

Winter 1976

# Rollins College Catalog Winter Term 1976

Rollins College

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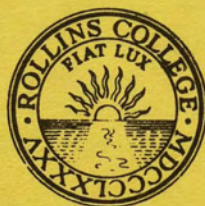
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# Rollins College

WINTER TERM - 1976



DIRECTED STUDIES AND INDEPENDENT STUDIES







## I N T R O D U C T I O N

To the Student:

The winter term is designed to provide a different type of learning experience from the fall and spring terms. With a concentration on one subject, you will have more opportunity to work "on your own", and to explore areas of learning which do not fit into the longer terms.

Courses in this booklet are listed in departmental order, according to the instructors; however, many of the courses are interdisciplinary in content. Many courses, too, are designed for students who are not majors in the particular field. It is hoped that you will take advantage of the winter term as an opportunity to explore new fields.

Take time to read the course descriptions, even in subjects in which, at first, you may think you couldn't be interested.

In addition to the courses described in this booklet and on-campus independent studies, any student may propose an off-campus independent study or an individual community project subject to the approval of a faculty sponsor and a review committee. An application for an individual off-campus winter term project or an individual community project is available at the Registrar's Office. It must be completed and returned promptly to the Office of the Provost to allow time for the necessary processing.

No student may register for more than one course or one independent study project in the winter term.

Courses which may be applied to the distribution requirements are indicated by "d" following the course number. Courses which satisfy the foreign culture requirement are indicated by "c". The same course may not be used to satisfy both a distribution requirement and the foreign culture requirement.

### Winter Term Grading

With the exception of off-campus group studies, all courses offered during the winter term are on a regular graded basis. However, if both the instructor and the student agree, the course may be taken as a Credit/No Credit, provided the student notifies the Registrar in writing by the end of the first week of the winter term. A form for this purpose may be obtained at the Registrar's Office.

Off-campus group studies are on a Credit/No Credit basis; however, if both the student and instructor agree, the course may be taken for a letter grade. In this case the instructor simply forwards the letter grade to the Registrar at the end of the term, with prior notification not required.

A winter term course taken on a Credit/No Credit basis is not counted toward the four such courses which may be taken in the fall or spring terms; however, it must be an elective. The only exception is that an off-campus group study to a foreign country, taken as Credit/No Credit, may be used to meet the foreign culture requirement.







## ART

Miss Hallie Lu Hallam Office-Art Building 23

Title: American Folk Art (DS) 192

Generally called "primitive" work by basically untrained, amateur painters, carvers and craftsmen reflected the needs, spirits, humor, heritage and often outstanding ability of the American artist from colonial to present times. Examples of the work of these artists will be shown and discussed with purpose of explaining their place as a reflection of their times.

Mr. Ronald Larned Office-Art Building 22

Title: Jewelry Design I (DS) 195

An introduction to design and construction of jewelry. Basic silver-smithing techniques and centrifugal casting will be covered. Design of both contemporary and traditional jewelry will be included. The class will meet as a group 3 hours per day four days per week. Outside work will include design notebooks and reports of various styles and periods of jewelry. Design research will be stressed. Critiques will be on both a group basis and on an individual basis.

Mr. Robert Lemon Office-Art Building 24

Title: Italy of the Renaissance (Off-campus Study) 197 cd

The Art Department will conduct a study-tour of Italy concentrating on the art and architecture of the Renaissance. Towns and cities visited will include Venice, Padua, Florence, Perugia, Assisi, Pisa, Siena, and Rome.

Mr. Tom Peterson Office-Art Building 18

Title: Printmaking (DS) 191

An introduction to the processes and techniques of intaglio printing-including metal plate etching, engraving, and the collograph. (A small lab fee will be charged).

## BEHAVIORAL SCIENCE

Ms. Patricia Gregory Office-Knowles 205

Title: Funny Talk: Exploration of the Linguistics of Humor (DS) 197

When we say a person is "witty", we usually mean that he/she is adept at using language humorously. "Funny Talk" will explore this close relationship between humor and the language used to express it. Students will collect examples of humor from such sources as T.V. programs, recordings, comic strips, joke books, folk songs and stories, the dorm, themselves, and these will be discussed at class meetings to determine the how and why of their humor. In general, the course will be aimed at understanding clowns.



2.

BEHAVIORAL SCIENCE CONT'D

Dr. Thomas Harblin Office-Knowles 214

Title: Experiencing Health Care Delivery and Medical Practice Today (DS) 195 d

An examination of the organization of health care delivery today and the problems experienced by those involved in the process: patients, physicians, hospitals, clinics, government, drug industry, health care lobbyists, etc. An effort will be made to diagnose why costs are skyrocketing and what can be expected in the future. The problems of designing and implementing alternative systems suitable for American society will be studied. Special themes will include the development of health care resources; medicine and special needs group (the poor, the aged, etc.); financing problems; the role of technology; health care legislation; and planning for change.

Dr. Pedro Pequeño Office-Knowles 207A

Title: The Cultures and Societies of the Caribbean (Field Trip to: Haiti, Dominican Republic, Puerto Rico, and the Virgin Islands) Off Campus Study 1

The purpose of this course is to introduce the individual student to the different cultures, societies, and economies present in the Caribbean. In addition, the course will explore what four centuries of slavery, poverty and discrimination, lack of education, a plantation economy, and the neo-colonialistic policies of today's major powers have done to the peoples of the Caribbean as illustrated in a French-speaking nation (Haiti); in a Spanish-speaking nation (Dominican Republic); a bi-lingual nation (Puerto Rico); and a nearly-total American possession (Virgin Islands). Part of the course will be taught on-campus and part in these aforementioned places. No previous background in Anthropology is needed; course open to all students; but consent of the instructor is required.

Dr. Roger Ray Office-Knowles 212

Title: Academic Internship in Psychology (DS) 193

This course uses an apprenticeship approach to teaching the mechanics and routines inherent in academic jobs available to professional psychologists. Students will be exposed to role-playing situations which demand committed deliberations covering curriculum planning and design, course planning and materials selection, grantsmanship, and various other professional requirements. Teaching philosophy and delivery techniques will be analyzed, including the use of videorecordings and performance analysis relative to lectures delivered by each student. Additional emphasis is placed on research requirements and techniques, the social and professional demands on academic personnel, and the communication skills and commitments required of psychologists. Simple mechanics of time management and task planning also are included to teach you how to "fit it all in."



BEHAVIORAL SCIENCE CONT'D

Dr. Marilyn Stewart Office-Knowles 208A

Title: Archaeological Field Methods Intensive Course 192 d

The course primarily seeks to train students in the methods and ethics of archaeology. Students will participate in an ongoing archaeological project in Central Florida. They will be trained in methods of archaeological survey (finding sites), mapping, excavation, and artifact handling. Emphasis will be placed in placing archaeological remains in the context of human behavior in the central Florida environment.

Dr. James Upson Office-Knowles 201

Title: Biophysical Measurements (DS) 194 d

An opportunity for students to explore the area of physiological psychology with specific emphasis on the electrical potentials generated by the body. Animal and human subjects will be monitored in both experimental as well as natural settings. The studies will be of an empirical nature with minimal emphasis on psychological theory.

BIOLOGY/ENVIRONMENTAL STUDIES

Dr. James Small Office-Bush 209

Title: Concepts in Biology Intensive Course 110 d

A course in the principles of Biology for the non-science major, stressing the relationships among organisms including man. The major stress for the winter term version of this course will be human anatomy and physiology although most major subject areas of Biology will be surveyed. The course is equivalent in hours of lecture (40) and laboratories (12) to the long term version.

Mr. Edward Scheer Office-Bush 230

Title: Environmental Geology Intensive Course 294 d

The evolution of earth structures, environments and resources is emphasized and related to man's use of the earth. This course satisfies a science distribution requirement within the Environmental Studies Major. The course is equivalent in contact hours to a long term laboratory science course.

Dr. Mary Henderson Office-Bush 220

Title: Developmental Biology (DS) 360

Inquiry into the biochemistry of the assembly of cells and organisms and the nature of plant and animal development. Many developmental systems (e.g. the sea urchin, the slime molds, and the ferns) will be explored descriptively and experimentally. The time-related phenomena of division, growth, differentiation, morphogenesis, and biological clocks will be discussed.



4.

BIOLOGY/ENVIRONMENTAL STUDIES CONT'D

Dr. David Smith; Dr. David Richard Offices-Bush 217; Bush 212

Title: Marine Biology (DS) Off Campus Study 394

An introductory course in marine biology consisting of directed, field-oriented studies of the systematics, ecology, biogeography, and behavior of marine organisms. Emphasis will be on the in-field study of living marine forms in their natural habitats: representative shallow-water marine ecosystems of South Florida and the West Indies. This offering allows qualified students to participate maximally--via a concentrated, "in-the-water" approach--in the comprehensive study of marine systems in tropical areas where energy flow, species diversity and productivity are highest. Concentrated lecture-laboratory prep sessions covering basic marine taxonomy and ecology will be held in the Bush Science Center on campus from Jan. 5 to Jan. 15. From January 15 to Feb. 2, activities will be based at the Bellairs Marine Research Institute of McGill University (St. James, Barbados). These will consist of comprehensive in-field taxonomic surveys and analyses of representative tropical marine ecosystems: coral reefs, rocky littoral, sandy littoral, deep water benthic, mangrove swamp, brackish ponds. From Feb. 2 to 5, the class will work at the West Indies Marine Laboratory (of Fairleigh-Dickinson University) at Christiansted, St. Croix, U.S. Virgin Islands, emphases on comparative analysis of marine communities, habitat types, and biogeography; includes a full day's study of the Buck Island reef.

CHEMISTRY

Dr. George Cochran Office-Bush 314

Title: Chemistry for Changing Times Intensive Course 105 d

A course designed for those who are curious about the role chemistry plays in our day-to-day lives. By looking at subjects such as foods, drugs, cosmetics, and aging, students can come to appreciate why science should be everybody's business. There will be two or three laboratory periods a week as well as some field work in neighboring grocery, drug, and hardware stores for the purpose of product evaluation and comparison. While there is no prerequisite, a knowledge of high school math will be helpful.

Dr. Robert Ridgway Office-Bush 310

Title: Experiments in Chemistry (DS) 197

This would be a course for those students wishing to gain further knowledge of synthetic techniques and the use of the more common instruments found in a chemical laboratory. The course would be on a contract basis and would permit some degree of flexibility in the choice of materials that a student might study.

Chemistry Staff Obtain card from Dr. Blossey Office-Bush 313

Title: Experiments in Instrumental Analysis and Physical Chemistry Intensive Course 304

This course aims to provide the clear understanding of important instrumental techniques, the basic design and use of the instruments, and the significance of the data produced. The basic techniques to be covered include: mass spectroscopy, and chromatography (column, gas-liquid, TLC, etc.).



CHEMISTRY CONT'DChemistry Staff

Title: Independent Study (IS) 399, 499

The Independent Study provides intensive examination by the student of a specific problem in Chemistry. The work normally consists of a literature survey, experimental design, research, and preparation of both a written and oral report (seminars).

Dr. Herbert Hellwege Office-Bush 317

Title: A Discovery Approach to Physical Science Intensive Course SC 110 d

See Science for description

ECONOMICS & BUSINESS ADMINISTRATION

Mr. Kenna Taylor Office-Crummer 208

Title: Economics of Social Issues (DS) 192 d

Examination of current social problems such as poverty, crime, discrimination and pollution with a view toward examining what economics can contribute to the analysis of and to potential solutions to such problems. The course will consist of regular class meetings and group debates. Each student will do research on a problem, participate in a group debate and submit an analysis of the issue debated. An out-of-class exam will also be given.

Mr. Arthur Kenison Office-Crummer 193

Title: Product Planning & Promotion in an Industrial Economy (DS) 193

Each student will be required to present a paper and oral report on the feasibility of a firm (hypothetical or real) introducing a new product or service into the market. Topics included in their reports will be: a market research study on the potential demand; a description of the product; a selection of a distribution system; the creation of an advertising campaign; and an analysis of the price structure and profitability of the venture. The group will meet three days a week. Following an introductory survey of the problems in marketing, the sessions will be devoted to student presentations of their reports.

Mr. A. Ross Evans Office-Crummer 116

Title: Investments Intensive Course 308

The economics of investment are developed by studying the nature of investment and investment media, and the capital market. Emphasis throughout the course is on investment in stocks and bonds—the objectives of the individual to be accomplished. Real estate as an investment is also analyzed. Group meetings 5 days a week (2 hours each). Several short research papers. Conferences.



6.

ECONOMICS CONT'D

Dr. R. Burr Smith Office-Crummer 115

Title: Development Economics (DS) 392 c

An intensive study of the development of problems and programs of India, as a major example of applied development economics. During the first two weeks, the student will be introduced to the general field. Individual students will then do research on segments of India's program - finance, industry, agriculture, distribution, foreign trade and will present their findings in the final sessions of the course in both written and oral form. Interrelationships between these segments will be stressed by the instructor. An overall evaluation of the effectiveness of India's program will be made. As indicated, the course will have group meetings in the first and last parts, with individual research (directed by the instructor) in the intervening period. Substantial use of library research material will be necessary.

Dr. Donald Hill Office-Crummer 216

Title: The Economics of Public Service Industries (DS) 393

A study of cases, problems, and research methods in selected fields of public service industries. After an introductory period classes will meet three times a week with time devoted to library research and consultation.

Dr. Wayne Hales Office-Crummer 210

Title: The Economics of Health Care Delivery Systems (DS) 391

This course entails the utilization of existing data concerning the Florida hospital industry to test hypotheses regarding the economic efficiency of Florida hospitals in health care delivery. The course should enhance the advanced student's expertise in research methodologies in the discipline. There will be daily meetings during winter term to formulate models and evaluate statistical results. Course grades will be based on students' abilities to analyze their research results. A knowledge of elementary statistics and a willingness to learn to use the college computer facility is assumed.

Dr. Charles Welsh Office-Crummer 118

Title: Independent Study (IS) BA 499, Econ 499 (Seniors)

Independent study for seniors majoring in Economics or Business Administration, in fields of theory or applied analysis of prime interest to the individual student. The study is conducted by the senior with advice and consent of a faculty member with respect to definition of problem, scope, methodology, format of inquiry, and statement of results. Emphasis is placed on the development of the student's capacity to explore problems in areas of significance in Economics and Business through the use of effective research methods. Individual conference.

See MATHEMATICS 388 APPLIED QUANTITATIVE METHODS IN ECONOMICS AND BUSINESS RESEARCH



EDUCATION

Dr. Michael Kahn Office-Park Avenue Building

Title: Teaching Emotionally Disturbed Children (DS) 293

Students will have the opportunity to work as teacher aids at a special education school for the emotionally disturbed and learning disabled. An indepth study of special methods of instruction and methods of controlling classroom discipline problems will be integrated into field work at Gateway School. Enrollment is limited to 10 students.

Dr. Nancy McAleer Office-Park Avenue Building 7B

Title: Directed Observation and Participation (DS) 291

Students will be placed as teacher assistants in area schools. They will spend three hours each morning working with teachers and groups of elementary and/or secondary students. This course is recommended for all students considering teaching as a career. The class will meet as a group for orientation before going into the schools. Daily attendance at the assigned school is required. An activity log and a self-evaluation paper are required. Transportation to and from assigned schools must be arranged.

ENGLISH

Dr. Philip Pastore Office-Orlando 110

Title: The Poetry of World War I (DS) 191

A study of the various responses to the war experience as exhibited in the works of both major and minor poets (primarily British) concerning their personal and "social" responses, and changes in attitude which cause shifts in their techniques as well as themes. The poets we will concentrate on will be Sassoon, Blunden, Owen, and various minor but interesting poets. The Rittenhouse poetry collection will aid in this regard.

Mr. Wilbur Dorsett Office-Orlando 108

Title: Themes in World Drama (DS) 192 d

This is a directed study in which each student will choose a universal theme (war, patriotism, dissent, love, achievement, parents and children, absurdism, self-destruction, the after-world, etc.) and read a selection of plays from all periods of theatre history to determine how the theme has been developed in various cultures. Each student will summarize his findings in a descriptive and critical paper and present to the group an oral report on his paper.



8.

ENGLISH CONT'D

Dr. Alan Nordstrom Office-Orlando 207

Title: How to Find Out (DS) 193 d

For the student who is eager to know things and to learn how to find out what he wants to know, this course in the intelligent use of library resources will acquaint him with basic reference tools for all the humanistic disciplines (literature, history, philosophy, the arts) and instruct him in methods for carrying out research and producing research papers. As much time will go to working with reference sources for various areas as to working in the student's particular discipline or field of special interest. Students who have broad academic interests and who enjoy learning through reading can look forward to spending many rewarding hours in the Mills Reference Room, at the catalogs, and in the stacks.

Mrs. Jean MacKenzie Office-Orlando 111

Title: I Wanted to Write a Poem (DS) 194

Emphasis on writing poetry and the development of a personal reading list. Structure of course will depend on the interests and needs of group. The professor will work closely with each student, then bring everyone together for 1 workshop per week.

Mr. Alzo Reddick; Dr. Maurice O'Sullivan Offices-Student Affairs; Orlando 209

Title: White on Black/Black on White: Black and White Views of the Black Experience (DS) 19

A comparative study of black and white views of the black experience, this course will focus primarily on the historical development of literary images of blacks. Reading works ranging from Harriet Beecher Stowe's Uncle Tom's Cabin to Richard Wright's Uncle Tom's Children--other authors to be studied include Joel Chandler Harris, Mark Twain, Arna Bontemps, William Faulkner, William Styron, LeRoi Jones, and Ishmael Reed--the class will discuss literary, philosophical, political, historical, sociological, and psychological aspects of works by both black and white writers. Among the topics we will examine are the role of the black artist in a white culture, the origins, historicity, and development of stereotypes, the relationships between literary and popular imagery, and the effects of white perceptions on black attitudes.

Dr. John Hamilton Office-Orlando 211

Title: Order and Disorder: Shakespeare to Modern Fiction, Poetry, and Drama  
Intensive Course 196 d

Study thru texts and recordings of the themes of personal and social disorder reflected in selected works by Shakespeare, Stoppard, Harper Lee, Ernest Hemingway, James Joyce, Evelyn Waugh, T. S. Eliot, E. S. Robinson, Gwendolyn Brooks, Langston Hughes, Claude McKay, Tennessee Williams, and Edward Albee.



ENGLISH CONT'D

Dr. Steve Phelan Office-Orlando 109

Title: Autobiography II: or The Psychology of Language (DS) 198 d

A sequel to last year's course. For students who want to write autobiography. Ideal for those interested in creative writing, language, or psychology. The course will have three units: 1) AUTOPSY--seeing with one's own eyes--a study of one's own ways of picturing through techniques of dream analysis and word association; 2) AUTOGLOSSARY--first steps in creating a totally personal language, including alphabet, grammar, and vocabulary; 3) AUTOMYTHOLOGY--fictional autobiography illustrated by the work of Hermann Hesse with a focus on the novel Demian.

Dr. Edward Cohen Office Orlando 112

Title: Expository Writing (chiefly for communications area majors) Intensive Course  
290

The objective of the course is to provide students with an opportunity to improve their writing skills. Five extended essays are required; in each, the mode of development is to be assigned by the instructor, the subject to be chosen by the student. Considerable attention will be devoted to the principles of organization and persuasion. Correct execution of punctuation and syntax will be expected.

FOREIGN LANGUAGES

Dr. Peter Bonnell Office- Hauck 206

Title: The German Language and Culture (Off-Campus Study) GN 197 c (102,201)

Study and practice of the German language for students at the 102 and 201 levels; German culture and civilization for students who have successfully completed German 201, but who have not taken German 301/2; directed and/or independent study for advanced students.

Forty-five hours of language instruction by a University of Munich faculty member for 102 and 201 students. Directed research for advanced students with a term paper at the end of the course.

Dr. Edward Borsoi Office-Hauck 202

Title: The Spanish Players (DS) SH 195 c

A play (or plays) will be presented in Spanish before an appropriate group. Hence, the "course" consists of rehearsals and preparations. Choice of play(s) depends on: (1) opportunity for student participation and (2) enrollment. Aesthetic/literary considerations are secondary with the prime purpose of the course being improvement of linguistic skills. Students are likely to learn a lot since they will be responsible for the production. The instructor will learn a lot since he knows nothing about play production.

Course prerequisite: Basic knowledge of Spanish, NOT OPEN TO NATIVE SPEAKERS. First sessions used for play selection, assignment of roles and establishing procedures. Systematic rehearsals from second week on.



FOREIGN LANGUAGES CONT'D

Dr. Edward Danowitz Office-Hauck 205

Title: Russian Conversation Intensive Course 196

Course provides for instruction and drill in Russian conversation. No previous knowledge of the language required. Course particularly suited for science/economics majors who anticipate travel to the USSR, as well as other students desiring a knowledge of the language. Course stresses language as the means to communication. No written requirements since the spoken phonetic language shall serve as the learning objective.

Dr. Elinor Miller Office-Hauck 209

Title: Littérature du Moyen Age (Off Campus Study) 295

Littérature française du Moyen Age. Etude en classe surtout de la Chanson de Roland, du Testament de Villon, et des Lais de Marie de France; études individuelles des pièces religieuses, des chroniqueurs, et du développement de la langue.

Dr. Bessie Stadt Office: Hauck 200

Title: The Spanish Language and Culture (Off-Campus Study) 102 c, 197 c

Study and practice of the Spanish language for students at the 102 level; Spanish culture and civilization for students who have not yet taken Spanish 331/332; directed and/or independent study for advanced students.

Dr. Frank Sedwick Office-Hauck 204

Title: Independent Study in Spanish (IS) SH 399, 499

HISTORY

Dr. Barry Levis Office-Knowles 106

Title: Hitler: A Study in Tyranny (DS) 191 d

An examination of the mind and career of Adolph Hitler. His life and times will be explored through readings and class discussions, and students will be given the opportunity to explore one aspect of the topic through a research paper. The main focus of the course will be upon the connection between Hitler and Nazism, on the one hand, and the historical and cultural milieu from which they arose on the other.

Dr. Charles Edmondson Office-Knowles 109

Title: Studies in Soviet Foreign Policy and Diplomacy Intensive Course 193 d

This course will seek to illuminate the sources of Soviet foreign policy and the patterns of Soviet diplomatic conduct through a careful examination of the history of Soviet foreign relations since 1917. Among the issues of special concern in this course will be the role of ideology in Soviet foreign policy and strategic factors in Soviet diplomacy. We shall also give particular attention to such topics as the "Cold War," Sino-Soviet relations, and the much discussed Soviet-American detente.



HISTORY CONT'DDr. Gary Williams

Title: Bathtub Gin and Yack Yack Bourbon: A Social History of the 1920s  
Intensive Course 195

An examination of the decade of the Twenties in the United States through social themes and trends. Topics for reading and discussion will include the following: prohibition, the revolution in morals, the Great Red Scare, Sacco and Vanzetti, Izzy and Moe, the Scopes "monkey trial," the Ku Klux Klan, the "lost generation," and the search for heroes.

Dr. Jack Lane

Title: History as a Way of Learning: The Rollins Experience (DS) 196 d

This course will serve two purposes: One, it will introduce the student to the field of history; and Two, it will familiarize the student with his College's past. The subject for historical investigation will be Rollins history; the sources will be the documents (Sandspur, yearbooks, R-Books, presidential papers, etc) in the College archives located in Mills Library. The great and exciting object of this course will be to understand, through the use of these primary sources, history as a way of learning.

Mr. Alzo Reddick: Office-Student Affairs

Title: White on Black/Black on White: Black and White Views of the Black Experience  
195

See English for a description

MATHEMATICSDr. Raymond Roth Office-Bush 329A

Title: Applied Quantitative Methods in Economics and Business Research  
Intensive Course 388

Intended primarily for those students in the Crummer School with sufficient background (junior and senior level students) to begin applying the quantitative methods of econometrics and models to the study of business problems. This course will furnish some of the tools needed in preparation for serious graduate study, business decision making and the CPA examination. The group will be limited to 15 prepared and interested students.

Mr. Ralph Naleway Office-Bush 329E

Title: Linear Programming Intensive Course 196

An introductory course in the mathematical methods used in solving certain management problems. Considerable emphasis will be given to the simplex method for solving these problems. The basic transportation and assignment problems will be investigated as special cases. This is an applied mathematics course of interest to students of business, mathematics, and computer science.



12.

MATHEMATICS CONT'D

Dr. Alexandra Skidmore Office-Bush 329D

Title: Computer Calculus Intensive Course 291

For science and mathematics majors. Flow charts, programming; use of numerical methods to study limits, series, integration, and algebraic equation, and to obtain a deeper insight into the nature of calculus. Mathematics 110 or 111 is the prerequisite.

Dr. John Bowers Office-Bush 329C

Title: Independent Study in Mathematics (IS) 499

Individual topics in higher mathematics. Required of majors (at least one term). Open to juniors and seniors.

Dr. Douglas Child Office-Bush 329B

Title: Introduction to Computing Intensive Course SC 150 d

See Science for description

MUSIC

Mr. Alexander Anderson Office-Knowles Memorial Chapel

Title: Choral Workshop (DS) 191

Study of the basic techniques of choral conducting, and the necessary skills in musicianship. These will include score-reading, sight-singing, and accompaniment. Course adaptable to keyboard players who wish to participate as accompanists. Open to majors and musically advanced non-majors. All students will be expected to participate in the chapel choir.

Mr. Thomas Brockman Office-Keene 222

Title: American Music in World Culture (DS) 194 d

The course will consist of 1) a survey of the work of the important American composers: Copeland, Barber, Gershwin, Sessions, etc. and 2) a study of the significance of American music by comparing the achievements of American composers with that of the leading European 20th century composers: Stravinsky, Bartok, Berg, Ravel, Shostakovitch, Boulez, etc.

Mr. Alphonse Carlo Office-Keene 202

Title: Music as Sound (DS) 111 d

The objective is to broaden the student's taste, awareness, and understanding of all the aspects of music from any period by exposing the student to a great variety of music ranging from Gregorian Chant, Montverdi and Bach to the Moog Synthesizer, and contemporary composers. Special focus is placed on timbre, texture, rhythmic organization, harmonic backgrounds, color, form, monophony, homophony, polyphony. The aim of the course is to enable the student to recognize these musical elements in the music of any period. 4 hours of class work weekly plus additional outside listening and reading of one to two hours. Group meetings, individual conferences, if requested, listening research.



PHILOSOPHY & RELIGIONDean Theodore Darrah Office-French House 9Title: Readings in Western Religion (DS) 195 d

This course is a study in some of the classical statements that have come out of the wisdom of Christian traditions.

Dr. Daniel DeNicola Office-French House 4ATitle: Bioethics: Moral Issues in the Control of Life and Death (DS) 192 d

This cooperative study is an attempt to face "the biological revolution." The focus is on certain moral issues raised by our increasing technological ability to control life and death, particularly in humans. Issues such as these will be confronted from an ethical perspective: contraception, abortion, euthanasia, enforced sterilization, "test tube babies," genetic surgery, genetic engineering, vivisection, and experimentation with human subjects. Our hope is to discover some common philosophical principles which will give guidance in these issues. To that end we will discuss such concepts as: the value, sanctity, or moral worth of life, the basis of reverence or respect for life, the right to life, quality of life, and the good life.

The study will incorporate a variety of formats, including group meetings, individual conferences, project development and research. There will be assigned reading, several guest speakers, lectures, and field trips. The two basic requirements will be a project or paper and a position paper to be used as the basis for an oral examination.

Dr. Hoyt Edge Office-French House 3ATitle: Mediums, Mystics, and Meditation (DS) 196

The subject matter of the course concerns the intersection of parapsychology and altered states of consciousness (using mysticism and meditation to exemplify the latter). We will consider experimental parapsychological data through examination of the literature, through performing simple experiments on our own, and through watching a medium at work. We will be introduced to altered states of consciousness by learning several different techniques of meditation and by seeing films concerning mysticism and eastern religions. In addition, we will discuss these paranormal phenomena conceptually, seeing if there are any positive implications not only for our understanding of the world but for practical living.

Dr. Karl Peters Office-French House 3BTitle: Ethics and the Environment--A Look Toward the 21st Century (DS) 198

An exploration of the interrelationship between man's basic guiding values, his use of the earth's resources, and the possibilities for human survival. Our examination of basic guiding values will include an analysis of the primary goals of ancient religious and philosophical traditions as well as those of our own, scientifically oriented society, and of how such goals relate to everyday decision making processes that affect our use of the environment. We will also examine the various factors, human and non-human, that contribute to problems of energy use, hunger, land use, population, and pollution, problems which in turn influence the possibilities of human survival and quality of life. Finally, we will ask



14.

PHILOSOPHY & RELIGION CONT'D

whether or not it is possible for people today to readjust some of their basic values in order to increase the chances of future generations for survival at a higher level of existence.

Dr. Bruce Wavell Office-Sullivan House

Title: Personal Philosophy (DS) 197

Socrates said: "An unexamined life is not worth living". The object of this course is to enable a group of students to examine and, if necessary, to change the beliefs by which they live through meditation, mutual criticism, discussion and the study of relevant philosophical material.

PHYSICS

Dr. John Ross Office Bush 115

Title: Astronomy II - Exploring the Universe (DS) 102 d

A directed study course on a particular area in astronomy such as binary star systems, stellar evolution, variable stars, planetary nebulae, pulsars, black holes, galactic structure, cosmology or observational astronomy. The student will choose a particular topic of interest and arrange a contractual study program to include readings, observations, analysis of data, with either a final oral or written presentation. The course is designed for students who have a background in astronomy, such as P101-Astronomy, or who are science majors.

Dr. Robert Carson and Dr. Joseph Mulson Offices: Bush 124; Bush 111

Title: Computers in the Sciences SC 160

See Science for a description

POLITICAL SCIENCE

Dr. Luis Valdés Office-Knowles 110

Title: Spies & Saboteurs (DS) 192

A cross-cultural exploratory analysis of a seldom-studied subject whose importance has always been suspected, but rarely analyzed. The course will present (a) an historical overview of the origins and development of espionage; (b) an objective and normative analysis of the philosophy of espionage; and (c) descriptions of various intelligence agencies such as the CIA, FBI, KGB, Gestapo and their personnel; particular attention will be paid to the role of women in these agencies. The first part of the course will consist of class discussions of the assigned readings. These will include academic studies, biographies and novels. The second part will be devoted to an oral presentation of individual reports dealing with some aspect of intelligence-gathering activities.



POLITICAL SCIENCE CONT'D

Dr. Norman Gilbert Office-Knowles 105

Title: Mass Media - Propaganda - "The Folklore of Industrial Man" (DS) 195

A critical analysis and discussion of contemporary trends, problems and objectives of the media of mass communications. Special emphasis will be placed on the nature of propaganda and its external and internal characteristics. In particular we will focus on the effects of mass media as a primary factor in changing societal relationships. There will be daily meetings starting at 9 a.m. Monday through Thursday. In approximately the third week, individual and group conferences will be scheduled daily. The project report and presentation will be due during the final two weeks.

Dr. Bechir Chourou Office-Knowles 104

Title: North African Culture, History and Politics (DS) Off Campus Study 197 c

First-hand exposure to the history of North Africa, current problems of development and modernization, and study of modern politics and governmental systems. Students will also be able to examine the Arab-Islamic and Berber cultures.

## SCIENCE

Dr. Robert Carson; Dr. Joseph Mulson Offices-Bush 124; Bush 111

Title: Computers in the Sciences (DS) SC 160

An introduction to simple and advanced programming using the BASIC language on the Rollins time-sharing computer system. Topics covered include simple computer logic and design, programming methods for analyzing data, and various applications to the fields of physics, chemistry, and biology. Each student will complete a computer project of his or her choice. No prior computer programming experience is required. This course is designed for science majors. There will be group meetings (lecture/discussion), study guides for some course material, several laboratories using computer models, a computer project approved and guided by the instructor, several quizzes, and a professional presentation of the project at the end of the term.

Dr. Douglas Child Office-Bush 329B

Title: Introduction to Computing Intensive Course SC 150 d

The purpose of this course is to give students a first-hand idea of what the computer can do for them as non-scientists. To this end each student will write several short programs and one longer project in the BASIC computer language. Programming techniques useful to non-scientists will be discussed as will the functioning of the computer. Throughout the course the present and future social impact of the computer will be discussed. Several exams will be used to test the students understanding of the material. Help sessions will be given.



SCIENCE CONT'DDr. Herbert Hellwege Office-Bush 317Title: A Discovery Approach to Physical Science Intensive Course SC 110 d

A study of light, motion, energy, and matter emphasizing the process of science and the way in which a small number of fundamental concepts can be combined to account for a wide variety of seemingly complicated phenomena. A primary objective is to impart to the non-science major a sense of excitement a scientist feels about his work by involving the student in the activity of discovery. Background in physical science is not assumed. With laboratory and many class demonstrations.

THEATRE ARTS & SPEECHMr. William McNulty Office-ART 201Title: Lively Arts in London (Off Campus Study)TA 197 cd

First-hand study of Theatre in London. Viewing at least 12 professional productions. Tours of London drama schools BBC, etc. Day trips to Stratford, Oxford, Cambridge, etc. Lectures by eminent Britain-MP's poets, historians, etc. Lecture-discussions with actors, playwrights, directors, critics. Short daily seminars. Conducted tours and day trips. Journal of daily activities required.

Dr. Charles Rodgers Office-WPRKTitle: Oral Interpretation of Literature Intensive Course 303

Oral re-creation of literature for an audience, and principles and practice in comprehension, appreciation and skill in projecting literary material of various kinds. Students will prepare and present all types of reading to the class.

Theatre Arts Staff Obtain card from Dr. Juergens ARTTitle: Theatre Workshop (DS) 198, 298, 398

Practical work in the production of plays, touring of plays, limited practical class-work in basic stagecraft, make-up. Required of majors, open to all students. Work is conducted on a daily, prescribed work schedule. Hours are long and some work arduous for 1st 3½ weeks of term.

Dr. William Gallo Office-Keene 218Title: Navigation in Sailing Intensive Course WT 100

The purpose of this course is to teach the student the skills and procedures necessary to operate small sailing craft (under 65 feet) in inland, coastal and limited off shore sailing. The course will include the basic aspects of general seamanship as they apply to small boat piloting as well as intensive instruction in sailing. Navigation will deal mostly with dead reckoning problems as they relate to sailing, however, the students will use radio direction finders and also become acquainted with radar, LORAN, and celestial navigation procedures. There will be a fee of approximately \$100.00 to cover the cost of boats for off shore sailing and field trips to Daytona or Miami.







