetion and coordinator of the Education Studies Program, has a B.A. from Cognell and an M.A. in education from Satth College where she concentrated in comparative education. She is presently a doctoral candidate at the University of Passachusetts. She was a supervisor of practical College's Department of Education and Child Coulomb College's Department of Education and Child Coulomb College and the Workshop or public school systems.

Christine Shea, visiting assistant professor of history of education, will be corpleting her Ph.D. at the University of Illinois, Urbana, in history of education. She holds on NA.T. from the University of Rochester, on H.S. in urban education from SUNY at Cenesco, and on NA. in comparative education from the University of Illinois, Urbana. She has been an elementary school teacher and Peace Corps voluncer in Tunisia. Ber teaching interests include the history of American education and American educational thought; historical study of dennal health; American ilberal social theory and social science; psychiatry, psychology, and therepeutic models of education. Mirian Slater, associate professor of history and Master of Dakia Nouse until 1974, received a Ph.D. from Frinceton University, where she held the first Noodrow Wilson Fellowship designed to allow a woman with children to attend graduate school half-time. Her undergraduate work was completed at Douglass College.

Michael Sutherland holds a joint appointment with the School of Natural Science.

Robert von der Lippe, associate professor of sociology and Acting Dean of the Faculty, was director of the National Institute of Nantal Health Craduate Training Program in the Sociology of Medicine and Mental Health at Brown University. He has also taught at Columbia University and Amberst College His B.A., M.A., and Ph.D. degrees are from Stenford University.

Stanley Warner, associate professor of economics and Master of Greenvich House, holds a B.A. from Albion College, an M.A. from Hirty and T. His research and teaching interests include American economic history, economic development, and industrial organization. He his taught previously at Santa Cruz and Bucknell.

<u>Frederick Weaver</u>, professor of econosics and history, and Dean of the School of Social Science, has a B.A. from the University of California at Berkeley and a Ph.D. from Cornell University rike has done research in Chile as a Foreign Area Fellow and has caught economics at Cornell and the University of Saque Science of Care. However, the Care of the

<u>Barbara Napurason</u>, associate professor of anthropology, received her B.A. from Sarrard College and her Ph. 0. at the University of California at Berkeley. She specializes in the anthropology of law and social organization, and has done field work in Peru and Sweden. She has also worked for the Department of Native Kfairs in Papus, New Culture.

# FIVE COLLEGE COURSE OFFERINGS BY FIVE COLLEGE FACULTY

DONNA B. ARONSON, Assistant Professor of Theatre--Voice/Speech for the Stage (at Mount Holyoke-College under the Pive College Progress)

Theatre 202a. BECINNING VOICE PRODUCTION. A course in training the speaking voice, dealing with problems of breathing, proprise, poetry, and dramatic literature will be converte. Permission of instructor required. Limited enrollment. First semester. Smith College.

HA 122. SECINAING VOICE PRODUCTION. A course in training the speaking voice, dealing with problems of breathing, production of from, resonance, and articulation. Selections of prose, poetry, and dramatic literature will be covered. Permission of instructor required. Limited enrollment. First semester. Rampahire College.

JOHN J. CONMAY, Professor of Canadian History (at the University of Massachupetts/Amherst under the Five College Program)

of Massachusetts/Ambrets under the vive Loliege Programs .

History 2970. CAMADIAN POLITICAL THEORY IN HISTORICAL PERSPECTIVE. The development of Canadian political theory since 1763. Particular emphasis on contrasting the corporate and Burkean views of politics and society which prevail in Canada with the individualist Lockean views that have prevailed in the United States since the American Revolution and before. Focus on four topics: (1) contemporary Canada and its problems, (2) the east-gence of two differing political philosophies and systems: the American and the Canadian, (3) the origins of Quebes expertains and (4) a case crossly in Canadian corporatiat political culture. University of Massachusetts

THOMAS P. KELLY, Assistant Professor of Music (at Saith College under the Five College Program) and Director of Early Music at the Five Colleges

The Five College Barly Music Program, founded in 1979, seeks to provide educational and musical experience for those interested in the music of the Middle Ages, the Renaissance, and the Baroque era. A faculty of distinguished performers and achol-formance of early music. An extensive collection of Medieval, Renaissance, and Baroque instruments is available to students for study and performance; and there are extensive holdings in the music libraties of the five colleges. Students interested (continued)

in early music are encouraged to participate actively in one or more of the performing groups which meet regularly with a coach. Braneables are organized at all levels of ability, from beginner to expert, to accommodate student progress throughout a four-year academic program. Concerts throughout the year by visiting artists and by faculty and actude. groups are presented by information on the Early Music Profits. Program. For further information on the Early Music Profits. Program. Profits Early Music Office, Smith College.

Music 403a. TOPICS IN HISTORICAL PERFORMANCE PRACTICE. Instrumental practice before 1500. Medieval and Renaissance instruments and their music, written and unwritten tradition in performance; stylistic and social aspects of instrumental music in church, court and theater. Performance experience on historical instruments is desirable but not required. Open to graduate students and to undergraduate attudents with permission of instructor. First semester. Smith College.

J. HICHAEL RHODES, Five College Associate Professor of Analytic Geochemistry (at the University of Massachusetts)

Geology 590s. ANALYTICAL COCHEDISTRY. As in-dept review of the application of various analytical techniques to geological probless, sources of example of the section of th

MARGARET SKRINAR, Assistant Professor of Anatomy and Kinesiology in Dance (at Mount Holyoke under the Five College Program):

Dance 206F. SCIENTIFIC FOUNDATIONS OF DANCE. A lecture-laboratory course of selected anatomy, physiology, and kinesiology materials. Explassis is placed on those aspects most relevant to dancers. Attention is paid to the scientific principles contributing to injury prevention, health aninceance, and efficient cracking of descers. No prerequisite. First sensester. Nount Raybek College.

Dance 497. MOTOR LEARNING AND MOVEMENT ANALYSIS FOR DANCE. A locture-laboratory course in selected motor learning principles as related to the learning and teaching of dance akilis: followed by the development of akili analysis abilities. Precoquistie: Scientific Foundations of Dance (AnantomyKinesology for Dance). First Semester. University of Massachusetts.

# 1981 SPRING TERM PRELIMINARY COURSE DESCRIPTIONS

# SCHOOL OF HUMANITIES AND ARTS

DIVISION 1	
SENSE AND SPIRIT HA 108	R. Meagher
FILM WORKSHOP I HA 110	ŢBA
STILL PHOTOGRAPHY WORKSHOP HA 150	TBA
DIVISIONS 1 AND II	
POETRY WRITING WORKSHOP HA 131/231a	A. Salkey
FICTION WRITING WORKSHOP HA 163/263	A. Salkey
HERE AND NOW: AN EXPERIENTIAL AND THEORETICAL INTRODUCTION TO GESTALT THERAPY HA 181/281	C. Gordon L. Gordon
DIVISION II	
FILM WORKSHOP II HA 210	TBA
FILM/PHOTOGRAPHY STUDIES: INDIVIDUAL PROBLEMS IN FILM MAKING, PHOTOGRAPHY, AND RELATED MEDIA HA 220	ТВА
PHOTOGRAPHY WORKSHOP II HA 225	TBA
HANNAH ARENDT HA 239	R. Meagher
HEGEL II HA 252	K. Bradt

HA 108 SENSE AND SPIRIT

River, we know, often dive deeply under or into the earth, out of sight and lost to our ears and touch. And yet we may dig most anywhere and feel the moisture of rivers that flow and overflow beneath our every step. Then, all of a sudden, a river hidden underground, springs from a creat oil the soil to rock and we stand again in that flow where from a creat oil the soil or rock and we stand again in that flow where the stand of the sprituality of sense. If we trace the peths and movements of spirit to their source, we follow them finto the sensual; and if we attend to the leadings of our senses, we are gestured and lifted into the movements of spirit. Spirit and sensual; and if we attend to the leadings of our senses, we are gestured and lifted into the movements of spirit. Spirit and sensual; and are and profises, suited and body are such assured; as path of its own and we shall explore and share such ascents with our own native artistry, the painter, the susician, the dancer in each of us, to serve as our guides.

This course is designed as an introduction to philosophy particularly for those who have a special impolvment or interest in the arts. The class will involve both a sendmar and a workshop, each meeting as a rule once each week. Sentmar readings will include: loads, the Thronomero of the control of the loads of the control of the control of the control of the workshop will engage us in our own experiments with sensory and artistic experience. The exact scope and focus of these experiments will depend largely on the particular talents and interests of the class which forms. The distinction between essinar and workshop corresponds to the concern of this class co be both experiments and reflective, both experimental ind critical.

Enrollment is open. The class will meet twice weekly for ly-hour sessions.

HA 110 FILM WORKSHOP I

TBA

This course is concerned with the film as personal wision; the film as collaborative effort; the meaning of thinking visually and kinesthetically; and film as personal expression, communication, witness, fantasy, truth, dream, responsibility, and self-discovery.

The workshop will be concerned with production and seminar discussions, field problems, and research. Topics will include history and development, theories of film construction, camera, directing, editing, sound, marrative, documentary, experimental films, use and preparation, and Super-8 and Idem production.

The past accenty-five years have seen the motion picture rise to the position of an international Language. It has transcended the bounds of entertainment to provide evolvalanting documentation of the world, its people and events. It has given added scope and incistiveness to every area of human excitivity. Our image and understanding of the world more often are gained through film and photographs then personal experience. The aesthetics and techniques of a medium so broad in implication should be understood by all.

A \$20.00 laboratory fee is charged for this course. The College aupplies equipment, special materials, and general laboratory supplies. The student provides his/her own film.

The class will meet once a week for four hours. Enrollment is limited to 12.

HA 150

STILL PHOTOGRAPHY WORKSHOP

The photograph as art and communication--its production and implications.

Photography has become one of the primary means of visual experience today. The directness and impact of the photography makes an understanding of its techniques indispensable to the artist, teacher, and Student. So varied is the use of photography in all areas of human condeavor that the need of a "visual literacy" becomes of best importance,

The course is designed to develop a personal photographic perception in the student through workshop experiments, discussions of history and contemporary trends in photography, and field problem to encourage awareness of the visual environment.

A \$20,00 laboratory fee is charged for this course. The College will supply chemicals, laboratory supplies, and special materials and equipment. The student will provide his/her own film and

The class will meet once a week for four hours plus lab time to be arranged. Enrollment is limited to 15 students.

HA 131/231a POETRY WRITING WORKSHOP

Andrew Salkey

The workshop will be a forum for the relaxed reading of posms produced by its members. We will pay the closest possible critical attention to the prosody and meaning of class annuaerspts, and that ought to be done informally but without loss of tutorial effect. We will emphasize the evidence of latent attengths in the work of the posts, and attempt sensitivity to many their control of the control of the posts and attempt the control of the posts and attempt to the post of the control of the contr

We will strive to respect the talents of the poets and resist all inducements to make them write like their mento; (that is, either like the external model of their choice or like their instructor or like the outstanding class poet).

Suggested parellel readings will come from the full range of contemporary writing in verse.

The class will meet once a week for 14-hour sessions. Enrollment is limited to 16, and permission of the instructor is required.

HAT163/263 FICTION WRITING WORKSHOP

This workshop will impusate as its guiding principle that all our workshop fiction writing should be done <u>prinarily</u> for the reception and delight of our workshop members are properties. In the principle will be reception and reception and

The workshop will be a forum for the relaxed reading, however extended, of short stories, novels-in-progress, plays, and other expressions of fiction produced by its members.

We will introduce and develop the necessary skills with which our writers will learn to regard, examine, and write fiction as a display of the implication in terms of nartative, characteri-action, intention, and meaning; and those elements will be studied elessly, not so much from approved external models as from the written work of our own class.

We will try to demonstrate that the practice of fiction ought to be manifestly about the creative description of human rela-tionships in society, in spite of our quicksliver flights of, imagination.

We will encourage both on-the-spot oral critical analysis and considered manuscript-reviewing. We will, at all times, allow the writing and lively analytical discussion of all forms of literary composition within the gence of fection, however tangential, however indicates the second of the secon

The class will meet once a week for 13 hours. Enrollment is limited to 16, and permission of the instructor is required.

HA 181/281 HERE AND NOW: AN EXPERIENTIAL AND THEORETICAL INTRODUCTION TO GESTALT THERAPY

Linds and Graham Gordon

In this course, we will explore together the theoretical concepts that underlie the exciting and innovative approaches that have come to be known as Gescalt Therapy. Since it is a contradiction in terms to "Call about" Ocescalt work, we will do this in the framework of an experiential group in which we will live out those concepts that we discuss. There is no one way to do Gescalt work, but rather members of the class will have the opportunity to learn more about themselves and to integrate the conceptual work in a way that will leave them free to use that own creativity in their interactions with others. We expect this class to be a vehicle for both personal and intellectual growth.

We will meet twice a week for two-hour sessions, and the group will be limited to 14 members. Entrance to the class will be by increview with one of the instructors.

FILM WORKSHOP 11

TBA

A workshop to help the student continue to develop his/her use of film toward the development of a personal vision. Specific areas of concern are: (1) the film as a tool for environmental and so-cial change: (2) aspects of the experimental film, its aesthetics, energy, and personal vision; and (3) expanded cinema--new movement in film aesthetics.

The course will involve lectures, field work, seminars, and extensive production opportunity. It is for students who have opteced film, photography, or TV classes in Basic Studies, or their equivalent--or permission of the instructor.

There will be a lab fee of \$20.00. The class will meet once a week for four hours. Enrollment is limited to 12.

FILM/PHOTOGRAPHY STUDIES: INDIVIDUAL PROBLEMS IN FILM MAKING, PHOTOGRAPHY, AND RELATED MEDIA

This course is open'to film and photography concentrators in Division III and others by consent of the instructor.

The class via attempt to integrate the procedural and formal concentration requirements of the College with the creative worl produced by Each student. It will offer forms for maningful criticism, exchange, and exposure to each other. In addition, various specific kinds of group experience will be offered; field trips to museums, galleries, and other environmentat; a guest locture and workshop series; and encounters with student concentrators, teachers, and professionals who are in the other visual arts or related endeavors.

Each student's congract must be written prior to enrollment. Drollment is unlimited to Division III concentrators whose con tracts have been filed. All others must have permission of the instructor.

There will be a lab fee of \$20.00. The class will meet once a week for five hours.

PHOTOGRAPHY WORKSHOP II

A workshop to help students continue to develop their creative potential and extend the scope of their conceptions in dealing with photography as personal confrontation, seatheric impressions, and social swareness.

Through loctures, field work, and seminers, students will attempt to integrate their own humanistic concerns with a heightened to integrate their own humanistic concerns with a heightened photographic experiences and the creation of personal images, the students can share a concern for the possibility of appression and the positive influence photography can have upon the austhotic and social and vortex and vortex and vortex.

This course is for students who have completed photography, film, or TV classes in Basic Studies or their c. resent--or by permission of the instructor.

There will be a lab fee of \$20.00. The class will meet once a week for four hours. Enrollment is limited to 12 students.

Robert Moagher

R. Kenyon Bradt

No ext Mospher

The two central philosophical works of Hannah Arendt are The Human Condition (which she had first wished to entitle The Vita Activa) and The Life of the Mind. The first book, on the active life, considers the demands and the prospects of labor, work, and action, while the latter considers the discipline and the proper objects of thinking, willing, and judging. Topiche the deavor to interpret the demand of the proper deavor to interpret the on "outer" life. In this course we will read and discuss in depth these two most imaginative and insightful works.

The class will meet twice weekly for 14-hour sessions. Enroll-ment is open.

This course is to be the second helf of a year-long study, of tegel's logical system, including his <u>Phanesemology of Spirits</u>, <u>science of logic, and Encyclopedia of the Philosphical Science</u>. The design of the study is to provide an introductory concept to of the full charact of the study is to provide an introductory concept to of the full charact of the spirits of the study is to provide an introductory concept to often the <u>Phanesemology</u> through the <u>Encyclopedia</u>.

The class will meet once a week for three hours. Enrollment is

# SCHOOL OF LANGUAGE AND COMMUNICATION

BOOLE'S ALGEBRAS AND THE LOGIC OF COMPUTERS LC 101

William Marsh

The publication in 18% of George Boole's An Investigation of the Laws of Thought began the first advances in formal logic since Artscrice and the Stoice. We will read it, then look at a little of the modern theory of Boolean elgebras and their use in logic and set theory. This part of the course will culminate in the Stone Representation Theorea. The bulk of the course will using a will be append on the use of Boolean elgebras in the design of computer circuitry. We will nor be a little with wide course of the course will be a spend to the course of the co

While most of the work in this seminar will be in mathematics, each student will write a short term paper on some topic in the history of the material door in class. The class will meet three times a week, twice for one hour and once for two. Preference will be given to first-year students. Enrollment limited to 16, by lottery if necessary.

DIVISION I		
BOOLE'S ALGEBRAS AND THE LOGIC OF COMPUTERS LC 101	W. Marsh	
PLAY LC 103	M. Gearhart	ĺ
SEMINAR IN PHILOSOPHY+ LC 107	J. Carfield	
SEMINAR IN MASS COMMUNICATIONS+ LC 110	TBA	
SEMINAR IN LINGUISTICS+ LC 112	TBA	l
PROBLEM SOLVING LC 143	<b>D.</b> Кмерр	ĺ
COMPUTER PROGRAMMING LC 193	A. Hanson	ļ
DIVISION II		١
A HISTORY OF THE PRESS IN THE UNITED STATES LC 201 (SS 201)	D. Kerr	l
SOCIAL DEVELOPMENT LC .204	M. Gearhart	ļ
WORKSHOP: COMPUTER APPLICATIONS IN VIDEO PRODUCTION LC 205	A. Hanson R. Huller	١
SEMINAR IN PHILOSOPHY+ 1 LC 209	J. Garfield	
SEMINAR IN MASS CONMUNICATIONS+ LC 212	TBA	
SEMINAR IN LINGUISTICS+ LC 214	TBA	
COGNITIVE DEVELOPMENT: THE EVOLUTION OF MIND LC 229	D. Knapp	١
LANGUAGE, CULTURE, AND POLITICS LC 231 (SS 231)	M. Feinstein L. Glick	
CONVERSATION ANALYSIS, PART 11 LC 247	J. Tellman J. Heister	
EXPERIMENTAL DESIGN AND DATA ANALYSIS LC 272 (NS 272, <u>SS 272</u> )	D. Poe N. Stillings L. Williams	1
FOREICH LANGUACES		
PRENCH 11 FL 103	E. Leete	
SPANISH II FL 104	A. Nieto	
FRENCH III FL 105	E. Leete	
SPANISH III FL 106	A. Nieto	-
+ Course description will be published in Cou	the onide anhitemen	-

LC 103

Maryl Gearhart

What is play? What is its function in animal and human develop-ment? This course explores play from the perspectives of ethol-goy (comparative), psychonolysis, and cognitive development, with a considerable emphasis on the last. Course for the clude observations, readings, and seven-pure, tincluding critiques of existing theory and research, and proposals for further investigation.

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 20; first come, first served.

PROBLEM SOLVING

Efficient thinking can be learned--that is the premise of this course. It is a course, not about a body of factual material, but about methods--how to set goals, how to gather information, now to organize and master new Fields of study, and how to creason through difficult problems. We will focus on a number of subskills knowled in efficient thinking, to include: building concentration power, recognizing fallacies (informal logic) remory, introspection, overcooing emotional blocks, and getting new ideas.

New ideas.

Students are asked to come to the first class with a statement of what they consider to be their greatest difficulties in thinking. Each student, in consultation with the professor, will set an individual goal for improvement, and choose from the available sets of exercises for practikenosis tests of stills. To help in setting the stills, the colly requirement of the course is to work toward one's goal, doing the appropriate exercises and adding any of one's own design which seem helpful, and at the end of the term to write an evaluation of one's progress. In addition, there will be class lectures focusing on general principles, optional reading assignments involving autobiographical accounts by successful articles Act of Creation. The Act of theory. Not considered the Eastern Counterfeit of Argument, and incultigence to the Taught.

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 20, to be determined by lottery at the first class meeting.

Allen Hanson

Computing has grown from virtually nothing just thirty short years ago to a position of one of the world's largest industries, and this rapid expansion shows few signs of slowing down. The (continued)

implication is that there can be few people, at least in the in-dustrial countries, who will never have any contact with comput-ers. It seems clear that everyons should have a basic under standing of what computers are, how they are programmed and how they are used, if for no other reason than sail-protection.

they are used, it for no other reason than self-protection. The focus of this course is on developing this besic understanding through the programming language PASCAL. We will examine the quastion of what constitutes a progress and how programs written, since any use of the computer greates and the programs. The constitutes a program and the program is the computer program. The constitutes are constituted as powerful intellection of computer programming, if you have an intellectual curiosity about computers, or if you'd like to see whether your clastrust of computers in justified, then this course is for you. No previous programming experience is required, nor is any mathematical maturity assumed.

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 30, with lottery if necessary.

A HISTORY OF THE PRESS IN THE UNITED STATES LC 201 SS 201 David Kerr

In this course we will explore the role of the United States press in communicating events, values, and patterns of behavior to the American public. This will not be a strict "Chronology" course. Rather, through topic development, we will try to achieve some synthesis between the history of the press social institution and the second pressure of the press of the press of the pressure of the press in a developing America.

the rois of the press in a developing America.

Some concerns have characterized the American press since its inception. We propose to study a few of them in accordance with the topic orientation to the course. We will trace such subjects as press freedom, and the law, either and professionalism, the press and labor, foreign correspondents and war resporting, sensationalism, the business of news, muckraking and the press, and the Presidents. We will also apend some time looking at the continuing struggle of the alternative press movement in the United States.

There will be two research papers required in the course. The first will be an analytic paper againsting examples of 19th century newspapers. For the second each student will be expected to design and execute a research project dealing with some expect of the history of the press. To these took we would be press. To these took we would be the dealing the history of the press. To these took we would be the dealing the historical authenticity of press seports.

The study of history is in large measure an effort to provide on understanding of contemporary problems. The need for such an understanding is the underlying reason for this course. The course will neet cutice a week for 1 1/2 hours each session. Exrollment is open.

SOCIAL DEVELOPMENT × Maryl Gearhart

This course is a survey of current research in social develop-ment. Topics include the development of: sex role identities, concepts of authority and justice (corality), peer relations (friendships, popularity) social interactions (with peers, with adults). Corres work will include child observations, and research projects, extensive reading, and several papers, in-cluding proposals for further research.

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 20.

WORKSHOP: COMPUTER APPLICATIONS IN VIDEO PRODUCTION LC 205

Allen Hanson and Richard Muller

By the spring of 1981, the microcomputer laboratory at Hamp-mire should have capabilities for generating and manipulating video images in interesting ways. We yould like to form a working group of people with interests in either computer science or video production-hopefully, both-co begin to ex-plore projects which merge both technologies in creative ways.

Projects which merge both technologies in creative ways.

People with little background working with computers might wish
to prepare by taking LC 1937. Computer Programming, or its equivent of the Fall Term. People without wideo exparience can
ent the series of technical minicourses offered in the Library
during the fall. Students interested in the course should contact either of us during the early, fall to suggest particular,
interests and projects; we will try to keep such suggestions in
mind, slong with the limitations of our equipment, as we plan
the course.

Enrollment is open, permission of instructor

COCHITIVE DEVELOPMENT: THE EVOLUTION OF MIND Deborah Knapp

This is a course about how children think. We will not only become familiar with the singe theory of Piaget, but will also read recent research articles and materials on detactional programs. We will stress the implications of cognitive development for education, for understanding adult cognition, and for studying anthropology and social and personality development. Among the topics to be covered are:

Among the topics to be covered are:

Infant perception. To what extent is the world of the infant a
"booming, burning conduction" and to what extent does it have
structure? When the burning conduction is a burning and a structure and a structure. When the structure are a structured when a structure and the structure are a structured and a structure and the str

Stage theories and critical periods. How can stage theories account for learning and progress from one stage to another? Is it true that children can learn certain things only at certain ages?

tain ages?

Zhuational implications. What methods are currently used to
teach reading? To teach arithmetic? What can theoretical research tell us about the effectiveness of these methods?

Motivation, moral development, and the roots of social intersection in cognitive abilities. When are children first able to
take account of sunther's point of view? When can they cooperate in group activities? Do children in other cultures
pass through the same Piagetian stages?

There will be several short papers, including one on an inter-view with a child. Division I students may take this course with the instructor's paramission. The class will meet voice a week for 1 1/2 hours each time. Enrollment is limited to 20, by lottery at the first class esseting.

LANGUAGE, CULTURE, AND POLITICS LC 231 SS 231

Mark Feinstein and Leonard Glick

Diversity in language and culture is a pivotal factor in the political life of many contemporary mations. People who differ in language, values, and historical identity must come to terms with one amother, as interacting parts of a single political whole. In some cases they cooperate; in many more, they engage in serious conflict over national goals and priorities. We will approach this question from the interrelated perspectives of anthropology and sociolinguistics. Basically we will discuss three major topics, each illustrated with case studies:

The politics of diversity in post-colonial nations (Malaysis, India, Nigeria)

. Marxism and the national question (Soviet Union and China)

Language and social inequality (Canada, Hexico, United States, the Caribbean, Sri Lanks)

We will pay special attention to strategies and conflicts re-lating to choice of mational language; language and social status; language planning; and the impact of political change on language change.

The class will meet twice a week for 1 1/2-hour meetings. Enrollment is open.

CONVERSATION ANALYSIS. PART II

Janet Taliman and Joel Meister\*

"Janet Tailman and Joel Meister"

This course will be an extension of the beginning courses in conversation analysis. All who participate will have had previous experience taping and analyting conversations, no within the conversation of the property of the conversation of the conversation of the conversation of the conversation of everyday speech. We will study writings about thought and language, about patterns of social interaction, and about the relationship of ideology and political persuasion to appear. We will study writings about thought and language, about patterns and an examine para and languative perspectives wather than anthropological. We will look carefully at topic development and function, at the difference between dyadic groups and though and at the influence of gender on appear and thought and the conversation and at the influence of gender on appear and thought and the conversation of the conversation and visit and reducial writings of that theory. We say use transcripts for illustration purposes, but the asjority of our work will be in reading and discussing theory. A persequisate for the course will be previous experience in doing conversation analysis, either through course work or through independent study before Spring Terms.

Enrollment limited to 20, with permission of instructors. Meeting times to be announced.

\*Mr. Meister is an Assistant Professor of Sociology and Anthropology at Amherst College.

FOREIGN LANGUAGES FL 103

Elisabeth Leete

This course is designed for students who have completed an elementary French course (including FL 101) or its equivalent. Class time will focus on conversation, using current events, literary works, magazines, newspaper articles, and files as points of departure. Language structure and usage will also be dealt with directly in class, keyed to extet and other instructional material. Active class participation is required.

The class will meet twice a week for 1 1/2 hours each session. Earoliment is limited to 20, by interview with the instructor at first class meeting.

Angel Nieto

The second term of Spanish will continue to stress listening and spasking skills, with increased grammatical content, including all the tenses and modes. In the second half of the term we will begin readings from prose and poetry, with discussion and written exercises in Spanish. Students, who are mare if this level is appropriate should compute with the instructor at the first meeting of the class.

The class will meet twice a week for  $1\ 1/2$  hours each session. Enrollment is limited to 20, by interview with the instructor, at first class meeting.

PRENCH III

Elisabeth Leete

This course is sized at students with at least one full year, of college-level instruction in French, or its equivalent. Students will concentrate on reading and writing skills in the language, focusing on selected topics in linguistic structure, language, society questions, issues in language and literature,

or other areas of interest to the class. Students will be ex-pected to participate in class discussions and write one short paper a week.

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 15, by perdission of the instructor.

SPANISH 111

Angel Nieto

This course is aimed at students with at least one full year of college-level instruction in Spanish, or its equivalent. Students will concentrate on-reading and writing skills in the larguage. Incusing on selected topics in linguistic structure, larguage relatively questions, issues in language and literature, or the state of t

The class will meet twice a week for 1 1/2 hours each session. Enrollment is limited to 15, by permission of the instructor.

# SCHOOL OF NATURAL SCIENCE

DIVISION I:	
7-7-1	K. Gordon
BLACK HOLES AND THE UNIVERSE NS 103	C. Gordon, K. Gordon
THE SCIENCE AND ART OF HOLOGRAPHY NS 104	J. Van Blerkom
THE CLIMATE OF THE CONNECTICUT RIVER VALLEY NS 116	J. Reid, J. Foster
NEUROBIOLOGY NS 132	Al Woodhull
BIOPOLITICS NS 138	M. Gross
USABLE MATHEMATICS NS 139	K. Hoffman
THE BIOLOGY OF WOMEN NS 142	N. Coddard
TOPICS IN CANCER RESEARCH NS 1.75	S. Oyevole
QUANTUM MECHANICS FOR THE MYRIAD NS 183	H. Bernstein
THE ECOGEOLOGY OF CENTRAL NEW ENGLAND NS 193	J. Reid, R. Coppinger
FAST OR FEAST: LEAN OR FAT NS 196	M. Bruno
DIVISION II:	.` 1
COSHOLOGY ASTPC 20	To be announced
INTRODUCTION TO ASTRONOMY AND ASTROPHYSICS II ASTFC 22	To be announced
OBSERVATIONAL RADIO ASTRONOMY ASTPC 38	To be announced
ASTROPHYSICS IIRELATIVISTIC ASTROPHYSICS ASTFC 44	To be announced
ECOLOGY NS 204	C. Van Raelte A. Westing
ORGANIC CHEMISTRY NS 212	N. Lowry
CURRENT ISSUES IN CONTRACEPTIVE TECHNOLOGY NS 218	N. Goddard
INS 218 ENZYMES: LABORATORY EXPERIENCE IN BASIC BIOCHEMISTRY NS 227	J. Foster
DIVISION II BIOLOGY SEMINAR NS 230	Ann Woodhull
ENERGY TECHNOLOGY SEMINAR NS 235	L. Williams
THE NATURE WRITERS INS 254 (OP 254)	R. Lutts, K. Hoffman
MATH FOR SCIENTISTS AND SOCIAL SCIENTISTS NS 261 (SS 265)	M. Sutherland
LINEAR ANALYSIS AND DIFFERENTIAL EQUATIONS NS 267	K. Hoffman
THE NATURAL HISTORY GATHERING NS 271 (IN 325)	K. Hoffman, R. Lutts
EXPERIMENTAL DESIGN AND DATA ANALYSIS NS 272 (SS 272, LC 272)	D. Poe, L. Williams, N. Stillings
BOOK SEMINAR IN PHYSICS NS 281	J. Van Blerkom
THE ENTERPRISE OF SCIENCE: CASE STUDIES IN THE HISTORICAL DEVELOPMENT AND THE SOCIAL AND FRIELD. RELITIONSHIPS OF THE INSTITUTION OF SCIENCE TO OTHER INSTITUTIONS IN WESTERN CULTURE NS 287	S. Goldberg, M. Gross R. Lutts, R. Rinerd
<b>*</b>	

ENERGY INTEREST CROUB

A growing number of faculty, students, and administrators at Hampshire College are becoming involved in projects relating to the world's energy crisis and to Hampshire's rapidly increasing energy costs. The Energy interest Croup will provide a forum for those people. The following description is actually a proposal of some of the options open to us. If you are increased in any of them, or if you want to add some, contact me. The revised catalogue that comes out in the Fall will contain more details. The sky is the limit:

details. The sky is the limit:

1. Familiar energy use at Namphire College and investigate ways to cut that use. We can look into funding sources for conservation improvements, for appropriate technology changes, or for public education. We ought to be able to write one or more proposals if we find or invent some good noney sources; the may also identify low cost/no cost improvements and develop it was about how to implement them.

Design at the implement them to be a superior of the provider of solar or the provider of solar so

Scheduling: Right now then scheduling for this interest group is not defined. Not everyone will participate in everything, so several things may happen at once or some may not happen a all. Some activities may go on for the Whole semester, other will last only a week or a

This is open to students in Division I, II and III

Enrollment limit: none, upper Division students will be uxpected to take more responsibility for organizing certain parts of the subgroups than will Division I scudents will be used to the subgroups than will Division I scudents for this subgroups that will be used to the part to teach something above entropy. This Spring and would like to include their projects in this incerest group should peak to be.)

DIVISION L:

ASTFC 34 HISTORY OF ASTRONOMY

Kurrias Gordon

Autrenow and come logy are traced from prehistoric relies through the beginnings of Egyptian and Babylonian astronomy to dual culmination in Babylon and Greece in the last precentiative and the second of the achievements of antiquity on Arabic astronomy and the tention of the Achievements of antiquity on Arabic astronomy and the tention to the behavior of modern science in the 17th century. The listory of gravitational astronomy and astrophysics in the 18th and 19th centuries leads to our present understanding of the universe. Emphasis is placed on ideas and the relation of astronomy to other cultural trends. Reading is largely from original powers and fermilistions.

Class will meet for 1-1/2 hours twice a week.

NS 103

Courtney and Kurtiss Gordon

Questions about the origin and structure of the universe have purzled humanity for ages. Within the universe, nature performs experiments under extreme conditions which we can enth-but which we can earth-but which we can be earth of the sale of the content of the sale of the can earth-but which we can easily the can earth-but which we can easily the can easily the equations—which is required in a willingness to explore and to think rigorously.

Expected student input: short paper during first 6 weeks, major paper or other project during second half of term, report to class on the project during final two weeks.

Class meetings: Two 1-1/2 hour meetings per week for first 6 and last 2 weeks of the term, with intervening time to be spent on projects.

THE SCIENCE AND ART OF HOLOGRAPHY . NS 104

Janet Van Blerkom

The ability of holograms to create an extremely realistic three discensional illusion has prompted both artists and accentists to learn acre about their production and use. We will study the physics involved in holography including topica on light waves, lasers, was diffraction, zone plates and geometrical optics. The course will also include sessions in the lab where the class will learn how to set up the necessary optical equipment for the production of holograms.

Class will meet twice a week for 1-1/2 hours. "

THE CLIMATE OF THE CONNECTICUT RIVER VALLEY

John Reid and John Foster

Now England is a battleground for the weather, where cold air from the Arctic, warm moist air from the Guif of Nextco. and chilly raw air from the Alantic all collide. In addition the hills along the valley produce accessible inversions and other local phenomena peculiar to the ceglon. The unflue provides of water, and the way it interacts with the ground and with the air, have a lot to do with the local climate.

Hany weather phenomena are reproduced on a small scale in various parts of the walley, so that by poking around in kertleholes, hillops, she thered spots, ponds and open fields with simple tools like a thereometer it is possible to study (continued)

"micro-climates", whose behavior can then be used to understand larger weather systems. This course will be a combination of field and laboratory study of the details of the local climate. We can measure temperature inversions on a windless night, photograph ice crystals on a frosty windowpane, look for frost heaves on a back road, make micro-climates of our own in the lab, and watch a thunderstorm sweep across the valley. Opportunities for student projects abound.

Class will meet for 1-1/2 hours twice a yeck plus an afternoon lab.

NEUROBIOLOGY

Albert S. Woodhull

We will study the nervous system by reading reports of scientific research and by attempting some of the techniques ourselves in the laboratory. The class will meet for hours each week with the time of the read of the class will see to bourselves and week with the time of the class should expect to specific additional time on laboratory projects. Several short written reports based on library work and a longer report on a project will be required.

The instructor is especially interested in vision and prefers to do experimental work on animals with simple nervous systems. These factors will influence the choice of laboratory and reading assignments.

Forollment limit is 12, first come first served.

BLOPOLITICS

Michael Gross

Participants in this course will become critics, editors, and researchers contributing to a book with the same title. Its subject is the application of various biological concepts and theories to social theory and public policy, in relation to such topics as population and food supply, race and intelligence, sociologically, sex differences and homosexuality, hoperactivity. In each of these areas, scientific results have been applied to, or alleged to been only a social and political significant social soci

The course vill run for a full year; the topics covered each semester will be announced at the beginning of the semester. Students enrolled during the Fall steers any after discussive with the instructor, wish so continue. Students may enroll in the Spring vithout having taken the lirst half of the course, the provious semester.

the previous semester.

As to format, I will discribute, periodically, drafts of portions of the monastript. Since the intended audicince is provided to the intended audicince is a constant of the monastript. Since the intended audicince is the intended audicince is used to the intended audicince in the intended audicince is used to the intended audicince in the intended audicinc

Most of the readings will be library materials or handouts, but 1 recommend strongly that you purchase and read Peter Elbow's <u>Writing Without Teachers</u>.

Writton work will to some extent depend on how much you choose to undertake, but expect to produce some thirty pages during the semanter. Two maries on will be based upon participation in various appeared the course: involvement in critiquing sessions, following through on tasks you agree to undertake, and development of your own research and writing skills.

Class will meet for 1-1/2 hours twice a week.

USABLE MATHEMATICS

Remeth Hoffman

In this course we will work on developing the student's proficiency in and fondiness for mathematics by working the student's proficiency in and fondiness for mathematics by working the student of the

The heart of the course will be the weekly problem sets. Students will be encouraged to work on the problems in groups of two or three, and there will be many support mechanisms for helping students through trouble sports regular wookly problem sessions, options on some of the basics. Bivision li or ill students avail-able to help individuals.

Class will meet three times a week for one hour each.

THE RIGIOGY OF WOMEN

Nancy Godderd

Daily pressures by our society encourage women to be consumers of services and products claimed to make them feel healthier. look and rely young longer. A better understanding of one's parts, be an entirely and the product of the p

Students will be expected to read from text materials and primary research reports, to come to class prepared to discuss these readings, and to complete a project on a question related to the course content. Evaluations will be based upon the quantity and quality of these activities.

Class will meet for 1-1/2 hours twice a week.

NS 175 TOPICS IN CANCER RESEARCH

Volumes of publications on cancer-related research give us an opportunity to examine the approaches that are being used to tackle the problem of cancer, the number two killer in the United States. We will discuss the epidemiology of cancer and mechanisms of carcinogenesis, as we'll as some virul cellular biology. Some control of the c

For evaluation, in addition to doing the assigned reading, students will be required to write a research paper and make an oral presentation before the class based on published research articles.

Class will meet twice a week for 1-1/2 hours each.

QUANTUM MECHANICS FOR THE MYRIAD

Herbert Bernstein

This course will investigate the structure of a powerful intellectual influence of our times: theoretical physics. Busing two-state systems including electron spin and photon polarization, we devolop the actual quantum theory in its matrix sechamics form. This theory underlies our particular structure of the processes; it has important philosophical connecuences as a processes; it has important philosophical connecuences.

The course has three themes: quantitative approximations to interesting physical phenomena; formal use of mathematica to describe observations; the philosophical and cultural significance of interpretations of physical theory. Accordingly in the ideal composition of the class significance of interpretations of the class of the composition of the class of the control of the class of the clas

Class will meet for 1-1/2 hours three times a week.

THE ECOGEOLOGY OF CENTRAL NEW ENGLAND

John Reid and Raymond Coppinger

This course is designed to investigate the relationship between the surficial geology of the Connecticut Valley area and its ecology. Specifically, we will study the nature of the ground created by continental glacters, and by rivers and lakes. We will then examine the controls placed on the distribution of plants-trees in particular-by the type of land they grow in A central these through the course will be the offected on new geologic force-human nayiculoral activity—on the face of New England over the last 700 years.

Class will meet twice a week for one 1-1/2 hour lecture/discussion and one afternoon field trip.

fast or FEAST: lean or FAT

Herle Brunc

The students in this seminar will learn to read and evaluate some of the research done on how the body handles excess calories and on how it survives when it geat too few calories. For the first six weeks we will read research papers, learn some background material about digestion and metabolism, analyze our own dictary intakes, and measure our metabolic rates.

During the last six weeks we will meet less formally; students will work on individual or group projects. At the end of this period, students will report the results of their work to the rest of the class.

Class meets for 1-1/2 hours three times each week.

DIVISION 11:

COSHOLOGY

To be announced

Cosmological models and the relationship between models and observable parameters. Topics in current astronomy which bear upon cosmological problems, including background elsectromagnetic radiation, nucleosynthesis, dating methods, decerminations of the mean density of the universe and the Habble constant, and concerning the foundations of cosmology and its future as a science. Prerequisites: one semester of calculus and one physical science course.

ASTFC 22 INTRODUCTION TO ASTRONOHY AND ASTROPHYSICS 11

Vertable and exploding stars, pulsars, x-ray and radio astronowy, the interacellar medium, selactic structure, external galaxies, quasars, and cosmology. Requisites introductory calculus and physics. Students who have a taken ASTFC J, will need to de actor reads and about consult the instructor of the stury of the community of the course.

ASTFC 38 OBSERVATIONAL RADIO ASTRONOMY

To be announced

An introduction to methods of astronomical radio observation and data reduction. Specific techniques of radio astronomy will be discussed and analyzed. Laboratory experiments and field observations will be parformed by students during the semester. Prerequisite: physics through electromagnetism.

ASTROPHYSICS II -- RELATIVISTIC ASTROPHYSICS

Continuation of ASTE 43. Stellar implosions and supernovae, degenerate matter in highly evolved stars, neutrino astro-physics, endazion of redairon by accelerated charges in supernova remants and pulsar magnetospheres, pulsar electrodymanics, neutron star structures hydrodymatics of differential rotation in stars, black holes, and generated radiation. Requisite: ASTE 43 or persension of instructor.

## PHYSICS AT HAMPSHIRE

The study of "read physics" at knapphire will be structured around an introductory two-term anguence. Basic Physics (with a course of the study of t

ECOLOGY

Charlene Van Raulte and Arthur Westing

A study of the relationship of plants and animals with their living and non-living environment, with major emphasis on cemperate-zone aquatic and terrestrial ecosystees. The curriculus includes succession, nuttent cycling, population interactions, bio-geography, soils, microbial ecology, and evolution. The laboratory work consists of field trips as well a indoor and outdoor exercises, meant primarily to acquaint the student with some of the concepts, techniques, and tools of ecological research.

Students are expected to attend class (both lecture and lab) regularly and to participate fully in the discussions and serviciass. Rendings will be largely from a basic textheology (Odum's "Fundaments of Ecology"), but these will be supplemented by others from the scientific literature. Two reports will be required, one based on laboratory work.

Division II level; prerequisite: one semester each of biology and chemistry; no enrollment limit; grades available for Five College students.

The class will meet for two 1-k/2 hour lectures and one four hour lab per week.

ORGANIC CHEMISTRY (SPRING) NS 212

This course is a continuation of the first semester; emphasi is on the functional groups and spectroscopic identification of organic compounds.

Class will meet for  $1\!\!-\!\!1/2$  hours three times a week, plus one two hour lab per week.

CURRENT ISSUES IN CONTRACEPTIVE TECHNOLOGY

Nancy L. Goddard

This grouph will meet weekly to emplore current research on contraceptive technology. Students are emported to have a basic reproductive biology and the ability to read and research scientific literature. Emphasis will be placed on discussion of the most recent scinnological developments. Evaluation will be based upon extent and quality of input into these discussions.

Limited to 15 Division II students. Interview with instructor regulized.

Class will meet once a week for two hours.

NS 227 . ENZYMES: LABORATORY EXPERIENCE IN BASIC BIOCHEMISTRY

John Foster

John Foster

Almost all chemical changes in living cells involve the action of enzymes. What is an enzyme? How does it function? What does one look like and how do you measure it? This course will take a look at various aspects of enzymes and enzymology. It will be divided into two distinct units?

Paymes as catalysts: An enzyme reveals testle to the nosy point in any enzyme study enzyme study enzyme the starting point in any enzyme study is and the nature of enzyme catalysts on echniques of enzyme to any enzyme the study as and the nature of enzyme catalysts with the study of enzyme the enzyme title of any enzyme (tex kinetics, binding constants, response to environmental factors, etc.) without actually seeing the enzyme fitted. An opportunity to purify your favorite enzyme from some suitable source, so that with a little luck you can actually see what it looks like Simple the proteins, purifying one mans getting. In one protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein themistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans getting the protein chemistry and into methods of semans and the protein chemistry and into methods of semans and the protein chemistry and into methods

Both units will emphasize careful and quantitative laboratory work, as we will use your own data to develop the theoretical basis of enzyme beavor. Getting good data will require a substantial constituent of time. The weekly laboratory period will begin after lunch and continue as far into the evening as necessary. The class will work in groups so that unavoidable time conflicts can be accommodated by sharing the work to be done.

While the primary emphasis will be on the laboratory work there will also be a weekly 90-minute sessions to discuss blochemical principles to be derived from the laboratory results and, as the semmeter progresses, to discuss papers/from the control that the semmeter progresses, to discuss papers/from to some literature which apply enzymological profile to a some interesting biological problems. Persentiation: None mandatory, but some background in chemistry will make life easier.

Division I students must secure the permission of the instructor.

DIVISION II BIOLOGY SEMINAR

The first purpose of this seminar is to read and discuss recent papers in many areas of biology: zoology, biochemistry, botany, agriculture, human physiology, ecology, and so forth. Each week we all vill read one such research paper. A panel of students will be responsible for the discussion of the paper, including ferreting out background information and presenting it clearly. Sometimes we will invite other faculty or students (continued)

who are expert in an area to aid the discussion of a particular paper.

A second aim of the seminar is to provide a place for Division Il students to discuss their own work. Part of each meeting will be devoted to discussion of Division II work and Division II planning. We will try to find manus whereby students can collaborate on cheft commentations.

Class will meet once a week for 2-1/2 hours.

ENERGY TECHNOLOGY SEMINAR

This seminar will focus on the technical aspects of generation, collection, and storage for both conventional and alternative sources of energy. We will also explore the physics of heat transfer and energy conversion. Our goals will be to learn about various energy technologies and develop as energy rechnology bibliography. Students will be expected to take major responsibility for literature searches on each technology and will be expected to write critical and the expected comparishs, and can be and the control of the critical part will prepare a class production or conversion.

Students enrolled in this seminar should have had both the Calculus and Basic Physics. Limit of 15 students by permission of instructor.

Class will meet once a week for two hours.

NS 254 (OP 254)

THE NATURE WRITERS

Ralph Lutts and Kenneth Hoffman

A course in nature literature. For details refer to the Outdoors Program course OF 256.

MATH FOR SCIENTISTS AND SOCIAL SCIENTISTS NS 261 (SS 265)

Michael Sutherland

Traditionally, the mathematical preparation for scientists and quantitatively-sinded social scientists begins with a year or more of the calculus. Easy access to high speed computers has increased the usefulness of other tools. For almost all scientists and social scientists with the Port almost all of physiciats and engineers) he more appropriate than calculus. Topics will include:

Functions and graphs
Computer simulation, calculation, and plotting
Elementary linear sigebra'(vectors and matrices)
Linear Models (including input-output analysis, linear
regression, and analysis of variance)
Concepts of the calculus (the language and its interpretations)
Difference methods (applied to approximating solutions to
differential educations)
Elementary probability and statistics (including the use of
interactive statistics) programs to snow, modify and enalyze
date)

No previous programming experience is required; the computer will be used throughout the course.

Classes will neet three times a week for 1 hour cach session; additional evening problem seasions will be acheduled using non-campus teaching assistants. Regular substantial problem sets will be assigned and will constitute the heart of the course work.

LINEAR ANALYSIS AND DIFFERENTIAL EQUATIONS NS 267

Kenneth Hoffman

Real vector spaces will be studied algebraically and geometrically and applied to the solution of differential equations. The second point of the solution of differential equations of the second point of a course a vorting knowledge of natrices, linear transformations, dimension, determinants, power series, and the basic cechiques for setting up and solving ordinary linear differential equations. The basic notion of linearity will be extended to infinite matter than the setting of the setting of

Freshman calculus and the willingness to do lots of problems are prerequisites; mathematical maturity is a byproduct. The text will be An introduction to Linear Analysis by Kreider, Kuller, Ostberg and Perkins.

Class will meet twice weekly for 1-1/2 hours, and an additional problem session will be scheduled

THE NATURAL HISTORY GATHERING NS 271 (1N 325)

Kenneth Hoffman and Ralph Lutts

This course is designed to bring together those who are actively involved in field biology or ecology, natural history writing, outdoor education, teaching nature studies, natural resource canagement, fetc., to share their work, ideas, and experiences.

We will neet one evening every other week for dinner followe by a discussion. Responsibility for providing the focus for each meeting will rotate among the members of the group. We will also go on two or three weekend trips together.

Participation in this course could fulfill the integrative requirement for Division III students.

Enrollment is by permission of the instructor.

BOOK SEMINAR IN PHYSICS

This sominar is intended for students concentrating in physica and for those in other areas who wish to do advanced work in physics. The class will read, discuss, and solve problems for an upper level undergraduate physics text in one of the following subjects: mechanics, electrodynamics, thermal physics, quantum theory, optics, acoustics or fluid mechanics. (continued)

The choice of the book and subject matter will be made by the students themselves. Students who have not taken one year of Basic Physics or the equivalent should not take this course.

Class will meet twice a week for two hours or so. Admission by interview with instructor.

THE ENTERPRISE OF SCIENCE: CASE STUDIES IN THE HISTORICAL DEVELOPMENT AND THE SOCIAL AND ETHICAL RELATIONSHIPS OF THE INSTITUTION OF SCIENCE TO OTHER INSTITUTIONS IN VESTERN CULTURE NS 287

Coldberg, Gross, Lutts, and Rinard

In recent years the scientific community has been held responsible for the creation of a number of crises within our culture. One example is the development of insecticides, immicides, and the vibedge of immone power and the subsequent containation of the vorld's land and water resources. Hany other examples could be cited in such diverse fields as agriculture, andeline, geology, genetics, physics, chemistry, and a host of others.

Thirty years ago, the picture was much different. At the end of world war II, actince was seen as providing the solutions to problems which had never been solvable: it was through the application of science that the world would rid itself of all the cares of survival.

In this full year course, we seek to understand the niche that science occupies within the culture and how attitudes coward science from within and without, the scientific community are formed and change. To this end we neek to understanding the following the community are lationship between theory, evidence, and and extraction. In pursuing our goal we will examine the following copies:

- Fall Term:
  A. The Sixteenth and Seventeenth Centuries
  1. The Seientific Revolution and the Emergence of Scientific The Sixteenth and Seventeenth Centurios
  The Scientific Revolution and the Emergence of Scientific
  Organizations
  The Scientific Revolution and the Industrial Revolution and
  the Industrial Revolution.
  The First Emergy Crisis: The Denuding of European Forests.
  The Eighteenth Contury
  1. The Notion of Progress: Science in the Enlightenment Era,
  2. The Science Begine and the Theory of Heat.

- 1. The Notion of receiver.

  2. The Steen Engine and the Theory of Heat.

  Spring Turn

  3. The Steen Engine and the Theory of Heat.

  2. Evolutionary Theory and Social Destruition.

  3. Evolutionary Theory and Social Destruition.

  3. The Theory of Receiver and Social Destruition.

  3. The Theory of Reserve, Uniformitariants a Velokowsky's Catastrophism.

  4. Structural Theory, Uniformitariants a Velokowsky's Catastrophism.

  5. Structural Theory, Moleculer Biology, and Recombinant DN 6. Theories of Personality and the Technology of Therapy.

  7. Objectivity and the Social Sciences: The Case of Intelligence Testing.

  8. Bullity.

  8. Distructural Theory, Chune Management and Social Responsibility.

  9. Understanding the Human Body and Medical Technology.

  10. Human Engineering and Medical Echica.

With the permission of an instructor students may enroll in the Spring Torm without having taken the first half of the course in the provious semester.

The course will meet 1-1/2 hours twice a week for lecture and discussion. Each student will be expected to write a major paper on a topic of his or her choice from within the framework of the focus of the course.

# SCHOOL OF SOCIAL SCIENCE

POVERTY AND WEALTH SS 102

Laurie Nisonoff

"God and Nature have ordained the chances and conditions of life on earth once and for all. The case cannot be respected. We cannot get a revision of the laws of human life." W. Graham Sümmer

"Contrary to what many believe, poor people are not poor because they are-naturally lary and stupid or because they have too many childran. Nor is it because there aren't enough jobs to go around or because poverty is a 'natural' condition of society.

"(There is in America) a business white that has historically kept certain elements of society poor for the benefit of the rich and powerful." P. Roby

Then and powerful. \*\*P. Roby

Tho gets the soney in America and who doesn't? Why is there
powerfy in the frichest country in history? Although often succeptified by econosic theorists in oblique foreslars, the first powerfy and the character of wealth go then, what are the human
first to live in America. The country of the country of

There will be thoustic units such as: federal income measurement—lis facts and its fictions, the business elite. Laxation, family and secure depotent and such care and separate endowemt. Sag education and the history of social welfare redovemt. Sag clearity. With the goal of fostering an understandy the way income inequality is perceived and measured, we will also examine three paradigms in economic inquiry: the radical, the liberal, and the conservative.

Readings will include: David Gordon (ed.). <u>Problems in Politi-cal Economy</u>; Rerean P. Miller, <u>Rich Man Poor Man</u>; Pasela Roby (ed.). The <u>Proverty Establishment</u>; James G. Secville (ed.).

Perspectives on <u>Proverty and Income Distribution</u>; Helen Chabucg (ed.). <u>Powerty Economics and Society</u>.

o course will meet for 1-1/2 hours twice a week and is limited 18 students on a first come first served basis. Evaluation 1 he based on class participation and several problem sets 1 themas assigned throughout the semester.

DΙ	VISION I	
PO	VERTY AND WEALTH	Nisonoff
CÓ	N, WOMEN AND WORK: A HISTORICAL AND NTEMPORARY PERSPECTIVE 104	Glazer M. Stater
	THE MEXICAN REVOLUTION DEAD?	Weaver
	ONOMIC PERSPECTIVES ON WOMEN	Nisonoff
	E HOLOCAUST	Glick
	DDELS OF HEALTH CARE DELIVERY	von der Lipp
Ε	NTRODUCTION TO THE CLASSICS OF POLITICAL CONOMY 5 126	Hogan
G	REEK POLITICAL THOUGHT S 134	Landes
H	UMAN AGGRESSION S 157	Poe
	IVISION II	
1	HISTORY OF THE PRESS IN THE UNITED STATES IS 201 (LC 201)	Kerr
	FAMILY IN CROSS CULTURAL PERSPECTIVE IS 207 >	Cerullo Johnson
١	BLACK AMERICANS IN A CAPITALIST SOCIETY SS 223	Hogan
	LANGUAGE, CULTURE AND POLITICS SS 231 ( <u>LC 231</u> )	Feinstein Glick
	IMPERIALISH AND UNDERDEVELOPMENT IN THE THIRD WORLD . SS 232	Holmquist Johnson Hartford
ı	NEW ENCLAND WORKSHOP: NEW ENCLAND PAST, PRESENT AND FUTURE SS 246	Breitbart Fitch Holmquist
	FEMINIST AND OTHER SOCIAL MOVEMENTS IN EUROPE AND AMERICA SS 231	Breitbart Fitch Landes
-	AMERICAN LABOR HISTORY AND LAW SS 258	Mazor Warner
	EXPERIMENTAL DESIGN AND DATA ANALYSIS SS 272 (LC 272, NS 272)	Poe Stillings Williams
***	INTERPRETIVE AND CRITICAL APPROACHES TO KNOWLEDGE IN THE SOCIAL SCIENCES SS 273	Rakof f
	ABNORMAL PSYCHOLOGY SS 286	Farnham
	LAW, JUSTICE AND EDUCATION: CONVERGENCE AND CONFLICT SS 221	Fowlkes Rose
	AUTONOMY AND COMMUNITY: THE DEVELOPMENT OF THE SELF AND SOCIAL INTERACTION SS 292	Mahoney

HEN, WOMEN AND WORK: A HISTORICAL AND CONTEMPORARY PERSPECTIVE

# Penina Glazer and Miriam Slater

This course will examine work and the workplace in modern society. Ye will look at a range of occupations from unskilled and poor lyshed, labor to highly trained and rewarded professions. We did tion to studying the nature of work, we will analyze to elactionship between work and career, careet and professions. The course will address questions concerning psychological and social effects of various kinds of work froboth a historical and contemporary perspective.

Class will meet on Wednesdays and Fridays from 10:30-12:00

IS THE MEXICAN REVOLUTION DEAD?

# Frederick Weaver

Prederick Meaver

This question continues to spark active debate inside and outside Mexico, but the manner in which it is posed, much less answered, depends on a particular assessment about both the Mexican Revolution (Which began in 1910) and Mexican society in the last two or three decades. After some background reading, we will explore both the Revolution and its legacies in order to achieve some systematic understanding on rural-urban and inter-regional relationships, class forces, patterns of political change and economic velfare, and the influence of the United States. This should help us to tellight occurrence in productive ways and allow us to begin thinking about whether the Mexican experience is or could be representative of other Third World nations.

The sentmar will meet twice each week for two hour sessions and will involve several short pieces of writing and active participation.

## ECCNOMIC PERSPECTIVES ON WOMEN SS 114

# Laurie Misonoff \_

This course will enalyze the economic position of women in American society and the process by which economists examine society. We will begin with a brief historical perspective on women's economic role in society, paying perticular attention to the sexual division of labor in non-market work and in the (continued)

labor market, and the development of the distinction between non-paid and paid labor. We will compare and contrast the ideas of the various paradigms of economics concerning these issues.

We will analyze the experiences of vomen with varying socio-commence backgrounds, including a unit on the black family, commenced by the commence of discretination and hierarchy. We will discuss the strategies that are most effective for organizing women on their two jobs, in order to develop a perspective on the relationship between woman's status in a society at large and their economic position. Hopefully, this will lead to a strategy for social change.

Individual presentations in class on the current topic vill be expected, and participation in a proper (cither individus or collective) that is of some will be encouraged. For instance, once algability of the course of the cou

The class will meet twice a week for a total of three hours. Enrollment is limited to 25, is open to men and women, and five College students are welcome. First come, first served basis.

THE HOLOCAUST

Leonard B. Glick

The Holocaust was not only one of the most avesomely wicked undertakings in human history, it was uniture in the annals of genocide in that the entire provide such such such average and engineered. It have been such a conviction that, differ though it way be to understand with the reading contributions from samy kinds of writters. Next the reading contributions from samy kinds of writters historiens, political scientists, psychologists, memoiriest, and others - in an effort to begin to understand the fate of the Jevs of Europe.

The course does not begin with Hitler. It begins in early medieval Europe and moves gradually forward as we consider, first, the conditions of life for the Jevs of Europe Green fifteen hundred years; next, the evolution contained in the interest of the property of the place of least and the place of least need when, where, and as it did. Other essential topics to be discussed include the nature of fascism and its relation to antisentiam, the psychology of perpetualized witches, responses by other nations, trials and the problem of guilt and punishment, and attempts to prove that none of this ever really happened.

Students will be expected regularly to write short commentary papers (1-7 pages) to be used as a basis for discussions. Two pages 1 is hour meetings each week; one primarily for lecture, the other primarily for discussion.—Euroliment limited to 2); first come, first served.

MODELS OF HEALTH CARE DELIVERY

In this seminar we will read about, discuss, and visit various examptes of the way health care is, has been, and can be delivered. Our approach will be sociological but we will consider political and economic issues as they apply and consider political and economic issues as they apply and models of care are: solo-feer-for-service care; emergence care; welfare medical care; specialty practice and care. We thantenance organisations; and socialized deficated care. We will concentrate on American medical practice and history but will also look for comparative examptes to foreign models of health care systems.

Enrollment is limited to 20; first come, first served. The course will meet twice weekly for 1 1/12 hours each.

INTRODUCTION TO THE CLASSICS OF POLITICAL ECONOMY

The course is designed to familiarize the student with some of the great contributions to the science of political economy. The choice of the science of the science of the science of the choice of the course of the choice of the science of the sc

An intensive study will be done of the works of at most two authors special exphasis will be placed on (a) the nature of authors special exphasis will be placed on (a) the nature of experience of conceptorary economic process, (b) the special way in which the author formulated the problems to be studied, (c) his peculiar or unique mode of inquiry, (d) his fundamental conclusions, (e) the impact of his works on contemporary understanding and future development of the science of political economy.

Some of the candidates for study are Adam Smith, David Ricardo, Karl Marx, Alfred Marshall, John Maynard Keynes, Joseph Schum-peter, etc.

The course will meet twice a week for 13 hours each session. The basis for evaluation will be a series of short papers which depends rate an understanding of the main ideas and malytic excited as swell as the interrelationship between the authors. Enrollment is limited to 15.

# Joan Landes '

This course is an introduction to the Greek arigins of Western political theory. We will closely examine three major texts: Plato's Regultic Aristotic's Politics, and Thucyddes' history of The Politics and Marg. We will supplement our study of the Politic and Marg. We will supplement our study of the Course with The Ancient Greeks: An introduction to Their Life and Thought, by M. I. Finley.

Incir Lite and incount, eye. I rusty.

Among the themses to be considered are the Ancient conception of the polis and the way it is transformed in the writings of Plato and Aristotle; the relationship below the individual and the sates; the status in lite of the property of such institutions as state; the attents in the philosophical setting of the Greek family and househor-latte. We will also attempt to situate the tritical theories and their virtings in the totality of Ancient social institutions and practices as these historically accounted down to the waning of urban lite. To this end, we will (continued)

be especially sensitive to problems of class structure, the status of vomen and children, the role of slavery in the economy, and the rise of mercantile empire as a foundation of Athenian democracy. In turn, we vill attempt to account for the auti-democratic atrain in Greek political thought in light of these social and historical developments. The course will be organized as a seminar and is limited to an enrollment of 20.

HUMAN AGGRESSION

## Donald Poe

This course will examine a number of approaches to the study of human aggression as a theme for introducing students to the ways in which social psychologists view the word, approach problems, and gather information. Student sometimes of the assumptions which underly the subject of the sample of

The topics in aggression which will be used to illustrate the psychological "mode of inquiry" include innate theories of aggressive instincts (e.s., Lorenz, Ardrey, Horris), learning theories (e.g., Bandura), anthropological appreaches (e.g., Vayda, Marris), and human experimental appreaches (e.g., Vayda, Special topics will include che relationship between aggression and obedience, effects of television on aggression, aggression and out-groups (especially athnic groups), and croud/mob behavior.

Students will be expected to write a number of short critiques of assigned readings, and to complete a number of take-home assignments dealing with research designs. Students will also dan individual project which can take the form of a research paper on a pertinent topic of interest, or can actually involve the designing of a data collection effort to tast a hypothesis related to course content.

The course will meat twice a week for  $1^{\rm h}$  hours each meeting, / Enrollment is first come, and is limited to 20.

FAMILY IN CROSS CULTURAL PERSPECTIVE

# Margaret Cerullo and Kay Johnson

This course will examine family structure, practices and values in a cross-cultural comparison of European Chinese and North American cultures from the 17th to the hot home the same that the advantage of the comparative part is twofold: it widens the scope of available information in a way which permits earn a same which permits earn a same part of the same that is the same and t

W. Intend to examine the following themes across these three 'amily systems with special attention to defining and under-standing themes across the standard standard system and the standard proper distribution within the family and forms of resistance to dominance; (2) consumption—patterns (appecially dress and deportment); (3) sexual practices, acticudes, and ideology; (4) child rearing practices and attitudes, and the family unit under capitalism and attitudes the same time, we will critically be time, we will critically sexual properties and the family unit under capitalism conventional historical cate-gories such as industrialization, modernization, bureaucratiza-tion, etc.

The class will meet for two 15 hour sessions each week.

# BLACK AMERICANS IN A CAPITALIST SOCIETY

The basic objectives of the course are to examine critically the nature of the forces governing the interrelate processes among blacks, and between blacks and the constraint of production, distributed and the constraint of seatth the constraint of seatth the constraint of seatth the constraint of seatth these forces to bring about persanent improvements in the economic well-being of the Black population are explored and analyzed.

As a means of achteving the objectives, a general conceptual framework of the U.S., economy is developed. This framework is then specialized to the black population as a central is then specialized to the black population as a central focus. Current as well have been date are presented by vary of illumination date and many special of Black economic activity and the seconomic activity and the seconomic activity of the seconomic activity of the seconomic activity that the seconomic activity the framework is used as a basis for analyzing both short and long run politicies designed to enhance the relative economic, position of Blacks.

An important section of the course examines the economics of slevery, the non-civil war economic reconstruction of the cotton south, and the impacts of these phenomena on the sub-sequent development of American capitalism.

systematic theme throughout the course is the fundamental ature of black population dynamics during the various conomical formations of the last 350 years in the United Pares.

A wide selection of resdings are done from standard economics texts, from Marx and the modern redical economists, from the "climetriclans", and from recent contributions in the <u>Review</u> of <u>Slack Political Economy</u>.

Classes meet twice a week for two hours each session. I independent research project, approved by the instructor during the first two weeks of classes, is a significant requisite for successful completion of the course.

Enrollment is unlimited.

LANGUAGE, CULTURE AND POLITICS

Leonard Glick and Mark Feinstein

bounding which men make Feinsecan

Diversity in language and culture is a pivotal (actor in the
political life of many contemporary mations. People who differ
in language, values and historical identity must come to cut
with one another, as interacting parts of a single politic
whole. In some cases they cooperate; in many more, bity compare
whole. In some cases they cooperate; in many more, bity compare
in perious conflict over national goals and propective of
approach this question from the interrelated prespective of
approach the question from the interrelated prespective of
anthropology and sociolinguistics. Basically we will discuss
(continued)

three major topics, each illustrated with case studies:

The politics of diversity in post-colonial nations (Malaysis, India, Migeria)
 Markies and the national question (Soviet Union and China)
 Language and social inequality (Canada, Mexico, United States, the Caribbona, Sri Lanka)

We will pay special attention to strategies and conflicts relating to choice of nutional language; language and social status; language plannings; and the impact of political change on language change;

The class will meet twice a week for 1-1/2 hour meetings. Enrollment is open.

IMPERIALISM AND UNDERDEVELOPMENT IN THE THIRD WORLD S\$ 232

Kathy Hartford (Amherst College), Frank Holmquist, \* and Key Johnson

And kay Johnson

The course examines the evolving relationship between Western power (particularly the U.S.) and the Third World from a historical and political-economy perspective. It begins with a survey of the historical bases of Europearies impact upon accounties once the survey of the historical bases of Europearies impact upon accounties once the course will then focus of the course will then focus of the course will explore the changing on these accounties once will explore the changing roles of unitaries and the course will explore the changing roles of unitaries and indigenous development polities and the formation of Third World class structures. Special attention will be paid to the question of whether and under and conditions Third World class structures. Special attention will be paid to the question of whether and under and conditions Third World countries and the question of heather and under and conditions Third World countries to the particular of a dependent relationship. We first Third World hose and feeded by recent clicationship. We in Third World hose and feeded by recent changing the world economy and by the rise of primary modern organizations such as offec.

The class will meet twice a week for 1-1/2 hours each session. Enrollment is unlimited.

NEW ENGLAND WORKSHOP: NEW ENGLAND PAST, PRESENT, AND FUTURE SS 246

Myrna Breitbart, Nancy Fitch, and Frank Holmquist

Based on the assumption that American politics, economic prob-lems, and history can best be taught through the experiences of people in local communities, this course will noke use of ciras-room and fieldwork exercises that draw on empirical gathered in or on local communities, and the control of the gathered in or on local community, we aim at using the information as a basis for understanding some of the key problems facing New Englanders today.

in particular we will attempt to analyze the historical roots and implications of three nois problems: (1) the crisis in New England spriculture, (2) the crisis in New England industry, and (3) the rise of professions and the centralization of government in the United States, aspecially insofar as these phenomenon are related to contemporary New England.

The class will frequently meet twice a week for 1-1/2 hours each meeting; however, much of the course work will be conducted in the field. Open enrollment.

FEMINIST AND OTHER SOCIAL MOVEMENTS IN EUROPE AND

Myrna Breitbart, Nancy Fitch, and Joan Landes

This course will compare the women's movement and its relationship to socialist and name-this policies in capitalist sociaties. In particular, we will consider the United States, teles. In particular, we will consider the United States, Germany, betain, and treat some briefly Italy, France, and Spain. We named to trace women's movements historically and the United States.

United States.

The purpose of this course is to address three themes: the place of women's covenents in related struggles vs. engitalism and in socialist revolution; the relationship between common and non-socialist women; and the place of the respective covenents.

The property of the considered within these canases, the considered within these canases, the considered within these canases. The connections between unbinaries; the rights of women workers; personal relationships and sexual reform; class struggles for social change women-initiated struggles for social change with the women's liber the work in the present period. This will be worked to the present period. This will be worked to the present period. This will be will use of the physical social, and working an investment of the physical social, and working and viconment. We will use original documents, historical materials, and autobiographical accounts.

The class will meet twice a week for  $\hat{I}_{\tau}^{\mu}$  hours each meeting Open enrollment.

AMERICAN LABOR HISTORY AND LAW

Lester Mazor and Stanley Warner

Lester Mazor and Stanley Warner

Now can we account for the present-and in comparative termspeculiate position of American labor both as a class and as a
movement? To explore that question we will focus on the his
torical development of American labor law as no xis for
understanding issues of social change. We will be advantaged
a number of connected themes encomparation, glass of worksman's
compensation, the standard of the

(continued)

sectors and a full circle return to agriculture and the strug-gles of farm workers will complete the historical framework.

This is a new course, with its organization and reading materials still in the planning stage. It is intended to help meet the needs of students who are in the beginning or middle stages of their Division II work and we seek a stronger grounding in American history. The formul no seek a stronger grounding in American history. The formul organization for the first include files, invited speaker, and a longer expedition to Detroit, Lordstown, and Youngstown.

The class will meet twice weekly for 1-1/2 hours. Enrolluis unlimited.

EXPERIMENTAL DESIGN AND DATA ANALYSIS

NS 272 SS 272 Donald Poe, Neil Stillings, Lloyd Williams

Daile uomass roe, Netl Stillings, Lloyd Williams
This course is an intensive introduction to research methods
for students in all areas of natural science and psychology
who intend to collect and analyze empirical data during Division II or III. There will be separate and asymptopy
periments for students in natural send asymptopy, and
the course will be spill meet as whole for instruction in
the methods of data analysis and statistics that are common to
natural science and psychology. The approx asignments in the
course will involve applying the methods of data analysis to
the laboratory experiments and writing up the results in a professional form.

The collowing topics will be covered in the course: demystifying utatistics; the appropriate use of experimental and monex-perimental methods; properties of physical and psychological measurement; principles of experimental design and their rela-tion to statistical analysis; basic techniques of descriptive and infe-prial statistics; guidelines for responsible and clear rep-rting of research results.

INTERPRETIVE AND CRITICAL APPROACHES TO KNOWLEDGE IN THE SOCIAL SCIENCES

Robert Rakoff

Social science was long dominated by a materialist, positivist methodology that was derived from an over-simplified and distorced view of the natural sciences and whose goal was "objective, value-free" knowledge of the social world--knowledge that could be used for prediction and countrol of social phenomena (and, of course, of people). As the political phenomena (and, of course, of people). As the political science have become surveyed that the property of the property of

In this course, we will entain be bed for these intellectual trends - i.s. the whole for metatheory, perhaps) of social trends - i.s. the whole for metatheory, perhaps) of social science. In perticular, we will focus on efficient social science. In perticular, we will focus on perhaps the social science, critical Marxias, ethnomethodology, and cultural or symbolic anthropology, in search the social science of the question, "One a social science to the question," One as social science is included in the social science of the science of the social science of the social science of the social science of the scienc

Among the people we will read ore Weber, Schutz, Berger and Luckmann, Marx, Lukacs, Maberman, Bernstoin (whose The Restructuring of Social and Political Theory Try, Sahlins, Gentz, Winch, and Unger.

The class will meet twice a week, 90 minutes per session, and will be run as a seminar. Limit of 12. First come. Lottery if needed.

SS 286

Louise Farnham

This course will deal with the diagnosis, treatment, and prevention of various categories of disordered behavior. Attention will be paid to personality theories and "schools" of psychotheray as that is appropriate and relevant to the major focus. Techniques of assessment will be discussed and addition to a tactbook, setupolist will be will be appropriate the control of the course of the cour

Twice a week, 1-1/2 hours each time. Unlimited

LAW, JUSTICE AND EDUCATION: CONVERGENCE AND CONFLICT

Hedy Rose and Oliver Fowlkes

By a Massachusetts superior court Decree in Fall, 1978, Mr. Mrs. Perchemides won the right to educate their child at ho instead of in the Ambers Public School system as previously required by state law.

required by state law.

There are clearly some issues which could serve as the focus for a course such as this, but the fact that school attendance is compellably midroute such of us with an intimate example of the intention. The course of law and education. Now pervasive is this relative of the course of the course of the direct effects of it? Is not educational policy based on educational theory, or at east, on pillosophy? What role does the law play in enabling school to become the institution responsible for major portion of the accialization process? Does this paragraph of the course of the c

In this course we will examine some of the current topics contonting American education with any eye count understanding the historical context in which the role of law energed to the historical context in which the role of law energed to the historical controversies in school, we ull consider the trights of teachers and students; compulsory schooling, the separation of Church and State; qual educational superface of Church and State; qual educational separation of Church and State; qual education of the law and the school in a democratic society and the function of the law in educational policy.

Students are expected to attend classes twice a week for one and one half hours each and prepare readings, short and long appers, projects, and participate fully in the inquiry. Where passible students are encouraged to de field work and we will accommodate them. Format will insure seminar-style participation, but this

(continued)

will be laternated with lectures by faculty as well as invited guests. Because of the number and variety of readings, all required assignments as well as most of the suggested cuterials will be available on Reserve at the literary. A bibliography containing these and other titles will accompany this sytlabus. Open carolineant.

AUTONOMY AND COMMUNITY: THE DEVELOPMENT OF THE SELF AND SOCIAL INTERACTION

Maureen Mahoney

One of the most important milestones in personality development is the emergence of a sense of self as independent from others. At the same time, social life depends on cooperation and a sonse of self as part of a larger community. In this course we will commiss the self as part of a larger community. In this course we will commiss the self as the self as larger community presupports autonomy. How does the infant, wholly dependent on her caretaker of sustemence, prov to have a sense of herself as independent and separate from others? Is this separation forced on the infant per self as the infant an active participant in seeking autonomy? To what extent is the infant ascaling assessed autonomy shaped by her caretaker's behavior, her mendiate envirouscht, and the cut-off as the infant as cut-off as a content of the self infant as content is the infant as content in the self as a cither merged with or separate from others?

Reedings will include research in development psychology, especially infant development, as well as an introduction to theoretical accounts of the development of the self, including Freud and critiques of the Freudian model. Special suphestical in the self and the course will be placed on learning to read and criticiae remembrance in psychology.

The course will be limited to 20 students. If necessary, they

The course will be limited to 20 students. If necessary, they will be chosen by lottery during the first week of classes. Heets twice a week 1-1/2 hours each session.

# DIVISION III INTEGRATIVE SEMINARS

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THE ETHICS, POLITICS AND BIOLOGY OF GENETIC ENGINEERING IN 345	S. Oyewole
THE CONNECTICUT RIVER IN 346	R, Lutts C. Van Raalte
THE TECHNOLOGY PROBLEM IN 347	R. Muller
LAW AND LITERATURE IN 348	L. Mazor D. Smith
LOGIC OF SOCIAL SCIENCE ANALYSIS IN 349	R. von der Lippe
INEQUALITY IN AMERICA: COMPARING JUDICIAL, LECISLATIVE, AND BUREAUCRATIC REMEDIES IN 350	O. Fowlkes R. Rakoff
PSYCHOANALYTIC THEORY AND LITERATURE IN 301	L. Farnham

THE ETHICS, POLITICS AND BIOLOGY OF GENETIC ENGINEERING

Saundra H. Oyewole .

Saundra N. Oyewole

This section: "All provide a forum for discussion of a very exciting area of research and the implications of that research for our society. Recent advances in molecular biology and senetics have raised serious questions shout our genetic future. The specter of clones of a master race and the release of dangerous symbetic genetic combinations into the environment have led some to question the advisability of allowing the certain kinds of genetic research to be done are worthy of being cloned and on the value of the control of the contr

Limited to 15 students by instructor's permission.

The seminar will meet once a week for 2-1/2 hours.

THE CONNECTICUT RIVER

Ralph Lutts and Charlene Van Raalte

Aughn Lucts and Librache van Malice

The Connecticut Kiver may well be the most neglected natural
beauty in Western Hassachusetrs. The river and its floodplain
drew people to this valley, leading to the growth of the control of the

This course will examine the Connecticut River and its role in the life (both human and non-human) of the Connecticut Valley. Clean meetings will include field trips and guest speakers. Students will be expected to write a couple of short informal papers, and share responsibility for reaching one of the classes. In the latter part of the sceneter students will be expected to make a presentation to the class, perhaps on their Division Ill work as it relates to the content of the course.

We hope to attract a variety of people to this seminar, including people interested in ecology, water policy, history, and geography.

THE TECHNOLOGY PROBLEM

## Richard Muller

Many of the ills of our society are ascribed to technology: sometimes to the thoughtless use of technology, sometimes to achiency (test), sometimes to a cast of thought. In this seminar we will bring our individual perspectives to beer on questions about the place of technology, in our society. We will read from the critical writings of people like Snow, Manford Ellul, Roszaw, Schamacher, Lovins, and About Sac Evertee as art, when the control of the co

Specific readings and topics will be chosen in the late fall of 1980, so that students planning to participate in the seminar can help shape our syllabus. The course will neet once a week for two or three houri preferably in our homes; evaluations will be based on seminar presentations and discussion. Enrollment is limited to 20 on a first-come, first-served basis.

TAM AND TITERATURE

Lester Mazor and David Smith

This course will bring students of licerature and law together twice weakly for lectures and discussion of works selected not only for their excellence as pieces of writing burnels. (1) the insight they offer in the setuly of three parts. (2) the trial as mataphore, (2) the idea of property, and (3) the nature of justice.

of justice.

Our sin is to examine critically and discuss in depth three or four works on each of these themes and to draw on sacondary sources for deepening of perspective. Throughout, the course the incredisciplinary smphasis, reflected in the backgrounds of the two teachers -- humanities, literary criticins, lev, cultural studies, history -- will be used to illusinate that study of individual works. We will expect that the rolling in the course will be fug to bear the viewpoints they are developing in their own both.

Active student participation will be cultivated through discussion, paper writing, acting, etc.

Works to be examined may include Alice in Monderland, Gilbert and Sullivan's Trial by Jury, Arthur Miller's The Cruetble, Shirley Jackson's "The Lottery", Kefe's The Trial, the Hegns Carts, John Locke, and other dighteeath-century philosophere on

The course will meet twice a week for two hours each maeting on a first come basis. Enrollment is limited to 50 students.

LOGIC OF SOCIAL SCIENCE ANALYSIS

Participants in this seminar will be reaponsible for presenting an extensive and detailed numary of their Division III work in progress. We will be focusing specifically on questions relating to the logic of analysis, uge of empirical data, and the organization of evidence. Sackground rendings will emphasize the use of evidence and interpretation in the social science disciplines. All participants will be expected of smallistate themselves with the other students, work as many properties of the presentation of the social science of the second of the second

IN 350

INEQUALITY IN AMERICA: COMPARING JUDICIAL, LEGISLATIVE, AND BUREAUCRATIC REMEDIES

Robert Rakoff, Oliver Fowlkes

The last, 25 years of American politics has been dominated by struggles over the identification and sectionation of inequality-economic, racial, servel, general over the open control of the control of

In this integrative seminar, we hop to direct the efforts of students who are assessing such policies and programs toward consideration of these structural issues. The kinds of ques-tions we might raise are:

tions we might reside are:

"what decrimes the effectiveness of different change-seeking
governmental organizations?

"how can that effectiveness be measured in the first place?

"what are the advantages and disadvantages (political, coral,

"trilitarion, strategic) of judicial and bureaurerate efforts?

"does increasing "judicialitation" of such polity making

threaten legislative perceptive and representative such contents.

"Anat uses of governmental positical change?

"ight for fundamental political change?

The substantive content of the seminar will, of course, be determined by the particular interests and research endeavors of the participants. Students working on issues like following, however, should find the seminar of particular would be continued to the content of the course of

-inequality in access to, quality and funding of public education of constraints in economic and welfare policies of sperime action in each proposed action to the proposed action in the proposed action of the proposed action in the proposed action of the proposed action in the proposed action of the proposed action in t

-protection of the environment

This class will meet for 3 hours 1 evening a week. Limit of 12 students a lottery will be held if necessary.

PSYCHOANALYTIC THEORY AND LITERATURE + IN 301

Louise Faraban

This seemes is intended for students with a wide range of interests which extends to the attempts to combine a close reading of literary work with the combine and the combine of literary work with the combine of the

Class will meet for three hours once a week. Enrollment is limited to 10.

