

Hampshire College
Course Guide
Supplement



Dean of Faculty Office

September 1980

Contents

Humanities and Arts	1-7
Language and Communication ..	7-9
Natural Science	10-12
Social Science	12-16
Outdoors Program	17-18
Recreational Athletics	18-19
Integrative Seminars	16-17
Special Programs	19
Faculty Biographies	20-21
Schedule of Class Meetings .	22-28

COURSE INTERVIEW DAY

is

SEPTEMBER 4, THURSDAY

Additions/Cancellations/Changes in Course Offerings for Fall Term 1980

SCHOOL OF HUMANITIES AND ARTS

HA 102 THE FORMS OF MUSIC - Jan Swafford (new course)

This course will touch on form and style in many of the great musical traditions of the world--Indian, African, Balinese, Japanese, Balkan, Jazz, and Western Classical. The aim will be to hear, understand, and enjoy all those musics more thoroughly. The course is open to anyone who likes a wide range of music and wishes to know more about it.

Enrollment is open. Class will meet twice weekly for 1½ hour sessions.

HA 103 TRAINING FOR THE BEGINNING PERFORMER - Janet Jenkins and Sandra Neels (new course)

The most interesting performers are those who have discovered and nourished their individuality and perceptions and are able to bring them to the stage. Their resources for creativity are found within themselves. This course intends to develop the mind/body/senses/emotions into a vital instrument for the stage.

We will be working with text, dance, and voice, employing exercises geared toward sharpening awareness and sensitivity, broadening the emotional range and freeing the performer's impulses.

It is our goal in this class to redefine and rejuvenate the performer's sense of self and to bring him/her an understanding of just how varied and vital a performer's resources are.

This class will meet twice weekly for two-hour sessions. Enrollment is limited to 12. Admission is based on interview and permission of the instructors.

HA 109 GRAPHIC DESIGN - Debra Weier (new course)

Graphic design is a method of presenting words and images to relay a message, whether for commercial purposes or for strictly artistic ends.

The course will be structured around graphics equipment, including the letterpress (i.e., handset type), the silkscreen, and the copy camera. We will use this equipment to learn some basics about design. There will be critiques

in which we will discuss each other's work in terms of texture, line, color, form and its relationship to the content. We hope to have graphics professionals come in and share their opinions.

The course is project-oriented. I will give demonstrations as well as a slide presentation on the historical evolution of graphic design--where it is now and where it is going.

There will be 1 three-hour session a week for demonstrations and critiques. In addition, I will be available on Fridays from 1:00 to 2:30 for assistance. Students are expected to supply their own silkscreens and a few other items. Enrollment is limited to 15 on a first come, first served basis.

HA 115 BEGINNING MODERN DANCE - Jill Esterson^o (substitution)

This course will serve as an introduction to some of the basic elements of modern technique. We will work on nitty-gritty issues such as stretch and strength. Necessarily, we will develop a vocabulary with which to talk about dance. Primarily, I would like to build an atmosphere where people can extend both their range of movement ability and also their confidence/enjoyment of using their bodies.

The class will meet twice weekly for 1½ hour sessions. Enrollment is limited to 20.

^oJill Esterson is a Division III student concentrating in dance technique, choreography, and performance.

HA 115/215 STUDIO EXPERIENCE IN DANCE (replaced by 115, above)

HA 129 CLASSES IN TAP DANCING: MASTERING THE TECHNIQUE, EXPANDING THE FORM - Sandra Neels (new course)

"At this moment in our culture, tap dancing seems to be still poised on the turning point it reached with the beginning of its revival in the late sixties. Tap dancing is back, but the nature of its reincarnation is a matter for speculation. Can tap in fact attain a respectful place among contemporary popular art forms?" --Jerry Ames, Jim Siegelman, The Book of Tap.

This course will be first striving for a mastery of technical skills in the vocabulary of tap, and thereafter using them to tap resources and levels of abilities that extend beyond what we have come to expect from this form.

Students will be encouraged to work creatively and broaden their means of expression through new and innovative works using the tap vocabulary.

"I don't know what form it could take. I don't know what form anything might take. That's like asking, when Schonberg and Stravinsky were starting to write music, how will they write music? We don't know before it happens." --Paul Draper, classical tap dancer.

There will be two sections of this class taught: beginning and intermediate. Each level will meet twice weekly for an hour and one-half. Enrollment is limited to 20 in each section and admission is by permission of the instructor.

HA 161 PSYCHOLOGY OF THE BLACK EXPERIENCE - Charles Frye (cancelled)

HA 178 BEGINNING SCENE STUDY - Janet Jenkins (cancelled)

HA 219 THE FICTION OF HISTORY - Robert Marquez (cancelled)

HA 242 NOBLES, SAVAGES, AND CANNIBALS: THE WESTERN VIEW OF THE REST OF THE WORLD -
Edmundo Desnoes (new course)

This course will examine in an interdisciplinary fashion the nature of the image of the Third World in western painting. Works will be studied in a philosophical, historical and structuralist framework. The function and values of this imagery will be examined in three broad historical periods: mercantile expansion, XIX century colonialism and the period of struggle for independence. In each period we will attempt to classify the basic themes which emerge in Western painting concerning the rest of the world.

This general worldview--with specific archetypes--will be compared to imagery and views in the mass media today.

Class will meet Tuesday and Thursday, 9-10:30. Enrollment is open.

HA 244 BLACK PHILOSOPHY - Charles Frye (new course)

This course begins with a re-evaluation of the symbolic imagery of blackness. The course will then treat philosophy as the ancients would: as a personal, passionate striving toward a consistency with celestial and heroic archetypes, i.e., as an effort to reclaim those times when Sophia and the Others were still around.

While generally critiquing Western philosophy and Julian Jaynes' theory of the bicameral mind, the course will seek to demonstrate the "Hermetic" links between the traditional African world view and those of ancient China, India, Europe, and the Americas.

Students will be expected to read from a wide variety of sources, lead class discussions, master at least one divination system, and acquire a demonstrable understanding of some of those primary assumptions and modes of inquiry which have been collectively termed primitive, archaic, lunar, pre-Renaissance, feminine, black, etc.

The class, limited to 18 students, will meet twice weekly for two-hour sessions in the Enfield Master's House.

HA 253 AFRO-AMERICAN CHAMBER ENSEMBLE - Ray Copeland (new course)

The Chamber Ensemble will focus on the interpretation, articulation, and performance of specifically designed orchestrations featuring compositions by Duke Ellington, Thelonius Monk, Randy Weston, Quincy Jones, and other contemporary American composers. Besides concentration on ear training, instrumental facility, reading music notation in the Afro-American idiom, and creativity in ad-lib jazz performance, additional aspects of the course will provide insights toward orchestration and composition to be acquired from "All Things Combined" work booklets utilized during collective improvisatorial development within the ensemble and accompanying spinoff seminars.

The Afro-American Chamber Ensemble's repertoire will be adapted to the instrumentation of the participating musicians. Depending on the qualified enrollees,

the personnel will vary from conventional rhythm (piano, guitar, bass and drums) to complements of wind instruments ranging from a medium sized combo to a big band. For continued development, evaluation and/or grading, instrumentalists of comparable ability and "jazz motivation" will be encouraged to participate in HA 277 open or closed seminars which will be presented in conjunction with the main ensemble rehearsal each week. Ultimately, the Chamber Ensemble will refine the techniques essential to contemporary music performance on a professional and competitive level.

Auditions will be required in addition to a complete questionnaire from each applicant; forms may be obtained in the Music Building office. Maximum enrollment would consist of a conventional reed section of five saxophones (including flutes, clarinets, etc.), seven to eight brass (trumpet, flugelhorn, trombone, French horn, euphonium, tuba, etc.), and two rhythm sections (including auxiliary percussion), if available.

Auditions will be scheduled at the mutual convenience of the instructor and each enrollee. The Chamber Ensemble will convene on Fridays for two hours. The exact time will be designated prior to the beginning of rehearsals.

HA 259 "FROM THIS MOMENT ON": AN ECLECTIC DANCE TECHNIQUE IMMERSION COURSE - Sandra Neels (new course)

This course was created from the feeling on the part of the instructor that new energy needs to be developed in the technical training of dancers. This effort will involve an eclectic fusion of dance techniques for the purpose of coordinating sound and movement. A syllabus will be constructed from the ultimate goals of moving through time and space with sound. Tap will no longer be stationary, and ballet, modern, and jazz no longer without sound. These forms will meet on a plane of audible rhythm and whole body movement. Students will be encouraged to use visualization and the senses of hearing and seeing in order to accomplish this technique.

Participants will be required to have had some previous serious training in one or all of the following: ballet, modern, jazz, or tap. This class will meet four times a week for an hour and forty-five minutes. Please check with the instructor about specific shoes needed for this technique. Enrollment will be limited to 20. Admission is by permission of the instructor.

HA 260 TWENTIETH-CENTURY POETS: THE HIGH MODERNIST PHASE IN ENGLISH - Lorrie Goldensohn (new course)

The reading in this course is designed to provide students with a knowledge of those poems and poets constituting the main line of development in poetry written in the English language in the first half of the 20th century. While the work of Yeats, Eliot, Pound, Williams, Frost, Stevens, Moore, and Auden will receive the major emphasis, in order to orient ourselves to modernism as an international phenomenon, we will pay some preliminary attention to French Symbolist poetry in translation.

As the French reading indicates, the course will honor the need to place the poetry read in a cultural and historical context; but the main thrust will be to concentrate on ideology only as it is reflected through questions of style and structure. As Wallace Stevens observed, "A change of style is a change of subject." Our first responsibility will be to the poem.

In the process of reading poems with care and insight, students will be encouraged to develop their separate and individual critical approaches. The course should be of value to students specializing in 20th century studies, or American studies, or to the general student of literature wishing to hone his/her approach to a

particular genre. The course is also strongly recommended for those more in the habit of writing poetry than reading it. Some previous experience in handling literary criticism with reasonable sophistication is desirable, however.

General working procedure: the reading of many poems and some prose, the writing of papers, and the habitual placement of the body in the classroom at times requested by the instructor. I anticipate intensive reading and writing and hope to develop a good group situation where members can stay tuned to each other and to the pleasure of mutually shared and mutually stimulated work.

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

HA 270 ELECTRONIC MUSIC COMPOSITION I - Jan Swafford (new course)

The fall term of this two-term course will deal with electronic studio techniques including tape recording, tape manipulation, mixing, "classic studio" technique, and synthesizer technique, and will study elementary tape composition using short assigned exercises.

The class will be limited to seven Division II or III students, and preference will be given to those with the most extensive musical background. The class will meet twice weekly for two-hour sessions.

HA 273 PROBLEMS IN ENVIRONMENTAL DESIGN - Norton Juster and Earl Pope (new course)

This course concerns itself with analysis and design of the built environment. It will be organized around particular environmental problems (actual and theoretical) chosen by the instructors, and the class will allow for the students' engagement in a broad range of concerns in the definition, conception, and development of these projects. As a more advanced course, its objectives are to: (1) assist the student in further defining his/her interest and commitment to environmental studies; (2) reveal (through active involvement) the demands and responsibilities in the professional engagement of an environmental design problem; (3) increase understanding of the scope and complexity of environmental problems; (4) further build conceptual and communication skills; (5) develop methodologies for approaching and analyzing environmental problems; and (6) deal with problems of real concern in order to produce work of value and relevance to the community.

Possible areas of study for this term could include: (1) adaptive re-use--making use of what we have. The legacy of our built environment. (2) The new regionalism--the influence of place on form. (3) Patterns of settlement and habitation--some ways to relate energy and architecture. (4) Designing for the elderly, the infirm and the handicapped--some areas of special design concern. (5) Downtown revitalization--the viability of our towns and cities. (6) Form and function--form vs. function questions of design philosophy.

While the precise subject matter of the course will not be determined in advance, it could include any of the above or other problems of similar scope.

The class will meet once a week for two hours. Enrollment in the course is limited to ten students, and permission of the instructors is needed. It is the students' responsibility to arrange for interviews with the instructors.

HA 277 THE CREATIVE ART OF IMPROVISATION - Ray Copeland (new course)

The perennially evasive and perplexing question, "How do you teach jazz...?" has doubtlessly baffled music educators since titans such as Louis Armstrong, Duke Ellington, Charlie Parker, John Coltrane, Stan Kenton (all deceased), and Thelonius Monk, Miles Davis, Dizzy Gillespie, Al Hirt, Stan Getz, Benny Goodman,

have emerged as innovators of our indigenous American art form entailing musical self-expression and creativity. Consequently, and in consummation of doctoral accreditation in this comparatively new discipline in Music Education, the instructor has compiled more than 600 pages of documented methodology on implementation of the fundamentals of jazz performance within school systems, improvisational workshops, clinics, and seminars.

The Creative Art of Improvisation (A Methodological Approach in Performance and "Jazz Education") is now an official supplement to the HA 253 Afro-American Chamber Ensemble. HA 277 didactic seminars (open to visitors) and closed sessions of from 1½ to 2 hours will be presented each week on a rotating basis with the Chamber Ensemble. Members of the ensemble will be encouraged to participate in HA 277 seminars for continued development, evaluation, and/or grading. Five College music students who aspire to be music educators are particularly invited to attend open seminars, either as official enrollees or as spectators, since the element of audience reaction tends to enhance this form of improvisational growth within a didactic educational setting.

During open seminars, basic conceptual approaches to viable jazz performance--in addition to dissected solos by the instructor--will be analyzed and discussed via 3M projection and playback. Diatonic (modal) and chordal systems, turnback progressions, patterns, cliches, etc., will also be examined and performed collectively in unison with recorded and/or live rhythm section accompaniment, Xerox copies of projected transparencies will be distributed to active participants; they may be duplicated for colleagues if desired.

Students interested in enrolling in this course should obtain questionnaires from the Music Building office. Auditions will not be required, although a written/audible final examination--based on the Afro-American tradition--will be administered to official enrollees at the end of the semester. Course enrollment is unlimited.

HA 284 CREATIVE MUSIC: ITS THEORY AND APPLICATION - Roland Wiggins (new course)

This lecture class will focus on the interrelationship found in the conventional, non-conventional; and indigenous styles of music as viewed from a Western tonal basis. Students will be offered analytic techniques for personal inventories as melodic, harmonic, and rhythmic behaviors. Joseph Schillinger, Vincent Persichetti, Henry Corvell, and other 20th century composers/theorists will be explored in juxtaposition with the creative music of Charlie Parker, Dizzy Gillespie, Thad Jones, and John Coltrane. Outside reading and listening experiences are mandatory.

Students are encouraged to explore at least the very basic music notation practices such as those found in John Schaum Note Spellers I and II before registering.

From the materials presented, each student will be required to select special topics for final presentation.

Enrollment is limited to 15. An interview with the instructor is required. The class will meet twice weekly for two-hour sessions. Division I students may enroll with special permission.

HA 286 CREATIVE MUSIC: ADVANCED SECTION - Roland Wiggins (new course)

This course is offered to students who have completed HA 284 or its equivalent. It will explore in depth the syntax of melody, harmony, and rhythm in horizontal and vertical combinations. Selected creative music of Dizzy Gillespie, Jimmy Owens, Archie Shepp, Sonny Fortune, and others will be discussed using both traditional and non-traditional analytical principles. Outside reading, listening and concert attendance is mandatory.

Enrollment is limited to 15, and an interview with the instructor is required. The class will meet twice weekly for two-hour sessions. Division I students may enroll with special permission.

HAMPSHIRE COLLEGE CHORUS - Ann Kearns

Rehearsals Tuesday and Thursdays, 4-6 p.m., Recital Hall, Music Building. Concerts: October 12, Tenth Anniversary Concert, Bach cantatas 140 and 79, with soloists and orchestra; December 5, joint concert with Five College Early Music Program; April 19 Parents' Weekend Concert; April 24-25 projected Boston tour.

For audition, sign up at Chorus office, Music Building, by September 8.

SCHOOL OF LANGUAGE AND COMMUNICATION

LC 104 TRAFFIC COP OF THE AIRWAYS - James Miller (substitution)

In most nations of the world, radio and television, the most pervasive and perhaps most powerful media of mass communication, are owned and operated by the state. In America the broadcast media are run privately, usually as profit-seeking enterprises. But because radio and television stations must use a publicly owned resource, the electromagnetic spectrum or airwaves, they are regulated by the federal government, which serves as a kind of "traffic cop of the airways."

Broadcast regulation has been in effect since 1927. The law that set up the Federal Communications Commission (FCC) and that defines the nature of regulation and associated national telecommunications policy-planning activities was passed by Congress in 1934. Since then, broadcasting has changed a great deal. Today regulation and policy planning are themselves undergoing dramatic and potentially fundamental alterations.

In this course we will examine critically some historical and structural aspects of broadcast regulation. We will test the hypothesis that regulation functions chiefly to legitimate, through the ceremonies of public policy, the special interests of dominant broadcast industry actors and of influential federal branches, departments and agencies. We will analyze in particular the ways in which new, broadcast-related technologies have been handled, the economic dominance of the unregulated broadcast networks, the ritualistic devices of policy planning.

Books will include Krasnow and Longley, The Politics of Broadcast Regulation, Cole and Oettinger, Reluctant Regulators, and Haight, Telecommunications Policy and the Citizen. The class will meet twice a week for 1½ hours. Enrollment is limited to 15, to be chosen by instructor after first class meeting.

LC 111 INNATENESS - Michael Flynn (new course)

In one of Plato's dialogues, Socrates maintains that "inquiring and learning are nothing but recollection." That is, when we think we have learned something, what we've really done is simply remembered it from a past life; we're born with all knowledge, it's just that we experience great difficulty in bringing it to remembrance. Two millenia later, the British philosopher John Locke registered an opposing view: "Let us suppose the mind to be, as we say, white paper, void of all characters, without any ideas--How comes it to be furnished?...To this I answer, in one word, from Experience." At birth we know nothing.

Plato and Locke can be regarded as holding down the opposite poles of a dispute that has recently reemerged as a hotly debated issue in the philosophy of mind. The essential question is this: To what extent is the character of the things we learn determined before we learn them by virtue of the way our bodies and minds are constructed?

In this course, we will attempt to unravel the complicated strands of this issue by focusing on one facet of human cognitive achievement: knowledge of a language. We will look at the approaches of various theories of human psychology to this problem with an eye to their philosophical underpinnings and their implications for the nature of human cognitive ability. Though our principal emphasis will be on such contemporary theorists such as Chomsky, Skinner, and Piaget, there will be occasional digressions of varying length into classical and 17th and 18th century philosophers and into other branches of contemporary psychology. We will also give some substance to the theoretical perspectives by learning some technical aspects of linguistic theory. No background in linguistics, psychology or philosophy will be presupposed. The class will meet twice a week for 1½ hours each time. Students wishing to be evaluated will be asked to write two papers totaling not less than 15 pages, and to do several shorter homework assignments. Enrollment is limited to 15, first come, first served.

LC 211 MASS ENTERTAINMENT - Rodney Carveth (new course)

The entertainment industry in the United States is a multibillion dollar enterprise, and a highly profitable one at that. Yet very little is known about how entertainment works. This course will explore what entertainment is and how entertainment functions for audience members. Both classical theories and recent research concerning entertainment will be studied and discussed. Topics to be covered in the course include: heroes vs. villains, the creation and appreciation of humor and suspense, media depictions of violence and erotica as entertainment, and the influence of medium and genre on dimensions of entertainment.

There is no required text for the course, though students will be assigned articles to read on a weekly basis. Students will be given an option to do either an extensive literature review of a topic covered in the course, to participate in a research project under supervision of the instructor, or to conduct an original research project. Students will also be expected to make a substantial contribution to class discussion. Videotape and film presentations will be made throughout the course. The course will meet for 1½ hour sessions twice a week. Enrollment is limited to 20 by permission of the instructor.

LC 213 TOPICS IN LINGUISTIC THEORY - Michael Flynn (new course)

The pioneering work of Noam Chomsky in the late fifties and early sixties seemed to make clear the need for two kinds of rules in theoretical syntax: context-free phrase structure rules and transformations. This long-standing assumption, however, has recently come under attack. The most highly articulated theory

of phrase structure rules, the \bar{X} theory, has been shown to encounter severe difficulties, and alternatives based on categorial grammar have been proposed. The transformational component has undergone drastic changes in the last decade, and some investigators have proposed that transformations be eliminated entirely.

This course will focus on these three issues: (1) A comparison of various versions of the \bar{X} theory and categorial grammar, (2) Chomsky's most recent proposals about governance and binding, and (3) Gazdar's proposal that transformations should be discarded.

The course is intended for students with some prior experience in linguistics. It will meet twice a week for 1½ hours each time, with perhaps extra workshop sessions if the students wish. Enrollment is limited to 15, with permission of the instructor.

LC 215 THE TECHNIQUES OF TELEVISION NEWS - Richard Muller and Michael Chapman* (new course)

Students at Hampshire are often frustrated by lack of information about important campus issues. As in the world outside the campus, this can lead to false assumptions, misinformation, and missed opportunities for action.

The participants in this course will attempt to do something constructive about this by producing a 15-minute weekly program of campus news over the campus closed-circuit television system, INTRAN. We will use established newsgathering and reporting techniques, modified as we see fit, to report on issues and events within the community. The hope is to inform campus residents on current problems and people within the community. We will also set aside time to discuss our journalistic goals, values and methods with guest participants from Hampshire and the larger community of journalists.

Students will be evaluated on their participation in class discussion and critiques and on their produced news pieces. This course might be taken in conjunction with LC 174 and LC 257, and by those concentrating in journalism, communications, or other aspects of media study. The class will meet Tuesdays and Thursdays from 1:00-3:00 and on Wednesday evenings, with additional times to be arranged. Enrollment is limited to 16, with permission of the instructor.

* Michael Chapman is a Division II student.

LC 216 THE MEDIA AND THE MAKING OF THE PRESIDENT, 1980 - Rodney Carveth (new course)

Have issues given way to image as the determining factor for a political candidate's success? Are the mass media, especially television, responsible for such a shift? This course will examine the extent of mass media's impact on American politics, with a focus on the 1980 local, state, and Presidential elections. Topics such as the impact of televised debates, news coverage of political campaigns, and the creation of media events are among those discussed.

The texts for the course include White's The Making of the President, 1972, Greenfield's Playing to Win and McClure and Patterson's The Unseeing Eye. Film and videotape presentations will also be included. Students are expected to conduct a research project dealing with a current political campaign. Projects will be discussed throughout the course in relation to the class materials. The class will meet twice a week for 1½ hours each session. Enrollment is open.

SCHOOL OF NATURAL SCIENCE

NS 108 WATER: A THREATENED RESOURCE - Keith O'Brien and Sarah Walen (new course)

The awareness of water as a vanishing resource has been heightened by recent recognition of such problems as chemical dumping grounds scattered throughout New England. We will be investigating the occurrence of water in natural and man-made environments. Field studies of such environments and their threats to the quality and quantity of this vital resource will facilitate an understanding of the basic concepts of hydrogeology. Existing research projects concerning the augmentation of groundwater resources in Massachusetts are possible field studies include the impact of sanitary landfills, nuclear waste disposal sites, housing developments, industrial complexes, different geologic land forms and bedrock lithology on the occurrence and quality of the water supply. Class and individual research projects, as well as input into class discussion, will be the major criteria for evaluation.

Enrollment limited to 12 with instructor permission required. This course is a prerequisite for a more advanced hydrology course in the spring. Class will meet for 1½ hours twice a week, plus a three-hour lab.

NS 137 BIOPOLITICS - Michael Gross (revision)

Add to course description: "the topics to be treated in the Fall Term are: race and intelligence, population and scarcity, psychosurgery, homosexuality, and sociobiology."

NS 147 NATURAL HABITATS OF NEW ENGLAND - Charlene Van Raalte (revision)

Ralph Lutts will not be co-teaching.

NS 149 TOPICS IN AGRICULTURE - Paul Slater (cancelled)

NS 150 PHYSIOLOGICAL BASIS OF AGRICULTURE - Susan Goldhor, Charlene Van Raalte, and Ray Coppinger (revision)

Substitute Ray Coppinger for Paul Slater.

NS 215 AMERICAN ENVIRONMENTAL HISTORY - Ralph Lutts (revision)

IN 333 "Class will meet once a week on Tuesdays from 1-3 p.m. NOTE that this is a change of day and time.

NS 222 INTERPRETATIVE NATURAL HISTORY - Ralph Lutts (cancelled)
OP 222

NS 281 BOOK SEMINAR IN PHYSICS - Herbert Bernstein (revision)

This seminar is intended for students concentrating in physics and for those in other areas who wish to do advanced work in physics. Each semester the class reads, discusses, and solves problems from an upper level undergraduate physics text in one of the following subjects: mechanics, electrodynamics, thermal physics, quantum theory, optics, acoustics, fluid mechanics, or general relativity. The choice of book and subject matter will be made by the students themselves. This semester we have selected general relativity. Students who

have not taken one year of Basic Physics or the equivalent should not take this course. Students from other Five College institutions are welcome.

The course will meet twice a week for a total of 3-5 hours.

NS 283 BASIC PHYSICS II - Janet Van Blerkom, Herbert Bernstein (revision)

Kurt Gordon will not be co-teaching.

NS 284 INDEPENDENT INTERMEDIATE PHYSICS LABORATORY - E. Hafner, H. Bernstein, and J. Van Blerkom (new course)

A few students with special projects of their choice may work in the physics laboratory under the supervision of one of the above faculty members. The sub-fields of physics will be divided among the three faculty, by prearrangement, so students may come to any of us, and be directed to the correct supervisor. Professor Hafner will also be developing computer-based instructional material for physics courses. No previous experience is required.

Time to be arranged with instructors.

NS 286 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 - S. Goldberg, M. Gross, and R. Rinard (revision)

Ralph Lutts will not be co-teaching.

NS 295 HITCHCOCK CENTER PRACTICUM IN ENVIRONMENTAL EDUCATION - Merle Bruno, Bill Nestor*, Hitchcock Center Staff (new course)

The Hitchcock Center for the Environment can provide a variety of opportunities for students who wish to gain teaching experience in environmental education. More detailed descriptions of these opportunities follow below. If you wish to participate in the Center's program, call Bill Nestor (256-6006) for an interview. Students who are accepted will be required to prepare a learning contract. The interviews should be conducted before you register for the course. Five College students must also be interviewed before they register and will be graded on a pass/fail basis. Register for either NS 295A or NS 295B.

NS 295A INTEGRATED ENVIRONMENTAL CURRICULUM

This is a program of activity-oriented field trips to local conservation areas that are conducted for Amherst area elementary schools. The program will give you an opportunity to work with children, become familiar with environmental education resources and methods, and gain some background in natural history. No previous experience is necessary. Participation requires a minimum of about 8 hours per week. This includes a Monday afternoon preparatory workshop, and assisting with the trips on either Wednesday or Thursday, 9:00 am - 1:00 pm. If you wish to become involved more deeply, you may arrange to participate in the classroom presentations which are conducted before and after each trip.

NS 295B INDIVIDUAL PROJECT

The Center can provide a variety of learning opportunities on the Division II

* Bill Nestor is Executive Director of the Hitchcock Center.

and III levels for students with commitment to and experience in environmental education. These range from teaching on a "one-shot" basis to full internships. Speak with Merle Bruno and the Center staff about your ideas. As an example of one kind of possibility, students with teaching experience who wish to develop and teach an educational unit may make arrangements with the Center to do so in the Amherst area schools. The Center can provide entry into the schools by publicizing your teaching unit and matching you with a teacher who needs your services. The Center can also provide some help in improving your teaching methods, and the supervision necessary to insure a presentation of high quality (a matter of great concern to the Center). You must have the experience and ability necessary to undertake an independent project.

NS 296 TRAILSIDE MUSEUM PRACTICUM IN ENVIRONMENTAL EDUCATION - Ralph Lutts*

The Blue Hills Trailside Museum in Milton, Massachusetts, is the environmental interpretive center for the Blue Hills Reservation, a 5700 acre natural area located south of Boston. The Museum's program includes exhibits, live animals, nature trails, and a series of activities conducted for school groups and the general public. It can provide a variety of opportunities on the Division II and III levels for students with experience in environmental studies, environmental education, and museum studies to further develop their knowledge and skills. The opportunities include full-time internships, exhibit planning, curriculum development, and teaching at the Museum. The specific project will be negotiated according to your needs and abilities and those of the Museum.

Prospective students must be interviewed by the instructor and should be prepared to travel to Milton as necessary. Contact the instructor at Hampshire College and after September 10 at the Trailside Museum as well. Five College students will be graded on a pass/fail basis.

*Ralph Lutts is both a member of Hampshire's faculty and Director of the Blue Hills Trailside Museum.

SCHOOL OF SOCIAL SCIENCE

SS 110 THE SOCIOLOGY OF THE BLACK FAMILY - Douglas Davidson (new course)

Rationale and objectives: There has been no other aspect of black life in America which has been more distorted, misinterpreted, and misrepresented than the black family. It has been characterized by social science theorists and researchers as deviant, disorganized, and, ultimately, as a "tangle of pathology." It has also been designated as the primary cause of black's inability to be successful in their efforts to break into the great American "mainstream." It has been and continues to be a major focus of social welfare programs and policies. While most of these programs were developed with the intention of "strengthening" the black family (i.e., forcing black families to adopt their "normative" American model and values), they have had the opposite effect. That is, they have proven to be another set of obstacles black families have had to adjust to in their struggles for survival in a hostile, alien environment.

This course will operate from the perspective that the black family is "alive and well" in spite of systematic attempts to destroy and/or modify it. It will

demonstrate further that black families have exhibited a remarkable resilience and determination in their struggles for survival. As the course proceeds, it will become apparent that many of the so-called deviant aspects of black family life represent adjustments to an essentially deviant and racist system. For as one critically examines the historical and contemporary forces impinging upon oppressed black families, one can only conclude that it is a miracle that black family life is as healthy, vibrant, and stable as it is today.

Class meets for 1½ hours twice a week. Enrollment is limited to 25, first come, first served.

SS 111 THE CONCEPT OF CHILD-CENTEREDNESS IN 20TH CENTURY AMERICAN CHILD DEVELOPMENT LITERATURE - Christine Shea (new offering)

This course is designed to both initiate the student into the use of tools of historical analysis as well as to provide an opportunity to examine intensively the basic ideas that have tended to give form and purpose to child-centered thought and practice in 20th century America. At the beginning of the course an attempt will be made to achieve an historical understanding and critical evaluation of the work of some of the most significant child-centered theorists, including Rousseau, G. Stanley Hall, John Dewey, Margaret Naumberg, Erik Erikson, and A. S. Neill. Emphasis will be placed on familiarizing students with Jungian, neo-Freudian, and 20th century liberal thought. Selected primary source material, from a wide variety of other influential figures in the "child-centered" movement will also be available to the seminar for individual research projects and group discussions. Central to this part of the course will be some archival work at the Clark University Archives in Worcester, Massachusetts, on the papers of G. Stanley Hall (commonly referred to as "the founder of the American child study movement" and "the father of American child psychology"). Using the data gleaned from the archival materials and primary source readings, the development of the child-centered tradition in America will be considered within the context of expansion and change in the 20th century American political economy. The last part of the course will be devoted to a consideration of seminar participants' research papers. These will be related to the main theme of the course.

Enrollment is limited to 16; first come, first served. Class meets for 1½ hours twice a week.

SS 113 PROBLEMS IN URBAN POLITICAL ECONOMY - Lloyd Hogan (revision)

Douglas Davidson will teach the course in addition to Lloyd Hogan.

SS 131 AFRICAN WOMEN: AN HISTORICAL PERSPECTIVE - E. Frances White (new course)

Western feminists have recently "discovered" African women. Some have come to the subject as Africanists, motivated by their own, personal feminism. Others have come as scholars or activists seeking to broaden their international perspectives. As outsiders, we are faced with the problems not only of sexual stereotyping, but also of cultural bias. In this course we will struggle to go beyond an ethnocentric view of African women and come to an understanding of the evolution of African women both in the context of African culture and in a comparative, international perspective.

The course will have an historical bias as we study the changing roles of African women in three main stages: precolonial, colonial, and independent Africa. Particular attention will be given to the role of women in trade.

Readings will include historical and anthropological works, such as those found in Hafkin and Bay, Women in Africa, and literary works, such as Semebene's God's Bits of Wood.

Enrollment is limited to 20; first come, first served. Class meets for 1½ hours twice a week.

SS 152 ECONOMIC DEMOCRACY: ITS NATURE AND PRACTICE. WHAT A FULLY DEMOCRATIC SOCIETY MIGHT LOOK LIKE - George Benello (cancelled)

Replaced by SS 261.

SS 159 EXPERIENCING THE BIG CITY - Myrna Breitbart and Robert Rakoff (revised description)

This is a course on understanding and appreciating the everyday experience of living in a big city. While we will pay some attention to the theoretical literature on urban life, our main concern will be to reconstruct through many media the feeling and special meaning of everyday life in the city. And, while we may seek to generalize about urban life as such, our focus will be on an in-depth description and analysis of life in great American cities as experienced differentially by people of various classes, races, sexes, ages, and ethnic backgrounds. Through fiction, poetry, journalism, film, television, radio, music, and even social science (at least the gentle kind like ethnography and oral history) we will seek to plumb the depths of people's experiences in and of various urban settings.

In the first part of the course, we will consider some contrasting theoretical interpretations of the urban experience. The major part of the course, however, will be organized around student presentations. Early in the semester students will be asked to form groups to investigate one of the following aspects of varied interpretive approaches listed above as possible: work, recreation and play, community and neighborhood, fear and power (crime, danger, politics), and sensual experiences (sights, smells, tastes, sounds). As a Division I course ample opportunities will be provided for developing research and writing skills. Completion of assigned papers and participation in a group project will be expected for evaluation.

Enrollment limited to 16; first come, first served. Class will meet for 1½ hours twice a week.

SS 211 HIGH SCHOOLS, U.S.A. - Christine Shea (new course)

"We speak today of changes--desirable or necessary--in the high schools of the land. Gentlemen, I invite you to consider with me the case of the triumphant Slob...The Slob, or more importantly, the whole institution of Slobbism, is the mortal adversary of Education...The paradox lies in the fact that he is also the product of Education. A dozen years ago, he was in our kindergartens. He went on our field trips to the bakery, and danced around ribboned poles at our May Festivals. Only yesterday, he was studying "social living" in our junior high schools. He has been tested and guided and motivated. It has cost the taxpayers over a decade or so, several thousands of dollars to produce a Slob. It hardly seems worth it, does it?"--Max Rafferty, California State Superintendent of Instruction, "Cult of the Slob," 1958.

The purpose of this course is to develop a systematic historical analysis of the American high school within the context of expansion and change in the American political economy. As such, the course is designed to familiarize the student with the thought of the leading American educators concerning the purpose and function of the American high school and to utilize historical documents and

community studies that give a sense of the changing structure and culture of high school social life. Class discussions and readings will focus on an attempt to generate hypotheses about and to develop adequate explanations about the dynamics or causes of the changing relationships between the three institutions of work, family, culture, and the American high school

Enrollment is open. Class meets for 1½ hours twice a week.

SS 215 THE AFRICAN DIASPORA IN THE NEW WORLD - E. Frances White (new course)

The recent book title, Old Roots in New Lands, aptly sums up the central focus of this course, for it will be an exploration into the development of Afro-American cultures throughout the New World. To begin this exploration, we will examine the African cultures as they stood on the threshold of the Atlantic slave trade. This background will introduce us to the cultural "baggage" transported to the Americas through the Middle Passage.

The relative importance of African retentions in Afro-American culture has engendered one of the most hotly contested debates in Afro-American historiography. Thus, in the second stage of this exploration, we will study the theoretical works that discuss the impact of the New World on the displaced Africans. Readings will include the works of Franklin Knight, Melville Herskovits, Sidney Mintz and Richard Price.

Third, limiting ourselves to the slave era, we compare various Afro-American cultures (such as those found in Cuba and Brazil, the U.S. and Colombia). Our discussions will include the development of the slave family, the position of free blacks and the place of religion. Since we cannot cover the entirety of Afro-America, students will choose areas for in-depth study to share with the class.

Finally, we will use our informed opinions to re-examine the debates over the evolution of Afro-American cultures and the process of creolization.

Enrollment is open. Class meets for 1½ hours twice a week.

SS 242 NOBLES, SAVAGES AND CANNIBALS: THE WESTERN VIEW OF THE REST OF THE WORLD -
HA 242 Edmundo Desnoes (new course)

See course description under School of Humanities and Arts (page 3)

SS 245 UNDERSTANDING NON-PROFIT ORGANIZATIONS - Richard Alpert (new course)

While a manufacturing and production-oriented economy characterized the first half of the 20th century, the second half of the century has been marked by the phenomenal growth of the "non-profit" sector. This sector is a central element in the economy and in defining American democracy. Non-profit institutions include colleges, museums, churches, hospitals, foundations, government and symphony orchestras. What is the character of these organizations? How do they differ from profit-making organizations? How are they managed? How do they adapt to changes in their environment?

This course has two objectives: to identify and analyze literature that will explain how these institutions function and how they are managed; and the development of case material on critical policy decisions in selected non-profit organizations. Students will read material such as Peter Drucker's Management, Robert Presthus' The Organizational Society, and Kenneth Andrews' The Concept of Strategy; and will develop new case material on key policy decisions in selected non-profit organizations.

Class will meet for two hours once a week. Enrollment is unlimited; by permission of the instructor.

- SS 261 ECONOMIC DEMOCRACY: ITS NATURE AND PRACTICE. WHAT A FULLY DEMOCRATIC SOCIETY MIGHT LOOK LIKE - George Benello (revision)

This course will study economic democracy on two levels: a content level and a process level. Initial sessions will be spent on self-organizing. After a course format is decided on, 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-gaming experiments, and subgroup projects. Class meets for 1½ hours twice a week. Enrollment is open.

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

Kay Johnson will also co-teach this course.

- SS 283 RESPONDING TO THE WAR AT HOME, OR CALLING THE WOMEN'S MOVEMENT TO TASK(S) - Lisa Gaughran* (Margaret Cerullo, faculty supervisor) (new course)

Our primary objective in this course is to come to a clearer articulation of our position as feminists in a struggle that challenges racism and capitalism as well as sexism. Along with reading and discussion in class, members will be encouraged to form discussion groups and to participate in collective writing projects.

Focusing on the rise of the contemporary feminist movement (born out of the civil rights movement) we will examine the historic relationship of feminism to black liberation in this country. What have been the analyses of race in various stages and factions of the women's movement? How did feminism emerge in the mid-60s, and what is the history behind the racism that narrows the vision of the women's movement today? We will also be reading some material specifically on the dynamics of racism and recent feminist writings on racism and the politics of difference.

Enrollment unlimited; by interview with the instructor. Some background in feminism is preferred. Class meets twice weekly, one 1½-hour session and one 2-hour evening session.

* Hampshire Division III student.

DIVISION III INTEGRATIVE SEMINARS

- IN 332 SEMINAR IN THE POLITICAL ECONOMY OF RACISM - Lloyd Hogan (revision)

Douglas Davidson will teach the course in addition to Lloyd Hogan

- IN 333 ART AS SYMBOL - Jan Swafford (new course)

This integrative seminar uses the speculations of philosophy, psychology, comparative mythology, and literary criticism to examine the meaning of symbols in the arts and in our lives. Ultimately, we will hope to gain some insight into what makes us the unique, imaginative, and inefficient creatures we are;

and in the process we will discover that the symbols lurking in our consciousness are far more pervasive than long cylinders and white cetaceans.

Readings will be extensive and required, and will include Suzanne Langer, C.G. Jung, Joseph Campbell, Robert Graves, and various works of fiction. The class will meet twice weekly for one-hour sessions.

 DIVISION I PROSEMINARS

 NS 158 EVER SINCE DARWIN - Lynn Miller (new course)

"Getting tired of being human is a very human habit."-- R. Dubois. In the last few years a number of authors have attempted to reduce human history to genetic principles or biologically fixed sexual differences in human behavior, which keeps men and women in groups. These simplistic arguments were invented over one hundred years ago by those who misread or misinterpreted Darwin's ideas. We will read and discuss a small sample of the literature of the past 120 years on the explanations of the behavior of *Homo sapiens* to think about the arguments. Students are expected to write three short essays or one extended essay during the term for an evaluation.

Class will meet twice a week for 1½ to 2 hours.

 OUTDOORS PROGRAM

 OP 110 BICYCLE TOURING/BICYCLE MAINTENANCE - Steve Anderson and Andrea Ayvazian (new)

This class is for those who have never toured and for those with experience who would like to explore the Hampshire environs by energy-efficient, non-polluting transportation. Safety on the road will be emphasized. Rainy days will be devoted to learning basic bicycle maintenance and repair. A class project we may undertake is the production of a bicyclist's guide to the area.

Class meets Thursdays from 1:00 - 4:00 and is limited to 10. Sign up at the OP office.

 OP 141 PEDDLE, PADDLE, CLIMB - Staff (revision)

NOTE: Change in instructors.

 OP 218 OUTDOOR EDUCATION AND LEADERSHIP: AN OVERVIEW - Bob Garmirian (revision)

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 educators. Topics will include teaching skills, group leadership, ethical and legal considerations, the administrative nightmare, natural history, and program evaluation. Students will be expected to participate in discussions and activities, maintain a journal and co-lead a trip that is appropriate to their interests and skills. A series of skills modules will be offered in addition to the weekly meeting. This course is strongly recommended for prospective precollege trip leaders. This course is a prerequisite for co-leading a January Term or spring break trip.

Class meets Tuesdays from 10:30 am to 1:00 pm. Enrollment is limited to 12. Sign up at the OP office. Permission of the instructors necessary.

NOTE: Andrea Ayvazian and Steve Anderson will co-teach.

OP 222 INTERPRETIVE NATURAL HISTORY - Ralph Lutts (cancelled)

OP 256 WOMEN AND NATURE SEMINAR - Judy Greenberg and Jane Murphy (cancelled)
HA 256

OP 257 PERU TRIP STUDY GROUP - Judy Greenberg (cancelled)

RECREATIONAL ATHLETICS

RA 115 KAYAK ROLLING AND POOL KAYAKING - Becky Judd (revision)

In addition to class time, the pool will remain open for forty-five minutes after class for those wishing to practice their rolls.

RA 116 BEGINNING WHITEWATER KAYAKING - Becky Judd (revision)

Class will meet Tuesday 1-6 pm for river trips, and Thursdays 10:30 to noon for pool sessions. NOTE: this is a change in time.

RA 117 NOVICE WHITEWATER KAYAKING - Becky Judd (revision)

For people who have had some whitewater experience. Eskimo Roll is not a prerequisite. Easy, low-key rivers will be run providing opportunities to practice basic whitewater skills. This is a class for those who have completed the beginners class (RA 116) or who haven't been paddling recently and would like to brush up on their skills.

Class will meet from 1:00 - 6:00 pm on Thursdays until November 6.

RA 118 IYENGAR YOGA - Jyoti Hansa (revision)

Class meets Monday 12:30-2:00 pm in the South Lounge of the Crown Center.
NOTE: This is a change in time.

RA 120 IMPROVISATIONAL BODY MOVEMENT - Merlyn Cajolet (revision)

Class will meet Fridays 10:00 to noon. NOTE: this is a change in class meeting time.

RA 121 BOAT BUILDING CLINIC - Becky Judd (new offering)

The fine art of fiberglass boatbuilding techniques will be taught in this mini-course. The best resin systems, cloth lay ups, proper patching and repairs, desirable strength to weight ratios will be covered.

The first clinic will be held on a weekend in late September. Check the Robert Crown Center for details.

RA 122 THE RIO GRANDE: A STUDY AND PADDLING ADVENTURE - Becky Judd (new offering)

For 2½ weeks in January we paddle through the deep, picturesque canyons of the river that forms the boundary between Texas and Mexico. People are encouraged to commence a project that may be researched in this unique desert wilderness. No previous kayak experience necessary.

The class meets on Tuesday, October 21, at 6:30 pm at the Robert Crown Center pool to begin orientation, planning, logistics, etc. Pool sessions will continue in November and December on Tuesdays 3:00 - 4:00 pm.

RA 123 VIDEOTAPING AND KAYAK STROKE ANALYSIS - Becky Judd (new offering)

The first few sessions will be devoted to learning effective use of the videotape apparatus. Application of the skill will involve taping the execution of specific kayak strokes, paddle board work and slalom gate configurations.

Class meets on Tuesdays 10:30 to noon, beginning November 4.

SPECIAL PROGRAMS

NEW ENGLAND FARM CENTER

The New England Farm Center is a working sheep farm and an agricultural research station. Located on two hundred acres of land adjacent to campus, it includes pastures, a barn and a farm house. Offices are in the farm house which is the next house down from Thorpe and easily accessible to students.

The Farm's goals are twofold: to teach agriculture within the liberal arts setting of Hampshire and the Five College community; and to revitalize agriculture in New England enabling farmers to stay on their land, making farming more energy efficient, and increasing New England's production of food, fiber and fuel.

The Farm Center is presently engaged in three primary projects. The first is breeding and testing imported livestock guarding dogs from Europe and Asia Minor as a humane and ecologically sound means of predator control. The second is research on the use of alder as an alternative source of fodder. Alders are interesting because they are fast-growing, shrubby trees which are palatable to sheep, high in protein, acid tolerant, perennial, and fix nitrogen. Finally, the Farm is studying various breeds of sheep, including unusual "hair" sheep, to develop a low-care flock that can survive in the forest and be part of a multiple-use system of forest management.

There are four faculty staff members down on the Farm--Susan Goldhor, director; Ray Coppinger, dog specialist; Lorna Coppinger, outreach specialist;

and John Torrey, a botanist from Harvard University who is the forage specialist. There are also a shepherd, a special research assistant for the dog research, and a small number of work-study students, some of whom are hired for the summer. Some of the resources include a small agricultural library located in the farm house, a Plato computer terminal, sheep, dogs, and extensive contact with sheep farmers. It is also affiliated with the New England Studies Program and ESAPP.

The Farm Center sponsors a small number of summer research projects stemming from work done during the school year. Student participation is encouraged and if you are interested, make appointments directly with the faculty/staff, or call Julia Freedgood, student coordinator, for general information.

RELATED COURSES: NS 147 Natural Habitats of New England; NS 150 Physiological Basis of Agriculture; NS 151, SS 129 The World Food Crisis; NS 215 American Environmental History; SS 214 Capitalism and Empire: New England and America in a Global Perspective; NS 230 The Evolution and Behavior of Domestic Animals.

NEW FACULTY BIOGRAPHIES

Andrea Ayvazian and Steve Anderson are job-sharing a full-time position as instructors in the Outdoors Program. Andrea holds an MS in Nursing, with a specialty in women's health care and bioethics. She has mountaineering experience in the western US with the National Outdoor Leadership School and on independent expeditions. Andrea's special interest is working with women in the outdoors. Steve received his MS in Resource Ecology from the University of Michigan. He has worked as an instructor for the National Outdoor Leadership School in the US and in Africa. His interests include wilderness travel, bicycle touring, environmental education, and natural resource management, particularly the management of wildlands.

George Benello, adjunct professor of sociology, holds a BA from Harvard, did graduate work at the University of Laval and Brown University, and received an MA from San Francisco State College. He has had broad experience in teaching, administration, and business. His present interests center on stimulating worker-managed enterprises such as food co-ops and self-managed agricultural endeavors and small businesses.

Rodney Carveth, visiting assistant professor of mass communications, has a BA in sociology from Yale University and an MA in communication studies from the University of Massachusetts where he is currently a doctoral candidate. His teaching experience includes courses in mass media in society and film history. His research interests are the impact of the media on the legal process, policy issues involving children's television, and media entertainment.

Douglas Davidson, visiting assistant professor of sociology, is presently completing his Ph.D. work at the University of California, Berkeley. He received his MS from the Illinois Institute of Technology and his BA from Tougaloo. He has taught at the University of Massachusetts and Boston and Amherst Colleges in the areas of colonialism and the black experience; sociology of the black family; social class and/in the black community; race and ethnic relations.

Michael Flynn, visiting assistant professor of linguistics, has a BA in English literature from the University of Notre Dame and is completing his Ph.D. in linguistics at the University of Massachusetts. He has taught at the University of New Hampshire and Reed College. His primary research interests include the syntax and semantics of natural language, linguistics and psychology, literary stylistics, and philosophy of science.

Alice Ambrose Lazerowitz, visiting professor of philosophy, was Sophia and Austin Smith professor of philosophy at Smith College until her retirement in 1972. She holds Ph. D. degrees from the University of Wisconsin in philosophy and from Cambridge University in the foundations of mathematics. At Cambridge she was a student of Ludwig Wittgenstein, and she was among those to whom he distributed The Blue and Brown Books. Her many publications include Essays in Analysis and, with her spouse, Morris, Ludwig Wittgenstein: Philosophy and Language, Fundamentals of Symbolic Logic, and Logic: The Theory of Formal Inference.

Morris Lazerowitz, visiting professor of philosophy, was Sophia and Austin Smith professor of philosophy at Smith College until his retirement in 1973. He holds a Ph.D. from the University of Michigan, and he did post-doctoral work at Harvard and at Cambridge University where he worked with G.E. Moore. His many publications in-

clude The Structure of Metaphysics, Philosophy and Illusion, The Language of Philosophy: Studies in Freud and Wittgenstein and, with his spouse Alice, Philosophical Theories and G.E. Moore: Essays in Retrospect.

Sarah Walen and Keith O'Brien are faculty associates in geology. They are graduate students at the University of Massachusetts with expertise in hydrology.

E. Frances White, assistant professor of history and black studies, received her BA from Wheaton College and Ph.D. from Boston University. She has taught at Fourah Bay College (Sierra Leone) and Temple University. Her interests include African women and Afro-American and Caribbean social history.

Mary Young, adjunct assistant professor of journalism, is currently staff writer for the Valley Advocate and a freelance contributor to other newspapers and magazines. Since receiving her BA from Case Western Reserve University in 1972, she has taught secondary school English and has conducted classes and workshops in journalistic interviewing at Mount Holyoke College and the University of Massachusetts.

SCHOOL OF HUMANITIES AND ARTS

<u>COURSE</u>	<u>INSTRUCTOR</u>	<u>METHOD</u>	<u>LIMIT</u>	<u>TIME</u>	<u>PLACE</u>
HA 101	R. Superior	1st come	10	MW 1030-12	ARB
HA 102	J. Swafford	Open	None	MW 1030-12	MDV Class
HA 103	J. Jenkins/S. Neels	InstPer	12	TTh 1-3	Div IV
HA 106	J. Jenkins	InstPer	10	TTh 1030-1230	Div IV
HA 109	D. Weier	1st come	15	W 1030-130	ARB
HA 110	A. Ravett	InstPer	15	W 9-1230	PFB
HA 111	W. Kramer	1st come	15	TTh 1030-1230	EDH 16
HA 1/214	N. Payne	InstPer	15	T 9-12	Kiva
HA 115	J. Esterson	1st come	20	TBA	
HA 118	D. Smith, etal	ProSem	16	MW 830-10	Blair
HA 121	R. Meagher	ProSem	None	MW 11-1	CSC 114
HA 122	D. Aronson	InstPer	14	T 3-5;F 1030-1230	EDH 4
HA 1/223	L/G Gordon	InstPer	16	TTh 1030-1230	DH Masters
HA 1/226	F. McClellan	Open	None	MW 9-1030	MDV Dance
HA 1/227	D. Cohen	InstPer	16	MW 1030-12	Div IV
HA 129	S. Neels	InstPer	20	MW 3-430	TBA
	S. Neels	InstPer	20	MW 1-230	Div IV
	S. Neels	InstPer	16	T 130-3	EDH 15
HA1/231a	A. Salkey	InstPer	16	T 130-3	EDH 15
HA 134a	F. Smith	1st come	25	MWF 830-930	FPH 108
HA 134b	F. Smith	ProSem	25	TTh 830-930	FPH 108
HA 140	J. Murray	instPer	12	TTh 1030-12	ARB
HA 145	N. Juster/E. Pope	Lottery	12	MTh 930-12	CSC 3 fl
HA 150a	J. Liebling	InstPer	15	MW 1030-1230	PFB
HA 150b	E. Mayes	InstPer	15	MW 1-3	PFB
HA 161	CANCELLED				
HA 1/263	A. Salkey	InstPer	16	Th 130-3	EDH 15
HA 169	L.B. Kennedy	ProSem	18	T 9-1030; Th 815-1030	CSC 126
HA 178	CANCELLED				
HA 180	J. Hubbs	1st come	16	TTh 1030-12	Blair
HA 207	J. Murray	InstPer	15	T 1230-3	ARB
HA 209	D. Smith/B. Yngvesson	Open	None	MW 1-3	Blair
HA 210	J. Liebling	InstPer	15	T 1-5	PFB
HA 213	F. McClellan	InstPer	15	TTh 1-3	MDV Dance
HA 219	CANCELLED				
HA 225	E. Mayes	InstPer	12	TBA	PFB
HA 230	M. Russo	InstPer	None	TBA	
HA 231b	B. Goldensohn	InstPer	12	MW 1030-12	FPH 108
HA 234	R. Meagher	Open	None	MW 9-1030	EDH 17
HA 236	R. Lyon	Open	None	TTh 1030-12	FPH 108
HA 242	E. Desnoes	Open	None	TTh 9-1030	FPH ELH
HA 244	C. Frye	1st come	18	W 1030-1230	EH Masters
HA 246	J. Matlack	1st come	20	TTh 1030-12	EDH 15

SCHOOL OF HUMANITIES AND ARTS, Continued

<u>COURSE</u>	<u>INSTRUCTOR</u>	<u>METHOD</u>	<u>LIMIT</u>	<u>TIME</u>	<u>PLACE</u>	
HA 248	Int Scene Study	J. Jenkins	InstPer	12	MW 1-3	Div IV
HA 250	Modern Drama Reality	C. Hubbs	1st come	16-Div II	TTh 1030-12	PH A-1
HA 251	Hegel I	R.K. Bradt	Open	None	TTh 12-130	PH B-1
HA 253	Afro Amer Chamber	R. Copeland	Audition	None	See course description	
HA 256	Women in Nature	CANCELLED				
HA 258	Heidegger	R.K. Bradt	Open	None	TTh 130-3	PH B-1
HA 259	From This Moment ON	S. Neels	InstPer	20	MTWTh 1030-1215	TBA
HA 260	20th Cent Poetry	L. Goldensohn	Open	None	W 1-4	EDH 15
HA 269	Origins-Romanticism	J. Hubbs	1st come	20	TTh 1-3	Blair
HA 270	Electronic Music Comp I	J. Swafford	InstPer	7	MW 1-3	FPH 101
HA 273	Probs Env Design	N. Juster/E. Pope	InstPer	10	Th 130-330	CSC 3 fl
HA 277	Creative Art Improv	R. Copeland	Open	None	See course description	
HA 280	Studio Art Critique	R. Superior	1st come	15-Div II	W 130-430	ARB
HA 284	Creative Music	R. Wiggins	InstPer	15	MW 3-5	MDB Class
HA 286	Creative Music Adv	R. Wiggins	InstPer	15	TTh 1-3	MDB Class
HA 289	Shakespeare & Woolf	L.B. Kennedy	1st come	25	TTh 1-230	FPH 102
HA 297	Hist Film/Photo	A. Ravett	Open	None	T 9-1230	PFB
HA 299	Playwrights' Workshop	D. Cohen	InstPer	12	W 1-4	Kiva
	HC Chorus	A. Kearns			TTh 4-6 pm	MDB

SCHOOL OF LANGUAGE AND COMMUNICATION

FL 101	French I	E. Leete	1st come	15	TTh 1030-12	EDH 17
FL 102	Spanish I	A. Nieto	1st come	16	TTh 1-3 Wpm & TBA	TV Class
LC 102	Philo Affirmative Action	J. Garfield	InstPer	20	MW 1-3	PHY 103
LC 104	Traffic Cop Airways	J. Miller	InstPer	15	TTh 1030-12	FPH 106
LC 105	Chirdren's Drawings	D. Knapp	Lottery	20	TTh 1-230	EDH 16
LC 108	Understanding TV	R. Muller/D. Epstein	ProSem	16	MW 1030-12, W 1-5	TV Class
LC 111	Innateness	M. Flynn	1st come	15	TTh 1030-12	PH D-1
LC 147	Conversation Analysis	J. Tallman	Open	None	TTh 830-1030	EDH 17
LC 152	Culture and Thought	M. Gearhart	ProSem	20	MW 3-5	FPH 107
LC 174	Research Reporters	D. Kerr	Lottery	16	MW 9-1030	FPH 107
LC 177	Language & Literature	J. Gee/D. Berkman	ProSem	20	TTh 1-3	FPH 104
LC 187	Psych of Human Intell	N. Stillings	ProSem	20	TTh 1-3	FPH 105
LC 191	Perception & Knowledge	C. Witherspoon	Lottery	12	WF 1030-12	CSC 126
LC 193	Computer Programming	A. Hanson	1st come	30	TTh 1-3	FPH MLH
LC 195	ASL & Structure	J. Shepard-Kegl	InstPer	25	MW 1030-12	FPH 104

SCHOOL OF LANGUAGE AND COMMUNICATION, Continued

COURSE		INSTRUCTOR	METHOD	LIMIT	TIME	PLACE
LC 202	Computational Models	A. Hanson	InstPer	15	TTh 1030-12	FPH 103
LC 204	Lang/Myth/Feminine Consc	J. Tallman	InstPer	20	MW 1-3	EDH 17
LC 206	Strings/Trees/Langs	W. Marsh	Open	None	MW 1030-1130; F 1030-1230	FPH 102
LC 208	Philo of Psychology	J. Garfield	1st come	None	W 1-4	CSC 126
LC 210	Scepticism	C. Witherspoon	Open	None	W 1-4	CSC 126
LC 211	Mass Entertainment	R. Carveth	InstPer	20	MW 1030-12	FPH ELH
LC 213	Topics In Linguistic Th	M. Flynn	InstPer	15	MW 130-3	PH D-1
LC 215	Techniques TV News	R. Muller/M. Chapman	InstPer	16	TTh 1-3, Wpm, TBA	TV Class
LC 216	Media & President 1980	R. Carveth	Open	None	MW 1-230	FPH ELH
LC 226	Theory of Language	J. Gee, et al	1st come	20	MTWTh 9-1030	FPH 104
LC 240	Child Language Devel	D. Knapp	Lottery	20	MW 3-430	FPH 104
LC 243	Computers in Lab	Al Woodhull/A. Hanson	1st come	20	TTh 1-3	CSC 3rd fl
LC 253	Media & Energy Consvr	R. Muller/P. Meyers	InstPer	16	M 1-5, F 1030-12	TV Class
LC 257	Objectivity & News	R. Lyon	Open	None	MWF 12-1	FPH 108
LC 264	Social Interaction-Class	M.Gearhart	InstPer	15	TTh 1-3	FPH 107

SCHOOL OF NATURAL SCIENCE

24.	NS 101	Extraterr Intell	K. Gordon	Open	None	MW 130-3	FPH 102
	NS 107	Evolution of Earth	J. Reid	1st come	20	TTh 1030-12	EDH 4
	NS 108	Water	K. O'Brien/S. Walen	InstPer	12	MW 1030-12	CSC 2nd fl
	NS 114	Acid Rain	L. Williams	ProSem	15	MW 9-1030	CSC 126
	*NS 117	Tropic Marine Bio	C. Van Raalte, etal	Open	None	See course description	
	HUMAN BIOLOGY (*All Sections Include CPC/Lab)						
	NS 121a	HB- Learn to Live	J. Foster	ProSem	16	TTh 130-3	FPH 106
	NS 121b	HB-Human Move Physio	Ann Woodhull	ProSem	16	TTh 130-3	PH D-1
	NS 121c	HB-Male/Female Repro	N. Goddard	Open	None	TTh 130-3	CSC 2nd fl
	NS 121d	HB-Human Eye	M. Bruno	InstPer	16	TTh 130-3	EDH 17
		*CPC	-	-	-	W 3-5	FPH WLH
		*Lab	-	-	-	M 1-5	Lab
	NS 137	Biopolitics	M. Gross	Open	None	TTh 1030-12	PH B-1
	NS 147	Natural Habitats-N.E.	C Van Raalte	ProSem	15	WF 130-5	CSC 2nd fl
	NS 149	Topics in Agriculture	CANCELLED				
	*NS 150	Physiological Agriculture	S. Goldhor, etal	Open	None	TTh 130-3	Farm Cent
	NS 151	World Food Crisis	R. Coppinger/F. Holmquist	Open	None	MW 130-3	FPH WLH
	NS 158	Darwin	L. Miller	ProSem	16	WF 9-1030	FPH 105
	NS 162	Exp Design/Qaant Think	M. Sutherland	Open	None	WF 130-3	FPH 107
	NS 167	Energy Conserv Home	M. Bruno/L. Williams	1st come	30	MW 1030-12, F 130-430	EDH 4
	NS 182	Conserv Natural Resource	A. Westing	1st come	20	MW 9-1030	CSC 114

SCHOOL OF NATURAL SCIENCE, Continued

COURSE	INSTRUCTOR	METHOD	LIMIT	TIME	PLACE	
NS 207	Holography & Optics II	J. Van Blerkom	Prereq	None	M 1-230	CSC 3rd fl
NS 211	Organic Chemistry	N. Lowry	Open	None	MWF 1030-12/MF 1-3	EDH 15/Lab
NS 215	Amer Env History	R. Lutts	Open	None	T 1-3	CSC 114
NS 222	Interp Natural Hist	CANCELLED				
NS 230	Domestic Animals	R. Coppinger	Open	None	MW 9-1030	FPH 103
NS 243	Computers in Lab	Al Woodhull/A. Hanson	1st come	20	TTh 1-3	CSC 3rd fl
NS 247	Cell Biology	L. Miller	Open	None	TTh 1030-12/1-3	CSC 114/Lab
NS 248	Physiology-Exercise	A. Melchionda	InstPer	12	TBA	
NS 260	The Calculus	D. Kelly	Open	None	MWF 4-530+	FPH 102
NS 261	Math Scntsts/Scl Scntsts	K. Hoffman	Open	None	MWF 930-1030	FPH 102
NS 269	Modern Algebra	K. Hoffman	Open	None	TTh 1030-12	FPH 102
NS 281	BKSEM-Physics	H. Bernstein	Prereq	None	M 3-530	CSC 3rd fl
NS 283	Basic Physics II	J. Van Blerkom, etal	Prereq	None	MWF 9-1030/MT 1-4	CSC 2nd/Lab
NS 284	Ind Int Physics Lab	Hafner, et al	InstPer	TBA		
NS 286	Enterprise of Science	S. Goldberg, etal	Open	None	TTh 130-3	Red Barn
NS 295a	Practicum Environ Ed I	M. Bruno, etal	See Course Description			
NS 295b	Practicum Environ Ed I		See Course Description			
NS 296	Practicum Environ Ed II	R. Lutts	See Course Description			
ASTFC 021	Stars	G. Greenstein	Prereq	None	MW 125-320	AC/MHC
ASTFC 031	Space Science	W. Irvine	Open	None	TTh 230-345	Smith
ASTFC 037	Astronomical Obs	T. Dennis	Prereq	None	MW 230-345+	MHC
ASTFC 043	Astrophysics I	E.R. Harrison	Prereq	None	MF 125-320	UM GRC 534

SCHOOL OF SOCIAL SCIENCE

SS 105	Humanity	L. Glick	1st come	20	MF 9-1030	FPH ELH
SS 109	Perspectives-Lawyerling	O. Fowlkes	Lottery	25	MW 1030-12	FPH 107
SS 110	Soc of Black Family	D. Davidson	1st come	25	TTh 9-1030	FPH 106
SS 111	Child Centered Amer	C. Shea	1st come	16	MW 1030-12	PH A-1
SS 113	Urban Political Econ	L. Hogan/D. Davidson	1st come	20	TTh 1-230	EDH 4
SS 115	Political Justice	L. Mazor	ProSem	20	MW 9-1030	FPH WLH
SS 116	Modern China	K. Johnson	1st come	20	TTh 9-1030	FPH 107
SS 122	Social Control-Dispute	B. Yngvesson	1st come	20	MW 9-1030	FPH 106
SS 129	World Food Crisis	Coppinger/Holmquist	Open	None	MW 130-3	FPH WLH
SS 131	African Women	E.F. White	1st come	20	MW 9-1030	PH D-1
SS 132	Psychotherapy	L. Farnham	1st come	20	WF 1030-12	FPH 106
SS 140	Social Order-Here/There	R. von der Lippe	ProSem	16	MW 1030-12	PH B-1
SS 150	Attitude Change	D. Poe	1st come	25	MW 150-3	PH B-1
SS 159	Exper Big City	M. Breitbart/R. Rakoff	1st come	16	TTh 1030-12	FPH 104
SS 162	Exp Design/Quant Think	M. Sutherland	Open	None	WF 130-3	FPH 107

SCHOOL OF SOCIAL SCIENCE, Continued

COURSE		INSTRUCTOR	METHOD	LIMIT	TIME	PLACE
SS 165	History of Family	M. Slater/M. Mahoney	1st come	20	TTh 1-3	CSC 126
SS 184	American Capitalism	S. Warner	ProSem	16	TBA	
SS 202	Adult Development	L. Farnham	Open	None	WF 130-3	FPH 108
SS 206	Religion	L. Glick	Open	None	MW 130-3	FPH 105
SS 208	The Observers	D. Smith/B. Yngvesson	Open	None	MW 1-3	Blair
SS 210	Intro Economics	F. Weaver	Open	None	WF 9-1030	PH A-1
SS 211	High Schools USA	C. Shea	Open	16	MW 3-430	FPH 106
SS 212	Amer Govt/Public Policy	R. Rakoff	Open	None	MW 130-3	FPH 104
SS 214	Capitalism & Empire	M. Slater, Etal	Open	None	TTh 1030-12	FPH WLH
SS 215	African Diaspora	E.F. White	Open	None	TTh 9-1030	PH D-1
SS 217	Philo Law & Justice	L. Mazor	Open	None	TTh 9-1030	FPH WLH
SS 218	Law & SOcial Psych	O. Fowlkes/D. Poe	Open	None	TTh 1030-12	FPH 105
SS 233	Labor & Community	M. Breitbart/L. Nisonoff	Open	None	TTh 130-3	FPH WLH
SS 234	Philo Amer Education	H. Rose	Open	None	MW 1030-12	FPH 103
SS 242	Nobles Savages	E. Desnoes	Open	None	TTh 9-1030	FPH ELH
SS 245	Understanding Non-Profit	R. Alpert	InstPer	None	W 3-5	PH A-1
SS 257	African Development	M. Ford/F. Holmquist	Open	None	TTh 130-3	FPH 108
SS 261	Economic Democracy	C.G. Benello	Open	None	TTh 1030-12	FPH 107
SS 275	State & Society	C. Bengelsdorf, etal	Open	None	TTh 130-3	FPH ELH
SS 280	Women-Socialist Soc	C. Bengelsdorf/J. Landes	Open	None	TTh 1030-12	FPH ELH
		K. Johnson				
SS 283	War at Home-Women's Move	L. Gaughran/M.Cerullo	Inst. Per	None	T 9-1030/Th 7-9 pm	FPH 105

INTEGRATIVE SEMINARS

IN 330	Biochemistry	J. Foster			T 7 pm	CSC 202
IN 331	Language in Context	J. Shepard-Kegl	InstPer	12	M 2-5	FPH 108
IN 332	Political Economy-Racism	L. Hogan/D. Davidson	InstPer	20	TBA	
IN 333	Art as Symbol	J. Swafford	InstPer	12		
IN 344	Amer Env History	R. Lutts	Open	None	T 1-3	CSC 114

OUTDOORS PROGRAM

<u>COURSE</u>	<u>INSTRUCTOR</u>	<u>METHOD</u>	<u>LIMIT</u>	<u>TIME</u>	<u>PLACE</u>	
OP 106	Beg Top Rope Climb	R. Garmirian	Sign up	12	Th 1230-5	RCC
OP 110	Bicycle Tour/Maintenance	A. Ayvazian, S. Anderson	Sign up	10	Th 100-400	RCC
OP 130	Cont Top Rope Climb	G. Newth	InstPer	10	Th 1230-5	RCC
OP 136	You: Creator	G. Newth	InstPer	6	T 12-3	Kiva
OP 141	Peddle/Paddle/Climb	Staff	Sign up	12	W 1230-5	RCC
OP 218	Outdoor Ed & Leadership	R. Garmirian	InstPer	12	T 1030-1	PH C-1
OP 222	Interp. Nat. History	CANCELLED				
OP 256	Women & Nature	CANCELLED				
OP 257	Peru Trip	CANCELLED				

RECREATIONAL ATHLETICS

RA 101	Beg Shotokan Karate	M. Taylor	Open	None	MWF 3-430	So Lnge
RA 103	Int Shotokan Karate	M. Taylor	Prereq	None	TTh Sun 7-9pm	So Lnge
RA 104	Adv Shotokan Karate	M. Taylor	Prereq	None	Sun 3-5	So Lnge
RA 105	Aikido	P. Sylvain	Open	None	TTh 10-12	So Lnge
RA 106	Beg Hatha Yoga	S. Morley	Open	None	M 2-315	Donut 4
RA 107	Cont Hatha Yoga	S. Morley	Open	None	M 330-445	Donut 4
RA 108	T'ai Chi	P. Gallagher	Open	None	M 630-745 pm	So Lnge
RA 109	Cont T'si Chi	P. Gallagher	InstPer	None	M 8-930pm	So Lnge
RA 110	Physical Fitness Class	R. Rikkers	Open	None	TF 12-1	RCC
RA 111	Fencing	W. Weber	Open	None	TBA	RCC
RA 112	Badminton	J. Evans	1st come	10	TBA	RCC
RA 113	Women's Field Hockey	K. Stanne	Open	None	Mw 4-6 pm	RCC
RA 114	Women's Soccer	K. Stanne	Open	None	TTh 4-6pm	RCC
RA 115	Kayak Rolling/Pool	B. Judd	Open	None	W 6-730	Pool
RA 116	Beg Whitewater Kayak	B. Judd	Open	None	T 1030-12, Th 1-6	Pool
RA 117	Int Whitewater Kayak	B. Judd	Prereq	None	Th 1-6	Pool
RA 118	Iyengar Yoga	J. Hansa		20	T 1-3	So Lnge
RA 119	Basic Scuba Cert	S. Kuhr	InstPer			
RA 120	Improv Body Movement	M. Cajolet	Open	None	T 10-12	TBA
*RA 121	Boat Building	B. Judd	Open	None	See Course Description	
*RA 122	Rio Grande	B. Judd	Open	None	See Course Description	
*RA 123	Video-Kayak Stroke	B. Judd	Open	None	T 1030-12	TBA

CODES

ARB	Arts Building
CSC	Cole Science Center
EDH	Emily Dickinson Hall
FPH	Franklin Patterson Hall
PFB	Film/Photo Building
MDB	Music and Dance Building
RCC	Robert Crown Center
LIB	Harold F. Johnson Library
DH	Dakin House
EH	Enfield House
GH	Greenwich House
MH	Merrill House
PH	Prescott House
ELH	East Lecture Hall
MLH	Main Lecture Hall
WLH	West Lecture Hall
PAC	Performing Arts Center
Donut	Greenwich House-Center Room
BKSEM	Book Seminar
GIS	Group Independent Study
ProSem	ProSeminar-Division I Enrollment
TBA	To Be Announced or Arranged
*	Course is not term-long, see course description