## ASTRONOMY

**Director:** C. A. Williams; **Planetarium Director:** J. A. Carr; **Professors:** C. A. Williams (Mathematics Department), J. H. Robinson (Department of Educational Measurement and Research, St. Petersburg); **Visiting Professor:** G. Hammond.

**BIOLOGY**


**CHEMISTRY**

**Chairperson:** S. W. Schneller; **Graduate Research Professor:** R. M. Castle; **Professors:** J. S. Binford, Jr., R. S. Braman, J. C. Davis, Jr., J. E. Fernandez, G. R. Jurch, Jr., L. Mandell, D. F. Martin, P. C. Maybury, G. Meisels, G. R. Newkome, E. D. Olsen, T. C. Owen, D. J. Raber, S. W. Schneller, T. W. G. Solomons, B. Stevens, R. D. Whitaker, J. H. Worrall; **Associate Professors:** S. H. Grossman, M. D. Johnston, Jr., R. M. O'Malley, J. A. Stanko, J. E. Weinzierl, G. R. Wenziger, E. Wickstrom; **Assistant Professors:** A. T. D'Argostino, R. L. Potter, T. B. Schaffler; **Adjunct Faculty:** J. A. Barrett, N. Ekwuribe, A. Lebedeb; **Courtesy Faculty:** M. Ben, D. P. Boris, G. Colacico, R. Conan, B. Glauser, B. B. Martin, W. Menvhert, J. W. Palmer, L. H. Garcia-Rubio, W. E. Swartz, Jr., L. Toppare.

**MARINE SCIENCE**

**Chairperson:** P. R. Betzer; **Professors:** N. J. Blake, J. C. Briggs, R. H. Byrne, K. L. Carder, L. J. Doyle, K. A. Fanning, G. R. Gutz, P. Hallock-Muller, A. C. Hine, T. L. Hopkins, W. M. Mackett, S. E. Van Vleet, J. J. Walsh, R. H. Weissberg; **Professor Emeritus:** H. J. Humm; **Associate Professors:** J. H. Paul, J. T. Torres, G. A. Vargo; **Assistant Professors:** J. S. Compton, R. C. Wilson, Jr.; **Professor Emeritus:** C. W. Holmes, W. R. Parker, A. C. Smith, J. Tardy; **Wollast:** C. C. teaspoon; **Assistant Professors:** R. C. Baird, G. E. Rodrick, K. A. Steidinger; **Courtesy Assistant Professor:** A. B. Meylan; E. C. Peters, J. E. Reynolds; **Professor Emeritus:** R. A. Davis, S. Gallagher, S. Schott.

## MEDICAL TECHNOLOGY

**Chairperson:** D. E. Olsen; **Professors:** F. E. Friedi, E. D. Olsen; **Associate Professor:** E. D. Grossman, D. T. Testrake; **Assistant Professors:** D. D. Dunigan, R. L. Potter; **Assistant Professors:** K. W. Barnick (Baptist Medical Center), I. L. Brownzys (Tampa General Hospital), W. Burgert (Tallahassee Memorial Regional Medical Center), L. J. Davis, (Bayfront Medical Center), N. M. Hardy (University Medical Center/Jacksonville), R. F. Holcomb (Florida Hospital), F. C. Holland (Baptist Medical Center), R. Poppiti, Jr. (Mount Sinai Medical Center); **Professor Emeritus:** G. Atz (Baptist Medical Center), P. DiStefano (Bayfront Medical Center), W. M. Duquette (Mt. Sinai Medical Center), M. Hill (Tampa General Hospital), A. Plagge (Tallahassee Memorial Regional Medical Center), P. Rogers (Florida Hospital), J. D. Sigler (University Medical Center/Jacksonville).

## PHYSICS

**Chairperson:** S. Sundaram; **Professors:** S. C. Bloch, S. R. Deans, N. Djeu, R. W. Flynn, N. C. Halder, L. Jastrzebski, W. D. Jones, D. K. Killinger, J. Lagowski, N. L. Oleson, S. Sundaram; **Professor Emeritus:** G. Forman; **Associate Professors:** J. L. Auel, H. R. Brooker, R. S. Chang, R. W. Clapp, E. Clarke, W. H. Kruschwitz; **Assistant Professor:** British Mukherjee; **Lecturer:** D. D. Spurgin.

## ASTRONOMY

### AST 2005 ASTRONOMY OF THE SOLAR SYSTEM

**Course:** Introduction to the Astronomy of the Solar System. No Physics background assumed. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics of the solar system, properties of the sun and planets, space exploration of planets and the moon, life on other worlds. This course is complementary to but independent of AST 2006. Either may be taken before the other or taken by itself.

### AST 2006 STELLAR ASTRONOMY AND COSMOLOGY

**Course:** An introduction to Astrophysics and the structure of the universe. No Physics background assumed. Topics covered include properties of light, stellar coordinates, measurement of the physical properties of stars, formation, structure and evolution of stars, normal and peculiar galaxies, cosmology. This course is complementary to but independent of AST 2005. Either may be taken before the other or taken by itself.

### AST 20020 ILLUSTRATIVE ASTRONOMY

**Course:** Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, seasons, weather. Current events in the space program. Planetarium and open sky demonstrations. Lec.-lab.

### AST 3033 CONTEMPORARY THINKING IN ASTRONOMY

**Course:** PR: Junior or Senior Standing or CI. Seminar designed to assist the layman, with no scientific background, in comprehending contemporary developments in Astronomy. Necessary background material is provided by the instructor and a text. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extra-terrestrial life, interacting galaxies, cosmology.

### AST 3044G ARCHAEOASTRONOMY

**Course:** PR: Jr. or Sr. Standing or CI. Astronomical concepts and observational techniques used by prehistoric/ancient peoples for detecting change of seasons, constructing calendars, predicting eclipses, etc. Particular attention is given to Stonehenge, and to works of N.A. Indians, the Maya and Aztecs, and the Egyptians. Lec.-lab.

### AST 3652 NAVIGATION

**Course:** PR: Some knowledge of geometry, algebra, and trigonometry. Timekeeping, use of sextant, constellations, celestial navigation with minimum equipment, spherical astronomy.

### AST 3830 SELECTED TOPICS IN ASTRONOMY

**Course:** PR: CI. Course content will depend upon the interest of the faculty and student demand. May be repeated up to 8 credit hours.
BIOLOGY

APB 1150 PRINCIPLES OF BIOLOGY FOR NON-MAJORS (3)
Lectures and demonstrations of selected biological principles, usually taught by television. For non-majors only. No credit for Biology Majors.

APB 2110 ENVIRONMENT (3)
The application of basic principles of ecology to relevant problems and topics relating to man’s environmental interaction through consideration of scientific and popular literature. For non-majors. May be taken by majors for free elective credit.

APB 2140 FOOD AND DRUGS (3)
The application of basic biological principles to relevant problems and topics in nutrition and drugs through the consideration of scientific and popular literature. For non-majors. May be taken by majors for free elective credit.

APB 2250 SEX, REPRODUCTION AND POPULATION (3)
The application of basic biological principles from subject areas to relevant problems and topics through the consideration of scientific and popular literature. For non-majors. May be taken by majors for free elective credit.

APB 3110 MAN, MICROBE AND MOLECULE (3)

BOT 2010C FUNDAMENTALS OF BOTANY (4)
PR: BSC 2010C. Cell division, genetics, reproduction and development, physiology. Lec.-lab. (Spring & Fall).

BSC 2010C FUNDAMENTALS OF BIOLOGY (4)
A brief review of living organisms, respiration, photosynthesis, cell structure, and specialization. Lec.-lab.

BSC 2933 SELECTED TOPICS IN BIOLOGY (1-4)
May be repeated.

BSC 3263 INTRODUCTORY MARINE BIOLOGY (3)
PR: 1 year major’s Biology. An introduction to the marine environment, the types of organisms found inhabiting a variety of marine habitats, and the adaptations of the organisms to those habitats. Emphasis is placed on shallow water Florida environments.

BSC 4905 INDEPENDENT STUDY (1-3)
PR: CI and CC. Specialized independent study determined by the student’s needs and interests. The written contract required by the College of Natural Sciences specifies the regulations governing independent study. May be repeated. (S/U only.)

BSC 4910 UNDERGRADUATE RESEARCH (1-4)
PR: CI and CC. Individual investigation with faculty supervision. (S/ U only.)

BSC 4930 SEMINAR IN BIOLOGY (1)
Senior or advanced junior standing. May be repeated once. (S/U only.)

BSC 4933 SELECTED TOPICS IN BIOLOGY (1-3)
Each topic is a course in directed study under supervision of faculty member.

PCB 3063 GENERAL GENETICS (3)
PR: 1 year major’s Biology. Introduction to genetics including the fundamental concepts of Mendelian, molecular and population genetics. Lec.-dis.

PCB 4023C CELL BIOLOGY (4)
PR: CHM 3211, CHM 3211L and PCB 3063. A discussion of the concept and significance of the cell to biology; biological molecules and metabolic processes within the cell; cellular energy conversion systems; and control of cellular metabolism. Lec.-lab.
MCB 4503 PLANT PHYSIOLOGY (4)
PR: PCB 4023C. Fundamental activities of plants; absorption, translocation, transpiration, metabolism, growth, and related phenomena. Lec.-lab.

MCB 4713C PLANT TAXONOMY (4)
PR: BOT 2010C. Identification and classification of the more interesting vascular plants of Florida; angiosperm evolution; principles of taxonomy. Conducted largely in the field. Lec.-lab. (Fall semester, odd years).

MCB 4833 SEMINAR IN BOTANY (1)
PR: Senior or advanced junior standing. May be repeated once. (S/U only. Spring & Fall semesters, irregular).

MCB 5185 TAXONOMY OF FLORIDA VASCULAR PLANTS (3)
PR: BOT 3143C or BOT 4713C or Cl. Identification of native and naturalized vascular plants of Florida; species composition of major plant communities. Field trips emphasized. Lec.-lab.

BOT 5185C MARINE BOTANY (3)
PR: BOT 2010C, PCB 4043C. A field course in marine plants with emphasis on ecology and functional morphology. Field work will stress the ecological aspects of plants in a subtropical marine environment in Florida. Lec.-lab.

BOT 5605 PLANT ECOLOGY (4)

BOT 5725C EVOLUTION OF FLOWERING PLANTS (3)
PR: BOT 4713C. A phylogenetic study of Angiosperms; relationship of the principal orders and families, problems of nomenclature, identification of specimens, comparisons of recent systems of classification, dissection of representative flower types. Field trips and lab work. Lec. (Spring semester, even years).

MCB 5938 SELECTED TOPICS IN BOTANY (1-3)
Each topic is a course in directed study under supervision of a faculty member.

Microbiology

APB 4053C APPLIED AND ENVIRONMENTAL MICROBIOLOGY (4)
PR: MCB 3030C. A study of the applications of microbiology to industry, agriculture, medicine, and sanitary engineering. Lec.-lab.

APB 5575C MEDICAL MYCOLOGY (4)
PR: MCB 3030C. A survey of the yeasts, molds, and actinomycetes most likely to be encountered by the bacteriologists, with special emphasis on the forms pathogenic for man.

MCB 3030C INTRODUCTION TO MICROBIOLOGY (4)
PR: BSC 2010C and 1 year College Chemistry. Organic chemistry and a course in genetics is recommended. Introduction to the biology of microorganisms: structure, physiology, and ecology of bacteria, algae, viruses, protozoa and lower fungi. The laboratory involves preparation of culture media, staining, pure culture method- odology, isolation of microbes from nature, enumeration techniques, resistance to infectious disease. Lec.-lab.

MCB 4115 DETERMINATIVE BACTERIOLOGY (5)
PR: MCB 3030C. Survey of bacterial classification; detailed examination of bacteria important to man in agriculture, in industry and as pathogens. Lec.-lab.

MCB 4404C MICROBIAL PHYSIOLOGY AND GENETICS (5)
PR: MCB 3030C, PCB 4023C, PCB 3063, and BCH 3023. A study of the physiological, metabolic, and genetic phenomena pertinent to understanding the growth, development, ecology, regulation, and reproduction of microorganisms. The course emphasizes the interdependence of physiological and genetic approaches to microbiology. Lec./Lab.

MCB 4486 EXPERIMENTAL MICROBIOLOGY (2)
PR: MCB 4505C and PCB 4233. This course is designed to develop practical laboratory skills and the concepts of experimental analysis in virology, and microbial genetics for microbiology students.

MCB 4505C VIRULOGY (3)
PR: MCB 3030C. The biology of viruses associated with plants, animals, and bacteria will be considered; the nature of viruses, mechanisms of viral pathogenesis, and interactions with host cells.

MCB 4934 SEMINAR IN MICROBIOLOGY (1)
PR: Senior or advanced junior standing. May be repeated. (S/U only.)

MCB 5206 PUBLIC HEALTH AND PATHOGENIC MICROBIOLOGY (3)
PR: MCB 3030C. A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and the impact of these infectious agents on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology.

MCB 5605 SYMBIOLOGY (3)
PR: A course in microbiology, cell biology or biochemistry and advanced standing. Consideration of mutualistic and parasitic symbioses between microbes and various animal, plant and microbio hosts from cellular, biochemical, evolutionary and ecological perspectives.

MCB 5938 SELECTED TOPICS IN MICROBIOLOGY (1-3)
Each topic is a course in directed study under supervision of a faculty member.

Zoology

APB 3190 HUMAN ANATOMY AND PHYSIOLOGY (5)
PR: BSC 2010C and ZOO 2010C. Lectures and discussions on the structure and function of the human body. For non-majors. May be taken by majors for free elective by S/U only.

ENY 4004 INTRODUCTION TO ENTOCLOGO (3)
PR: ZOO 3023 OR ZOO 3053C. An introduction to general aspects of insect morphology, development, and classification. The identification of local forms will be emphasized. Lec.-lab.

ENY 5505 AQUATIC ENTOCLOGO (3)
PR: ENY 4004. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec.-lab.

PCB 4184C HISTOLOGY (4)
PR: ZOO 2010C. Comparative approach to the study of tissues and the relation of their structure and function. Lec.-lab.

PCB 4743C ANIMAL PHYSIOLOGY (4)
PR: PCB 4023C. Advanced presentation of mechanisms employed by animals to interact with their environment and to maintain their organization. Lec.-lab.

PCB 5306C LIMNOLOGY (4)
PR: CI. An introduction to the physical, chemical, and biological nature of fresh-water environments. Lec.-lab.

PCB 5325C TERRESTRIAL ANIMAL ECOLOGY (3)
PR: PCB 4043C. Field and laboratory investigations of the basic principles of ecology as applied to terrestrial animals. Lec.-lab.

PCB 5335C BIOGEOGRAPHY (3)
PR: One year major's Biology. Principles and general patterns of terrestrial and marine animal and plant distributions.

ZOO 3303C INVERTEBRATE ZOOLOGY (4)
PR: ZOO 2010C. An introduction to the major invertebrate groups, with emphasis on local forms. Field work will be required. Lec.-lab.

ZOO 3713C COMPARATIVE VERTEBRATE ANATOMY (4)
PR: ZOO 2010C. Anatomy of selected vertebrate types emphasizing evolutionary trends. (Spring Sem.)

ZOO 3823C BIOLOGY OF TERRESTRIAL ARTHROPODS (4)
PR: ZOO 2010C. An introduction to the biology of insects, spiders and centipede and millipede groups. Lectures and laboratories will emphasize anatomy, physiology, behavior, and ecology of these organisms. Field work will be required. Lec.-lab.

ZOO 4502C ANIMAL SOCIAL BEHAVIOR (4)
PR: ZOO 2010C. An introduction to comparative animal behavior (Ethology), with emphasis on communication, social use of space, and behavioral evolution. Lec.-lab.

ZOO 4583C PRIMATE SOCIAL BEHAVIOR (3)
PR: ZOO 4503C. An introduction to primate social behavior and behavioral ecology.

ZOO 4693 ANIMAL EMBRYOLOGY (4)
PR: PCB 4023C. Structural and functional events involved in differ-
entiation and morphogenesis. Lec.-lab.

ZOO 5235C PARASITOLOGY (4)
PR: ZOO 2010C. Fundamentals of animal parasitology and parasitism, the biology of selected animal parasites, including those of major importance to man. Lec.-lab.

ZOO 5425C HERPETOLOGY (4)
PR: ZOO 3713C. Cl. Major aspects of amphibian and reptilian biology emphasizing fossil history, evolutionary morphology, sensory physiology, life history and reproductive behavior. Lec.-lab. Field trip.

ZOO 5475C ORNITHOLOGY (4)

ZOO 5555C MARINE ANIMAL ECOLOGY (4)
PR: PCB 4043C and ZOO 3203C. Investigation of energy flow, biogeochemical cycles, and community structure in marine environments. Lec.-lab.

ZOO 5926 SELECTED TOPICS IN ZOOLOGY (1-3)
PR: Cl. Each topic is a program in directed study under supervision of a faculty member.

CHEMISTRY

BCH 3023 INTRODUCTORY BIOCHEMISTRY (3)
PR: CHM 3200 or CHM 3211 and BSC 2010C. Introduction to the chemistry and intermediary metabolism of biologically important substances. Lec.

BCH 3023L BASIC BIOCHEMISTRY LABORATORY (2)
CR: BCH 3023. Practical work in determination and characterization of important biomolecules. Lec.-lab.

BCH 4034 ADVANCED BIOCHEMISTRY (3)
PR: BCH 3023. An advanced undergraduate course emphasizing such topics as metabolic regulation, DNA and RNA structure and function, receptors, channels, antibodies, and contraction.

BCH 5045 BIOCHEMISTRY CORE COURSE (3)
PR: Either CHM 3211, CHM 3211L, and CHM 3400 or CHM 4410 or graduate standing. A one-semester survey course in biochemistry for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates. Lec.

CHM 2020 CURRENT ISSUES IN CHEMISTRY (3)
A survey of the important current issues in which chemistry affects our lives; e.g., environment, drugs, cancer, warfare, etc. No credit for chemistry majors.

CHM 2021 CHEMISTRY FOR TODAY (3)
A one semester terminal course designed to survey some of the important concepts and technologies of modern chemistry. No credit for science majors.

CHM 2030 INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY I (3)
First half of a two-semester sequence. Fundamental concepts of general, organic, and biological chemistry. No credit for science majors.

CHM 2031 INTRODUCTION TO GENERAL, ORGANIC AND BIOCHEMISTRY II (3)
PR: CHM 2030. Second half of general, biological and organic chemistry. No credit for science majors.

CHM 2045 GENERAL CHEMISTRY I (3)
PR: Two years of High School Algebra and one course in High School Chemistry. Fundamentals of chemistry; mass and energy relationships in chemical changes, equilibrium, chemical kinetics, atomic and molecular structure, descriptive chemistry of selected elements. Lec.-dis.

CHM 2046 GENERAL CHEMISTRY II (3)
PR: CHM 2045 or equivalent. Continuation of General Chemistry. Lec.-dis.

CHM 2046L GENERAL CHEMISTRY II LABORATORY (1)
CR: CHM 2045L. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2046L GENERAL CHEMISTRY II LABORATORY (1)
CR: CHM 2045. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2046L GENERAL CHEMISTRY II LABORATORY (1)
CR: CHM 2045L. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2045L GENERAL CHEMISTRY II LABORATORY (1)
CR: CHM 2045. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2045L GENERAL CHEMISTRY II LABORATORY (1)
CR: CHM 2045L. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.

CHM 2046L GENERAL CHEMISTRY II LABORATORY (1)
CR: CHM 2045L. Laboratory portion of General Chemistry I. Introduction to laboratory techniques; study of properties of elements and compounds; synthesis and analysis of natural and commercial materials.
### GEOLOGY

- **GLY 2010** (formerly GLY 2016) **PHYSICAL GEOLOGY**
  - Study of minerals, rocks, and processes of the earth's crust. Introduction to origin and classification of earth's materials and landforms. Lec.-lab.

- **GLY 2100** **EARTH HISTORY**
  - A course in geology. Study of the physical and biological history of the earth including evolution of the major groups of organisms, continental drift, and interpretation of ancient environments. Lec.-lab.

- **GLY 2850** **ENVIRONMENTAL GEOLOGY**
  - A first course in geology emphasizing environmental aspects of the earth's crust, such as earthquakes, depletion of the earth's resources, water supply problems, and geologic land use and planning. No credit for geology majors.

- **GLY 2890** **SELECTED TOPICS IN GEOLOGY**
  - Topical courses in geology of general interest. Does not count toward the geology major.

- **GGLY 4510** **GEOLGY OF OUR NATION'S PARKS**
  - Representative national, state, and local parks are used to illustrate fundamental concepts of geology, hydrology, and the environment. For non-science majors. No credit for geology majors.

- **GGLY 3400** **STRUCTURAL GEOLOGY**
  - PR: 12 hours of geology, MAC 2132 or equivalent or C1. Study of the origin and development of structural features of the earth's crust. Applications of principles of geology, physics, and mathematics to understanding relationships of strata and interpreting structural features. Study of regional tectonics and major structural provinces. Lec.-lab.

- **GGLY 3830** **GEOLOGY FOR ENGINEERS**
  - PR: Junior standing in College of Engineering or C1. An examination of geologic materials and processes designed for engineering students; classification and properties of earth materials, surface processes, site investigation techniques, applications of geology to the solution of engineering problems. (No credit toward the geology major, or for those with credit for GGLY 2010.)

- **GGLY 4200** **MINERALOGY-PETROLOGY I**
  - PR: Physical Geology, one year of chemistry and college trigonometry or equivalent or C1. Principles of crystal chemistry, crystallography and mineralogy with emphasis on common rock-forming minerals. Lec.-lab.

- **GGLY 4220** **MINERALOGY-PETROLOGY II**
  - PR: GGLY 4200 or C1. Theory and use of polarized light microscopy as a means of mineral identification. Special emphasis is placed on the identification of igneous and metamorphic rocks in hand specimen and thin-section. Lec.-lab.

- **GGLY 4510** **STRATIGRAPHY AND PETROLEUM GEOLOGY**
  - PR: GGLY 4500. Emphasis on classical principles of litho- and biostratigraphy, basin analysis, geophysical well logging, origin and occurrence of petroleum. Exploration methods are emphasized. Lec.-lab.

- **GGLY 4550** **DEPOSITIONAL SYSTEMS**
  - PR: GGLY 2010, GGLY 2100 or equivalent. Study of modern sedimentary environments and their relationships to one another in order to understand environments preserved in the rock record. Physical, chemical, and biological aspects of terrestrial, transitional and marine sedimentary environments will be examined in light of their eventual preservation in rocks.

- **GGLY 4555** **SEDIMENTOLOGY**
  - PR: GGLY 4220, GGLY 4550 or C1. Analysis of sedimentary rocks and sedimentary structures as related to their environments of deposition. Textural and mineralogical study of sediments and statistical applications to sediment analysis. Lec.-lab.-field trips.
Use of the polarizing microscope for thin-section analysis will be emphasized, and other modern methods of study will be employed. Lec.-lab.

**GLY 5450 PRINCIPLES OF APPLIED GEOPHYSICS**

PR: Senior standing, one year of college physics and calculus, or Cl. Survey of modern exploration geophysics, including gravimetric, magnetic, electric, and seismic methods as applied to resource exploration and site investigations. Lec.-lab.-field trips.

**GLY 5792 GEOLOGICAL FIELD EXCURSION**

PR: GLY 3400, GLY 4550, and GLY 4750. Lectures and 2-3 week field excursion to study regional geology, structure and lithogenesis of geologically complex terrain. Mapping and outcrop description techniques are emphasized. Destination of trip varies. Trip requires camping and vigorous physical activity. Lec.-field trip.

**GLY 5825 ADVANCED HYDROGEOLOGY**

PR: GLY 4820, MAC 3282 or MAC 3312 or Cl. Flow systems, analytical and numerical solutions to ground water flow problems. Emphasis on the theoretical aspects of ground water flow systems and their interaction with the geologic framework. Lec.

**GLY 5850 STATISTICAL MODELS IN GEOLOGY**

PR: STA 3023 or equivalent or Cl. Application of statistical methods to geologic problems. Emphasis on sampling plans, nature of geologic distributions, and application of analyses of variance to solving geological problems. Lec.

**GLY 5892 SELECTED TOPICS IN GEOLOGY**

PR: Senior or advanced junior standing and CC. Each topic is a course in directed study under supervision of a faculty member. All areas of geology included. Departmental permission required prior to registration.

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**MARINE SCIENCE**

**Graduate Courses**

**OCB 5050 BIOLOGICAL OCEANOGRAPHY**

PR: Graduate standing, Cl. The study of life in the sea with reference to distribution, reproduction, adaptation, competition, and populations. Lec.-lab.

**OCC 5050 CHEMICAL OCEANOGRAPHY**

PR: CHM 2046 and Cl. The ocean as a chemical system, including composition, physical-chemical aspects, role of nutrients, trace metals, interaction between bottom and overlying water, modern methods of analysis in routine use in oceanography. Lec.-lab.

**OCC 5067 MARINE POLLUTION**

PR: OCC 5050 or Cl. Marine pollutant sources, reservoirs, transport processes, and dynamics. Topics include heavy metals, chlorinated hydrocarbons, radio activity, petroleum, pathogens, and thermal pollution including functional and physiological responses of marine organisms.

**OCE 3001 INTRODUCTION TO OCEANOGRAPHY**

Overview of biological, chemical, geological, and physical oceanography. Does not count as a Geology elective. (Also listed under Marine Science.)

**GLY 5241 GENERAL GEOCHEMISTRY**

PR: One year college chemistry, GLY 4200 or Cl. Applications of basic chemical concepts are used to investigate and explain geological processes, the age and formation of the earth, and environmental conditions.

**GLY 5245 ANALYTICAL TECHNIQUES IN GEOLOGY**

PR: One year college chemistry, GLY 4220 or Cl. Use and application of modern analytical methods including X-ray, atomic absorption, and other geochemical techniques. Interpretation and statistical analysis of data acquired. Lec.-lab.

**GLY 5310 IGNEOUS AND METAMORPHIC PETROLOGY**

PR: GLY 4220. Systematic study of igneous and metamorphic rocks and complexes, including origin, composition, and classification.

Use of the polarizing microscope for thin-section analysis will be emphasized, and other modern methods of study will be employed. Lec.-lab.

**MARINE SCIENCE**

**Graduate Courses**

**OCB 5050 BIOLOGICAL OCEANOGRAPHY**

PR: Graduate standing, Cl. The study of life in the sea with reference to distribution, reproduction, adaptation, competition, and populations. Lec.-lab.

**OCC 5050 CHEMICAL OCEANOGRAPHY**

PR: CHM 2046 and Cl. The ocean as a chemical system, including composition, physical-chemical aspects, role of nutrients, trace metals, interaction between bottom and overlying water, modern methods of analysis in routine use in oceanography. Lec.-lab.

**OCC 5067 MARINE POLLUTION**

PR: OCC 5050 or Cl. Marine pollutant sources, reservoirs, transport processes, and dynamics. Topics include heavy metals, chlorinated hydrocarbons, radio activity, petroleum, pathogens, and thermal pollution including functional and physiological responses of marine organisms.

**OCE 3001 INTRODUCTION TO OCEANOGRAPHY**

Overview of biological, chemical, geological, and physical oceanography. Does not count as a Geology elective. (Also listed under Marine Science.)

**GLY 5241 GENERAL GEOCHEMISTRY**

PR: One year college chemistry, GLY 4200 or Cl. Applications of basic chemical concepts are used to investigate and explain geological processes, the age and formation of the earth, and environmental conditions.

**GLY 5245 ANALYTICAL TECHNIQUES IN GEOLOGY**

PR: One year college chemistry, GLY 4220 or Cl. Use and application of modern analytical methods including X-ray, atomic absorption, and other geochemical techniques. Interpretation and statistical analysis of data acquired. Lec.-lab.

**GLY 5310 IGNEOUS AND METAMORPHIC PETROLOGY**

PR: GLY 4220. Systematic study of igneous and metamorphic rocks and complexes, including origin, composition, and classification.

Use of the polarizing microscope for thin-section analysis will be emphasized, and other modern methods of study will be employed. Lec.-lab.

**MARINE SCIENCE**

**Graduate Courses**

**OCB 5050 BIOLOGICAL OCEANOGRAPHY**

PR: Graduate standing, Cl. The study of life in the sea with reference to distribution, reproduction, adaptation, competition, and populations. Lec.-lab.

**OCC 5050 CHEMICAL OCEANOGRAPHY**

PR: CHM 2046 and Cl. The ocean as a chemical system, including composition, physical-chemical aspects, role of nutrients, trace metals, interaction between bottom and overlying water, modern methods of analysis in routine use in oceanography. Lec.-lab.

**OCC 5067 MARINE POLLUTION**

PR: OCC 5050 or Cl. Marine pollutant sources, reservoirs, transport processes, and dynamics. Topics include heavy metals, chlorinated hydrocarbons, radio activity, petroleum, pathogens, and thermal pollution including functional and physiological responses of marine organisms.

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Overview of biological, chemical, geological, and physical oceanography. Does not count as a Geology elective. (Also listed under Marine Science.)

**GLY 5241 GENERAL GEOCHEMISTRY**

PR: One year college chemistry, GLY 4200 or Cl. Applications of basic chemical concepts are used to investigate and explain geological processes, the age and formation of the earth, and environmental conditions.

**GLY 5245 ANALYTICAL TECHNIQUES IN GEOLOGY**

PR: One year college chemistry, GLY 4220 or Cl. Use and application of modern analytical methods including X-ray, atomic absorption, and other geochemical techniques. Interpretation and statistical analysis of data acquired. Lec.-lab.

**GLY 5310 IGNEOUS AND METAMORPHIC PETROLOGY**

PR: GLY 4220. Systematic study of igneous and metamorphic rocks and complexes, including origin, composition, and classification.
COP 4210 MATHEMATICAL PROBLEM SOLVING USING PASCAL -6A (3) PR: MAS 3103, and the ability to program at least one other language. The highly structured programming language PASCAL is used to solve numerical and non-numerical problems in mathematics involving graph theory, combinatorics, and number theory. Non-numerical data structures and algebraic manipulation are emphasized.

MAA 2121 ADVANCED CALCULUS I -6A (4) PR: MAC 3313 or MAC 3283 with a grade of "C" or better, MAS 4301 and MAS 3103 or CI. A theoretical treatment of differential and integral calculus of one and several variables. Emphasis on techniques of proof. Topics covered include: infinite series, the Riemann integral, multiple integrals, line and surface integrals, Stokes' theorem, and the implicit function theorem.

MAA 2122 ADVANCED CALCULUS II -6A (4) PR: MAA 2121. Continuation of MAA 2121.

MAD 5306 REAL ANALYSIS I (3) PR: MAD 5405. Real analysis spaces, limits, continuity, differentiation, convergence, Riemann-Stieltjes integration, Lebesgue measure and integration on the real line.

MAD 5307 REAL ANALYSIS II (3) PR: MAD 5306. Continuation of MAD 5306.

MAD 5405 APPLIED COMPLEX ANALYSIS (3) PR: CI. Complex numbers, analytic and harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.)

MAD 5403 TOPICS IN COMPLEX ANALYSIS (3) PR: MAD 5405. Univalent and Multivalent functions, entire functions, approximation theory in the plane.

MAC 2102 COLLEGE ALGEBRA -6A (3) PR: Passing score on placement test. Students should have the equivalent of two years high school math including one year of algebra or HCC mathematics course MAT 1033 taught on USF campus. Real numbers and their properties, algebraic expressions, equations and inequalities, functions, polynomials, exponential and logarithmic functions. Not for math majors. (No credit for students with credit in MAC 2132.)

MAC 2114 (formerly MAC 1114) COLLEGE TRIGONOMETRY -6A (2) PR: Passing placement test. Angles, Trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for students with credit in MAC 2132.)

MAC 2132 (formerly MAC 1132) COLLEGE ALGEBRA AND TRIGONOMETRY -6A (4) PR: Two years of secondary school mathematics including one year of algebra or HCC mathematics course MAT 1033, taught on USF campus or CI.Pass placement test in algebra. Real numbers and their properties, algebraic expression, equations and inequalities, functions, polynomials, exponential and logarithmic functions. Angles, Trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for MAC 2132 for students with credit in MAC 3233 or MAC 3231.)

MAC 3233 ELEMENTARY CALCULUS I -6A (4) PR: Pass placement test in algebra. Students should have two years of secondary school mathematics including one year of algebra or HCC mathematics course MAT 1033 taught on USF campus or CI. Algebra, functions, differentiation, applications. MAC 3233-MAC 3234 is primarily for students from Biological Sciences, Social Sciences, and Business. (No credit for math majors or students with credit in MAC 2132 or MAC 3111.)

MAC 3234 ELEMENTARY CALCULUS II -6A (4) PR: MAC 3233. Antiderivatives, the definite integral, techniques of integration, logarithmic and exponential functions, applications. (No credit for Mathematics majors or students with credit in MAC 3282 or MAC 3312.)

MAC 3281 ENGINEERING CALCULUS I -6A (3) PR: MAC 2132 with a "C" or better or CI. Pass placement tests in algebra and trigonometry. Differentiation, limits, differentials, extrema, indefinite integral. (No credit for students with credit in MAC 3233 or MAC 3311.)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 5345</td>
<td>APPLIED PARTIAL DIFFERENTIAL EQUATIONS</td>
<td>3</td>
<td>PR: MAP 5407 and Cl. Separation of variables, the heat equation, wave equation, Laplace's equation, classification, Green's functions, with emphasis on applications.</td>
</tr>
<tr>
<td>MAS 3103</td>
<td>LINEAR ALGEBRA -6A</td>
<td>3</td>
<td>CR: MAC 3283 or 3313, or Cl. Linear equations, matrices, real vector spaces, relationship between linear transformations and matrices, determinants, inner product spaces, eigenvalues and eigenvectors.</td>
</tr>
<tr>
<td>MAS 3124</td>
<td>NUMERICAL LINEAR ALGEBRA -6A</td>
<td>3</td>
<td>PR: MAS 3103. This course will consider efficient and stable numerical methods for dealing with matrix computations such as the solution of systems, calculation eigenvalues and vectors, least squares, and so on.</td>
</tr>
<tr>
<td>MAS 4156</td>
<td>VECTOR ANALYSIS -6A</td>
<td>3</td>
<td>PR: MAC 3313 or MAC 3283 or Cl. The algebra and calculus of vectors, line and surface integrals, Divergence Theorem, Stokes' Theorem, generalized coordinates, applications. (No credit for both MAA 4211 and MAS 4156.)</td>
</tr>
<tr>
<td>MAS 4301</td>
<td>ELEMENTARY ABSTRACT ALGEBRA -6A</td>
<td>3</td>
<td>PR: MAC 3311, MAC 3281, or Cl. An introduction to basic set theory: sets, functions, and relations. An introduction to the basic algebraic structures: groups, rings, and fields. Homomorphisms and isomorphisms. A rigorous treatment of the real and complex number systems.</td>
</tr>
<tr>
<td>MAS 5107</td>
<td>ADVANCED LINEAL ALGEBRA -6A</td>
<td>3</td>
<td>PR: MAS 3103, MAS 4301 (or MIF 3102) or Cl; CR: MAS 5311. The study of finite dimensional vector spaces over arbitrary fields. Topics covered include dual spaces, canonical forms for linear transformations, inner product spaces, orthogonal, unitary and self-adjoint operators and quadratic forms.</td>
</tr>
<tr>
<td>MAS 5215</td>
<td>NUMBER THEORY</td>
<td>3</td>
<td>PR: CC. Congruences, quadratic residues, selected topics.</td>
</tr>
<tr>
<td>MAS 5311</td>
<td>ALGEBRA I</td>
<td>3</td>
<td>PR: MAC 3313, MAS 5107, MAS 4301. An introduction to group theory.</td>
</tr>
<tr>
<td>MAS 5312</td>
<td>ALGEBRA II</td>
<td>3</td>
<td>PR: MAS 5311. An introduction to Galois theory.</td>
</tr>
<tr>
<td>MAT 2930</td>
<td>SELECTED TOPICS IN MATHEMATICS (1-4)</td>
<td>1-4</td>
<td>PR: Cl. The course content will depend on the interest of faculty members and student demand.</td>
</tr>
<tr>
<td>MAT 4906</td>
<td>INDEPENDENT STUDY -6A</td>
<td>1-4</td>
<td>PR: Specialized independent study determined by the student's needs and interests. The written contract required by the College of Natural Sciences specifies the regulations governing independent study. May be repeated. (S/U only.)</td>
</tr>
<tr>
<td>MAT 4930</td>
<td>SELECTED TOPICS IN MATHEMATICS -6A</td>
<td>1-4</td>
<td>PR: Cl. The course content will depend on the interest of faculty members and student demand.</td>
</tr>
<tr>
<td>MAT 4937</td>
<td>MATHEMATICS MAJORS SEMINAR -6A</td>
<td>1</td>
<td>Directed discussions on a variety of topics of interest to math majors, including career opportunities in mathematics. May be repeated up to 2 credit hours. (S/U only.)</td>
</tr>
<tr>
<td>MAT 4939</td>
<td>MATHEMATICS HONORS SEMINAR -6A</td>
<td>1</td>
<td>PR: Admission to Mathematics Honors Program or CC. Directed discussions on a variety of topics of mathematical interest. May be repeated up to 6 credit hours. (S/U only.)</td>
</tr>
<tr>
<td>MAT 4970</td>
<td>MATHEMATICS SENIOR THESIS -6A</td>
<td>3</td>
<td>PR: Admission to Mathematics Honors Program and CC. Course restricted to mathematics majors. (S/U only.)</td>
</tr>
<tr>
<td>MAT 5932</td>
<td>SELECTED TOPICS (1-4)</td>
<td>1-4</td>
<td>PR: Senior or Junior Standing and CC. Each topic is a course of study. 01-History of Mathematics, 03-Logic and Foundations, 05-Number Theory, 07-Topics in Algebra, 09-Mathematics for Physics, 11-Topics in Probability and Statistics, 13-Topics in Analysis, 15-Topics in Topology.</td>
</tr>
<tr>
<td>MGF 2130</td>
<td>MODERN MATHEMATICS WITH MICROCOMPUTERS -6A</td>
<td>4</td>
<td>PR: Same as for MGF 2202. Topics in finite math, real vs. computer number systems, inequalities, functions, graphs, introduction to BASIC programming and microcomputers, exact and approximate solutions of algebraic equations, probability, computer simulations of models.</td>
</tr>
<tr>
<td>MGF 2202</td>
<td>FINITE MATHEMATICS -6A</td>
<td>3</td>
<td>PR: Passing score on placement test. Students should have the equivalent of two years high school math including one year of algebra or HCC mathematics course MAT 1033 taught on USF campus. Linear functions, matrices and systems of linear equations, linear programming, logic sets, permutations and combinations, introduction to statistics, introduction to probability.</td>
</tr>
<tr>
<td>MIF 3102</td>
<td>LOGIC AND SET THEORY -6A</td>
<td>3</td>
<td>PR: MAC 3311 or MAC 3281, or consent of instructor. First half: An introduction to the Propositional and Predicate Calculi, concentrating on proofs. Second half: An introduction to naive set theory, up to cardinal numbers, concentrating on sets of numbers.</td>
</tr>
<tr>
<td>MIF 5306</td>
<td>ELEMENTARY MATHEMATICAL LOGIC</td>
<td>3</td>
<td>PR: CC. Truth tables, tautologies, quantifiers, rules of inference, informal proofs in mathematics.</td>
</tr>
<tr>
<td>MIF 5405</td>
<td>HISTORY OF MATHEMATICS</td>
<td>3</td>
<td>PR: MAC 3313. Traces the development of mathematical ideas through history. Special emphasis is placed on those concepts which led to the Calculus. This course is open to majors and non-majors alike.</td>
</tr>
<tr>
<td>MTG 4212</td>
<td>GEOMETRY -6A</td>
<td>3</td>
<td>PR: MAC 3311. Emphasis on axiomatics, advanced Euclidean geometry, elements of projective geometry, non-Euclidean geometries.</td>
</tr>
<tr>
<td>MTG 5317</td>
<td>TOPOLOGY II</td>
<td>3</td>
<td>PR: MTG 5316. Continuation of MTG 5316.</td>
</tr>
<tr>
<td>STA 3023</td>
<td>INTRODUCTORY STATISTICS I -6A</td>
<td>4</td>
<td>PR: STA 3023 or CC. Factorials, ANCOV; multiple curvilinear regression; response surfaces; Latin squares, Split Plots, incomplete designs; distribution free methods.</td>
</tr>
<tr>
<td>STA 3024</td>
<td>INTRODUCTORY STATISTICS II -6A</td>
<td>3</td>
<td>PR: STA 3023 or CC. Factorials, ANCOV; multiple curvilinear regression; response surfaces; Latin squares, Split Plots, incomplete designs; distribution free methods.</td>
</tr>
<tr>
<td>STA 3046</td>
<td>ELEMENTARY PROBABILITY -6A</td>
<td>3</td>
<td>Counting techniques, probability, expectation, probability distributions, the law of large numbers. (No credit for Mathematics Majors.)</td>
</tr>
<tr>
<td>STA 4321</td>
<td>INTRODUCTION TO STATISTICS -6A</td>
<td>3</td>
<td>PR: STA 4442. Basic statistical methods. Estimation, hypothesis testing, regression, ANOVA, and nonparametric methods.</td>
</tr>
<tr>
<td>STA 4442</td>
<td>INTRODUCTION TO PROBABILITY -6A</td>
<td>3</td>
<td>PR: MAC 3313, MIF 4301. Introduction to probability theory using calculus. Basic ideas of probability and random variables, discrete probability functions, continuous probability densities including normal, gamma, x (Greek letter Chi), and Weibull, and transformations of random variables.</td>
</tr>
<tr>
<td>STA 5166</td>
<td>COMPUTATIONAL STATISTICS I</td>
<td>3</td>
<td>PR: STA 4321, CGS 3422 or CC. Statistical Analysis of data by means of statistics package programs. Regression, ANOVA, discriminant analysis, and analysis of categorical data. Emphasis is on inter-relation between statistical theory, numerical methods, and analysis of real life data.</td>
</tr>
<tr>
<td>STA 5206</td>
<td>STOCHASTIC PROCESSES</td>
<td>4</td>
<td>PR: STA 5446. Stochastic processes in discrete time, including Markov chains on a countable state space, martingales, optional</td>
</tr>
</tbody>
</table>
sampling and ergodic theory of stationary processes; simple continuous-time Markov processes with a countable state space, such as Poison Processes and Branching process. Renewal processes.

STA 5326 MATHEMATICAL STATISTICS (4)
PR: STA 5446. Sample distribution theory, point and interval estimation, optimality theory, statistical decision theory and hypothesis testing.

STA 5446 PROBABILITY THEORY I (3)
PR: STA 4442. MAA 5306. Axioms of probability, random variables in Euclidean spaces, moments and moment generating functions, modes of convergence, limit theory for sums of independent random variables.

STA 5447 PROBABILITY THEORY II (3)
PR: STA 5446. Proof of strong law of large numbers, characteristic functions, Lindeberg-Feller theorem, uniform integrability, martingale inequalities and convergence theorems, Birkhoff's ergodic theorem, subadditive ergodic theorem and applications.

STA 5526 NON-PARAMETRIC STATISTICS (4)
PR: STA 5526, CC. Theory and methods of non-parametric statistics, order statistics, tolerance regions and their applications.

MEDICAL TECHNOLOGY
MLS 3031 INTRODUCTION TO MEDICAL TECHNOLOGY (1)
PR: Senior standing and acceptance into an approved affiliated hospital. An introduction to the principles and practices of medical technology and their relationship to patient care. A hospital internship course for medical technology majors.

MLS 4860 CLINICAL MICROSCOPY I (2)
PR: Senior standing and acceptance into an approved affiliated hospital. Lecture and laboratory instruction such as urinalysis, parasitology, and histological technique. A hospital internship course for medical technology majors.

MLS 4861 CLINICAL MICROSCOPY II (4)
PR: Senior standing and acceptance into an approved affiliated hospital. A continuation of MLS 4215. A hospital internship course for medical technology majors.

MLS 4862 HEMATOLOGY (6)
PR: Senior standing and acceptance into an approved affiliated hospital. Lecture and laboratory instruction in the methods of study of hematological disorders. A hospital internship course for medical technology majors.

MLS 4863 CLINICAL BACTERIOLOGY (6)
PR: Senior standing and acceptance into an approved affiliated hospital. Instruction in lecture and laboratory on the various aspects of morphology, physiology, and classification of bacteria, especially those related to disease. A hospital internship course for medical technology majors.

MLS 4864 CLINICAL CHEMISTRY I (1)
PR: Senior standing and acceptance into an approved affiliated hospital. Instruction in the techniques and procedures for use in clinical chemical analyses. A hospital internship course for medical technology majors.

MLS 4865 CLINICAL CHEMISTRY II (4)
PR: Senior standing and acceptance into an approved affiliated hospital. A continuation of MLS 4864, including procedures required for serology, transfusions, blood preservation, and antibody studies. A hospital internship course for medical technology majors.

MLS 4866 CLINICAL LABORATORY INSTRUMENTAL ANALYTICAL TECHNIQUES (1)
PR: Senior standing and acceptance into an approved affiliated hospital. Instruction in the use of special laboratory instruments such as automated instruments, use of radioisotopes, and techniques of measuring basal metabolism. A hospital internship course for medical technology majors.

PHYSICS
PHZ 3101 MATHEMATICAL ANALYSIS OF PROBLEMS IN MECHANICS AND ELECTRICITY (2)
PR: One year of non-calculus general physics. CR: MAC 3283 or MAC 3311. Designed for students who have not had the general physics sequence using calculus. Review of mechanics and electricity emphasizing problems which involve the use of calculus. Semesters: Fall, Spring.

PHZ 3102 PROBLEMS IN GENERAL PHYSICS I (1)
CR: PHY 3048. First semester of two semester sequence of general physics problems. A course designed to allow those interested students to investigate problems not covered in the general physics course. Lec. Semesters: Fall, Spring, Summer.

PHZ 3103 PROBLEMS IN GENERAL PHYSICS II (1)

PHZ 5115 METHODS OF THEORETICAL PHYSICS I (3)
PR: MAP 4302 or Cl. Applications of mathematical techniques to classical and modern physics. Selected topics in complex analysis, differential and integral equations, numerical methods, and probability theory. Spring Semester.

PHZ 5304 NUCLEAR PHYSICS (3)
PR: PHY 4604 or Cl. Nuclear forces, nuclear models, nuclear structure, decay, nuclear reaction, and high energy physics. Spring Semester.

PHZ 5405 SOLID STATE PHYSICS I (3)
PR: PHY 3101, MAP 4302. Crystal structure, x-ray and electron diffraction, mechanical and thermal properties of solids, electrical and magnetic properties of band, metal of band, insulators, and semiconductors. First semester of sequence PHZ 5405, PHZ 6426. Spring Semester.

PHZ 5505 PLASMA PHYSICS I (3)
PR: PHY 4324C or Cl. Introduction to Boltzmann, magnetohydrodynamic and orbit approaches to plasmas. Longitudinal and electromagnetic waves in plasmas. Collisions and radiation. Instabilities. Fall Semester.

PHY 2020 CONCEPTUAL PHYSICS (4)
A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today. (No credit for physics or mathematics majors.) Semesters: Fall, Spring, Summer.

PHY 2038 ENERGY AND HUMANITY (3)
Social, economic, and political aspects of energy, including energy conservation, energy alternatives, personal use of solar energy, and changing life styles. Field trips and audiovisual presentations play important roles.

PHY 3048, 3048L GENERAL PHYSICS AND LABORATORY (3, 1)
PR: MAC 3282 or MAC 3311. First semester of a two semester sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. Semesters: Fall, Spring, Summer.

PHY 3049, 3049L GENERAL PHYSICS AND LABORATORY (3, 1)
PR: MAC 3282 or MAC 3312, PHY 3048, PHY 3048L. Second semester of general physics and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. Semesters: Fall, Spring, Summer.

PHY 3053, 3053L GENERAL PHYSICS AND LABORATORY (3, 1)
PR: PHY 3053, PHY 3053L. Second semester of general physics and
PHY 301 MODERN PHYSICS (3)

PHY 3221 MECHANICS I (3)
CR: MAC 3283 or MAC 3313 and either PR: PHY 3048 or PHY 3101. First semester of a two semester sequence. Review of vector algebra and vector calculus. Dynamics of single particles and systems of particles; central forces; rotation about an axis; statics; and virtual work. Fall Semester.

PHY 3323C ELECTRICITY AND MAGNETISM I (4)
PR: PHY 3049, MAC 3283 or MAC 3313. Electromagnetic circuits; resistance, capacitance, inductance, direct and alternating current circuits, thermodclectricity, and instrumentation. Laboratory. First semester of sequence PHY 3323C, PHY 4324C.

PHY 3424 OPTICS (4)
PR: PHZ 3101 or PHY 3049; CR: MAC 3283 or MAC 3313. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory. Fall Semester.

PHY 3822L INTERMEDIATE LABORATORY (2)
PR: PHY 3101 or PHY 3049 or equivalent. Experiments in modern physics, including the area of atomic, nuclear, solid state and wave phenomena. Fall Semester.

PHY 4222 MECHANICS II (3)
PR: PHY 3121; CR: MAP 4302. Continuation of PHY 3221. Coupled oscillators and normal modes; moving coordinate systems; Lagrange's and Hamilton's equations; inertia tensor; general rotation of rigid bodies. Spring Semester.

PHY 4324C ELECTRICITY AND MAGNETISM II (4)
PR: PHY 3323C or CR: MAP 4302. Electrostic fields, magnetic fields of steady currents, dielectrics and magnetic materials, Maxwell's equations. Second semester of sequence PHY 3323C, PHY 4324C. Fall Semester. Laboratory.

PHY 4471 FUNDAMENTAL ACoustics (3)

PHY 4523 STATISTICAL PHYSICS (3)

PHY 4604 QUANTUM MECHANICS I (3)
PR: PHY 3101, PHY 4222, or CR. Postulates, Schrodinger's equation, one dimensional problems, matrix mechanics, uncertainty principle, angular momentum, and central forces. First semester of sequence PHY 4604, PHY 5624. Fall Semester.

PHY 4744C ELECTRONICS FOR RESEARCH (3)
PR: General Physics or CR. Direct and alternating current circuits, transients, rectification, amplification; feedback, pulse circuits, and integrated circuits, laboratory. (No credit for physics or mathematics majors.) Semesters: Fall, Spring.

PHY 4823L ADVANCED LABORATORY (2)
PR: PHY 3822L. Experimental work primarily related to nuclear physics. Emphasis on modern physical experimental techniques employing some of the new types of equipment. Spring Semester.

PHY 4905 INDEPENDENT STUDY (1-3)
PR: CR. Specialized, independent study determined by the student's need and interest. The written contract required by the College of Natural Sciences specifies the regulations governing independent study. May be repeated. (S/U only.)

PHY 4910 UNDERGRADUATE RESEARCH (1-4)
PR: Senior or advanced junior standing and CC. An individual investigation in the laboratory or library or both, under the supervision of the instructor. Credit hours and other contractual terms, are to be determined by student/instructor agreement. (S/U only.)

PHY 4930 PHYSICS SEMINAR (1)
PR: Senior or advanced junior standing or CC. All undergraduate physics majors must enroll in this course at least twice and are expected to attend all Physics Colloquia. (S/U only.)

PHY 4936 SELECTED TOPICS IN PHYSICS (1-4)
PR: Senior or advanced junior standing and CC. Each topic is a course in directed study and under the supervision of a faculty member.

PHY 5624 QUANTUM MECHANICS II (3)
PR: PHY 4604 or CR. Symmetries, identical particles, scattering approximation methods, Dirac equation, field quantizations. Spring Semester.

PHY 5720c ELECTRONICS (4)

PHY 5937 SELECTED TOPICS IN PHYSICS (1-4)
PR: Senior or advanced standing and CC. Each topic is a course in directed study under the supervision of a faculty member.
### Public and Community Health Education Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSC 2100</td>
<td>Contemporary Health Science</td>
<td>A comprehensive approach to health concerns and problems in contemporary society, including methods of assessing individual health needs.</td>
</tr>
<tr>
<td>HSC 4203</td>
<td>Introduction to Public Health</td>
<td>A survey of policies and programs in public/community health with emphasis on specific needs and problems of Florida.</td>
</tr>
<tr>
<td>HSC 4223</td>
<td>Preventive Health Practices in the Workplace</td>
<td>PR: Cl. The content of this course focuses on a survey of health problems and concerns as they exist in a variety of work environments. No prior education or experience in this area is required.</td>
</tr>
<tr>
<td>HSC 4541</td>
<td>Human Structure and Function</td>
<td>PR: Fundamentals of biology with lab or Cl. Major concepts of the structure and function of the human body systems and methods by which these concepts may be taught.</td>
</tr>
<tr>
<td>HSC 4554</td>
<td>Survey of Human Diseases</td>
<td>PR: Fundamentals of Biology with lab or Cl. An overview of the nature, types, and mechanisms of diseases of the major body systems.</td>
</tr>
<tr>
<td>HSC 5319</td>
<td>Health Problems of School Age Population</td>
<td>A study of health problems and needs of school age students, including a health status screening laboratory.</td>
</tr>
</tbody>
</table>
HUN 2201 NUTRITION
(3)
PR: Course work in chemistry and biology or permission of faculty.
Open to majors and non-majors. The study of fundamental principles
of normal nutrition as they relate to human life and growth
from conception through senescence, interpretation of current nutrition
information, and application of nutrition knowledge in the
establishment of good eating habits.

NGR 5970 COMPUTER APPLICATIONS IN NURSING
(2)
Explores applications of the computer as a tool to increase the
productivity of the nurse in research, practice, management, and
education. Available to majors.

NGR 5935 ETHICS IN HEALTH CARE
(3)
PR: Permission of the instructor. Theories and concepts of ethics
as applied to health care are presented through lecture and discussion.
Contemporary issues are analyzed in terms of their implications
for health care providers. Majors and non-majors.

NGR 5949C UNDERGRADUATE / GRADUATE
TRANSITION COURSE IN NURSING
(4)
PR: Baccalaureate degree; currently licensed R.N., and faculty
permission. Examine and clinically apply basic theoretical concepts
and principles underlying first level professional nursing.

NUR 3007 NURSING PROCESS
(2)
PR: RN student. PR or COR: NUR 3722C. This course focuses on the
nursing process and explores in depth the five phases, assessment,
analysis, planning, implementation, and evaluation, as they apply to
the care of clients.

NUR 3066C CLIENT ASSESSMENT I
(2)
PR: Permission of faculty. Focus is on application of history taking
and physical appraisal skills basic to biopsychosocial assessment
across the life span. Emphasizes assessment phase of the nursing
process and the use of skills and findings in the provision of nursing
care.

NUR 3067C INTRODUCTION TO COMMUNITY
HEALTH NURSING
(2)
PR: Admission to Nursing major or permission of faculty. Focuses on
theories, concepts and principles essential to the nursing care of
families across the life span in primary care settings. Emphasis is on
prevention, health promotion and health maintenance.

NUR 3117 INTRODUCTION TO PROFESSIONAL NURSING
(3)
PR: Admission to nursing major or permission of faculty. Introduction
to: historical development, philosophical, conceptual and theo-
retical bases of professional nursing; evolving roles and responsi-
bilities of nurses; socio-economic-political-legal-asethical aspects; the
health care system; issues and trends in health care and nursing.

NUR 3456 NURSING PROCESS II
(2)
PR: NUR 3117, 3068C, 3067C, 3615, 3615L. Focuses on theories,
concepts and principles essential to nursing of the childbearing
family; uses the nursing process in providing family centered mater-
nal/newborn care during normal intrapartal and post-partal parent-
ing experiences, and selected high risk childbearing situations.

NUR 3456L NURSING INTERVENTION II
(3)
PR: NUR 3117, 3068C, 3067C, 3615, 3615L. Clinical nursing prac-
tice course linked with NUR 3456. Focuses on nursing of normal
and selected high-risk maternal-newborn clients during normal intrapar-
tal and post-partal parenting experiences. Includes experience in
primary and secondary care settings.

NUR 3536 NURSING INTERVENTION III
(2)
PR: NUR 3117, 3066C, 3067C, 3615, 3615L. Explores the nursing
process as it relates to the psychiatric-mental health needs of clients
across the life span. Psychopathology, psychopharmacology,
nutrition, community mental health, growth and development, and
other pertinent theories and concepts are integrated.

NUR 3536L NURSING INTERVENTION III
(2)
PR: NUR 3117, 3066C, 3067C, 3615, 3615L. Clinical intervention
based on the nurse-client relationship. Provides opportunities to
apply knowledge from growth and development, biopsychopathol-
ogy and to explore use of self for therapeutic communication and
interpersonal relationships with clients in psychiatric/mental health
nursing.

NUR 3615 NURSING PROCESS I
(3)
PR: Admission to the Nursing major or permission of faculty. Introduction
to the nursing process and its application with clients in primary,
secondary and tertiary care settings. Focuses on the nursing process and concepts basic to nursing practice. Concepts
from physical, natural and social sciences are integrated.

NUR 3615L NURSING INTERVENTION I
(2)
PR: NUR 3066C or concurrent. Introduction to clinical nursing
practice in primary and secondary care settings. Focus is on
beginning application of the nursing process with clients across the
life span, and the practice of psychomotor and psychosocial skills.

NUR 3706 NURSING CONCEPTS IN SECONDARY CARE
(4)
PR: RN Student; CI: The focus of this course is on the concepts,
theory, and principles underlying the clinical nursing management of
clients/patients of all ages with health illness problems.

NUR 3706L NURSING PRACTICUM I
(2)
PR: RN student; CI: The focus of this course is on the implementa-
tion of concepts, theory and principles underlying the clinical
nursing management of clients/patients of all ages with health-illness problems.

NUR 3829 ETHICAL-LEGAL ASPECTS IN NURSING
AND HEALTH CARE
(2)
PR: Permission of faculty. Introduction to contemporary bioethical and
legal issues confronting health care providers in a variety of
settings. Focuses on identification of legal and ethical principles
underlying the decision-making process in nursing and health care.

NUR 3835 LEADERSHIP MANAGEMENT ASPECTS
IN COMMUNITY HEALTH NURSING
(2)
PR: NUR 3067C and 4256L. Focuses on nursing concepts and
theories underlying community/public health. Explores the evolv-
ing, autonomous and leadership roles of the community health
nurse and the socio-political-economic environments that impact
upon nursing practice in the community health care system.

NUR 4075 TRANSCULTURAL NURSING
(2)
Open to both students and care givers in health-related fields.
Designed to assist students to become aware of own values as
related to various cultural groups to identify health practices and
beliefs of these groups, health resources available and adaptive
measures by care givers to meet their needs.

NUR 4165 INTRODUCTION TO RESEARCH
(2)
PR: Permission of faculty. Introduction to nursing research with
focus on the steps of the research process and the identification of
researchable problems in nursing practice.

NUR 4256 NURSING PROCESS V
(2)
PR: NUR 3456, 3456L, 3536, and 3536L. Concurrent with NUR
4256L. Focus on nursing care of clients across the life span in
secondary and tertiary care settings. Emphasis is on interferences in
cell growth and proliferation, alterations in metabolic, regulatory
mechanisms and elimination. Concepts from physical, natural and
social sciences and community health are integrated.

NUR 4256L NURSING INTERVENTION IV
(4)
PR: NUR 3456, 3456L, 3536, and 3536L. Concurrent with NUR 4256.
Clinical nursing practice in secondary, tertiary and community
health care settings with clients of all age groups. Includes care of
NUR 4257 NURSING PROCESS VI (2)

NUR 4258 NURSING PROCESS VII (2)
PR: NUR 4256 and 4256L. Concurrent with NUR 4257, 4257L, and 4258. Focus on nursing care of clients (across the life span) in secondary and tertiary care settings with selected interferences in mobility and sensory function. Includes essential psychomotor skills.

NUR 4265 NURSING PROCESS VIII (2)
PR: NUR 4256, 4256L. Concurrent with NUR 4257, 4257L, and 4258. Focus on nursing care of clients with interferences in metabolic and regulatory mechanisms, elimination, reproductive system function, oxygenation, mobility and sensory function. Includes essential psychomotor skills.

NUR 4285C NURSING CONCEPTS IN PRIMARY CARE (4)
PR: RN student; CI. Focuses on concepts and principles essential to nursing clients across the life span in the community setting.

NUR 4707 NURSING CONCEPTS IN PRIMARY CARE (4)
PR: RN; CI. Integrates the concepts and content from NUR 4707 with clients across the life span into clinical settings which include public health agencies, VNA, and home health agencies.

NUR 4827C LEADERSHIP/MANAGEMENT CONCEPTS FOR NURSING PRACTICE (4)
PR: CI. Provides a basis for developing leadership skills and management techniques with individuals and groups in selected health care setting.

NUR 4837 LEADERSHIP/MANAGEMENT AND ROLE TRANSITION (3)
PR: NUR 4257L. Provides opportunities to apply principles of leadership and management to current practice as experienced in the preceptorship. To explore roles of the various health team members, to analyze legal/ethical parameters of current practice and to examine one's philosophy of nursing and its implications for practice.

NUR 4905C INDEPENDENT STUDY (1-5)
PR: Permission of faculty. Open to majors and non-majors. Individual or group investigation of problems relevant to the health of individuals or groups. Project requirements individually planned with faculty preceptor. May be repeated to maximum of 5 credits.

NUR 4935 SELECTED TOPIC IN NURSING (2-6)
PR: Junior or senior standing or permission of faculty. Content will depend upon student demand and faculty interest and may focus on any area relevant to nursing practice. May involve class, seminar, and/or clinical laboratory and may be repeated for different topics.

NUR 4938 HONORS SEMINAR (4)
PR: Acceptance into the honors program in nursing and CI. The Honors Seminar is designed to provide selected students with an opportunity to explore major works of nursing in-depth and to present, discuss, and defend a proposal for a research project.

NUH 4943L NURSING PRACTICUM III (4)
PR: All preceding courses in prescribed curriculum plan or permission of Dean. Individually planned experience in a clinical and/or functional area of professional nursing which is related to student's professional goals. Associated seminars and/or institutes.

NUR 4946L PRECEPTORSHIP (6)
PR: NUR 4257, 4257L, 4258, 4266. Concentrated clinical nursing practice (preceptorship) under faculty guidance. The nature and goals of the experience will be determined collaboratively by students, faculty and personnel from cooperating agencies where students elect experience.

NUR 4975 HONORS THESIS (2)
PR: Honors Seminar and CI. The student under the supervision of a faculty advisor will formalize, conduct, analyze and report in writing and orally a research project in nursing. May be repeated up to 2 credit hours. (S/U only.)
COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

AFRICAN AND AFRO-AMERICAN STUDIES
Director: F. U. Ohaegbulam; Professor: F. U. Ohaegbulam; Associate Professors: Nola A. Allen, K. R. Glover; Other Faculty: P. Taylor.

ANTHROPOLOGY

COMMUNICATION SCIENCES AND DISORDERS

CRIMINOLOGY

GEOGRAPHY

GERONTOLOGY

HISTORY

HUMAN SERVICES
Coordinator: L. C. Mullins; Professors: J. I. Kosberg, T. J. Northcutt, Jr., S. V. Saxton; Associate Professors: J. L. Garcia, A. S. Gilmore, W. P. Mangum, Visiting Faculty: Professor: W. Vasey; Other Faculty: B. Burton, J. A. Giordano.

INTERDISCIPLINARY SOCIAL SCIENCES
Director: M. Myerson; Professors: L. L. McAllister, J. Ochshorn, F. U. Ohaegbulam, S. M. D. Stamps, Jr.; Professor Emeritus: J. H. Williams; Associate Professors: N. A. Allen, K. R. Glover, M. Myerson, J. B. Snook; Assistant Professor: E. B. Breit; Lecturer: D. K. Lupton.

INTERNATIONAL STUDIES

PSYCHOLOGY

PUBLIC ADMINISTRATION
Professors: J. E. Freisst, S. A. MacManus, D. C. Menzel; Assistant Professor: J. L. Daly; Visiting Assistant Professor: M. Y. Hongko.

REHABILITATION COUNSELING
Chairperson: C. M. Pinkard; Professors: J. F. Dickman, W. G. Emeur, J. D. Rasch; Associate Professors: P. Gross, M. J. Landsman, C. M. Pinkard, T. J. Wright.

SCHOOL OF SOCIAL WORK
Chairperson: B. L. Yeigidis; Professor: T. J. Northcutt, Jr.; Associate Professors: J. A. Giordano, T. H. Hancock, W. S. Hatchison, Jr., A. A. Smith, P. L. Smith, R. J. Wilk, B. L. Yeigidis; Assistant Professors: E. B. Breit, P. A. d'Orondo, C. S. Roberts, K. Sohn; Visiting Faculty: W. Vasey; Courtesy Faculty: Professor: J. I. Kosberg; Associate Professor: D. Boone, A. J. Flood; Assistant Professors: M. L. Couté, A. E. Thomas; Instructor: L. Middleton.

SOCIOLOGY

WOMEN'S STUDIES
Coordinator: J. B. Snook; Professors: L. L. McAllister, J. Ochshorn; Professor Emeritus: J. H. Williams; Associate Professors: M. Myerson, J. B. Snook; Assistant Professor: E. B. Breit; Associate Professors: R. A. Banes, L. M. Whiteford.
<table>
<thead>
<tr>
<th>AFRICAN AND AFRO-AMERICAN STUDIES</th>
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</thead>
<tbody>
<tr>
<td><strong>AFA 2001</strong> INTRODUCTION TO THE BLACK EXPERIENCE [IN AFRICA AND ITS DIASPORA] -6A</td>
</tr>
<tr>
<td>Fundamental perspectives on the nature and significance of the Black Experience in Africa and the black communities in the Americas.</td>
</tr>
<tr>
<td><strong>AFA 4150</strong> AFRICA AND THE UNITED STATES</td>
</tr>
<tr>
<td>An examination of the historical and current political, economic, and cultural relations between the United States and Africa. (Also listed under International Studies.)</td>
</tr>
<tr>
<td><strong>AFA 4331</strong> SOCIAL INSTITUTIONS AND THE GHETTO</td>
</tr>
<tr>
<td>A study of social institutions as they relate to the American Black gheto, with emphasis on social systems operating within and on the ghetto.</td>
</tr>
<tr>
<td><strong>AFA 4335</strong> BLACK WOMEN IN AMERICA</td>
</tr>
<tr>
<td>PR: WST 2010 or 2011, or AFA 2001, or CI. An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths and realities surrounding that experience. (Offered for credit in Women's Studies or African and Afro-American Studies.)</td>
</tr>
<tr>
<td><strong>AFA 4900</strong> DIRECTED READINGS</td>
</tr>
<tr>
<td>Independent readings in a particular area of African and Afro-American Studies, selected by student and instructor.</td>
</tr>
<tr>
<td><strong>AFA 4931</strong> SELECTED TOPICS IN AFRO-AMERICAN STUDIES</td>
</tr>
<tr>
<td>Topics offered are selected to reflect student needs and faculty interests. In depth study in such areas as the Black Student and the American Educational Process; the Black Experience in the Americas; European Expansion in Africa to 19th century; Contemporary Economic Problems in Africa.</td>
</tr>
<tr>
<td><strong>AHF 3100</strong> INTRODUCTION TO AFRICAN HISTORY</td>
</tr>
<tr>
<td>An outline survey of pre-colonial African history including a preliminary introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also listed under History.)</td>
</tr>
<tr>
<td><strong>AHF 3200</strong> AFRICAN HISTORY SINCE 1850</td>
</tr>
<tr>
<td>Survey of the colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states and post-independence problems of nation building and economic development. (Also listed under History.)</td>
</tr>
<tr>
<td><strong>AFS 3311</strong> THE AFRICAN DIASPORA AND PAN-AFRICANISM</td>
</tr>
<tr>
<td>An examination of the African Diaspora and the influence of African culture and civilization on the growth and development of world culture; and the historical quest for racial and continental pan-Africanism including Garveyism.</td>
</tr>
<tr>
<td><strong>AMH 3571, 3572</strong> AFRO-AMERICAN HISTORY</td>
</tr>
<tr>
<td>A survey of the African-American history in the Western Hemisphere. Emphasis on the experience in North America (AMH 3571, 1943-1865; AMH 3572 1865-to present.)</td>
</tr>
<tr>
<td><strong>CPO 4204</strong> GOVERNMENT AND POLITICS OF AFRICA</td>
</tr>
<tr>
<td>Designed to provide the information and analytical tools necessary to interpret current Sub-Saharan African politics. Survey of political organization in traditional African societies; politics under colonial rule; the struggle for independence, and post-independence politics.</td>
</tr>
<tr>
<td><strong>CPO 4244</strong> GOVERNMENT AND POLITICS OF EAST, CENTRAL AND SOUTHERN AFRICA</td>
</tr>
<tr>
<td>In depth study of political developments, ideologies and modernization in East, Central and Southern Africa including race relations and white minority rule in Southern Africa.</td>
</tr>
<tr>
<td><strong>ECP 4143</strong> BLACK AMERICANS IN THE AMERICAN ECONOMIC PROCESS</td>
</tr>
<tr>
<td>Brief economic history of Black Americans emphasizing the impact of racial discrimination and evaluating proposals for improvement as they apply to Black Americans and other minority groups.</td>
</tr>
<tr>
<td><strong>HUM 3420</strong> ARTS AND MUSIC OF THE AFRICAN PEOPLE</td>
</tr>
<tr>
<td>An examination of the visual arts painting, sculpture, architecture and music of Sub-Saharan Africa; their meaning and impact on the arts and music of the Western World.</td>
</tr>
<tr>
<td><strong>INR 4254</strong> AFRICA IN WORLD POLITICS</td>
</tr>
<tr>
<td>Study of international relations in the new Africa including the relations of the new states with major world powers and their role in the United Nations.</td>
</tr>
<tr>
<td><strong>PHM 4120</strong> CONTEMPORARY BLACK PHILOSOPHY</td>
</tr>
<tr>
<td>Major themes and participants in the Black liberation movement since 1900.</td>
</tr>
<tr>
<td><strong>PUP 3313</strong> BLACKS IN AMERICAN POLITICAL PROCESS</td>
</tr>
<tr>
<td>An examination of the political experience of blacks in the American political process including their political socialization, and struggle to become effective participants in the American political process.</td>
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**ANTHROPOLOGY**

**ANT 1001** THE HUMAN ADVENTURE | (2) |
| This course examines the anthropological evidence relevant to controversial questions concerning human origins, social practices, human and animal communication, and ancient societies. Not for major credit. |
| **ANT 2000** INTRODUCTION TO ANTHROPOLOGY | (3) |
| The crosscultural study of the human species in biological and social perspective. Surveys the four major branches of anthropology: physical anthropology (human biology), archaeology (the analysis of prehistoric and historic remains of human cultures), anthropological linguistics (the analysis of language in its cultural context), and cultural anthropology (the crosscultural study of peoples living in the world today, be they in tribal, peasant, or urban societies). |
| **ANT 3005** THE ANTHROPOLOGICAL PERSPECTIVE | (3) |
| For non-anthropology majors only. Presents the basic concepts of anthropology as they are relevant to contemporary life. Aims at enabling the student to understand the anthropologist's crosscultural view of the human species as adapting through biosocial means to life on this planet. May not be counted for credit toward an anthropology major. |
| **ANT 3100** ARCHAEOLOGY | (3) |
| PR: ANT 2000 or CI. The crosscultural study of humankind from its beginnings up to and including the historic period through the recovery, description, and analysis of the remains of past cultures and societies. |
| **ANT 3410** CULTURAL ANTHROPOLOGY | (3) |
| PR: ANT 2000 or CI. Discussion of major methods of and orientations to the crosscultural study of the world's peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles. |
| **ANT 3511** BIOLOGICAL ANTHROPOLOGY | (3) |
| PR: ANT 2000 or CI. Non-human primates, the fossil record and the biology of races are surveyed in order to understand the human animal as a product of biosocial phenomena. Anatomy, genetics, culture and evolution are emphasized. |
| **ANT 3610** ANTHROPOLOGICAL LINGUISTICS | (3) |
| PR: ANT 2000 or CI. The comparative study of language in its cultural context, especially emphasizing the role of language in the cultural interpretation of physical and social reality. |
| **ANT 4034** THEORIES OF CULTURE | (3) |
| PR: Senior standing with major in anthropology or equivalent. The major concepts that form the anthropological view of humanity are viewed in historical perspective. Basic ideas of the western philosophical tradition are analyzed from the Greeks to the 19th century when they became incorporated into the new discipline of anthropology. 20th century anthropological developments on these themes are considered. |
| **ANT 4124** ARCHAEOLOGICAL FIELD METHODS | (4) |
| PR: ANT 3100 or CI. Normally offered as part of a Summer Field Session. Students also take Florida Archaeology and Laboratory Methods in Archaeology. Emphasis on appropriate methods of archaeological excavation and recovery and recording of data. |
ANT 4133 UNDERWATER ARCHAEOLOGY (3)
PR: ANT 3100 or Cl. Methods, theory, and history of underwater archaeology. Diving, history and physiology are considered. Emphasis on underwater archaeology as anthropology and the management of underwater archaeological resources.

ANT 4153 NORTH AMERICAN ARCHAEOLOGY - 6A (3)
PR: ANT 3100 or Cl. An examination of the evidence regarding the human settlement of North America from its beginnings through the development of aboriginal culture to the period of European conquest. Emphasis on the comparative study of material culture at selected sites from all time periods. No field work is involved.

ANT 4158 FLORIDA ARCHAEOLOGY (4)
PR: ANT 3100 or Cl. The content of prehistoric cultures such as Paleoindian, Woodland, and Safety Harbor are reviewed and examined in terms of their temporal and spatial relationships to each other and the Eastern U.S. Normally offered as part of a Summer Field Session. Students also take Field Methods in Archaeology and Laboratory Methods in Archaeology.

ANT 4162 SOUTH AMERICAN ARCHAEOLOGY (3)
PR: ANT 3100 or Cl. Describes and analyzes the sequence of cultural development in prehistoric South America. Cultures such as the Inca, Chavin, Mochica, Wari, Chimú are included. Emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4163 MESOAMERICAN ARCHAEOLOGY (3)
PR: ANT 3100 or Cl. The chronological sequence from its beginnings through Protohistoric development is described and analyzed. Cultures such as the Maya, Aztec, Mixtec, Zapotec, Olmec, and Toltec are included, with emphasis on the environmental setting and the relationship between cultural ecology and the growth of civilization.

ANT 4172 HISTORICAL ARCHAEOLOGY - 6A (3)
PR: ANT 3100 or Cl. A survey and analysis of archaeology focused on the historic period. Laboratory research with data recovered from historic sites in addition to classwork.

ANT 4180 LABORATORY METHODS IN ARCHAEOLOGY (4)
PR: ANT 3100 or Cl. Normally offered as part of a Summer Field Session. Students also enroll in Florida Archaeology and Field Methods in Archaeology. Data recovered in excavation are cleaned, catalogued, identified, and analyzed in the laboratory.

ANT 4181 MUSEUM METHODS (4)
PR: ANT 3100 and Cl. Design, preparation and installation of exhibits in the Department of Anthropology Teaching Exhibit Gallery. Emphasis on theory, research, design, and construction. Discussion of museum-related issues such as administration and curation.

ANT 4226 ANTHROPOLOGY OF ART - 6A (3)
PR: ANT 3410 or Cl. An examination of the relationship between the visual arts (sculpture, painting, masks, carving, etc.) and culture in non-Western societies. Emphasis on formal symbolic and functional comparative analysis of specific art styles based on crosscultural materials. Consideration of diffusion and change of art forms, commercial and ethnic arts, and role of the artist.

ANT 4231 FOLKLORE - 6A (3)
PR: ANT 3410 or Cl. Focuses on crosscultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African-derived), Oceanic and Native American societies are surveyed.

ANT 4241 MAGIC AND RELIGION - 6A (3)
PR: ANT 3410 or Cl. The crosscultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed, Ritual behavior, religious practitioners and symbols of belief will be considered in light of their impact on the social, political or economic aspects of peoples' lives.

ANT 4302 SEX ROLES IN CROSS-CULTURAL PERSPECTIVE (3)
PR: ANT 3410 or Cl. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today. (Also offered under Women's Studies.)

ANT 4305 VISUAL ANTHROPOLOGY (3)
PR: ANT 3410 or Cl. The use of photographic techniques for the crosscultural recording and analysis of human activities. The study of ethnographic photography as both art and science, and the production of an anthropological study that expresses the goal of "visual literacy." Review and evaluation of the uses of visual techniques and the evidence they provide to the social scientist.

ANT 4312 NORTH AMERICAN INDIANS (3)
PR: ANT 3410 or Cl. An examination of the evidence for the origin and antiquity of human beings in North America and of patterns of regional development until the period of contact with European colonists. Emphasis on varieties of ecological adaptation, social, political and religious systems, enculturation and worldview, folklore and visual art.

ANT 4316 THE UNITED STATES (3)
PR: ANT 3410 or Cl. Special concerns include the American community, change and continuity in American values and lifestyles, and the historical background and recent manifestations of human problems in the United States.

ANT 4326 MEXICO AND CENTRAL AMERICA - 6A (3)
PR: ANT 3410 or Cl. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

ANT 4340 THE CARIBBEAN - 6A (3)
PR: ANT 3410 or Cl. Main themes include: the depopulation of the aboriginal population and the resettlement of the area via slavery, indenture, and migration; contemporary ethnic heterogeneity; economic problems of Third World microstates; development of a modern social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the contemporary Caribbean will also be surveyed.

ANT 4367 THE MIDDLE EAST (3)
PR: ANT 3410 or Cl. Delineates the environment and cultural ecology of the Middle East and analyzes how they have influenced the variety of subcultures of the region. The rise and fall of the "little tradition" of the enduring folk cultures will be analyzed. Contemporary culture change will be analyzed in a temporal perspective.

ANT 4432 THE INDIVIDUAL AND CULTURE - 6A (3)
PR: ANT 3410 or Cl. The relationship between the individual and society is studied crossculturally. Main themes include child-rearing practices, psychosomatic illness and curing. Discussion of theories and models of personality development with special reference to their applicability to the emerging field of cross-cultural mental health planning.

ANT 4442 URBAN LIFE AND CULTURE (3)
PR: ANT 3410 or Cl. The crosscultural study of urbanization, urbanism, and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the practical applications of urban research.

ANT 4462 HEALTH, ILLNESS, AND CULTURE (3)
PR: ANT 3410 or Cl. The study of health and human behavior in crosscultural perspective. Main themes include: the impact of disease on the development of human culture; comparative studies of curing practices; medical systems in their relationship to ideology. Emphasis on understanding the role of medicine, and the behavior of both practitioners and patients in modern societies.

ANT 4495 METHODS IN CULTURAL RESEARCH (3)
PR: Cl. The stages in the development and execution of ethnological research are discussed and practiced. Literature search, hypothesis formation, selection of data collection techniques, elicitation of information, data analysis, and report presentation are stressed. Research design models from the case literature are studied and supervised research in the local community is designed and carried out.

ANT 4542 CULTURE AND HUMAN EVOLUTION (3)
PR: ANT 3511 or Cl. A survey of the many ways in which behavior and technology influence the biology of prehistoric and modern human populations. Phenomena such as mating practices, urbanization, and dietary habits are related to humans as animals. Behavioral genetics and sociobiology are covered.
ANT 4582 EVOLUTIONARY BIOLOGY OF THE PRIMATES (3)
PR: ANT 3511 or CI. A survey of non-human primates focusing on biological and evolutionary patterns. Anatomy, genetics, and evolution are stressed; major primate types are surveyed for their biological adaptation. Primate sociobiology is discussed.

ANT 4583 HUMAN VARIATION (3)
PR: ANT 3511 or CI. An overview of evolution and biological variations of human races. Anatomical, structural, and physiological patterns are surveyed geographically. Cultural influences on racial biology are explored.

ANT 4586 PREHISTORIC HUMAN EVOLUTION (3)
PR: ANT 3511 or CI. A review of prehistoric fossil record from the early primates through the ascent of Homo sapiens sapiens, focusing on the human lineage. Biosocial patterns and cultures of the past are also covered.

ANT 4620 LANGUAGE AND CULTURE - 6A (3)
PR: ANT 3610 or CI. Examines the relationships between language and culture in crosscultural perspective. Explores the extent to which languages shape the world views of their speakers. Emphasis on the nature and degree of fit between linguistic and other cultural systems of knowledge.

ANT 4705 APPLIED ANTHROPOLOGY (3)
PR: ANT 3410 or CI. A review of approaches applying the anthropological perspective to contemporary human problems. Particular emphasis placed on public policy issues in United States society. Discussion of the historical development of applied anthropology, problems of economic development of the Third World, and the ethics of applied research and intervention.

ANT 4750 LANGUAGE AND SOCIAL INTERACTION - 6A (3)
PR: ANT 3610 or CI. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the crosscultural description and analysis of patterns of communication in ethnographic contexts.

ANT 4901 DIRECTED READING (1-4)
PR: CI. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration.

ANT 4907 INDIVIDUAL RESEARCH (2-4)
PR: CI. Individual guidance in a selected research project. Contract required prior to registration.

ANT 4930 SPECIAL TOPICS IN ANTHROPOLOGY (3)
PR: CI. Topics to be chosen by students and instructor permitting newly developing subspecialty special interests to be explored. May be repeated as topics vary.

ANT 4932 HONORS SEMINAR (4)
PR: Admission to the honors program in anthropology and CI. Seminar designed to provide honors students with the opportunity to present, discuss and defend their/her own research and to explore in-depth topics in several areas of anthropology.

ANT 4935 RETHINKING ANTHROPOLOGY - 6A (3)
PR: Senior standing with major in anthropology, or equivalent. Through discussion of readings and student papers, students rethink and reevaluate anthropology as a discipline and the integration of its branches and specialty fields. Students develop and articulate their current images of anthropology.

ANT 4970 HONORS THESIS (3)
PR: Admission to the honors program, completion of the honors seminar and CI. The student under the supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in anthropology. (S/U only.)

ANT 5904 DIRECTED READING (1-4)
PR: CI. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration.

ANT 5915 INDIVIDUAL RESEARCH (2-4)
PR: CI. Individual guidance in a selected research project. Contract required prior to registration.

ANT 5937 SEMINAR IN ANTHROPOLOGY (2-4)
PR: Graduate standing. Topics to be chosen by students and instructor.

MUH 4521 FOLK MUSIC (3)
PR: ANT 3410 or CI. Examines ethnic music in America, emphasizing the functions of folk music in rural and urban settings. Materials drawn crossculturally are studied in both religious and secular forms. When feasible, classwork is supplemented by live performances. Technical knowledge of music is not required. (May not be counted for credit toward an Anthropology major.)

COMMUNICATION SCIENCES AND DISORDERS

SPA 3002 INTRODUCTION TO DISORDERS OF SPEECH AND LANGUAGE (3)
PR: ANT 3511 or CI. A survey of speech-language pathology as a profession and a field of study. An introduction to speech and language disorders, etiologies, and treatment approaches, and research findings.

SPA 3011 INTRODUCTION TO SPEECH SCIENCE (3)
PR: ANT 3511 or CI. The scope of speech-language pathology as a profession and a field of study. An introduction to speech and language disorders, etiologies, major treatment approaches, and research findings.

SPA 3380 BASIC AMERICAN SIGN LANGUAGE (3)
PR: ANT 3511 or CI. An examination of the deaf community. General discussion of ASL and introduction to various manual communication systems and philosophies. Emphasis on building a basic vocabulary. One hour laboratory course (SPA 3380L) to be taken concurrently. Open to all majors.

SPA 4000 COMMUNICATION DISORDERS IN THE PUBLIC SCHOOLS (3)
PR: CI. An examination of the speech, language and learning problems afflicting school-age children and the classroom teacher's role in the detection, prevention and amelioration of communication disorders. (Non-major course only.)

SPA 4050 INTRODUCTION TO THE CLINICAL PROCESS (2)
PR: ANT 3511 or CI. Observation and participation in speech-language pathology and audiology practicum in the University Clinical Laboratory.

SPA 4201 PHONOLOGICAL DEVELOPMENT AND DISORDERS (3)
PR: CI. Examines the nature and degree of fit between morphological, anatomical, and physiological factors as related to and pathological speech communication. Introduction to instrumentation and measurement procedures.

SPA 4210 VOCAL DISORDERS (3)
PR: CI. A comprehensive study of voice disorders. Primary emphasis is on therapeutic management.

SPA 4222 FLUENCY DISORDERS (3)
PR: CI. A comprehensive study of disfluent speech behavior. Differential diagnosis, principles of therapeutic intervention, procedures for children and adults will be studied. Major theories and models of the development and origin of stuttering are also presented.
COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

SPA 4331 FUNDAMENTALS OF FINGERSPELLING (2)
PR: Cl. A concentrated study of technique in fingerspelling emphasizing clarity and rhythm in expression as well as receptive understanding.

SPA 4332 STRUCTURE OF SIGN LANGUAGE (3)
PR: Cl. Semiotic and linguistic consideration of American Sign Language (ASL). Includes aspects of phonology, syntax, semantics, and discourse in ASL.

SPA 4335 SIGN LANGUAGE CODES (3)
PR: Cl. A review of the sign systems (SEE I, SEE II, L.O.V.E., and Signed English) used to code messages through the use of sign. The student will have the opportunity to practice one of the sign systems.

SPA 4363 NATURE AND NEEDS OF HEARING IMPAIRED (3)
A study of the effects of auditory disorders upon the organization and expression of behavioral patterns as they relate to motivation, adjustment and personality.

SPA 4382 INTERMEDIATE AMERICAN SIGN LANGUAGE (3)
PR: SPA 3380 and Cl. A continuation of the basic course which expands the student's signing skills and introduces American Sign Language (ASL) idioms. Provides a greater opportunity for skill development in ASL structure and idiomatic usage. One hour laboratory course (SPA 4382L) to be taken concurrently.

SPA 4382L INTERMEDIATE AMERICAN SIGN LANGUAGE LABORATORY (1)
PR: SPA 3380 and SPA 3380L. A laboratory designed to offer additional practice in sign language by means of videotapes. Concurrent enrollment at each level of sign language. May be repeated up to 2 credit hours.

SPA 4383 ADVANCED AMERICAN SIGN LANGUAGE (3)
PR: SPA 4382 and Cl. A continuation of the study of American Sign Language (ASL) at the advanced skill level. Added emphasis on idioms, body language, and facial expression as an integral part of ASL. A one hour laboratory course (SPA 4383L) is to be taken concurrently. Open to all majors.

SPA 4383L ADVANCED AMERICAN SIGN LANGUAGE LABORATORY (1)
PR: Cl. An advanced laboratory course designed to offer students added practice with the material presented in the ASL coursework through video and audio tapes. To be taken concurrently with Advanced American Sign Language (SPA 4383).

SPA 4582 COUNSELING OF COMMUNICATIVELY HANDICAPPED AND FAMILY (3)
Discussion of role of counseling in the treatment of communication disorders. Based on exploration of theoretical constructs, this course demonstrates application of therapeutic methodologies to reduction of communication handicaps.

SPA 4930 SELECTED TOPICS (3)
PR: Cl. Intensive study of topics in Speech-Language Pathology, Audiology, and/or Aural Rehabilitation conducted under the supervision of a faculty member. May be repeated for a total of 9 credit hours.

SPA 5132 AUDIOLOGY INSTRUMENTATION (4)
PR: Cl. Calibration, usage and specific applications of specialized instruments available in dealing with the identification and measurement of hearing disorders.

SPA 5150 ADVANCED SPEECH SCIENCE (3)
PR: SPA 3011 or equivalent. Must be taken with SPA 5150L: Speech Science Laboratory. Advanced study of the acoustics, production and perception of normal and disordered speech.

SPA 5150L SPEECH SCIENCE LABORATORY (1)
PR: SPA 3011 or equivalent. Must be taken with SPA 5150 Advanced Speech Science Laboratory. Provides exercises in the use of audio recording, acoustic analysis and synthesis instrumentation.

SPA 5303 AUDIOLOGY: HEARING SCIENCE (4)
The study of the physiological acoustics of the auditory periphery, the neuroanatomy and electrophysiology of the central auditory system, and psychoacoustic principles as they relate to clinical audiologic measurement paradigms.

SPA 5312 PERIPHERAL AND CENTRAL AUDITORY TESTS (4)
PR: Cl. The study of behavioral and electrophysiologic clinical tests designed to assess the function of the peripheral and the central auditory system. Tests which incorporate nonspeech stimuli and those which utilize speech stimuli will be included.

SPA 5403 COMMUNICATION DISORDERS: LANGUAGE (3)
PR: Cl. Examination of research and clinical literature presenting major theoretical orientations pertaining to the etiology, evaluations, and treatment of those factors that hinder or interrupt normal language acquisition or function.

SPA 5505 SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY PRACTICUM (1-8)
PR: Cl. Participation in speech-language pathology and audiology practicum in the University Communication Disorders Center and selected field settings.

SPA 5552 EVALUATION OF ORAL COMMUNICATION DISORDERS (4)
PR: Admittance to the Program or Cl. The administration, evaluation, and reporting of diagnostic tests and procedures used in assessment of speech and language disorders.

CRIMINOLOGY

CCJ 3003 CRIME AND JUSTICE IN AMERICA (4)
A non-technical survey of the nature of crime in the United States and the ways in which our society seeks to deal with criminal offenders and victims of crime. May be taken by both majors and non-majors for credit, subject to departmental approval for declared majors.

CCJ 3020 SURVEY OF THE CRIMINAL JUSTICE SYSTEM (3)
PR: PSY 2012, SOC 2000, or equivalent, or Cl. An introduction to the structure and operation of law enforcement, prosecution, the courts, and corrections. Also includes brief coverage of major reported crimes.

CCJ 3210 CRIMINAL LAW I (3)
PR: CCJ 3020, POS 2041 or Cl. Examines the historical basis of the American criminal law system, the substantive elements of the crime, and court procedures.

CCJ 3610 THEORIES OF CRIMINAL BEHAVIOR (3)
PR: CCJ 3020. Provides a basic understanding of the complex factors related to crime, with concentration on principal theoretical approaches to the explanation of crime.

CCJ 3621 PATTERNS OF CRIMINAL BEHAVIOR (3)
Reviews the nature and extent of the crime problem. The course will concentrate on major patterns of offender behavior including crimes against the person, property crimes, violent crimes, economic/white collar offense, syndicated (organized) crimes, consensual crimes, female crime, political crime, and will examine criminal career data.

CCJ 3701 RESEARCH METHODS IN CRIMINAL JUSTICE I (3)
PR: Junior standing and CCJ 3020 or Cl. Introduces the student to some of the fundamentals of knowledge-generating processes in criminal justice.

CCJ 4110 AMERICAN LAW ENFORCEMENT SYSTEMS (3)
Provides a comprehensive examination of the American law enforcement system at the federal, state, and local levels and an assessment of career opportunities within the community.

CCJ 4230 CRIMINAL LAW II (3)
PR: CCJ 3280. Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.

CCJ 4331 ALTERNATIVES TO INCARCERATION (3)
PR: Junior standing plus CCJ 4360 or Cl. This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment approaches.

CCJ 4360 INTERVENTION TECHNIQUES AND STRATEGIES (3)
PR: Senior standing or Cl. Introduces the student to theories and methods underlying treatment modalities currently employed in corrections.
CCJ 4360 AMERICAN CORRECTIONAL SYSTEMS (3)
PR: Junior standing plus CCJ 3620 or CI. Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.

CCJ 4450 CRIMINAL JUSTICE ADMINISTRATION (3)
This course is designed to provide an in-depth examination of both the practical and theoretical aspects of the administration of criminal justice agencies. The major focus will be on law enforcement and correctional agencies.

CCJ 4501 JUVENILE JUSTICE SYSTEM (3)
PR: CCJ 3020 or CI. Provides coverage of the juvenile and family courts, their clientele, and the complex of human services agencies and facilities that contribute to efforts at juvenile correctional intervention.

CCJ 4604 ABNORMAL BEHAVIOR AND CRIMINALITY (3)
PR: CCJ 3620, or CI. A systematic introduction to the relationship between mental illness and criminality, with focus on psychiatric labeling of deviant behavior and its implications for the handling of the criminal offender.

CCJ 4700 RESEARCH METHODS IN CRIMINAL JUSTICE II (3)
PR: Junior standing or CI. Beginning with the scientific method, the tools commonly used to analyze criminal justice data will be emphasized. Recommended for students who intend to continue their education beyond the B.A. Required of students attending the MA program in CCJ at USF. This course may not be taken for credit if the student has already successfully completed STA 3122, GEB 3121, or STA 3023.

CJT 4820 PRIVATE SECURITY SYSTEMS (3)
PR: Junior standing plus CCJ 4110 or CI. Examines some of the principal methods and techniques currently used to reduce or prevent losses due to theft and casualty.

*CJT 4900 DIRECTED READINGS (1-3)
PR: CI. This course is specifically designed to enable advanced students the opportunity to do in-depth independent work in the area of criminal justice. Each student will be under the close supervision of a faculty member of the program. No more than five hours of CJ 4900, CJ 4910 or any combination of the two will be accepted toward the minimum number of hours required for the major.

*CJT 4910 DIRECTED RESEARCH (1-3)
PR: CI. This course is designed to provide students with a research experience in which they will work closely with faculty on the development and implementation of research projects in the area of criminal justice. No more than five hours of CJ 4910, CJ 4900 or any combination of the two will be accepted toward the minimum number of hours of the major.

*NOTE: CJ 4900 & CJ 4910. (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course, (b) a minimum of four (4) CCJ courses must have been completed satisfactorily prior to enrollment, (c) first consideration will be given to Criminology majors, and (d) individual faculty members may add additional requirements at their discretion.

CCJ 4934 SEMINAR IN CRIMINAL JUSTICE (3)
PR: Senior standing and CI. This variable topic seminar will consider the various changes occurring in the field of criminal justice with added emphasis on career responsibilities in the field.

CCJ 4940 INTERNSHIP FOR CRIMINAL JUSTICE MAJORS (3)
PR: Senior standing. The internship will consist of placement with one or more of the agencies comprising the criminal justice system. This course will enable the students to gain meaningful field experience related to their future careers. The three-hour block of credit will require a minimum of ten hours of work per week within the host agencies in addition to any written work or reading assignments. See requirements for the B.A. degree in Criminology for the number of hours required. (S/U only.)

*Courses available only to students currently enrolled.

CJT 4100 CRIMINAL INVESTIGATION (3)
Covers the major components of criminal investigation, with special attention to the scientific aspects of criminal investigation and the management of major cases.

GEOGRAPHY

GEA 3000 WORLD REGIONAL GEOGRAPHY (4)
Comparative and analytical analysis of representative regions of the world with emphasis on cultural, political, economic, and physical diversity.

GEA 3009 GENERAL GEOGRAPHY (4)
Selected topics in regional and topical geography offered as survey courses. Open to all students.

GEA 3194 REGIONAL GEOGRAPHY (4)
variable title course to systematically study and compare special regions identified by the instructor.

GEA 3202 GEOGRAPHY OF ANGLO-AMERICA (4)

GEA 3300 GEOGRAPHY OF MIDDLE AMERICA (4)

GEA 3400 GEOGRAPHY OF LATIN AMERICA (4)

GEA 3500 GEOGRAPHY OF EUROPE (4)

GEA 3554 GEOGRAPHY OF THE USSR (4)

GEA 3600 GEOGRAPHY OF AFRICA (4)

GEA 3703 GEOGRAPHY OF ASIA (4)

GEO 1930 GEOGRAPHY OF CURRENT EVENTS (4)
Application of basic geographic principles of the analysis of contemporary events in various parts of the world.

GEA 3013 SYSTEMATIC GEOGRAPHY (4)
Principles and concepts of the discipline; maps, earth-sun relations, weather, and climate.

GEA 3014 SYSTEMATIC GEOGRAPHY (4)
PR: GEO 3013. Continuation of GEO 3013; soil, water, rocks, minerals, and landforms.

GEA 3402 HUMAN GEOGRAPHY (4)
Systematic treatment of man’s activities on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.

GEA 3901 ELEMENTS OF GEOGRAPHY (1)
Independent study; various topics in physical and cultural geography. (S/U only.)

GEO 3931C WEATHER AND MAN (4)
The interrelationship between the atmospheric environment and man.

GEO 4040C MAP INTERPRETATION (4)
PR: GEO 3014. Analysis and synthesis of various types of maps and map projections.

GEO 4100C CARTOGRAPHY (4)
PR: GEO 3014. Map compilation and graphic presentation.

GEO 4114C GEOGRAPHIC TECHNIQUES AND METHODOLOGY (4)
PR: GEO 3014. Selected topics in various geographic techniques and methodologies and their application.

GEO 4124C AIR PHOTO INTERPRETATION (4)
PR: GEO 3014. Detection, identification, and analysis of objects on the earth’s surface. Techniques other than photographic are also considered.

GEO 4164C QUANTITATIVE METHODS (4)
PR: GEO 3014. Statistical analysis in geographic research.

GEO 4201C PHYSICAL GEOGRAPHY (4)
PR: GEO 3014. Intensive study of a topic selected from physical geography.

GEO 4210 PHYSIOGRAPHY (4)

GEO 4280C HYDROLOGY (4)
PR: GEO 3014. Hydrologic cycle; precipitation, evapotranspiration, water budget, streamflow, and probability analysis.

GEO 4340 MAN AND NATURAL HAZARDS (4)
The impact of hurricanes, tornadoes, earthquakes, sink holes, tidal waves, fire, freezes, and droughts on people; attempts to overcome or avoid these hazards.

GEO 4372 CONSERVATION (4)
The distribution, exploitation, and conservation of physical and human resources, ecology.
GEO 4390 WATER RESOURCES (4)
A general overview of the hydrologic cycle and the impact of cultural development of its various components. May also include a survey of regional water problems.

GEO 4421 CULTURAL GEOGRAPHY (4)
PR: GEO 3014. The interrelationships of culture and nature, from pre-historic times to the present.

GEO 4440 POPULATION GEOGRAPHY (4)
An analysis of contemporary patterns in world and regional distributions of people and geographical factors underlying these patterns and their changes.

GEO 4460 HISTORICAL GEOGRAPHY (4)
Survey of evolving landscapes through time; analysis is made by means of systematic and regional methods in order to reconstruct the changing culture-nature equation.

GEO 4470 POLITICAL GEOGRAPHY (4)
PR: GEO 3014. The geographic factors underlying political decisions and influencing their outcome; the geographic consequences of these decisions; geopolitics.

GEO 4502 ECONOMIC GEOGRAPHY (4)
PR: GEO 3014. The spatial organization of economic production, consumption, and exchange systems.

GEO 4530 GEOGRAPHY OF ENERGY (4)
The primary sources of energy, examined regionally and systematically; resource bases, production, and consumption. OPEC and environmental problems are considered.

GEO 4602 URBAN GEOGRAPHY (4)
PR: GEO 3014. Spatial analysis of urban areas; growth, location, spacing, and size. Development, site, situation, internal structure, and hinterland are considered.

GEO 4700 TRANSPORTATION GEOGRAPHY (4)
PR: GEO 3014. Interrelationships between freight and passenger transportation and land use, in terms of site, traffic generation, and circulation.

GEO 4900 DIRECTED READING (1-4)
PR: 20 hours in geography and CC prior to registration. May be repeated.

GEO 4910 INDIVIDUAL RESEARCH (1-4)
PR: 20 hours in geography and CC prior to registration. May be repeated.

GEO 5058 GEOGRAPHIC LITERATURE AND HISTORY (3)
PR: Senior or graduate standing in geography, or CI. The origins and development of the discipline as revealed through an examination of the principal written sources. Special attention paid to leading personalities and modern periodicals.

MET 4002 CLIMATOLOGY (4)
PR: GEO 3013 or CI. An introductory course which includes an examination of climatic classification systems, problem climates, and the application of climate to selected topics such as world vegetation patterns, agriculture, housing and health.

MET 4010C METEOROLOGY (4)
PR: GEO 3013 or CI. The earth's atmosphere and its processes; weather forecasting and analysis; instrumentation.

URP 4052 URBAN AND REGIONAL PLANNING (4)
The geographic foundations of the modern city, metropolitan development, and the trend toward megalopolis. Examined are the political problems of conflicting jurisdictions at the local, county, state, national, and international levels.

GERONTOLOGY

GEG 3000 INTRODUCTION TO GERONTOLOGY (3)
This course is designed to be an introduction to the study of aging. The aging process is viewed from a multi-disciplinary perspective including the biological, psychological, and sociological aspects of aging.

GEG 3601 BEHAVIOR CHANGES IN LATER LIFE (3)
PR: GEG 3000, or CI. A survey of physical and psychological aspects of aging from middle age through older age. Course emphasis will be on basic age-related changes and their implications for behavior in older age.

GEG 3625 SOCIOCULTURAL ASPECTS OF AGING (3)
PR: GEG 3000 or CI. Consideration of human aging in a broad sociocultural context. Course emphasis will be on historical, philosophic, and demographic aspects of aging, theories of social gerontology, attitudes toward aging and the aged, cross-cultural perspectives on aging, the sociology of retirement, and aging and the community.

GEG 4327 LONG-TERM CARE ADMINISTRATION I (3)
PR: GEG 3000, AGC 2011. A survey of Long Term Care (LTC) environments. Explored are such issues as definitions of LTC, physiological conditions of LTC uses, the institutional setting, the sociopsychological context, and methods of evaluation and intervention.

GEG 4328 LONG-TERM CARE ADMINISTRATION II (3)
PR: GEG 4327. Administration of long-term care institutions from a group dynamics perspective. Emphasis on informed problem solving and decision-making via analysis of the psychosocial and sociocultural environment in the nursing home community. Course objective is to create efficient and humane living and working conditions in nursing homes.

GEG 4329 LONG-TERM CARE ADMINISTRATION III (3)
PR: GEG 4328. This course will familiarize the student with the basic aspects of nursing home administration through the practical application of management theory and concepts.

GEG 4360 GERONTOLOGICAL COUNSELING (3)
PR: CI. An introduction to the study of the major mental health problems of the elderly. Current approaches to counseling the elderly in community and institutional settings are discussed.

GEG 4401 RESEARCH METHODS IN GERONTOLOGY (3)
PR: STA 3122 or equivalent. Restricted to Gerontology majors, others by departmental permission. Methods and techniques of social research in gerontology. Design of gerontological studies, collection and analysis of data, interpretation of results, and preparation of reports.

GEG 4640 DEATH AND DYING (3)
PR: GEG 3000 or CI. A broad overview of the basic concepts and psychosocial issues relating to the meaning of loss and death, the process of death, and the experience of grieving. Health care practices are considered along with community resources.

GEG 4900 DIRECTED READINGS (1-3)
PR: CI. A reading program with topics in gerontology conducted under the supervision of a faculty member.

GEG 4930 SENIOR SEMINAR (2)
PR: CI. This course will provide upper level students with a seminar experience in discussing topics of interest and social relevance in the field of aging. Each student will be required to prepare a seminar paper and present it.

GEG 4935 SPECIAL TOPICS IN GERONTOLOGY (3)
Courses on topics such as preretirement, mental health, human services organization, nursing home administration, the older woman, and elder abuse will be offered. May be repeated up to 6 credit hours.

GEG 4945 FIELD PLACEMENT (6)
PR: CI. Internship in an agency or community setting. A full-time assignment to an agency or organization, engaged in planning or administering programs for older people if in the BA program, or to a nursing home if in the BS program.

GEG 5620 SOCIOLOGICAL ASPECTS OF AGING (3)
PR: CI. Examines, within a sociological frame of reference, the interrelationships between the aged (or aging) and the structure and function of the social systems and its major institutionalized subsystems.

GEG 5625 ECONOMICS AND AGING (3)
PR: CI. Examines basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security, and other support systems.

GEG 5642 PERSPECTIVES ON DEATH AND DYING (3)
PR: CI. Study of the various psychological, medical, legal, and
religious problems caused by dying and death, and of how individu­als and groups have responded in the past and present.

HISTORY

AFH 3100 INTRODUCTION TO AFRICAN HISTORY (3)
An outline survey of pre-colonial African history including a prefa­tory introduction to the use of primary sources (such as archaeol­ogy, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also offered under Afro-American Studies.)

AFH 3200 AFRICAN HISTORY SINCE 1850 (3)
Survey of the Colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states, and postinde­pendence problems of nation building and economic development. (Also offered under Afro-American Studies.)

AMH 2010, 2020 AMERICAN HISTORY I, II (3,3)
A history of the United States with attention given to relevant developments in the Western Hemisphere. AMH 2010: European origins to 1787; AMH 2020: 1877 to present.

AMH 3110 AMERICAN COLONIAL HISTORY TO 1750 (4)
A study of the evolution of American society from the Age of Reconnaissance to 1750. Attention is given to the transformation from colonies to provinces with emphasis on ethnocultural conflict, religion, labor systems, and political culture.

AMH 3130 THE AMERICAN REVOLUTIONARY ERA (4)
Emphasis on the causes of the American revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalism, violence, and slavery in American society from 1750-1789.

AMH 3140 THE AGE OF JEFFERSON (4)
A comprehensive study of American society and political culture from 1789-1828. Focuses on demographic trends, party systems, expansionism, Indian policy, labor, and ethno-cultural conflicts.

AMH 3160 THE AGE OF JACKSON (4)
The United States from 1828-1850, with emphasis on social and political conflict. Consideration of evangelicalism, reform, labor movements, urbanization, and political activity in the antebellum era.

AMH 3170 THE CIVIL WAR AND RECONSTRUCTION (4)
An examination of political, social, and economic climate of the 1860's that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political conse­quences through the end of the Reconstruction (1877).

AMH 3201 THE UNITED STATES, 1877-1929 (4)
A study of America from the end of Reconstruction to the stock market crash. Ranging over political, social, and diplomatic develop­ments, the course covers industrialization, reform, imperialism, feminism, race relations and World War I.

AMH 3252 THE UNITED STATES SINCE 1929 (4)
The United States from the Great Depression to the present. Cover­ing political, social and diplomatic developments, examines the New Deal, World War II, the Cold War, Viet Nam, civil rights, feminism and Watergate.

AMH 3402 THE OLD SOUTH (4)
A study of the American South from its colonial origins to the fall of the Confederacy in 1865. Emphasis on slavery and race, the South­ern frontier, the development of sectional consciousness, and the coming of the Civil War.

AMH 3403 THE SOUTH SINCE 1865 (4)
Southern history since the surrender at Appomattox. Topics covered include Reconstruction, the Populist revolt, race relations, de­mogouery and disfranchisement, Southern women, and the Civil Rights Movement.

AMH 3421 EARLY FLORIDA (4)
A history of colonial Florida under the Spanish and English. Florida as an area of discovery, colonization, and imperial conflict; the emergence of Florida within the regional setting.

AMH 3423 MODERN FLORIDA (4)
An historical survey of Florida from the territorial period to the modern era. An examination of the social, political, and economic changes occurring in Florida between 1821 and the 1980s.

AMH 3428 TAMPA HISTORY (3)
Emphasizing the post-Civil War period, examines the origins of Tampa and the factors which made Tampa the center of a growing metropolitan area. The Tampa past will be studied against the state, national, and international developments.

AMH 3500 AMERICAN LABOR HISTORY (4)
A study of American workers from the colonial period to the present. Examines the changing nature of work, its effects of workers (includ­ing minorities and women), and their responses as expressed in strikes, unions, and political action.

AMH 3510 U.S. DIPLOMATIC HISTORY TO 1896 -6A (3)
The development of American Foreign Relations in the Agricultural era.

AMH 3511 U.S. DIPLOMATIC HISTORY IN THE 20TH CENTURY -6A (3)
A history of American Foreign Relations in the Industrial era.

AMH 3530 IMMIGRATION HISTORY (4)
A study of the composition and character of the “American” people with emphasis on the period from 1840s to the 1920s. Examines oldworld backgrounds of immigrants and their responses to the new world's social, economic and political conditions.

AMH 3540 UNITED STATES MILITARY HISTORY (4)
A study of American military policy and practices from colonial days to the present. Attention is given both to tactics and to strategy in the unfolding formulation and development of American armed might.

AMH 3545 WAR AND AMERICAN EMPIRE (4)
The U.S. evolved in 200 years from 13 colonies to the number one power in the world. To achieve this goal we utilized war to achieve empire. This course will examine the link between American War and empire from the Revolution through Viet Nam.

AMH 3561 AMERICAN WOMEN I (4)
A study of women in the evolution of American society from Euro­pean origins to 1877. Women’s roles in the family, economy, politics, war, and reform movements will be examined. (May also be taken for credit in Women’s Studies.)

AMH 3562 AMERICAN WOMEN II (4)
A study of women in the evolution of American society from 1877 to the present. Women’s roles in the family, economy, politics, immi­gration, wars, religion and reform movements will be examined. (May also be taken for credit in Women’s Studies.)

AMH 3800 HISTORY OF CANADA (4)
A study of Canadian experience from its French origins through the British conquest to its present multi-racial character. Attention will also be given to the forces of nationalism, separatism, and regional­ism.

ASH 3403 ANCIENT AND IMPERIAL CHINA (4)
An historical survey of the foundation and flowering of Chinese civilization with primary emphasis on cultural, intellectual, and institutional elements, from the paleolithic period to the early Man­chu Dynasty (17th century).

ASH 3404 MODERN CHINA (4)
Political, economic, and social history of China from the time of the first major Western contacts (17th-18th Centuries) through the con­solidation of socialism in the late 1950’s, and the Great Leap Forward.

ASH 3501 HISTORY OF INDIA (4)
A study of the major themes of Indian history from the Indus culture to the present. Emphasis will be given to the Classical, Mogul and British periods as well as the modern independent sub-continent.

EUH 2011, 2012 ANCIENT HISTORY I, II (3,3)
An introductory survey of ancient history. EUH 2011 treats the ancient Near East and Greece from the origins of civilization to the full development of the Hellenistic kingdoms prior to conflict with Rome. EUH 2012 deals with Rome through the Regal, Republican, and Imperial periods, from the beginnings of civilization in Italy to
the division of the Roman Empire, A.D. 395.

EUH 2021, 2022 MEDIEVAL HISTORY I, II
A thematic survey of the Middle Ages. EUH 2021 deals with the nascent, Christian civilization of Europe, circa 300-1050 A.D.; EUH 2022 treats the mature medieval civilization of Europe, circa 1050-1500.

EUH 2030, 2031 MODERN EUROPEAN HISTORY I, II
A thematic survey of Europe in the modern age. EUH 2030 treats the period from the Renaissance to the French Revolution; EUH 2031, from the French Revolution to the present.

EUH 3142 RENAISSANCE AND REFORMATION
A history of Europe from the Renaissance to the Thirty Years' War (1400-1618). The cultural, social, and economic characteristics will provide the framework for artistic, philosophical, religious, and political developments.

EUH 3181 MEDIEVAL CULTURE
A survey of thought, culture, and art in the Middle Ages. Medieval attitudes as manifested in literature, art, philosophy, education, and religion; with emphasis upon Medieval man's changing perception of himself and his world.

EUH 3185 VIKING HISTORY
The role of the Vikings in the shaping of Western history. A comprehensive survey of their institutions, outlook and daily life. Viking expansion into Europe and North America.

EUH 3186 MEDIEVAL SOCIETY
A study of the daily life and attitudes of the medieval nobleman, peasant, townsman, and the agrarian-urban economy and society which affected their lives.

EUH 3189 MEDIEVAL POLITICS
An inquiry into the nature, distribution, and use of political power during the Middle Ages, in such institutions as feudalism, monarchy, cities, and the church.

EUH 3202 HISTORY OF 17TH AND 18TH CENTURY EUROPE
A history of Europe from the beginning of the Thirty Years' War to the outbreak of the French Revolution. Political and intellectual developments will be assessed in the light of society and the economy.

EUH 3205 HISTORY OF NINETEENTH CENTURY EUROPE
A comparative study of economic, political, social, and intellectual developments in nineteenth century Europe.

EUH 3206 HISTORY OF TWENTIETH CENTURY EUROPE
A comparative study of economic, political, social, and intellectual developments in twentieth century Europe.

EUH 3300 BYZANTINE HISTORY
A survey of the Byzantine (Eastern Roman) Empire from its foundation in A.D. 330 to its collapse in 1453. Emphasis on the relationship between the Byzantine Empire and the course of European history and on the cultural heritage of this Empire.

EUH 3401 CLASSICAL GREECE
A study of ancient Greece focusing on the brilliant period following the Persian Wars, but embracing as well the formative Bronze, Middle and Archaic ages, and the decline culminating in the conquest of Greece by Philip II of Macedon in 338 B.C.

EUH 3402 AGE OF ALEXANDER
A study focusing on the career of Alexander the Great and on the Greek and Macedonian conquest of Imperial Persia. Also treated are the great hellenistic kingdoms prior to Rome's conquest of the eastern Mediterranean.

EUH 3412 ROMAN REPUBLIC
A study of the Roman Republic from 509 B.C. to the assassination of Julius Caesar in 44 B.C., with a prelude treating Rome's early development under royal rule. Political growth and change provide the framework for the treatment.

EUH 3413 ROMAN EMPIRE
A study of Imperial Rome, from the assassination of Julius Caesar in 44 B.C. to the death of the emperor Constantine in A.D. 337. Emphasized is Rome's government of a vast Mediterranean empire including much of the near East and Europe.

EUH 3461 GERMAN HISTORY TO 1870
A political, social, and cultural approach to the history of the Germanies from 1500 through 1870, with emphasis on the Protestant Reformation, the rise of Brandenburg-Prussian, and the unification under Bismarck.

EUH 3462 GERMAN HISTORY 1870 TO PRESENT
A political, social, and cultural approach to the history of the German Empire from 1870 through the 1970's. The nation's two attempts to try for world power status are highlighted, as well as the Weimar Republic, prototype of the embattled democracy.

EUH 3501 BRITISH HISTORY TO 1668
A study of major developments in British history from the 15th century to 1668.

EUH 3502 BRITISH HISTORY 1668 TO PRESENT
A study of the major themes of British history since the Glorious Revolution, including social, political, and economic developments leading to the creation of the modern demographic welfare state.

EUH 3530 BRITISH EMPIRE AND COMMONWEALTH
A study of the development of the British Empire from the age of initial expansion overseas to the creation of the multinational commonwealth. Included are examinations of theory and myth of colonialism as well as the literature of imperialism.

EUH 3571 RUSSIAN HISTORY TO 1861
A survey of the social, political, economic, and cultural development of Russia from the year 800 to 1865. Topics include the personality of Russian rulers, the origins of Russian Socialism, and Russia's relationship to the West.

EUH 3572 RUSSIAN HISTORY 1865 TO PRESENT
An analysis of the tradition from late imperial society to the contemporary Soviet system. Emphasis will be placed on continuity and change in the economic, political, and cultural aspects of Russia from 1865 to present.

HIS 3474 SCIENCE AND CIVILIZATION -6A
A thematic study of the interrelationship of science and society in modern history emphasizing the institutional forms, value structures, and social relations in science as they have developed from the scientific revolution to the present.

HIS 3930 SPECIAL TOPICS
This course is designed to emphasize a selected historical problem or issue that is meaningful and challenging to the student. A variety of instructional approaches will be taken to the material. Topics will be changed each semester.

HIS 4104 (formerly 4152) THEORY OF HISTORY
Recommended to be taken during the senior year. Required of all history majors. An analysis of the foundations of historical knowledge and historical methodology. Includes a survey of historical thinking and writing from ancient times to the present.

HIS 4900 DIRECTED READING
PR: CI. Arrangement with instructor prior to registration. Readings in special topics.

HIS 4920 COLLOQUIUM IN HISTORY
Reading and discussion of selected topics in the various fields of history. The subject and scope of inquiry will be determined by the instructor for each sect ion. May be repeated for credit.

HIS 4936 PRO-SEMINAR IN HISTORY
PR: CI. Advanced topics in the various fields of history. Emphasis on discussion of assigned readings and on research and writing of a major paper. Required of all history majors. May be repeated up to 12 credit hours.

HIS 5215 HISTORICAL WRITING
A course for graduate and advanced undergraduates to combine library, archival and research skills with an examination of various writing styles. Analytic and synthetic skills are stressed in writing articles, reviews and essays.

LAH 3130 (formerly 3021) COLONIAL LATIN AMERICA
A study of the Spanish and Portuguese Colonial empires in the New World from 1492-1830.

LAH 3200 (formerly 3022) MODERN LATIN AMERICA
A study of the emergence of the Latin American states. The course will examine developments in Latin America during the nineteenth and twentieth centuries. Special attention is given to the Third World character of the region.
COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

LAH 3430 HISTORY OF MEXICO
Mexican history from pre-Columbian cultures to the twentieth century. Emphasis falls on the colonial political economy, social development, the wars of independence, development of the 19th century Mexican state and the Mexican revolution.

LAH 3470 HISTORY OF THE CARIBBEAN
A thematic study of the circum-Caribbean from pre-Columbian cultures to the twentieth century, emphasizing the development of the Caribbean political economy with emphasis on monoculture, plantation society, and colonial/neocolonial relationships.

LAH 3480 HISTORY OF CUBA
Cuban history from pre-Columbian cultures to the Cuban Revolution. Emphasis on colonization, the sugar economy, the struggles for independence, the political economy of the Republic, and the 20th century revolutionary process.

WOH 3270 REVOLUTIONS IN THE MODERN WORLD -SA
A comparative study of the major revolutions in world history. Emphasis is placed on the testing of various theories and models of the revolutionary process in the context of concrete historical examples.

WST 3210 WOMEN IN WESTERN CIVILIZATION I -SA
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages. Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender. (May also be taken for credit in Women’s Studies).

WST 3220 WOMEN IN WESTERN CIVILIZATION II
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in Women’s Studies.)

WST 4309 THE FEMALE EXPERIENCE IN AMERICA
PR: WST 2010 or WST 3011, or CI. The female experience in America, in historical context, viewed through the writings of various classes, races, ethnic groups. Current research on American women by feminist historians. (May also be taken for credit in Women’s Studies.)

WST 4310 FEMINISM IN AMERICA
PR: WST 2010, or WST 3011, or CI. Emergence of the women’s movement in 19th century America: origins, theoretical and practical issues, relation to European feminism. Sources, issues, implications of 20th century feminism. (May also be taken for credit in Women’s Studies.)

HUMAN SERVICES

HUS 3001 INTRODUCTION TO HUMAN SERVICES
An introduction to the field of human services. Study of the professions and agencies involved in providing human services. Analysis of the values and ethics of various professional associations.

HUS 4020 THE LIFE CYCLE
An examination of individuals and the physiological and psychosocial changes which occur during infancy, childhood, adolescence, young adulthood, middle age and old age.

HUS 4100 (formerly MHT 4302) INTERVIEWING
PR: HUS 3001 or CI. The principles and techniques of interviewing. Use of interviewing in information gathering, research and helping relationships and developing skills in communication across cultural, social and age barriers.

HUS 4700 PLANNING AND EVALUATION OF HUMAN SERVICES PROGRAMS
PR: HUS 3001 or CI. Review of approaches to planning, coordination, and evaluation of human services programs in health, rehabilitation, welfare and community action programs. Applications of planning and evaluation techniques.

HUS 5325 INTERVENTION TECHNIQUES (formerly HUS 5224)
PR: HUS 3001 or CI. Attention will be given to techniques of intervention at individual, small group, and community levels. The need for crisis intervention programs in modern society.

SOW 4332 COMMUNITY ORGANIZATION AND DEVELOPMENT
PR: HUS 3001 or CI. An interdisciplinary approach to community organization and development. A synthesis of social, cultural, psychological, economic, and political information concerning community structure and change.

INTERDISCIPLINARY SOCIAL SCIENCES

ISS 3010 INTRODUCTION TO THE SOCIAL SCIENCES
An introduction to the fields within the social sciences. Emphasis is placed on the concepts, theories and methodologies used in the social sciences. Course may be taken by non-majors.

ISS 4162 THE CITY AND URBANIZATION
An interdisciplinary perspective will be used to analyze the emergence of the city and the urban revolution. Urban planning and governance will be examined in looking at how urban areas deal with social and physical problems.

ISS 4164 URBAN SOCIAL ISSUES: AN INTERDISCIPLINARY APPROACH
This course is designed to examine current social issues from an interdisciplinary perspective. Topic selection will be within the broad framework of technological changes, economic conditions, political ideologies, and their impact on changing social patterns.

ISS 4935 SEMINAR IN THE SOCIAL SCIENCES
PR: Senior standing and ISS 3010. A capstone course designed to provide an in-depth study of topical areas related to the social sciences. Course may be taken by non-majors.

ISS 5994 SELECTED TOPICS
PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

STA 3122 SOCIAL SCIENCE STATISTICS-SA
This course is designed to introduce concepts, theories, and assumptions that underlie specific techniques used in the social sciences. Emphasis is placed on selection of appropriate techniques given the research design to be utilized.

INTERNATIONAL STUDIES

AREA STUDIES
Area study courses are multi-disciplinary in nature and deal with one or more countries of a region. Each course combines some measure of political, economic, historical, religious, geographic, anthropological, and sociological analysis in dealing with salient features and current problems. The same course may be repeated, but only when the countries of concentration differ. The regularly offered area study courses are:

ASN 3030 THE MIDDLE EAST
EUS 3000 EUROPE
LAS 3002 LATIN AMERICA
AFA 4150 AFRICA AND THE UNITED STATES
ASN 3012 JAPAN TODAY
ASN 3014 CHINA TODAY
EUS 3022 SOVIET UNION TODAY

INR 2085 WORLD TENSIONS
A study of the major causes and consequences of critical tensions which lead to serious social disturbances among and within the independent states of the world.

INR 3039 INTERNATIONAL WEALTH AND POWER
Introduction to the relationship between politics and economics, emphasizing the analysis of government policies in response to both domestic and international economic problems.

INR 3141 INTERNATIONAL NUCLEAR POLICY
A study of nuclear issues (such as system development, proliferation, control, strategic policy and war) as they relate to contemporary international politics.

INR 3336 INTELLIGENCE AND U.S. FOREIGN POLICY
An examination of the role of intelligence and the intelligence community in U.S. foreign policy, with emphasis on the period since World War II.

ISS 1211 WORLD PERSPECTIVE
An interdisciplinary study of the international system, major world
regions and problems.

ISS 2221 AMERICA'S ROLE IN THE WORLD (3)
A multidisciplinary study of America's role in world affairs, emphasizing current problems and issues in the formulation and implementation of foreign policy.

ISS 2261 WORLD IDEOLOGIES (3)
A course which details and examines the ideologies of today's independent countries; analyzing them in their political, social, cultural, and historical context.

ISS 3242 INTERNATIONAL TERRORISM (3)
A study of contemporary international terrorism and its causes, ranging from national liberation movements to networks of philosophical anarchists.

ISS 3260 COMMUNISM IN THE MODERN WORLD (3)
An interdisciplinary study of the theory and practice of Communism in the world today.

ISS 3770 COMPARATIVE MILITARY SYSTEMS (3)
A comparative study of ways in which the military institutions of various nations are organized and interact with politics, societies, and economies.

ISS 3930 SELECTED TOPICS IN THE SOCIAL SCIENCES (1-4)
Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

ISS 3955 OVERSEAS STUDY (1-6)
A program of individual or group research in a foreign country.

ISS 4250 THE EMERGING NATIONS (3)
A multidisciplinary study of the efforts of third world nations to improve their status through economic development.

ISS 4900 DIRECTED READINGS (1-3)
PR: Cl. A supervised program of intensive reading of interdisciplinary materials in areas of specific interest. May be repeated.

ISS 4910 DIRECTED RESEARCH (1-3)
PR: Cl. A supervised program of interdisciplinary research in areas of specific interest. May be repeated.

ISS 4931 SELECTED TOPICS (1-4)
Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

ISS 4936 SENIOR SEMINAR (3)
PR: International Studies major and senior standing. A variable topics seminar integrating concepts and analyses relating to the academic background of INT majors. Should be taken in the student's final semester.

WST 3275 WOMEN IN THE DEVELOPING WORLD (3)
A comparative study of women's status in various developing nations with that in various industrialized states. (Also offered under Women's Studies Program.)

OFF-CAMPUS TERM

IDS 4900 DIRECTED READINGS (1-4)
PR: OCT Program approval. Open to all students approved for OCT Program. Provides students with community related readings. May be repeated up to 8 credit hours.

IDS 4910 DIRECTED RESEARCH (1-4)
PR: OCT Program approval. To provide students with community related research experience in areas of specific interest. May be repeated up to 8 credit hours.

IDS 4942 OFF-CAMPUS TERM SOCIAL ACTION PROJECT (1-4)
PR: OCT Program approval. May be repeated up to 4 credit hours. (S/U only.)

IDS 4943 OFF-CAMPUS TERM SPECIAL PROJECT (1-2)
PR: OCT Program approval. (S/U only.)

IDS 4955 OFF-CAMPUS TERM INTERNSHIP PROGRAM (1-2)
PR: OCT Program approval. (S/U only.)

POLITICAL SCIENCE

CPO 3002 INTRODUCTION TO COMPARATIVE POLITICS (3)
Comparison and analysis of representative European and non-Western political systems.

CPO 4034 POLITICS OF THE DEVELOPING AREAS (3)
An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.

CPO 4930 COMPARATIVE GOVERNMENT AND POLITICS OF SELECTED COUNTRIES OR AREAS (3)
Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered. May be repeated up to 9 credit hours as topics vary.

CPO 5934 SELECTED TOPICS IN COMPARATIVE POLITICS (3)
Studies specific substantive areas in comparative politics such as political economy or the politics of specific countries or regions. May be repeated for credit as topics vary.

INR 3012 INTRODUCTION TO INTERNATIONAL RELATIONS (3)
Concepts and analytical tools applied to events such as politics among nations, control of foreign policies, types of actors, war and peace.

INR 3102 AMERICAN FOREIGN POLICY (3)
Analysis of the development and scope of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.

INR 4002 INTERNATIONAL RELATIONS (3)
Analysis of the development and politics of the international economic system, focusing on questions of cooperation and conflict in trade, aid, and investment relationships.

INR 4334 DEFENSE POLICY (3)
Analytic institutional factors contributing to formulation of defense policy and the impact of such policy on international relations.

INR 4403 INTERNATIONAL LAW (3)
Examines essential components of the international legal system: recognition; succession; sea, air and space law, treaties, diplomats, International Court of Justice; laws of war, etc. Introduces the student to legal reasoning as employed in the international context.

INR 4502 INTERNATIONAL ORGANIZATIONS (3)
Study of the operations and structure of international organizations and effects on world politics; background and achievement of the UN; regional organizations and multi-national corporations.

INR 5086 ISSUES IN INTERNATIONAL RELATIONS (3)
Explore specific topics and provides the student with an opportunity for in-depth study of historical and contemporary problems in international politics. May be repeated for credit as topics vary.

POS 2041 AMERICAN NATIONAL GOVERNMENT (3)
Analysis of basic principles and procedures of the American governmental system with emphasis on current issues and trends.

POS 2112 STATE AND LOCAL GOVERNMENT AND POLITICS (3)
Analysis of the structure and function of state and local governments, of the social and political influences that shape them, and of the dynamics of their administrative processes.

POS 3142 INTRODUCTION TO URBAN POLITICS AND GOVERNMENT (3)
Governmental and political structures and processes as they function in urban areas, with special focus on municipalities and locally based public services.

POS 3145 GOVERNING METROPOLITAN AREAS (3)
Examines governmental units and interactions in metropolitan areas, and proposals for changes in governance, and policy areas of wide concern, such as human services.

POS 3173 SOUTHERN POLITICS (3)
Examines changes in electoral policies in the South, and the role of interest groups and the state and federal government in facilitating change.

POS 3182 FLORIDA POLITICS AND GOVERNMENT (3)
A study of Florida political culture, political parties and elections, the legislative, executive, and judicial systems, and policy patterns.

POS 3273 PRACTICAL POLITICS (3)
PR: POS 2041 or POS 3453 or Cl. Coordinated scholarly and practical activity through class lecture and supervised field work in local political parties and election campaigns.

POS 3283 JUDICIAL PROCESS AND POLITICS (3)
The organization, development, and functioning of American court systems and the causes and consequences of judicial behavior.
<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>POS 3453</td>
<td>POLITICAL PARTIES AND INTEREST GROUPS</td>
<td>(3)</td>
<td>Analysis and understanding of role, functions, structure, and composition of such, and their impact on American governmental institutions.</td>
</tr>
<tr>
<td>POS 3691</td>
<td>INTRODUCTION TO LAW AND POLITICS</td>
<td>(3)</td>
<td>Nature of law, legal process, relationship to political life of constitutional law, administrative law, the judicial process, and private law.</td>
</tr>
<tr>
<td>POS 3733</td>
<td>EMPIRICAL POLITICAL ANALYSIS</td>
<td>(3)</td>
<td>Fundamentals of empirical political inquiry: systematic data collection and quantitative analysis techniques. Laboratory exercises using the computer are required.</td>
</tr>
<tr>
<td>POS 3830</td>
<td>SELECTED TOPICS</td>
<td>(3)</td>
<td>Selected topics in political science with course content based upon student demand and instructor's interest. May be repeated for up to 6 credits as topics vary.</td>
</tr>
<tr>
<td>POS 4165</td>
<td>COMMUNITY LEADERS AND POLITICS</td>
<td>(3)</td>
<td>Analysis of the roles and powers of mayors, city managers, council members, and interest and ethnic groups; distribution of community power.</td>
</tr>
<tr>
<td>POS 4204</td>
<td>POLITICAL BEHAVIOR, PUBLIC OPINION, AND ELECTIONS</td>
<td>(3)</td>
<td>Analysis of economic and socio-psychological factors influencing mass and elite political behavior; voting behavior, public opinion, and political activism.</td>
</tr>
<tr>
<td>POS 4413</td>
<td>THE AMERICAN PRESIDENCY-6A</td>
<td>(3)</td>
<td>The presidency as a political institution; analysis of powers; legislative, administrative, political, and foreign policy leadership; crisis management and decision making; White House staffing; limits on power.</td>
</tr>
<tr>
<td>POS 4424</td>
<td>THE AMERICAN CONGRESS</td>
<td>(3)</td>
<td>Organization, procedures, committee system, party leadership, relations with governmental and nongovernmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.</td>
</tr>
<tr>
<td>POS 4514</td>
<td>CONSTITUTIONAL LAW I</td>
<td>(3)</td>
<td>PR: POS 2041. Leading social problems, principle institutions, and the scope of powers. Analysis of Supreme Court decisions, scholarly commentaries, and the writings of leading public figures.</td>
</tr>
<tr>
<td>POS 4624</td>
<td>CONSTITUTIONAL LAW II</td>
<td>(3)</td>
<td>PR: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries on the constitutional rights of individuals.</td>
</tr>
<tr>
<td>POS 4653</td>
<td>WOMEN AND LAW I</td>
<td>(3)</td>
<td>Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues.</td>
</tr>
<tr>
<td>POS 4694</td>
<td>WOMEN AND LAW II</td>
<td>(3)</td>
<td>PR: POS 4693 or Cl. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men. (May also be taken for credit in Women's Studies.)</td>
</tr>
<tr>
<td>POS 4904</td>
<td>INDEPENDENT STUDY</td>
<td>(1-3)</td>
<td>PR: 3.0 average in Political Science and Cl. Specialized study determined by the student's needs and interests. (S/U only.)</td>
</tr>
<tr>
<td>POS 4910</td>
<td>INDIVIDUAL RESEARCH</td>
<td>(1-3)</td>
<td>PR: 3.0 average in Political Science and Cl. Investigation of some aspect of political science culminating in the preparation of an original research paper.</td>
</tr>
<tr>
<td>POS 4936</td>
<td>SENIOR SEMINAR</td>
<td>(3)</td>
<td>PR: Senior standing and Cl. An opportunity to work with others in a seminar format, exploring specialized topics.</td>
</tr>
<tr>
<td>POS 4941</td>
<td>FIELD WORK</td>
<td>(3)</td>
<td>PR: 3.0 average in Political Science and Cl. Opportunity for students to obtain practical experience as aides to agencies of government and political parties.</td>
</tr>
<tr>
<td>POS 4970</td>
<td>HONOR THESIS</td>
<td>(3)</td>
<td>PR: Admission to Honor option. Writing of honor thesis under direction of faculty members.</td>
</tr>
<tr>
<td>POS 5094</td>
<td>ISSUES IN AMERICAN NATIONAL AND STATE GOVERNMENT</td>
<td>(3)</td>
<td>Selected topics of study in American government. May be repeated for credit as topics vary.</td>
</tr>
<tr>
<td>POS 5155</td>
<td>ISSUES IN URBAN GOVERNMENT AND POLITICS</td>
<td>(3)</td>
<td>Selected issues and topics in Urban Government and politics. May be repeated for credit as topics vary.</td>
</tr>
<tr>
<td>POS 5734</td>
<td>POLITICAL RESEARCH METHODS</td>
<td>(3)</td>
<td>A survey of methods, problems, and issues in political research and analysis for the advanced student.</td>
</tr>
<tr>
<td>POT 3003</td>
<td>INTRODUCTION TO POLITICAL THEORY</td>
<td>(3)</td>
<td>Examines various kinds of theory used in political science for understanding political life: normative theory, empirical theory, historicist theory, analytical theory, and critical theory.</td>
</tr>
<tr>
<td>POT 3013</td>
<td>CLASSICAL POLITICAL THEORY</td>
<td>(3)</td>
<td>Analysis of basic ideas of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.</td>
</tr>
<tr>
<td>POT 4054</td>
<td>MODERN POLITICAL THEORY</td>
<td>(3)</td>
<td>Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.</td>
</tr>
<tr>
<td>POT 4064</td>
<td>CONTEMPORARY POLITICAL THOUGHT</td>
<td>(3)</td>
<td>Examines various political views and political phenomena in the nineteenth and twentieth centuries. Diverse theoretical types and salient political phenomena will be presented.</td>
</tr>
<tr>
<td>POT 4204</td>
<td>AMERICAN POLITICAL THOUGHT</td>
<td>(3)</td>
<td>Examines political writings in the U.S. and responses to critical periods in history, beginning with the Founding Fathers, and culminating in recent contributions and understanding contemporary political problems and solutions.</td>
</tr>
<tr>
<td>POT 5626</td>
<td>ISSUES IN POLITICAL PHILOSOPHY AND LAW</td>
<td>(3)</td>
<td>PR: Graduate or senior standing and Cl. Selected topics in political philosophy and law. May be repeated as topics vary.</td>
</tr>
<tr>
<td>PUP 4323</td>
<td>WOMEN IN POLITICS</td>
<td>(3)</td>
<td>An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process. Open to majors and non-majors. (May also be taken for credit in Women's Studies.)</td>
</tr>
<tr>
<td>PUP 5607</td>
<td>PUBLIC POLICY AND HEALTH CARE</td>
<td>(3)</td>
<td>The study of health care policy as it relates to the policy process in the American setting.</td>
</tr>
<tr>
<td>URF 4050</td>
<td>CITY PLANNING AND COMMUNITY DEVELOPMENT</td>
<td>(3)</td>
<td>An introduction to the development, role, and components of city planning, and the political and actual policies of government in attempting to regulate or control urbanization.</td>
</tr>
</tbody>
</table>

**PSYCHOLOGY**

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CBH 4004</td>
<td>COMPARATIVE PSYCHOLOGY</td>
<td>(3)</td>
<td>PR: PSY 3213 with a grade of C or better or Cl. The study of the evolution of behavior, similarities, and differences in capacities for environmental adjustment and for behavioral organization among important types of living beings.</td>
</tr>
<tr>
<td>CLP 3003</td>
<td>PSYCHOLOGY OF ADJUSTMENT</td>
<td>(3)</td>
<td>Genetic, organic, and learned factors involved in the processes of personal adjustment: applications of mental health principles to everyday living. Not for major credit.</td>
</tr>
<tr>
<td>CLP 4143</td>
<td>ABNORMAL PSYCHOLOGY</td>
<td>(3)</td>
<td>CLP 3213 with a grade of C or better or Cl. Descriptions, theoretical explanations, research evidence, and treatment of maladaptive behavior.</td>
</tr>
<tr>
<td>CLP 4414</td>
<td>BEHAVIOR MODIFICATION</td>
<td>(3)</td>
<td>PR: PSY 3213 with a grade of C or better and Cl. Introduction to behavior analysis, and application of learning principles, behavioral measurement, research designs, and interventions in treatment settings.</td>
</tr>
<tr>
<td>CLP 4433</td>
<td>PSYCHOLOGICAL TESTS AND MEASUREMENT</td>
<td>(3)</td>
<td>PR: PSY 3213 with a grade of C or better or Cl. A consideration of the instruments for intellectual and personality assessment including their applications, development, and potential abuses. Students may not receive credit for both CLP 4433, and EDF 4430.</td>
</tr>
</tbody>
</table>
DEP 3103 CHILD PSYCHOLOGY  
(3)  
Developmental and psychosocial aspects of childhood, including hereditary, maturational, psychological, and social determinants of child behavior. Not for major credit.

DEP 4006 DEVELOPMENTAL PSYCHOLOGY  
PR: PSY 3213 with a grade of C or better or CI. Surveys of methods, empirical findings, and theoretical interpretations in the study of human and animal development.

DEP 4136 PSYCHOLOGY OF LANGUAGE DEVELOPMENT  
PR: PSY 3213 with a grade of C or better or CI. Available to both majors and non-majors. Surveys the course of and processes underlying normal language development. Presents data and theory on phonological, semantic, syntactic, and pragmatic development.

EXP 4104 SENSORY PROCESSES  
PR: PSY 3213 with a grade of C or better or CI. Available to both majors and non-majors. Psychophysical and neurophysiological data and theory underlying sensory processes. Visual, auditory, chemical, and somatosensory systems, with particular emphasis on visual processes.

EXP 4204C PERCEPTION  
PR: PSY 3213 with a grade of C or better or CI. How man perceives his environment. Topics include sensory basis of perception, physical correlates of perceptual phenomena, and the effects of individual and social factors on perception.

EXP 4304 MOTIVATION  
PR: PSY 3213 with a grade of C or better or CI. An examination of human and animal motivations from both physiological and psychological viewpoints.

EXP 4404 PSYCHOLOGY OF LEARNING  
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in conditioning and instrumental learning.

EXP 4523C COGNITIVE PSYCHOLOGY  
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical finding, and theoretical interpretations of human learning, information processing, and verbal learning.

INP 3101 APPLIED PSYCHOLOGY  
(3)  
The application of psychological principles and the functions of psychologists in education, government, industry, and clinical practice.

INP 4004 INDUSTRIAL PSYCHOLOGY  
PR: PSY 3213 with a grade of C or better or CI. Applications of psychological principles to industry. Topics include: selection, training, motivation, job satisfaction, supervision, decision-making.

PPE 4004 PERSONALITY  
PR: PSY 3213 with a grade of C or better or CI. Methods and findings of personality theories and an evaluation of constitutional, biosocial, and psychological determinants of personality.

PSB 4013C NEUROPSYCHOLOGY  
PR: PSY 3213 with a grade of C or better or CI. Gross neural and physiological components of behavior. Structure and function of the central nervous system as related to emotion, motivation, learning, and theory of brain functions.

PSY 2012 AN INTRODUCTION TO CONTEMPORARY PSYCHOLOGY  
(3)  
A broad survey of psychology for both majors and non-majors with special emphasis on the more applied areas of psychology (e.g., social psychology, abnormal psychology, personality, and developmental psychology.)

PSY 3044 EXPERIMENTAL PSYCHOLOGY  
PR: PSY 2012 or CI. Designed as an in-depth examination of the basic principles and concepts of psychology. Extensive coverage will be given to the areas of learning, perception, and neuropsychology.

PSY 3022 CONTEMPORARY PROBLEMS IN PSYCHOLOGY  
(3)  
The content of this course varies depending on the needs and interest of students and faculty. Offerings include in-depth coverage of specialized aspects of psychology applied to contemporary problems not studied in general introductory courses.

PSY 3213 RESEARCH METHODS IN PSYCHOLOGY  
PR: PSY 3044. This course considers the logic of experimental design, concept of control and the analysis of experimentally obtained data. The laboratory section provides experience applying the concepts discussed in lecture. Two lectures plus two-hour lab. May be taken concurrently with PSY 3044.

PSY 4205 EXPERIMENTAL DESIGN AND ANALYSIS  
PR: PSY 3213 with grade of C or better. Detailed coverage of those research designs and statistical techniques having the greatest utility for research problems in psychology. Emphasis on topics from analysis of variance.

PSY 4604 SYSTEMATIC PSYCHOLOGY  
PR: PSY 3213 with a grade of C or better or CI. The historical roots of modern psychological theories, investigation of the various schools of psychology such as behaviorism, Gestalt psychology, psychoanalysis, and phenomenological psychology.

PSY 4913 DIRECTED STUDY  
(1-3)  
PR: Upper level standing and CI. The student plans and conducts an individual research project or program of directed readings under the supervision of a faculty member. May be repeated with a maximum of 3 semester hours.

PSY 4931 SELECTED TOPICS: SEMINAR  
PR: Upper level standing and CI. Graduate-type seminar designed to provide the advanced undergraduate student with an in-depth understanding of a selected sub-area within psychology. May be repeated with a maximum of six (6) hours credit.

PSY 4932 HONORS SEMINAR  
(2)  
PR: Admission to honors program in psychology and CI. Graduate type seminar designed to provide the honors student with an opportunity to present, discuss, and defend his own research and to explore in-depth topics in several areas of psychology. May be repeated with a maximum of 6 hours credit.

PSY 4970 HONORS THESIS  
(4)  
PR: Admission to honors program in psychology and CI. The student under supervision of a faculty member will formalize, conduct, analyze, and report in writing a research project in psychology. May be repeated with a maximum of 8 credit hours.

SOP 3742 PSYCHOLOGY OF WOMEN  
(3)  
May be repeated with a maximum of 8 credit hours.

SOP 4004 SOCIAL PSYCHOLOGY  
PR: PSY 3213 with a grade of C or better or CI. Survey of methods, empirical findings, and theoretical interpretations in the study of an individual's behavior as it is affected by others.

SOP 4714C ENVIRONMENTAL PSYCHOLOGY  
PR: PSY 2012 or PSY 3044 or CI. Explores the influences of environment on behavior. Topics considered include crowding, privacy, territorial behavior, environmental design, and pollution effects. Designed for both psychology majors and non-majors.

PUBLIC ADMINISTRATION

PAD 3003 INTRODUCTION TO PUBLIC ADMINISTRATION  
(3)  
Examination of organizational behavior and change, policy process, public management, financial administration, and personnel management from the perspective of public and social delivery.

PAD 4202 PUBLIC FINANCIAL ADMINISTRATION  
(3)  
Analysis of problems in the growth and development of public budgetary theory and Federal budgetary innovations.

PAD 5333 ISSUES IN PUBLIC ADMINISTRATION AND PUBLIC POLICY  
Select issues and topics in Public Administration and Public Policy. May be repeated for credit as topics vary.

PAD 5335 CONCEPTS AND ISSUES IN PUBLIC PLANNING  
PR: URP 4050 or URP 6056. Analysis of basic concepts, issues, and strategies of planning; policy determination, collection of information, and decision-making.
REHABILITATION COUNSELING

EGC 5060 REHABILITATION COUNSELING: CONCEPTS AND APPLICATIONS (3)
This introductory course (1) surveys the theories, concepts, and attitudes involved in helping disabled or enabled persons become increasingly able. (2) provides initial experiences with these counseling perspectives and methods and their personal application.

EGC 5065 FOUNDATIONS AND ETHICS (4)
An overview of rehabilitation history and introduction to rehabilitation processes and ethical issues in the public and private sectors. Ethical, legal, and professional standards in rehabilitation and mental health counseling are emphasized.

EGC 5375 MEDICAL ASPECTS OF DISABILITY (4)
PR: EGC 5065 or CI. A survey of medical conditions and disabilities encountered by rehabilitation and mental health counselors. Examines the relationship of client handicap, physical and mental, to rehabilitation and mental health programming.

EGC 5433 SEMINAR I: HUMAN DEVELOPMENT THEORY IN COUNSELING (3)
PR: EGC 5065, EGC 5725 or CI. Human development theory as applied in psychotherapy and case management in mental health, addictions, and other rehabilitation settings. Must be taken concurrently with EGC 5850. (S/U Only.)

EGC 5485 THEORETICAL ISSUES IN APPLIED ALCOHOL ABUSE IN REHABILITATION COUNSELING (4)

EGC 5725 INTERPERSONAL COUNSELING I: PERSONALITY THEORY (4)
PR: CI. Focuses on the utilization of one’s self in rehabilitation and mental health counseling relationships. Emphasis on the experiential exploration and development of interpersonal skills within the context of personality theories.

EGC 5850 PRACTICUM I (1)
PR: EGC 5065, EGC 5725 or CI. Supervised experience and participation in counseling in a variety of rehabilitation settings for a minimum of 120 hours. Must be taken concurrently with EGC 5433. (S/U Only.)

EGC 5905 DIRECTED STUDIES (1-4)
PR: CI. Supervised rehabilitation studies relevant to student’s professional development. May be repeated for a maximum of 8 hours credit.
COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

SOW 4930 VARIABLE TOPICS IN SOCIAL WORK (1-3)
Restricted to Social Work majors; others by Department permission. Variable title courses to expand on the four sequence areas in the Social Work core curriculum. Allows focus on areas relevant to student's educational interest.

SOW 5930 SELECTED TOPICS IN SOCIAL WORK (1-4)
Restricted to Social Work majors, both graduate and undergraduate; others by Department permission. Course is taken as an elective. Variable title courses will selectively expand specific social work content areas. May be repeated in varying topic areas.

SOCIOLOGY

SYA 3010 FOUNDATIONS OF THEORY (3)
PR: SYG 2000 or Cl. Consideration of selected theories in sociology and procedures of systematic theory construction.

SYA 3300 SOCIAL INVESTIGATION (3)

SYA 3503 COMMENTARY FILM MAKING IN THE SOCIAL SCIENCES (3)
PR: Major in the College of Social and Behavioral Sciences and CR in an upper level course. For students majoring in some other college, approval by major professor and instructor of course are both required, but concurrent registration in one of the social and behavioral science courses is maintained. The consideration of the theoretical and technical requirements for expressing social science concepts and propositions on film. Film planning, camera techniques, editing silent film, and the utilization of the independent sound (tape cassette) in the commentary film. Ethics of film making.

SYA 3504 LABORATORY WORK IN COMMENTARY FILM MAKING IN THE SOCIAL SCIENCES (1)
PR: SYA 3503, CR in a course in the social and behavioral sciences with instructor's approval to enable student to make a film in lieu of some other course requirement. A continuation of lab and field work in the making of commentary films. Camera, editorial and problems of independent sound solved in the context of making a film in one of the social sciences. Does not count for sociology major credit. May be repeated for a maximum of three credits. (S/U only.)

SYA 4145 SOCIOLOGY OF MORALS (3)
PR: SYG 2000 or Cl. An examination of the place of morals in social life, with special attention to politics, work, social structure, and the theoretical and methodological considerations of social relations.

SYA 4430 COMPUTERS IN SOCIOLOGICAL RESEARCH (3)
Introduction to the uses of computers in sociological research. Major emphasis is upon the use of statistical packages (principally SPSS) in data analysis. (S/U only.)

SYA 4910 INDIVIDUAL RESEARCH (1-3)
PR: Four courses in sociology, including SYA 3300, upper level standing, at least 3.0 overall GPA, or Cl. Content dependent upon interest and competence of student. A contract specifying the work to be done must be completed and signed by both the student and the chairperson of the Department before registration for this course will be permitted. May be repeated for credit. Up to 3 credits may be counted towards meeting major electives requirement.

SYA 4930 TOPICS IN SOCIOLOGY (3)
PR: 12 semester hours of Sociology and prior Cl. May be repeated for credit. See class schedule for content.

SYA 4935 SENIOR SEMINAR (3)
For seniors majoring in sociology or other social sciences. Major issues in sociology, stressing theory and research

SYA 5949 SOCIOLOGICAL INTERNSHIP (1-6)
PR: Senior or graduate standing in Sociology plus Cl. Supervised placement in community organization or agency for a minimum of 10 hours of volunteer work per week, and a weekly seminar on applying sociological skills and methods in the placement setting. May be repeated up to 6 credit hours. (S/U only).

SYD 3700 RACIAL AND ETHNIC RELATIONS (3)
PR: SYG 2000 or Cl. Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SYD 4020 POPULATION (3)
PR: SYG 2000 or Cl: upper level standing. Sociological determinants of fertility, mortality and migration; theories of population change.

SYD 4410 URBAN SOCIOLOGY (3)
PR: SYG 2000 or Cl. upper level standing. The social structure of the community in modern industrial societies. Analysis of community change.

SYD 4441 COMPARATIVE RURAL SOCIOLOGY (3)
PR: SYG 2000 or Cl. The study of rural life in the United States; compares the situation in the United States with that of other societies as well as other times in history; some aspects of rural peasant societies and experiments in rural community formation.

SYD 4800 SOCIOLOGY OF SEX ROLES (3)
PR: SYG 2000; WST 2010 or 2011; or Cl. Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (Also offered under Women's Studies.)

SYG 2000 INTRODUCTION TO SOCIOLOGY (3)
Nature and application of sociological concepts, theories, and methods; analysis of societies, associations and groups; social processes and social change.

SYG 2412 MARRIAGE (3)
Study of pre-marital relations. Social, cultural, and personal factors related to success and failure in mate selection and marriage. Does not count for sociology major credit.

SYG 3010 CONTEMPORARY SOCIAL PROBLEMS (3)
Application of sociological concepts and principles to the description and analysis of major social problems of modern societies. Does not count for sociology major credit.

SYO 3120 THE FAMILY (3)
PR: SYG 2000 or Cl. Principles of family organization, social adjustment, and control. Maturation, socialization, and stability of the family.

SYO 3200 SOCIOLOGY OF RELIGION (3)
PR: SYG 2000 or Cl. Types, sources, and functions of religious behavior. Religious behavior in relation to other aspects of personality and culture.

SYO 3565 SOCIAL ORGANIZATION (3)
PR: SYG 2000 or Cl. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.

SYO 3566 SOCIAL STRATIFICATION (3)
PR: SYG 2000 or Cl. Social status and social stratification, social class as a factor in behavior, social mobility.

SYO 4300 POLITICAL SOCIOLOGY (3)
PR: SYG 2000 or Cl. An examination of the social factors that affect government, politics, and political behavior.

SYO 4370 OCCUPATIONS AND PROFESSIONS (3)
PR: Upper level standing or Cl. A comparative analysis of professions, particularly medicine, law, teaching, allied health professions, engineering. Focus on process professionalizing service occupations like policework, business management, public administration and social work.

SYO 4400 SOCIOLOGY OF MEDICINE (3)
PR: SYG 2000 or Cl. An examination of the major theoretical and methodological tools used by sociologists in studying medical care. A representative sampling of medical sociological studies will be reviewed and discussed.

SYO 5365 INDUSTRIAL SOCIOLOGY (3)
PR: SYG 2000 or Cl; upper level standing. Interaction, communication and authority in economic organization; the factory as a social system.

SYP 3000 SOCIAL PSYCHOLOGY (3)
PR: PSY 2012 or SYG 2000. Behavior of the individual human being as affected by social and cultural influences of modern society.

SYP 4300 COLLECTIVE BEHAVIOR (3)
PR: SYG 2000 or Cl; upper level standing. Study of the development
of group and mass behavior crowds, social movements.

SYP 4400 SOCIETY IN TRANSITION (3)
PR: Introduction to Sociology and upper level standing. An analysis of the forces for change in contemporary society, utilizing a sociological perspective.

SYP 4420 SOCIOLOGICAL IMPLICATIONS OF INDUSTRIALIZATION (3)
PR: SYG 2000 or Cl. Socio-cultural elements which define and accompany the process of industrialization as observed in mature industrial nations.

SYP 4510 SOCIOLOGICAL ASPECTS OF DEVIANTE (3)
PR: SYG 2000, or Cl. Definition and theories of deviance applied to substantive areas such as drug use, sexual varieties, and other stigmatized activities, mental illness, and white collar crimes.

SYP 4520 CRIMINOLOGY (3)
PR: SYG 2000 or Cl.; upper level standing. Etiology of criminal behavior; law enforcement, crime in the United States, penology and prevention.

SYP 4530 JUVENILE DELINQUENCY (3)

SYP 4640 LEISURE IN SOCIETY (3)
Facts and trends of changing leisure-time patterns in the USA and other countries; various conceptualizations of leisure; relationships on non-work time to work attitudes, personality, family, community, subcultures, religion, value systems, social class, and the functions of government.

SYP 4660 SPORT IN SOCIETY (3)
An examination of the broad issues concerning sport in both a historical and contemporary perspective. Sport will be viewed in relation to social institutions, economic considerations, mass media, and the sport group as a micro-social system.

SYP 5035 SOCIOLOGY OF SMALL GROUPS (3)
PR: SYG 2000 or Cl.; upper level standing. Theory of small group structure, mechanics of interaction, observation of small groups.

SYP 5055 SOCIAL INTERACTION (3)
PR: SYG 3000 or Cl.; upper level standing. Interpersonal influence, complex behavior, role, conflict, and social situational factors.

SYP 5405 SOCIAL CHANGE (3)
PR: SYG 2000 or Cl.; upper level standing. Major theories of social and cultural change, and mechanisms of change in various societies.

WOMEN'S STUDIES

AFA 4335 BLACK WOMEN IN AMERICA (3)
PR: WST 2010, or AFA 2001, or Cl. An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience. (Offered for credit in Women's Studies or African and AfroAmerican Studies.)

AMH 3561 AMERICAN WOMEN I (4)
A study of women in the evolution of American society from European origins to 1877. Women's roles in the family, economy, politics, wars, religion and reform movements will be examined. (May also be taken for credit in History.)

AMH 3562 AMERICAN WOMEN II (4)
A study of women in the evolution of American society from 1877 to the present. Women's roles in the family, economy, politics, wars, religion and reform movements will be examined. (May also be taken for credit in History.)

AMS 3370 SOUTHERN WOMEN: MYTH AND REALITY - 6A (3)
An analysis of the myths surrounding Southern Women, this course will identify these myths, discern their sources and purposes, and contrast them with history. (May also be taken for credit in American Studies.)

ANT 4302 SEX ROLES IN CROS CULTURAL PERSPECTIVE (3)
PR: ANT 3410 or Cl. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today. (Also offered under Anthropology.)

LIT 3383 IMAGE OF WOMEN IN LITERATURE (3)
An historical literary analysis of stereotyped and liberated female images from Sappho through the emergence of the women's movement. (May also be taken for credit in English.)

POS 4693 WOMEN AND LAW I (3)
Introduction to issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law, focusing on constitutional and family law and reproductive freedom issues. Open to majors and non-majors. (May also be taken for credit in Political Science.)

POS 4694 WOMEN AND LAW II (3)
PR: POS 4693 or Cl. Legal position of women in American society and remedies available to challenge current laws and practices, with specific emphasis on employment and education issues as they relate to both women and men. (May also be taken for credit in Political Science.)

PUP 4323 WOMEN AND POLITICS (3)
An analysis of the impact of gender on power and influence in American society, and women's changing role in the political process. Open to majors and non-majors. (May also be taken for credit in Political Science.)

REL 3145 WOMEN AND RELIGION - 6A (3)
Status and roles of women as compared to men in the Judeo-Christian tradition. Contemporary issues of feminist theology, and the controversies surrounding them. (May also be taken for credit in Religious Studies.)

SOP 3742 PSYCHOLOGY OF WOMEN (3)
Theories of female personality. Current research on socialization, sexuality, reproduction. Emerging lifestyles and developmental tasks of the life cycle. (May also be taken for credit in Psychology.)

SYD 4800 SOCIOLOGY OF SEX ROLES (3)
PR: SYG 2000, WST 2010 or 3011; or Cl. Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (Also offered under Sociology.)

WST 3010 INTRODUCTION TO WOMEN'S STUDIES (3)
Survey of major issues relevant to the female experience. The women's movement: historical, psychological, sociological, anthropological perspectives.

WST 3011 ISSUES IN FEMINISM (3)
Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.

WST 3210 WOMEN IN WESTERN CIVILIZATION I - 6A (3)
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages. Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender. (May also be taken for credit in History.)

WST 3220 WOMEN IN WESTERN CIVILIZATION II (3)
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in History.)

WST 3270 AMERICAN WOMAN IN CONTEMPORARY SOCIETY I (3)
An analysis of the status and opportunities of contemporary American women in their social context, using both historical and sociological data. (Only offered on the Ft. Myers campus.)

WST 3271 AMERICAN WOMAN IN CONTEMPORARY SOCIETY II (3)
An analysis of current issues facing American women, focusing on the nature and consequences of stereotyping, and on women and employment, creativity, health issues, the family, aging, poverty and abuse. (Only offered on the Ft. Myers campus)

WST 3275 WOMEN IN THE DEVELOPING WORLD (3)
Survey of status of women in Asia, Africa, Latin and Caribbean America, compared to that in USA, Canada, West Europe, Marxist-Leninist countries. (May also be taken for credit in International Studies.)

WST 3360 MEN AND SEXISM (3)
Ways in which sex role conditioning affects the lives of men. Factors in this conditioning, and alternatives to masculine sex role models.
WST 4309 THE FEMALE EXPERIENCE IN AMERICA (3)
PR: WST 3010, or WST 3011, or Cl. The female experience in America, in historical context, viewed through the writings of women of various classes, races, ethnic groups. Current research on American women by feminist historians. (May also be taken for credit in History.)

WST 4310 FEMINISM IN AMERICA (3)
PR: WST 3010, or WST 3011, or Cl. Emergence of the women's movement in 19th century America: origins, theoretical and practical issues, relation to European feminism. Sources, issues, implications of 20th century feminism. (May also be taken for credit in History.)

WST 4320 WOMAN'S BODY/WOMAN'S MIND (3)
An analysis of the historical, social and political perspectives of women's health and healing experiences, and how woman's role as patient and provider of care are shaped by public and cultural assumptions.

WST 4380 HUMAN SEXUAL BEHAVIOR (3)
The dynamics of human sexuality: biological, constitutional, cultural, and psychological aspects. The range of sexual behavior across groups. Sources of beliefs and attitudes about sex, including sex roles and especially female sexuality.

WST 4900 DIRECTED READINGS (1-3)
PR: Registration requires instructor's written consent and signed contracts from instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest. May be repeated up to 6 credit hours.

WST 4910 DIRECTED RESEARCH (1-3)
PR: Registration requires instructor's written consent and signed contracts from instructor of choice. To provide advanced students with interdisciplinary research experience in areas of specific interest. May be repeated up to 6 credit hours.

WST 4930 SELECTED TOPICS (1-4)
PR: WST 3010 or Cl. Study in special areas such as Feminist Ethics, Women Artists, etc.

WST 4935 SEMINAR IN WOMEN'S STUDIES (3)
PR: WST 3010 or Cl. In-depth study of research in one or more areas of topical interest to students and staff. Research involvement by students required.

WST 5934 SELECTED TOPICS (1-4)
Study of current research methods and scholarship on women from a multidisciplinary perspective. May be repeated as topics vary. (Cl).
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Lab Animal Medicine
Medical Center Library
Personnel
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Senior Associate Dean
Associate Dean for Student Activities
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 Associate Dean for Continuing Medical Education
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Internal Medicine
Medical Microbiology and Immunology
Neurology
Obstetrics and Gynecology
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Pathology
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Physiology
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Radiology
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Student Affairs
Suncoast Gerontology Center
Diabetes Center

College of Nursing

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Assistant Dean for Undergraduate Studies
Assistant Dean for Graduate Studies
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College of Public Health

Dean
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Academic Affairs

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Assistant Provost
Associate Vice President
Associate Vice President, Information Resources
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Assistant Vice President for Admissions & Records and University Registrar

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Admissions
Florida Center for Urban Design & Research
Florida Institute of Oceanography
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International Exchange Center on Gerontology
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College of Arts and Letters

Dean (Acting)
Associate Dean (Acting)
Coordinator of Advising

Chairpersons:
American Studies
Classics
Communication
English
Humanities
Mass Communications
Philosophy
Religious Studies

Director:
Division of Language
**College of Business Administration**

<table>
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<tr>
<th>Role</th>
<th>Name</th>
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<tr>
<td>Dean</td>
<td>JAMES L. PAPPAS</td>
</tr>
<tr>
<td>Associate Dean of Administration and Director of Undergraduate Studies</td>
<td>THOMAS E. NESS</td>
</tr>
<tr>
<td>Associate Dean of Graduate Studies and Research</td>
<td>ROBERT L. ANDERSON</td>
</tr>
<tr>
<td>Academic Director of Executive MBA Program</td>
<td>STEVEN A. BAUMGARTEN</td>
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- Economics (Acting): R. MARK WILSON
- Finance (Acting): RICHARD L. MEYER
- Information Systems/Decision Sciences (Acting): HAMILTON W. STIRLING
- Management: ALTON C. BARTLETT
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  - Institute For Banking and Finance: JAMES L. PAPPAS
  - Development: RICHARD T. BOWERS
  - Institute for Information Systems Management: WAYNE C. SWANSON

**College of Education**

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<tr>
<td>Dean</td>
<td>WILLIAM KATZENMEYER</td>
</tr>
<tr>
<td>Associate Dean, Administration, Associate Dean, Programs, Asst. Dean, Clinical Education, &amp; Special Projects, Asst. Dean, Community Relations</td>
<td>H. EDWIN STEINER EVELYN SEARLS MARCIA MANN DICK PUGLISI</td>
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**Chairpersons:**
- Adult and Vocational Education: WILLIAM BLANK
- Childhood/Language Arts/Reading Education: PHILIP PFOS TBA
- Counselor Education: TBA
- Educational Leadership: DONALD ORLOSKY
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  - School of Library and Information Science: TBA
  - School Management Institute: KAROLYN SNYDER

**College of Engineering**

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<tr>
<td>Dean</td>
<td>MICHAEL G. KOVAC</td>
</tr>
<tr>
<td>Associate Dean for Academics, Associate Dean for Computing Services, Associate Dean for Research, Assistant Dean</td>
<td>MELVIN W. ANDERSON J. ANTHONY LLEWELLYN THOMAS E. WADE ANDREW BARRETT</td>
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**Chairpersons:**
- Chemical Engineering: CARLOS A. SMITH
- Civil Engineering and Mechanics: WAYNE F. ECHELBERGER, JR.
- Computer Science and Engineering: MURALI R. VARANASI
- Electrical Engineering: ELIAS K. STEFANAKOS
- Industrial and Management Systems Engineering: PAUL E. GIVENS
- Mechanical Engineering: WILLIAM A. SMITH
- Directors:
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  - Bi-County Center for Engineering: HORACE GORDON
  - Center for Microelectronic Design and Test: JOSEPH STACH
  - Center for Urban Transportation Research: GARY BROSCH
  - College of Engineering Facilities Development: RANDALL CAIN
  - Lakeland: FRANK YOUNG
  - Southern Technology Applications Center: MICHELE YOUNG
  - Technology: DOLORES K. GOODING

**College of Fine Arts**

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<tr>
<td>Dean</td>
<td>JOHN L. SMITH</td>
</tr>
<tr>
<td>Associate Dean, Associate Dean</td>
<td>VIRGINIA BRIDGES JOHN W. COXER</td>
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**Chairpersons:**
- Art (Acting): BRUCE MARSH
- Dance (Acting): DAVID WILLIAMS
- Music: JACK HELLER
- Theatre: JIM HANCOCK
- Directors:
  - Development: GLENDA HODGSON
  - Media/Public Relations: CLAUDIA NOBLE
  - SYCOM: ROBERT KEEFE
  - USF Art Museum & Gallery: MARGARET MILLER
- Coordinator:
  - Fine Arts Events Production: CARL MUSSON PATRICK FINELLI

**College of Natural Sciences**

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<tr>
<td>Dean</td>
<td>LEON MANDELL</td>
</tr>
<tr>
<td>Associate Dean for Academic and Administrative Affairs, Coordinator of Advising</td>
<td>STEWART L SWIHART ALBERT A. LATINO</td>
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**Council of Business Administration**

- Council Director: MARCIA MANN
- Student Personnel: MELVIN VILLEME
- SunCoast Area Teacher Training Program (SCATT): MARCIA MANN
- Teacher Education Center: PHILIP PFOS T
- West Central Regional Management Network: MARILYN KATZENMEYER

**College of Engineering**

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- Associate Dean for Computing Services: J. ANTHONY LLEWELLYN
- Associate Dean for Research: THOMAS E. WADE
- Assistant Dean: ANDREW BARRETT

**Chairpersons:**
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- Civil Engineering and Mechanics: WAYNE F. ECHELBERGER, JR.
- Computer Science and Engineering: MURALI R. VARANASI
- Electrical Engineering: ELIAS K. STEFANAKOS
- Industrial and Management Systems Engineering: PAUL E. GIVENS
- Mechanical Engineering: WILLIAM A. SMITH

**College of Fine Arts**

- Dean: JOHN L. SMITH
- Associate Dean: VIRGINIA BRIDGES
- Associate Dean: JOHN W. COKER

**Chairpersons:**
- Art (Acting): BRUCE MARSH
- Dance (Acting): DAVID WILLIAMS
- Music: JACK HELLER
- Theatre: JIM HANCOCK

**College of Natural Sciences**

- Dean: LEON MANDELL
- Associate Dean for Academic and Administrative Affairs, Coordinator of Advising: STEWART L SWIHART ALBERT A. LATINO
Chairpersons:

Biology
MARVIN R. ALVAREZ

Chemistry
STEWART W. SCHNECKER

Geology
MARK STEWART

Marine Science
PETE R. BETZER

Mathematics
KENNEHT L. POTHOVEN

Physics
SWAMINATHA SUNDARAM

Directors:

Botanical Gardens
FREDERICK B. ESSIG

Herbarium
RICHARD P. WUNDERLIN

Medical Technology
EUGENE D. OLSEN

Planetarium
JOE A. CARR

Pre-Medical Advising Committee
CAROLE F. HENDRY
SYLVIA C. KING

College of Social and Behavioral Sciences

Dean
JULIA M. DAVI S

Associate Dean
EDWARD SILBERT
CURTIS W. WIENKER

Chairpersons:

Anthropology
ROGER GRANGE

Communication Science & Disorders
ELAINE R. SILLMAN

Criminology
WILLIAM R. BLOUNT

Economics (Acting)
R. MARK WILSON

Geography
ROBERT AANGENBRUG

Gerontology
THOMAS RICH

History
ROBERT P. INGALLS

Political Science (Acting)
WILLIAM E. HULBARY

Psychology
LOUIS PENNER

Rehabilitation Counseling
CALVIN PINKARD

Social Work
BONNIE YEID IS

Sociology
RAY WHEELER

Division Director:

Interdisciplinary Social Science
MARILYN MYERSON

Program Directors:

African and Afro-American Studies
FESTUS OHAEGBULAM

Coordinators:

International Studies
HARVEY NE LSEN

Women's Studies
JANICE SNOOK

Program Directors:

Human Resources Institute
JULIA M. DAVIS

Public Administration (Acting)
EDWARD M. SILBERT

Florida Mental Health Institute

Dean
MAX C. DERTKE

Deputy Director, Administration
FRANCIS M. PARIS

Deputy Director, Programs
TBA

Chairpersons:

Department of Aging & Mental Health
LARRY SCHONFELD

Department of Child & Family Studies
L. ADLAI BOYD

Department of Community Mental Health
MICHAEL KNOX

Department of Crime & Delinquency
RICHARD M. SWANSON

Department of Epidemiology & Policy Analysis
ROBERT M. FRIEDMAN

School of Extended Studies and Learning Technologies

Dean
JAMES B. HECK

Assistant Dean
KENNETH D. STANTON

Assistant to the Dean
LARRY ROMIG

Directors:

Division of Association Management and Continuing Education
LARRY ROMIG

Division of Lifelong Learning & Conferences and Institutes
LEE LEAVENGOOD

Bachelor of Independent Studies, External Degree Program
KEVIN KEARNEY

Information Services
NAN KUTCHER

Division of Special Programs
RICHARD TAYLOR

College of Arts and Letters
CAROL VROMAN

International Language Institute

College of Business Administration
HAROLD M. SCHRODER

Center for Organizational Effectiveness
MARYANNE M. ROUSE

Development
JOHN S. HODGSON

Executive MBA
KENNETH D. STANTON

Division of Learning Technologies
JAMES B. HECK

Division of Public Broadcasting

Graduate School

Dean
JAMES M. ANKER

Associate Dean
RICHARD L. MANSELL

Academic Administrator
CHRISTINA WHIDDEN

Chair, USF Press Editorial Board
SILVIA RUFFO-FIORE

Manuscript Consultant
PAZ DOROTHEO

Undergraduate Studies

Dean
WILLIAM H. SCHEUERLE

Associate Dean
THELMA D. BENTON

Assistant Dean for Special Programs
STUART SILVERMAN

Director, Community College Relations
FRANK H. SPAIN

Director, Career Resource Center
GLENDA F. LENTZ

Director, Evaluation and Testing
HARRIET SELIGSOHN

Director, Off-Campus Term
KEITH LUPTON

Director, Orientation
TBA

Coordinator, Academic Advising
SYLVIA SALTER

Coordinator, AthleteEs Advising
KEVIN MARONIC

Coordinator, Disabled Student Academic Services
ROBERTA ARMSTRONG

Coordinator, Project Thrust
MACK DAVIS

Coordinator, Personal Excellence Program
TBA

Coordinator, Student Support Services
JOAN HOLMES

Air Force ROTC
Col. DONALD LIESCH

Army ROTC
LT COL HOWARD ABNEY

USF at Fort Myers

Campus Dean and Executive Officer
BARTHERA R. SHERMAN

Assistant Dean for Academic Affairs
TBA

Director, Administration and Finance
GLENN E. NITSCHKE

Director, Student Affairs
MADELYN L. ISAACS

Director, ECC/USF Learning Resources
CHARLES RITCHIE

Director, University Relations and Development
JAMES E. HOF
USF at Sarasota

Campus Dean (Interim)  DAVID P. SCHENCK
Associate Dean  PAUL E. McCLENDON
Business Manager  BERNADINE LUNDSTROM
Campus Librarian  ALTHEA H. JENKINS
Director, Development  GERALD H. HILL
Director, Bi-County Center for Engineering  HORACE C. GORDON, JR.
Director, Media Center  RONALD LERNER
Director, Physical Plant  THOMAS J. PENN
Director, Police Services for Regional Campuses  WALTER HOOKER
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Director, Records and Registration  NANCY E. FERRARO
Director, Student Affairs  OARE DOZIER-HENRY

New College of USF

Provost (Interim)  MARGARET L. BATES
Director, Special Project Development  JAMES W. FEENEY
Director, New College Admissions (Acting)  EDWARD CURTARD

Chairpersons:

Humanities  JOHN D. MOORE
Natural Sciences  JANE STEPHENS
Social Sciences  ANTHONY ANDREWS

USF at St. Petersburg

Campus Dean  TBA
Associate Dean, Academic Affairs  TBA
Director, Administration & Finance  HERMAN J. BRAMES
Director, Academic Advising  WILLIAM GARRETT
Director, Development  RALPH McKAY
Director, Poynter Library  SAMUEL FUSTUKJIAN
Director, Student Affairs  STEPHEN RITCH

USF at Lakeland

Center Director and Executive Officer  YVONE L. RALSTON
Associate Director for Student Services  PATRICIA MARTIN

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Director, Government Relations  STEVEN J. ALEXANDER
Director, Government Relations for Health Affairs  JEFFREY MUJIR

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Vice President  RICKARD C. FENDER
Associate Vice President  PAULA N. KNAUS
Associate Vice President  CLAIRE S. ROBINSON
Assistant to the Vice President  FREDERICK W. VINCENT
Assistant to the Vice President (Acting)  LINDA G. LYDIC
Director, Environmental Health and Safety  SEDON L. CARSEY
Director, Equal Opportunity Affairs  WILMA L. SMITH
Director, Facilities Planning  ROBERT F. RINGEL
Director, Finance & Accounting  ERIC L. WALDEN

USF at USF

Director, Human Resource Development  SANDRA M. COOPER
Director, Resource and Planning  SUSAN A. MITCHEL
Director, Labor Management Relations  ROLAND E. CARRINGTON
Director, Physical Plant  ADRIAN CUARTA
Director, Purchasing  A. KEITH SIMMONS
Director, Public Safety  PAUL A. URAVICH
Director, University Budgets  JAY KARP
Director, University Computing Services  CHARLES E. FISHER
Director, University Personnel Relations  TRUDIE E. FRECKER
Director, Telecommunications (Acting)  EMMETT A. CLARY, JR.

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Vice President  TBA
Associate Vice President  LELAND PATOUILET
Director, Alumni Affairs  JOHN G. SCOTT
Business Manager, USF Foundation, Inc.  JOHN G. SCOTT

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General Counsel  BRYAN S. BURGESS
Senior Counsel  CARLA JIMENEZ
Associate General Counsel  DEBRA A. KING
Associate General Counsel  JOLINE MICELI-MULLEN
Assistant General Counsel  JUSTIN R. LUMLEY
Assistant General Counsel  WENDY J. THOMPSON

OFFICE OF RESEARCH

Vice President  GEORGE R. NEWKOME
Director, Sponsored Research  FRANK LUCARELLI
Executive Director, Technology Transfer  RALPH D. GUNTER
GraphicStudio  ALAN EAKER

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Associate Vice President  CHARLES F. HEWITT
and Dean of Students  RAYMOND C. KING
Associate Vice President, Housing and Auxiliary Services  TROY COLLIER
Associate Dean of Students  WANDA LEWIS-CAMPBELL
Assistant Dean of Students  VANESSA DIAZ-BETTON
Assistant Director of Student Services  PAUL GRIFFIN
Director, Counseling Center for Human Development, Veterans Affairs  WILLIAM ANTON
Director, Student Health Services  MARIA ANDERSON
Director, Campus Recreation  ANDREW HONKER
Director, Financial Aides  GWYN FRANCIS
Director, Student Publications  RICHARD WILBER
Director, University Center  PHYLLIS MARSHALL
Coordinator, Veteran Affairs  MEREDITH NICKLES
Director, USF Golf Course  ROBERT SHIVER

UNIVERSITY RELATIONS

Vice President  TBA
Director, Public Affairs  ROBERT L. ALLEN
Director, Community Relations  ANN ROSS
All members of the University of South Florida faculty and administrative staff, including teaching, research, administrative and professional personnel are listed below in alphabetical order. The listing includes name, current rank and field, first year of continuous appointment to any position in the institution, degrees, and institution and year of terminal degree, as of August 8, 1989. (A semicolon between degrees indicates different institutions.) [*Charter faculty or administrative staff]

AANGEENBURG, ROBERT, Chairperson-Professor (Geography), 1989
B.S.; M.S., Ph.D., University of Wisconsin, 1965
ALEXANDER, MARY B., Assistant Professor (Information Science), 1985
ALEXANDER, NANCY A., Assistant Professor (Childhood Education), 1985
AMEN, W. LEE, JR., Professor (Public Medicine-Nursing), 1989
ANDERSON, CARMEN S., Assistant In Research (Crime & Delinquency, FMHI), 1986
ANDERSON, DONNA J., Assistant Professor (Counselor Education), 1987
ANDERSON, DOUGLAS G., Student Affairs Coordinator (Financial Aids, Student Affairs), 1980
ANDERSON, E. CHRISTIAN, Professor (Psychological and Social Foundations Education), 1964
ANDERSON, JAMES B., Coordinator, Insurance & Risk (Health Sciences), 1986
ANDERSON, MARIA J., Director (Student Health Services, Student Affairs), 1978
ANDERSON, ROBERT L., Associate Dean-Professor (Business Administration), 1971
ANDREWS, ANTHONY P., Chairperson-Professor (Social Sciences), 1985
ANDREWS, B., M.A., Ph.D., Carnegie-Mellon University, 1987, P.E.
ANGROSINO, MICHAEL, Visiting Assistant Professor (Obstetrics and Gynecology), 1989
ANKER, MARTHA F., Coordinator, Public Service Delivery Program (FMHI), Visiting Assistant Professor (FMHI), 1987
ANKER, JAMES M., Dean - Professor (Graduate School), Professor (Psychology), 1974
ANKER, JOHN P., Professor (Philosophy-Classic), 1982
ANTON, DAVID X., M.A., Ph.D., Columbia University, 1954
ANTON, WILLIAM D., Director (Counseling Center for Human Development, Student Affairs), 1972
APATA, SATORU, Associate in Research (Medical Microbiology), 1989
APENDASH, GARY W., Associate Professor (Biology), 1981
ARMSTRONG, ADAM W., Assistant Professor (Public Health), 1988
ARMSTRONG, KATHLEEN H., Associate Professor (Information Systems Decision Sciences), 1987
ARNAUD, CHARLES W., Professor - Coordinator (Lakeland Center), 1961
ARDY, DEBORAH, Counselor/Advisor (Academic Advising), 1989
ARSENault, M., Coordinator - Counselor/Advisor (Academic Services), 1987
ARTHUR, RICHARD, M.B.A., Ph.D., Brandeis University, 1980
ARTIS, JOHN R., B.S., M.D., University of South Florida, 1980
ASSOCIATE, MELVIN M., Visiting Instructor (Public Sector Medicine-Nursing), 1985
ATKINS, WILLIAM M., Assistant Professor (Psychology), 1985
AVILA, MELVIN M., Assistant Professor (Information Systems Decision Sciences), 1979
AXELROD, ROBERT L., Assistant Professor (Public Health), 1988
B.A.; Ph.D., Harvard University, 1988
B.S.; M.S., Purdue University, 1976
B.A.; M.A.; Ph.D., University of Geneva, 1976

B.A.; M.S., Ph.D., University of South Florida, 1980
B.A.; M.S., Ph.D., University of South Florida, 1980
B.A.; M.A., Duquesne University, 1982
B.A.; M.A., Ph.D., University of South Florida, 1980
B.A., M.A., Ed.S., Ph.D., University of South Florida, 1984
B.A., University of South Florida, 1983
B.S., M.A., Ph.D., University of Michigan, 1984
ATHAN, STEPHAN, Associate In (Engineering), 1989
B.S.E.E., University of South Florida, 1980
AUBEL, JOSEPH L., Associate Professor (Physics), 1964
B.S., Ph.D., Michigan State University, 1964
AUCREMAN, CHARLES E., Professor-Chairperson (Family Medicine), 1975
A.B., M.S., M.D., Emory University School of Medicine, 1943
AUGEREAU, J. PAUL, Assistant Professor (Anesthesiology), 1987
M.D., University of Paris, South, 1972
AULVES, BARBARA A., Area Administrator (University Housing, Student Affairs), 1989
B.A., M.S.Ed., University of Wisconsin, 1983
AUSBON, WILLIAM W., Professor-Acting Director (Pediatrics), 1982
B.A., M.D., Medical College of Alabama, 1956
AZAR, HENRY A., Professor (Pathology), 1972
B.A., M.D., American University of Beirut, Lebanon, 1952
BABIONE, LOIS, Assistant In Research (Pediatrics), 1980
B.S., M.S., Florida State University, 1975
BABU, ADDAGATLA J.G., Assistant Professor (Industrial & Management Systems Engineering), 1985
B.S., M.S.; M.A.S.O.R.; Ph.D., Southern Methodist University, 1979
BACKHAUS, SUSAN J., Acting Academic Administrator (Education), 1987
B.A., M.B.A., Florida Institute of Technology, 1985
BAKEY, PAUL, Assistant Professor (Pathology and Laboratory Medicine), 1988
B.S., M.S., M.D., University of Florida, 1983
BAER, ROBERTA D., Assistant Professor (Anthropology), 1984
B.A.; M.A.; Ph.D., University of Arizona, 1984
BAGLEY, DANIEL S. III, Associate Professor (Mass Communications), 1979
B.S.; M.B.A.; Ph.D., University of Tennessee, 1977
BAILE, WALTER F., Associate Professor (Cancer Education), 1986
B.A.; M.D., University of Pavia, Italy, 1972
BAKER, CARLETON H., Professor-Chairperson (Physiology), 1971
B.A.; M.A., Ph.D., Princeton University, 1965
BAKER, CAROL L., Visiting Instructor (Psychiatry and Behavioral Medicine), 1984
B.A.; M.S.W., Florida State University, 1973
BAKER, GREGORY R., Visiting Research Associate (VP for Research), 1989
B.S.; Ph.D., Louisiana State University, 1989
BALDWIN, SORELLE K., Specialist Radio/TV (Boradcast Services), 1989
B.S., University of Florida, 1983
BALFOUR, ALAN, Associate Professor (Management), 1990 St. Petersburg Campus
B.A.; M.L.R.C.; J.D.; Ph.D., Michigan State University, 1975
BALIS, JOHN U., Professor (Pathology), 1978
M.D., National University of Athens, Medical School, Greece, 1957
BALL, WILLIAM L., Assistant in Research (Engineering), 1988
B.S.; M.A., University of South Florida, 1988
BALLESTER, CHRISTINA B., Visiting Assistant Professor (Psychiatry), 1988
M.D., University of Buenos Aires, 1973
BALLESTER, OSCAR F., Assistant Professor (Internal Medicine), 1989
M.D., University of Cordoba, Argentina, 1971
BALCERKA, ALICJA F., Associate in (Engineering), 1986
B.S. Che.; M.S. Che., University of South Florida, 1986
BANES, RUTH A., Associate Professor (American Studies), 1979
B.A., Ph.D., University of New Mexico, 1978
BANNISTER, JENNIFER K., Visiting Assistant In (Education), 1986
B.A., M.A., University of South Florida, 1978
BANOUS, SAMIR N., Professor (Public Health), 1983
M.D., M.D., D.P.H., Dr.P.H., Alexandria University, Egypt, 1979
BARBER, MICHAEL J., Associate Professor (Biochemistry), 1983
B.Sc., M.Sc.; Ph.D., University of Sussex, 1975
BARCLAY, LAURIE L., Assistant Professor (Neurology), 1988
B.A.; Cornell University, 1978
BARK,個GERALD R., Associate Professor (Childhood Education), 1968
B.S., M.Ed.; Ed.D., University of Florida, 1976
BARNARD, JAMES W., Professor-Chairperson (Psychological and Social Foundations Education), 1968
A.B.; M.A.; M.S., Ph.D., Yale University, 1983
BARNES, LEWIS A., Professor (Pediatrics), 1972
A.B., M.D., Harvard Medical School, 1944 M.A. Hon.
BARNETT, RISA B., Visiting Instructor (Communication Sciences), 1989
B.A., M.A., University of Florida, 1986
BAROBS, BRIGITA M., Visiting Assistant In (Exceptional Child Education), 1986
B.A., University of Minnesota, 1984
BARRETT, ANDREW J., Assistant Dean-Instructor (Engineering), 1982
B.A.; M.A.; Ed.D., University of Florida, 1976
BARTELS, LOREN J., Associate Professor (Surgery), 1980
B.A., M.D., University of South Florida, 1974
BARTLETT, ALTON C., Professor - Chairperson (Management), 1967
B.S.; Ph.D., University of Wisconsin, 1964
BARYLSKI, ROBERT V., Academic Administrator (Sarasota Campus), 1979
B.A., M.A., Ph.D., Harvard, 1972
BASSETT, KENNETH E., Assistant In Research (Biology), 1988
B.S., M.S., Kansas State University, 1985
BATEMAN, LESLEY S., Assistant to the College Dean (Public Health), 1986
B.S., University of Florida, 1983
BATES, MARGARET L., Acting Provost/Professor (Social Sciences), New College of USF, 1975 Sarasota Campus
BATSCHER, GEORGE M., Jr., Associate Professor (Psychological and Social Foundations), 1989
B.A.; M.A., Ed.D., Ball State University, 1978
BATTANE, GARY R., Visiting Instructor (Crime & Deliquency, FMHI), 1996
B.A.; M.A., University of Detroit, 1977
BAUDOIN, LARRY A., Assistant Vice President (Medical Center), 1972
B.S., M.A., Nova University, 1987
BAUER-SARDINA, IRMA K., Assistant in Research (Pediatrics), 1988
B.A., Rutgers University, 1987
BAUM, ROSALIE M., Assistant Professor (English), 1967
A.B.; M.A., University of Detroit, 1976
BAUMGARTEN, STEVEN A., Associate Professor (Marketing), 1976
B.A., M.S., Ph.D., Purdue University, 1977
BAYONA-CELIUS, MANUEL, Visiting Assistant Professor (Public Health), 1987
B.S., M.D., M.Sc.; Ph.D., Johns Hopkins University, 1985
BEACH, DOROTHY R., Counselor/Advisor (Counseling Center for Human Development, Student Affairs), 1972
B.A.; M.A.; Ed.D., Nova University, 1975
BEALL, KATHLEEN, Coordinator, Student Affairs (University Housing, Student Affairs), 1973
B.A., M.S., University of South Florida, 1979
BEAMS, MARY, Visiting Assistant Professor (Fine Arts), 1989
B.A.; M.S., Boston University, 1971
BEASLEY, BOB L., Associate Professor (Physical Education, Education), 1970
B.S.; M.Ed.; Ph.D., Florida State University, 1968
BEAVERS, TERRY L., Associate Director (University Computer Services), 1967
B.A.; M.S., Ph.D., University of Southern Mississippi, 1987
BECK, ROY W., Professor (Ophthalmology), 1986
A.B., M.D., University of Pennsylvania School of Medicine, 1977
BECKEKSTEIN, CHARLES R., Assistant Professor (Anesthesiology), 1986
B.S.; M.D., Downstate Medical Center, State University of New York, 1984
BECKER, JUDITH A., Associate Professor (Psychology), 1981
B.A.; Ph.D., University of Minnesota, 1981
BECWIGHT, HELEN M., Visiting Assistant Professor (Fine Arts), 1989
B.S.; M.F.A., Northwestern University, 1989
BEDINGFIELD, SHERRY A., Head Athletic Coach (Women Athletes), 1979
B.A., M.A., University of South Florida, 1976
BEENHAKKER, ARIE, Professor (Finance), 1973
Ph.D.; Ph.D., Purdue University, 1964
BEHNKE, ROY H., Professor - Chairperson (Internal Medicine), 1972
A.B.; M.D., Indiana University School of Medicine, 1946
BELCHER, HAROLYN M., Assistant Professor (Pediatrics), 1989
B.S., M.D., Howard University, 1982
BELL, JAMES A., Associate Professor - Chairperson (Philosophy), 1974
A.B.; M.A., Ph.D., Boston University, 1969
BELL, SUSAN S., Associate Professor (Biology), 1979
B.A.; M.S.; Ph.D., University of South Carolina, 1979

BELLANTE, DONALD M., Professor (Economics), 1985
B.S.; M.B.A.; Ph.D., Florida State University, 1971

BELLO-HLAVEK, JOHN M., Professor (History), 1970
B.A.; M.A., Ph.D., University of Nebraska, 1970

BELT, JACK W., Associate Professor (Theatre Arts), 1966
B.A.; M.F.A.; J.D., University of Florida, 1967

BENADUSI, GIOVANNA, Assistant Professor (History), 1988
Ph.D., Syracuse University, 1988

BENFIELD, stephen a., Assistant In (Pediatrics), 1981
B.S., Purdue University, 1972

BENJAMIN, WILLIAM F., Professor (Educational Leadership Edu­ cation), 1968
B.A., M.A., Ph.D., George Peabody College, 1961

BENNETT, BRADLEY, W., Associate University Comptroller (Finance and Accounting), 1989
B.S., Florida Southern College, 1979

BENTON, KAARON, Assistant Professor (Pathology), 1989
B.S.; M.D., Medical College of Pennsylvania, 1983

BENTLEY, MARY ANN M., Lecturer (Theatre), 1975
B.A., University of South Florida, 1982

BENTON, J. EDWIN, Associate Professor (Political Science), 1979
B.A.; M.A., Florida State University, 1978

BENTON, THELMA D., Academic Administrator (Undergraduate Stud­ ies, Academic Affairs), 1969
B.S.; M.S.; Ph.D., Florida State University, 1981

BERCU, BARRY B., Professor (Pediatrics), 1964
B.S., M.D., University of Maryland, 1969

BERGER, LAWRENCE D., Professor (Fine Arts), 1981
Professional Graduate Diploma, The Juilliard School, 1983

BERGER, NEAL H., Assistant Professor (Education), 1985
B.A.; M.S.; Ph.D., Florida State University, 1984

BERGREN, DOUGLAS C., Professor (Humanities), New College of USF, 1975 Sarasota Campus
B.A.; M.A.; M.D., Yale University, 1959

BERMAN, CLAUDIA G., Assistant Professor (Radiology), 1989
B.A., Ed., Eastern Washington University, 1975

BERMAN, LEONARD J., Coordinator, Student Affairs (Career Resource Center, Undergraduate Studies), 1977
B.S.; M.S., New York University, 1953

BERNARD, THOMAS E., Associate Professor (Public Health), 1969
B.S., M.S., University of Pittsburgh, 1975

BERNETT, ADELE S., Associate University Comptroller (Finance and Accounting), 1968
B.A., University of South Florida, 1966

BESLEY, SCOTT, Assistant Professor (Finance), 1982
B.S., M.B.A., Florida State University, 1974

BESCZZI, MICHAEL J., Assistant Professor (Radiology), 1988
B.S.; M.D., Jefferson Medical College, 1975

BEST, KEVIN R., Assistant Director (Housing and Auxiliary Services, Student Affairs), 1981
B.A., University of South Florida, 1973

BESTERFIELD, GLEN H., Assistant Professor (Engineering), 1968
B.S.; M.S.; Ph.D., Northwestern University, 1968

BETANCOURT, SONIA B., Assistant In Research (Engineering), 1988
B.S., University of South Florida, 1986

BETTEN, VANESSA, Assistant Dean (Student Affairs), 1985
B.S.; M.Ed., Ed.S., University of Florida, 1984

BETZ, JOHN V., Associate Professor (Biology), 1963
B.S.C.; Ph.D., St. Bonaventure University, 1963

BETZER, PETER, Professor - Chairperson (Marine Science), 1971 St. Petersburg Campus
B.A.; Ph.D., University of Rhode Island, 1971

BEULIG, ALFRED, JR., Associate Professor (Natural Sciences), New College of USF, 1975 Sarasota Campus
B.S., M.S.; Ph.D., City University of New York, 1974

BEZON, JOAN F., Instructor (Nursing), 1989
B.S.N.; M.S.N., University of Rochester, 1981

BHETHANABOTLA, VENKAT R., Assistant Professor (Chemical Engi­ neering), 1987
B. Tech.; M.S., Ph.D., Pennsylvania State University, 1987

BIERSDORF, WILLIAM R., Professor (Ophthalmology), 1978
B.S., M.S.; Ph.D., University of Wisconsin, 1954

BILAL, DANIA M., Visiting Associate University Librarian (University Libraries), 1988
B.S.; M.L.S.; Ph.D., Florida State University, 1988

BINFORD, JESSE S., JR., Professor (Chemistry), 1961
B.A., M.A.; Ph.D., University of Utah, 1955

BIRKIN, STANLEY J., Professor (Information Systems - Decision Sci­ ences), 1969

BISHOP, INA M., Assistant Dean-Professor (Nursing), 1989
B.S.N., M.S.N., Ph.D., Indiana University, 1983

BLACK, DEBRA E., Assistant In Research (Human Resources Institute), 1987
B.A., M.P.A., University of South Florida, 1985

BLACKMAN, JOSEPH K., Visiting Coordinator-Professor (Education), 1988
B.A.; M.A.; Ed.D., University of Massachusetts, 1975

BLACKSHEAR, WILLIAM M., JR., Associate Professor (Surgery), 1979
B.S.; M.D., Tulane Medical School, 1970

BLAIR, R. CLIFFORD, Visiting Associate Professor (Pediatrics), 1975
B.A., M.A., Ph.D., University of South Florida, 1980

BLAKE, NORMAN J., Professor (Marine Science), 1972 St. Petersburg Campus
B.S.; M.S., Ph.D., University of Rhode Island, 1972

BLANCHARD, DARLENE K., Visiting Assistant Professor (Medical Mi­ crobiology), 1987
B.A.; M.S., Ph.D., University of South Florida, 1987

BLANK, WILLIAM E., Associate Professor (Adult and Vocational Edu­ cation), 1976
B.S.; M.S.; Ph.D., Florida State University, 1976

BLANTON, JAMES E., Assistant Professor (Information Systems and Decision Sciences), 1965
B.A.; M.B.A., Ph.D., University of Georgia, 1987

BLAZJEWOSKI, CHRISTOPHER, Visiting Assistant Professor (Internal Medicine), 1989
B.S., M.A.; M.D., University of South Florida, 1986

BLENKHORN, GEORGE H., Associate Director (Physical Planning), 1977
B.C.N., University of Florida, 1954, P.E.

BLOCH, SYLVAN C., Professor (Physica), 1963
B.S., M.S., Ph.D., Florida State University, 1962

BLOCK-HILL, LYNDA B., Academic Administrator (Academic Affairs), 1977
B.S., B.A., The American University, 1977

BLONDE, BARRY J., Assistant Director, Regional Data Center (Univer­ sity Computing Services), 1984
B.A.; M.A., M.A., Southern Illinois University, 1974

BLOUNT, WILLIAM R., Professor-Chairperson (Criminology), 1968
B.A.; M.A.; Ph.D., George Peabody College, 1969

BOAZ, TIMOTHY L., Assistant Professor (FMHI), 1989
B.A.; M.S., M.A., Ph.D., University of Kansas, 1968

BOCHNER, ARTHUR P., Professor-Chairperson (Communication), 1964
B.S.; M.A.; Ph.D., Bowling Green State University, 1971

BOGGS, ROY A., Associate Professor (Information Systems and Deci­ sion Sciences), 1985 Ft. Myers Campus
B.A.; M.A., M.S.I.S., University of Pittsburgh, 1977

BOGUNIEWICZ, ANNA B., Assistant Professor (Pathology), 1989
M.D., Medical Academy of Warsaw, Poland, 1984

BOLTON, STEVEN E., Professor (Finance), 1978
B.S.; M.B.A., Ph.D., New York University, 1969

BONDI, JOSEPH C., JR., Professor (Educational Leadership Edu­ cation), 1965

BONESTEEL, DIANA S., Resident Advisor to Students (University Housing, Student Affairs), 1988
B.A., New York University, 1988

BOOKER, JAMES O., Instructor (Surgery), 1989
B.S.; M.D., University of South Florida, 1984

BORG, JEAN M., Visiting Instructor (Education), 1982
B.S., M.A., Ph. Degree, University of Illinois, 1987

BORKOWSKI, FRANCIS T., University President, 1988
B.S.; M.M.; Ph.D., West Virginia University, 1967

BOSEK, VOJTECH, Assistant Professor (Anesthesiology), 1987
M.D., University of Prague, 1966
FACULTY AND ADMINISTRATIVE PERSONNEL

BOSTOW, DARREL E., Professor (Psychological and Social Foundations Education), 1970
B.A., M.A., Ph.D., Southern Illinois University, 1970

*BOTT, WILLIAM K., Professor (Counselor Education), 1960

BOUDREAU, CHARLES A., Associate Director (Financial Aids, Student Affairs), 1966
B.S., M.A., University of Illinois, 1972

BOUIS, PIERRE J., JR., Associate Dean-Associate Professor (Continuing Education, College of Medicine) Professor (Obstetrics/Gynecology), 1984
B.S.; M.S., M.D., Louisiana State University School of Medicine, 1971

BOWERS, JAMES C., Professor (Electrical Engineering), 1965
B.E.; M.S.; Sc.D., Washington University, 1964

BOWERS, LOUIS E., Professor (Physical Education, Education), 1967
B.S.; M.A.; Ph.D., Louisiana State University, 1964

BOWERS, RICHARD T., Director (Business Administration), 1963
B.S., M.S., Ed.D., George Peabody College, 1961

BOWIE, JULIUS R., Assistant Professor (Anesthesiology), 1989
B.S.; M.d., Medical College of Georgia, 1963

BOWMAN, ROBERT, Assistant Athletic Coach (Athletics), 1989

BOWMAN, R. LEWIS, Professor (Political Science), 1973
B.A., Ph.D., University of North Carolina, 1964

BOYER, KEVIN W., Associate Professor (Computer Science Engineering), 1984
B.S.; Ph.D., Duke University, 1960

BOYCE, HENRY W., JR., Professor (Internal Medicine), 1975
B.S.; M.S.; M.D., Bowman Gray School of Medicine, 1955

BOYD, LEA C., Visiting Instructor (Psychiatry), 1986 (Part Time)
B.S., University of South Carolina, 1966

BOYD, L. ADLAI, Academic Administrator (Child and Family Studies, FMHI), 1981
B.A.; M.Div.; M.Ed.; Ph.D., Temple University, 1978

BOYD, SARAH E., Associate Professor (Nursing), 1977
B.N.; B.S.; M.S.; M.P.S., Long Island University, 1977

BRADFORD, CHARLES R., Computer Software Specialist (University Computing Services), 1984
B.S., University of West Florida, 1977

BRADHAM, DOUGLAS D., Assistant Professor (Public Health), 1965
A.B., M.P.H., M.A., D.P.H., University of North Carolina, Chapel Hill, 1981

BRADE, PATRICK G., Professor (Internal Medicine), 1976
A.B.; M.D., New Jersey College of Medicine, 1968

BRAMON, ROBERT T., Associate Professor (Radiology), 1985
A.B.; M.D., Washington University School of Medicine, 1967

BRAND, FERTIE A., Business Manager (Public Health), 1972
B.B.A., Tampa Business College, 1982

BRANDEBURG, NANCY A., Assistant Professor (Epidemiology, FMHI), 1986 (Part Time)
B.A., M.P.H., Ph.D., University of Texas, 1984

BRANDMEYER, GERARD A., Associate Professor (Sociology), 1969
B.S., M.A., Ph.D., University of California, Los Angeles, 1962

BRANDMEYER, SUNNE, Lecturer (Economics), 1985
B.A., M.A., University of South Florida, 1978

BRANDOLIN, ADRIANA, Visiting Research Associate (Engineering), 1989
Ph.D., Universidad na Ciudad Deliur, Argentina, 1987

BRANNICK, MICHAEL T., Assistant Professor (Psychology), 1986
B.A., M.A., Ph.D., Bowling Green State University, 1986

BRAY, LLOYD J., JR., Coordinator (Fine Arts Events), 1973
B.A.; M.A., University of North Carolina, 1965

BREIT, ETIHA B., Assistant Professor (Interdisciplinary Social Science), 1974
B.S.; M.A., Ph.D., University of Pennsylvania, 1984

BREIT, FRANK D., Associate Professor (Computers in Education), 1968
B.A., M.Ed., Ph.D., University of Texas, 1968

BREWER, PRISCILLA J., Assistant Professor (American Studies), 1987
B.A., M.A., Ph.D., Bowdoin University, 1967

BRIDGES, VIRGINIA A., Associate Dean-Professor (Music Education), 1964
B.M.Ed., M.A., Ph.D., Ohio State University, 1985

BRIDGES, WINSTON T., JR., Associate Professor-Coordinator (Psychological and Social Foundations Education), 1970 St. Petersburg Campus
B.A., M.Ed., Ph.D., University of Florida, 1975

BRISCOE, DIANE B., Assistant Professor (Adult Vocational Education), 1985
B.M.Ed.; M.M.Ed., Ed.S., Ph.D., Florida State University, 1982

BRISCOE, RICHARD V., Assistant Professor (Administration, FMHI), 1984
B.S.; M.S., Ph.D., Florida State University, 1983

BROER, LAWRENCE R., Professor (English), 1965
B.S., M.A., Ph.D., Bowling Green State University, 1968

BROMLEY, MAX L., Associate Director (University Safety and Security), 1981
B.S., M.S., Florida State University, 1973

BROOKER, H. RALPH, Associate Professor (Physics), 1964
B.S., M.S., Ph.D., University of Florida, 1986

BROOKS, STUART M., Professor-Chairperson (Public Health), 1986
B.S., M.D., University of Cincinnati, 1982

BROCHER, GARY L., Director (Civil Engineering and Mechanics), 1988
B.S.; M.S., Florida State University, 1973

BROWN, H. KEITH, Associate Professor (Anatomy), 1974
B.S.; M.S.; Ph.D., Tulane University, 1974

BROWN, JANE H., Assistant In Research (Pediatrics), 1986
B.S.N., University of South Florida, 1979

BROWN, JOHN LOTT, Regents Professor (Engineering (Physiology and Biophysics), 1977
B.S.E.E.; M.A.; Ph.D., Columbia University, 1982 (President Emeritus, 1989)

BROWN, KAREN F., Associate Professor (Mass Communications), 1985
B.A.; M.S.; Ph.D., University of Tennessee, 1982

BROWN, ROBERT B., Lecturer (Finance), 1981 St. Petersburg Campus
A.B.; M.B.A.; D.B.A., Indiana University, 1953

BROWNLEE, HARRISON J., Associate Professor - Program Director (Family Medicine), 1983
B.A., M.D., SUNY Upstate Medical Center, 1978

BROZENA, STEPHEN J., Associate Professor (Internal Medicine) 1988
B.A., M.D., Temple University, 1984

BRUCE, RITA G., Associate Dean-Associate Professor (Public Health), 1970
B.S., M.S., Ed.D., West Virginia University, 1965

BRUGGER, WALTER I., Visiting Counselor/Advisor (Engineering), 1987
B.S.; B.E., University of South Florida, 1989

BRULOTTE, GAETAN, Professor (Languages), 1967
B.A., M.A., Ph.D., Université de Paris VII, 1978

*BRUNHILD, GORDON, Professor (Economics), 1960
B.S., M.B.A., Ph.D., University of Southern California, 1957

BRYAN, JOANNE C., Assistant In Research (Engineering Research), 1974
B.A., M.A., University of Georgia, 1968

BRYANT, ALMA G., Associate Professor-Associate Chairperson (English), 1972
B.S., M.A.; Ed.S., Ed.D., University of Florida, 1976

BRYANT, CAROL A., Assistant Professor (Public Health), 1989
B.A., M.A., M.S., Ph.D., University of Kentucky, 1984

BRYANT, MARGARET W., Assistant In Research (Anatomy), 1980
B.S.; M.S., University of Georgia, 1973

BRYANT, MARILYN J., Coordinator, Student Affairs (Career Resource Center), 1989
A.A., B.A.; M.A.; Ed.S., Central Missouri University, 1977

BUCHANAN, JANICE C., Assistant Professor (Music) , 1984 St. Petersburg Campus
B.A., M.B.A., University of South Florida, 1973

BUCKLE, KENNETH A., Associate Professor (Electrical Engineering), 1984
B.E.E.; M.S.; Ph.D., University of Wisconsin, 1984

BUENO, EDGAR M., Assistant Professor (Psychiatry), 1973
M.D., University of San Marcos, Lima, Peru, 1965

BUFFINGTON, RICHARD G., Director, Information and Management Services (Engineering), 1984
B.A., M.B.A., University of South Florida, 1978
CALLAHAN, CARLA, Acting Coordinator (Advancement/Alumni Affairs), 1996
B.A., Lake Erie College, 1977
CALLAN, SABRA M., Instructor (Accounting), 1979, St. Petersburg Campus
B.A., M.Acc., University of South Florida, 1979, C.P.A., C.M.A.
CLUARI, C. RAYMOND, Visiting Coordinator (Business Administration), 1998
CAMERON, DON F., Associate Professor (Anatomy), 1986
B.A.; M.S., Ph.D., Medical University of South Carolina, 1977
CAMERON, PATRICIA L., Coordinator, Continuing Education (FMHI), 1981
B.A., University of South Florida, 1975
CAMERON, WM. BRUCE, Professor (Sociology), 1964
B.A., M.A., Ph.D., University of Wisconsin, 1952
CAMP, JOHN B., Associate Professor-Program Director (Languages), 1964
B.M., M.M., Ph.D., Florida State University, 1964
CAMP, PAUL E., JR., Acting Department Head-University Librarian (University Libraries), 1972
B.A.; M.S.L.S., Florida State University, 1972
CAMPBELL, DORIS W., Assistant Professor (Nursing), 1981
B.S.N.; M.A.; Ph.D., University of Texas at Austin, 1987
CAMPBELL, JOHN T., Coordinator, Student Affairs (Intercollegiate Athletics), 1989
B.S.; M.E.; M.S., St. Thomas University, 1988
CAMPBELL, JOHN SCOTT, Assistant Professor (Arts and Letters), 1989
A.B.; M.A., Brown University, 1979
CAMPBELL, SCOTT W., Assistant Professor (Chemical Engineering), 1986
B.E.; M.S., Ph.D., Northwestern University, 1988
CAPAS, CLEON F., Visiting Instructor (Engineering), 1986
B.A.; M.S., Ph.D., Stanford University, 1985
BURBANO, CHERYL M., Coordinator, Public Service Delivery Programs (Life Long Learning), 1983
B.A.; M.A., Ph.D., University of Florida, 1987
BURDICK, GLENN A., Professor-Director (Engineering), 1965 (Dean Emeritus)
B.S., M.S., Ph.D., Massachusetts Institute of Technology, 1968
BURGESS, BRYAN S., General Counsel (Office of the General Counsel), 1979
B.A.; J.D., University of Florida, 1978
BURKHALTER, S. BRIAN, Assistant Professor (Anthropology), 1984
B.A., M.A., Ph.D., Columbia University, 1982
BURLAND, W. WADE, Professor (Psychological and Social Foundations Education), 1966
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BURLINGTON, ROBERT A., Professor (Engineering), 1988
B.S.; M.S., Ph.D., Stanford University, 1985
BURNS, CANDACE M., Associate Professor (Nursing), 1977
B.S.N.; M.S., Ph.D., University of Michigan, 1980
BURNS, GREGORY D., Assistant in Research (Suncoast Gerontology Center), 1989
B.A., University of South Florida, 1988
BURR, DIANE W., Assistant in (Aging and Mental Health, FMHI), 1986
B.A.; M.A., University of South Florida, 1984
BURTON, CARMEN S., Counselor/Advisor (Dean's Office, Arts & Letters), 1979
B.S.; M.A., Ph.D., University of South Florida, 1984
BUSCH, J. CARLOS, Professor (Chemical Engineering), 1970
B.S., M.S., Ph.D., University of Florida, 1970
BUSMAN, JOHN F., Associate Professor (Accounting), 1977
B.S., M.Accy., D.B.A., Florida State University, 1973, C.P.A.
BUSTA, JOSEPH F., JR., Vice President (Advancement/Alumni Affairs), 1971
B.S.; M.S., Ph.D., University of Florida, 1978
BZCZKOWSKI, JANUSZ Z., Visiting Research Scholar/Scientist (Public Health), 1989
Ms.S., Ph.D., D.Sc., Academy of Medicine, Gdansk, Poland, 1979
BYERS, PATRICIA H., Visiting Associate Professor (Nursing), 1985
B.S., M.S., Ph.D., Case Western Reserve University, 1983
BYRNE, ROBERT H., JR., Professor (Marine Science), 1977 St. Petersburg Campus
B.S.; M.S., M.A., Ph.D., University of Rhode Island, 1974
CAFIRISCH, JACOB C., III, Associate Professor (Languages), 1970
A.B., A.M., Ph.D., Indiana University, 1974
CAHILL, DAVID W., Associate Professor (Surgery), 1983
B.A., M.D., University of Virginia, 1978
CAIN, DELORES J., Visiting Instructor (FMHI), 1998
B.A.; M.S.W., Florida State University, 1985
CAIN, RANDAL S., Director of Development (Engineering), 1989
B.S., B.A.; M.Ed., North Carolina State, 1972
CAIRL, RICHARD E., Assistant Professor (Suncoast Gerontology Center), 1981
B.S.; M.S., Ph.D., Florida State University, 1980
CALANDRA, DENIS, Professor (Theatre), 1978
B.A.; M.A., Ph.D., University of Nebraska, 1970
CALLAHAN, ANITA L., Assistant Professor (Engineering), 1989
B.S.; M.S., Ph.D., Stanford University, 1989
CARR, DAVID R., Associate Professor (History), 1971 St. Petersburg Campus
B.A.; M.A., Ph.D., University of Nebraska, 1971

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M.A., University of South Florida, 1977

CARRASCO, MAGDALENA E., Associate Professor (Humanities), New College of USF, 1977 Sarasota Campus
B.A.; M.A., M.Phil., Yale University, 1975

CARRINGTON, ROLAND E., Assistant Director (Human University Resources/Personnel Relations), 1969
B.A., Talladega College, 1965, C.P.M.

CARRINGTON, WILLIAM A., Visiting Assistant Professor (Natural Sciences), 1989
B.S., M.S., University of Florida, 1987

CARROLL, DELOS L., JR., Associate Professor (Psychological and Social Foundations Education), 1969

CAREY, SELDON L., Environmental Health and Safety), 1984
B.S., M.S.E.H., East Tennessee State University, 1972

CASTLE, RAYMOND N., Graduate Research Professor (Chemistry), 1981
B.A.; M.A., Ph.D., University of Colorado, 1944

CATALDO, JUDITH, Acting Director (Fine Arts), 1988
B.S.M.; M.M., University of South Florida, 1985

CATANZARITE, FRANK J., Associate Director (Physical Plant Administration), 1987
B.S.M.I.E.; M.B.A., Florida Southern College, 1985

CAVANAGH, DENIS, Professor (Obstetrics and Gynecology), 1977
M.B., Ch.B., University of Glasgow, 1952

CAZARES, LISA, Assistant In (Pediatrics), St. Petersburg, 1989
B.S., University of South Florida, 1986

CEBULSKI, JAMES C., Counselor/Advisor (Academic Services, Undergraduate Studies), 1982
B.S.Ed., M.A., Kent State University, 1967

CHAE, SCOO BONG, Professor (Natural Sciences), New College of USF, 1975 Sarasota Campus
B.S.; M.A., Ph.D., University of Rochester, 1970

CHAMBERS, WILLIAM V., Assistant Professor (Psychology) Ft. Myers Campus, 1989
B.A.; M.A., Ph.D., University of Florida, 1984

CHAMUSCO, LARRY A., Visiting Assistant Professor (Chemistry), 1989
B.S.; Ph.D., University of Florida, 1989

CHANDLER, KEITH W., Associate Professor (Internal Medicine) 1981
B.A., M.D., Indiana University, 1975

CHANG, ROBERT S.F., Associate Professor (Physics), 1985
B.Sc., M.Sc., Ph.D., Cornell University, 1976

CHARLES, THOMAS, Research Associate (Busines), 1989
B.A., M.B.A., Indiana University, 1979

CHAVEZ, GEORGE R., Director (Health Center Physical Plant), 1967
B.A., University of Missouri at Kansas City, 1960

CHEN, LI-TSUN, Professor (Anatomy), 1980
B.Sc.; Ph.D., University of Alberta, 1968

CHEN, TSONG-MING, Professor (Electrical Engineering), 1972
B.S.; Ph.D., University of Minnesota, 1964

CHERRY, R. ARIADNE, Associate Professor (Languages), 1961
B.A., M.A., Ph.D., University of Kentucky, 1960

CHESSA, FRANK, Assistant In (FMHI), 1989
B.A., M.A., University of South Florida, 1989

CHEZ, RONALD A., Professor (Obstetrics/Gynecology), 1989
A.B.; M.D., Cornell University Medical College, 1957

CHILDRESS, KAREN I., Visiting Assistant In (Adult and Vocational Education), 1996
B.A., University of South Florida, 1986

CHIQU, YUN LEE, Professor (Electrical Engineering), 1984
B.S.E.E.; M.S.E.E.; M.S.; Ph.D.E.E., Purdue University, 1969

CHRIBIKOS, THOMAS N., JR., Professor (Public Health), 1985
B.A.; M.A., Ph.D., Ohio State University, 1967

CHISNELL, ROBERT E., Associate Professor (English), 1967
B.A., M.A., Ph.D., Auburn University, 1977

CHMEL, HERMAN, Professor (Internal Medicine), 1986
B.S.; M.D., Hahnemann Medical College, 1968

CHOMICK, ANDREW L., Consultant, University Physical Planning (Facilities Planning), 1986
B. Arch., University of Manitoba, 1948

CHRISMAN, LARRY G., Associate University Librarian (Medical Center Library), 1978
B.A.; M.S.L.S.; Ph.D., Indiana University, 1975

CHU, SHIRLEY S., Professor (Electrical Engineering), 1988
B.S.; M.S.; Ph.D., University of Pittsburg, 1961

CHU, TING LI, Professor (Electrical Engineering), 1988
B.S., M.S.; Washington University, St. Louis, 1962

CHURCH, RICHARD D., Professor (Economics), New College of USF, 1984 Sarasota Campus
A.B.; M.A., J.D., Ph.D., University of Michigan, 1979

COFFEY, RONALD G., Associate Professor (Pharmacology), 1982
B.S.; Ph.D., Oregon State University, 1963

COFFIN, SUSAN B., Assistant in Research (Pediatrics) St. Petersburg, Campus, 1982
B.S., Northern Illinois University, 1968

COCHRANE, BRUCE J., Associate Professor (Biologi), 1981
B.A., M.A., Ph.D., Indiana University, 1979

COE, RICHARD D., Associate Professor (Economics), New College of USF, 1984 Sarasota Campus
A.B.; M.A., J.D., Ph.D., University of Michigan, 1979

COFFEE, RONALD G., Associate Professor (Pharmacology), 1982
B.S.; Ph.D., Oregon State University, 1963

COFFIN, SUSAN B., Assistant in Research (Pediatrics) St. Petersburg, Campus, 1982
B.S., Northern Illinois University, 1968
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Daly, Charles E., Acting Specialist (Student Counseling), 1989
B.A.; M.A., University of South Florida, 1984

Daly, John L., Assistant Professor (Public Administration), 1986
B.A.; M.P.A., Indiana University, 1982

Dann, Carole L., Systems Coordinator (University Computing Services), 1985
B.S., Columbia University, 1967

Dao, My Lien, Assistant Professor (Pediatrics), 1986 St. Petersburg Campus
B.S.; Ph.D., University of Oklahoma, 1979

Darling, Richard W., Associate Professor (Mathematics), 1986
B.A.; M.Sc.; Ph.D., Warwick University, 1982

Dave, Rajendra P., Visiting Assistant Professor (Political Science), 1989
M.A., M. Phil.; M.A., Ph.D., Syracuse University, 1988

B.S., M.A.; M.D., University of Florida, 1964

Davis, Darrell L., Professor (Physiology), 1971
B.S.; M.A.; Ph.D., St. Louis University, 1958

Davis, James M., Visiting Assistant Professor (Pediatrics), 1989
B.S., M.D., University of South Florida, 1986

Davis, Jefferson C., Jr., Professor (Chemistry), 1965
B.S.; M.S.; Ph.D., University of California, Berkeley, 1959

Davis, Julia M., Associate Professor (Social & Behavioral Sciences), 1987
B.A.; M.A.; Ph.D., University of Southern Mississippi, 1968

Davis, M. Mack, III, Coordinator (Academic Services), 1977
B.A., M.A., University of South Florida, 1974

Davis, Richard A., Jr., Graduate Research Professor (Geology), 1973
B.S.; M.A.; Ph.D., University of Illinois, 1964

Davis, Richard H., Instructor (Internal Medicine), 1987
B.A.; B.S., University of Florida, 1982

Davis, Sandra L., Assistant Professor (Visual Arts), 1986
B.F.A., M.F.A., San Francisco Art Institute, 1979

Dawes, Clinton J., Professor (Biology), 1964
B.S., M.A.; Ph.D., University of California, Los Angeles, 1961

Dawson, Peter, Professor (Pathology), 1989

Day-Good, Noorbibi, Professor (Pediatrics), 1985 St. Petersburg Campus
B.S.; M.S., Ph.D., McGill University, 1967

Deans, Stanley R., Professor (Physiology), 1967
B.S.; M.S.; Ph.D., Vanderbilt University, 1967

Deats, Sara M., Professor - Program Director (English), 1970
B.A., M.A.; Ph.D., University of California, Los Angeles, 1970

Debord, Warren A., Associate Professor (Marketing), 1969
B.A.; M.B.A., University of Illinois, 1969

Declue, Terry J., Visiting Assistant Professor (USF Diabetes Center/Pediatrics), 1987
B.A., M.D., University of South Florida, 1982

Deer, Harriet H., Professor (English), 1966 St. Petersburg Campus
M.A., University of Minnesota, 1964

Deer, Irving, Professor (English), 1966
B.S.; M.A.; Ph.D., University of Minnesota, 1956

Deese, Hildred, Head Athletic Coach (Intercollegiate Athletics), 1979
B.S.; M.S., University of Tennessee, 1972

Defant, Marc J., Associate Professor (Geology), 1983
B.S., M.S.; Ph.D., Florida State University, 1985

Dembo, Richard, Professor (Criminology), 1981
B.A.; M.A.; Ph.D., New York University, 1970

Dem, Laszlo, Professor (History), New College of USF, 1975 Sarasota Campus
M.A., Ph.D., Columbia University, 1969

Demilio, James P., Assistant Professor (Humanities), 1988
B.A., Reed College, 1977

Denker, Martin W., Associate Professor (Psychiatry), 1972
B.A.; M.D., Johns Hopkins University, 1968

Dennis, David M. Sr., Professor (Accounting), 1972
A.B.; M.B.A.; Ph.D., University of Missouri, 1972, C.P.A.

Derasari, Kalyani M., University Physician (Student Health), 1989
M.B., B.S.; M.D., Baroda Medical College, India, 1974

Dertke, Max C., Associate Professor-Director (Division of Programs, FMH), 1967
B.A., Ph.D., University of Miami, Florida, 1968

Desalvo, Joseph S., Professor (Economics), 1983
B.A.; M.A.; Ph.D., Northwestern University, 1968

Deschamps, Wallace P., Resident Advisor to Students (Student Affairs), 1989
B.A., M.Ed., Clemson University, 1989

Devine, James F., Assistant Professor (Civil Engineering and Mechanics), 1965
B.S., M.S., University of Illinois, 1960

Diamond, Frank B., Jr., Visiting Associate Professor (Pediatrics), 1988
B.S.; M.D., Pennsylvania State University, Hershey, 1974

Diana, Mary, Specialist, Radio/TV (Extended Studies), 1989
B.A., University of South Florida, 1982

Dickerson, Donna L., Associate Professor-Chairperson (Mass Communications), 1977
B.J., M.A.; Ph.D., Southern Illinois University, 1977

Dickinson, James C., Professor (Psychological and Social Foundations Education), 1969
A.B., M.A., Ph.D., University of Minnesota, 1964

Dietz, John R., Associate Professor (Physiology), 1982
B.S., M.D., University of Nebraska, 1979

Dilkes, Thomas P., Associate Professor (History), 1969
B.A., M.A., Ph.D., University of Iowa, 1964

Dillinger, Susan, Assistant University Librarian (University Libraries), 1975
B.A.; M.A.L.S., University of South Florida, 1981

Diloreto, David A., Visiting Assistant Professor (Ophthalmology), 1989
B.S.; M.D., University of Florida, 1983

Dilley, Andrea, Assistant Professor (Humanities), New College of USF, 1986 Sarasota Campus
B.A.; M.Phil., Ph.D., Yale University, 1980

Dinwoodie, William R., Associate Professor (Internal Medicine), 1978
A.B., M.D., Indiana University School of Medicine, 1972

Djeu, Julie Y., Associate Professor (Medical Microbiology), 1984
B.A.; Ph.D., George Washington University, 1973

Djeu, Nicholas I., Professor (Physics), 1983
B.S.; Ph.D., Cornell University, 1989

Dolan, Christopher P., Associate Professor (Music Education), 1982
B.M.E.; M.M.; Ph.D., Ohio State University, 1981

Dobkin, Joseph B., Department Head/University Librarian (University Libraries), 1974
B.A.; B.A.; M.L.S., Rutgers University, 1966

Doblas-Shaw, Raquel, Assistant In Research (Suncoast Gerontology Center), 1986
B.S.; M.A., M.P.H., University of South Florida, 1986

Doenecke, Justus, Professor (Social Sciences), New College of USF, 1975 Sarasota Campus
A.B.; M.A., Ph.D., Princeton University, 1966

Doherty, Margaret M., Assistant University Librarian (University Libraries), 1987
B.A.; M.S.; M.L.S., Indiana University, 1984

Donaldson, Dennis F., Assistant Athletic Coach (Intercollegiate Athletics), 1986
B.S.; M.Ed., University of Southwestern Louisiana, 1974

Donnelly, Joseph, Assistant In Research (Marine Science Program), 1983
B.S., University of West Florida, 1979

Donovan, Jeffrey C., Assistant Research Scholar/Scientist (Marine Science Program), 1987, St. Petersburg Campus
B.S., University of Florida, 1985

Donovan, Nancy, Assistant Director, Student Affairs (University Center), 1987
B.A., M.A., Bowling Green State University, 1981
DOONE, PATRICK L., Visiting Assistant In (Exceptional Child Education), 1988
B.A., University of South Florida, 1987

DORAGH, CYNTHIA L., Coordinator (Advancement/Alumni Affairs) Ft. Myers Campus, 1988
B.A., University of South Florida, 1987

D'ORONZIO, PAUL A., Assistant Professor (Social and Behavioral Sciences), 1989
B.A.; M.S., D.S.W., Yeshiva University, 1974

DOW, MICHAEL G., Assistant Professor-Program Director (Community Mental Health, FMHI), 1985
B.S.; M.S., Ph.D., Pennsylvania State University, 1983

DOWDY, TERRY A., Associate Director (Environmental Health and Safety), 1981

DOWNS, JOHN B., Professor-Chairperson (Anesthesiology), 1988
B.S.; M.D., University of Florida, 1989

DOYLE, JAMES, Ph.D., Associate Professor (Ophthalmology), 1986
B.S., M.D., Cornell University, 1968

DOYLE, LARRY J., Professor (Marine Sciences), 1972 St. Petersburg Campus
B.A., M.A.; Ph.D., University of Southern California, 1973

DOZIER-HENRY, OARE, Director (Student Affairs), 1988, Sarasota Campus
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DRAFELA, VICTOR J., Professor-Chairperson (Counselor Education), 1968
Ph.L.; M.A., Ph.D., University of North Dakota, 1968

DRASH, PHILIP W., Associate Professor (Children & Family Studies, FMHI), 1981
B.A.; M.A.; Ph.D., Texas Tech University, 1983

DRISCOLL, R. F., Associate Director (University Computer Services), 1987
B.A., University of South Florida, 1986

DRUCKER, MITCHELL D., Visiting Assistant Professor (Ophthalmology), 1988
B.A.; M.D., University of Florida, 1981

DUCHNOWSKI, ALBERT J., Visiting Associate Professor (Epidemiology and Policy Analysis, FMHI), 1985
B.S.; Ph.D., Vanderbilt University, 1980

DUDLEY, ALAN G., Visiting Associate Professor (Content Specializations Education), 1987
B.S.C.E.; B.S.; Ed.D., University of South Florida, 1983

DUFFUS, LEE Associate Professor (Marketing), 1985, Ft. Myers Campus
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B.S., M.B.A.; Ph.D.; J.D., University of Louisville, 1976, C.P.A

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A.B.; M.B.A.; Ph.D., Louisiana State University, 1963

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DWAYER, ROBERT C., Professor (Exceptional Child Education), 1964

DYE, HOWARD S., Professor (Economics), 1973
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DYKSTRA, DAVID E., Professor (Humanities), New College of USF,1975, Sarasota Campus
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EAKER, ALAN B., JR., Professor-Chairperson (Visual Arts), 1969
B.A., M.A., University of California, Berkeley, 1969

EARP, THOMAS E., Academic Administrator (Forensics Program), 1989

EASTERLING, B. RAY, Academic Administrator (Career Resource Center), 1988
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EBBS, PAULETTE A., Visiting Instructor (Adult and Vocational Education), 1988
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B.S.C.E.; M.S.E., M.P.H., Ph.D., University of Michigan, 1984

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EDWARDS, MARGARET, Assistant In (Engineering), 1988
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EDWARDS, SAMUEL, Assistant Professor (Biology), 1989
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EFJIN, JAMES C., Assistant Professor (Geography), 1987
B.A.; M.A.; Ph.D., University of Washington, Seattle, 1987

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ENGEL, CHARLES W., Professor (Communication), 1984
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FIELL, CARL E., Visiting Instructor (Civil Engineering and Mechanics), 1987
B.S.C.E., M.S.C.E., University of Florida, 1965
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FINSTER, JOSEPH L., Associate Professor (Internal Medicine), 1977
A.B., M.D., Georgetown School of Medicine, 1964
FIORE, SILVIA R., Professor (English), 1969
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FIORICA, JAMES V., Visiting Assistant Professor (Obstetrics and Gynecology), 1987
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FIRESTONE, GREGORY E., Visiting Assistant Professor (Public Health), 1989
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FISHER, CHARLES E., Director, University Computer Systems, (University Computing Services), 1978
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FLAG, SUZANNE M. Associate Director (University Personnel Services), 1985
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FLEMINING, ALLEN W., Coordinator, Student Affairs (Student Publications, Student Affairs), 1979
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FLOW, JENETTE F., Visiting Research Associate (Nursing), 1987
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FLOWERS, GEORGE T., Assistant Professor (Engineering), 1988
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FLYNN, ROBERT W., Professor (Physics), 1968
B.S., M.S., S.C.D., Massachusetts Institute of Technology, 1968
FOEGE, WILLIAM C. JR., Associate University Librarian (University Libraries), 1987
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FOLLMAN, JOHN C., Professor (Psychological and Social Foundations Education), 1966
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FORD, EDWARD JR., Associate Professor (Economics), 1971
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FORTSON, FRANCIS G., Systems Coordinator (University Computing Services), 1965
FOSTER, SUSAN, Visiting Assistant in (Education), 1988
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GAGGI, SILVIO L., Professor (Humanities), 1972
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GARCIA, MARIO R., Professor (Mass Communications), 1982
B.A., M.A., University of Miami, 1978

GARCIA, SANDRA A., Associate Professor (Psychology), 1974
B.A.; M.A.; Ph.D., University of Southern California, 1971

GARCIA, SONJA W., Associate University Librarian (University Libr-
aries), 1964
B.S.; M.A., University of South Florida, 1977

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B.E., Ph.D., McMaster University, 1980

GARDNER, HENRY R., Coordinator, Advancement/Alumni Affairs
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GARIN, EDUARDO H., Professor (Pediatrics), 1989
M.D., University of Chile, 1970

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B.S., M.A., Ph.D., University of Florida, 1958

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B.A., University of North Carolina, Chapel Hill, 1980

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ies, Business Administration), 1981
B.S.J.; M.B.A., University of South Florida, 1981

GAVZODA, MARJORIE W., Visiting Assistant Professor (Adult and
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GEAREN, JANICE M., Visiting Assistant In (Education), 1989

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GELINAS, ROBERT W., Professor (Visual Arts), 1963

GENGOZIAN, NAZARETH Professor (Pediatrics), 1983 St. Petersburg
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B.S., M.A., Appalachian State University, 1983

GERRER, DEBORAH L., Assistant In Research (Pediatrics), 1983

GERDES, A. MARTIN, Associate Professor (Anatomy), 1982
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GERDES, JOHNG., Coordinator, Sports Information (Athletics, Student
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B.A., Purdue University, 1984

GERMAIN, BERNARD F., Professor (Internal Medicine), 1976
B.A.; M.D., Medical College of Georgia, 1988

GESTEN, ELLIS L., Professor (Psychology), 1990
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GIANTETTI, RICHARD, Instructor (Medicine), 1989
B.S.; M.D., New Jersey Medical School, 1985

GIBBONS, MICHAEL T., Assistant Professor (Political Science), 1984
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GIBBON, KAREN L., Coordinator, Student Affairs (Financial Aid and,
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GIERLACH, DANIEL J., Head Athletic Coach (Intercollegiate Athletics),
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GILBERT, RICHARD, Associate Professor (Chemical Engineering), 1978
B.A.; M.S., John Carroll University, 1971

GILCHRIST, SANDRA L., Associate Professor (Natural Sciences), New College of USF, 1983, Sarasota Campus
B.S.; M.S.; Ph.D, Florida State University, 1982

GILKEY, GLENN A., Acting Counselor/Advisor (Undergraduate Studies), 1986
B.S., M.S., Southern Illinois University, 1986

GILL, PATRICIA L., Acting Academic Administrator (Lakeland Center, Administration), 1968
B.S.; M.A.; Ed.D., Nova University, 1976

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B.A., M.P.A., University of South Florida, 1962

GILREATH, KENNETH R., Visiting Instructor (FMH-I), 1968
B.S., M.A., University of Nebraska, 1964

GIORDANO, JEFFREY A., Associate Professor (Social Work), 1984
B.S.; M.S.W.; Ph.D., Georgia State University, 1983

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GIVENS, PAUL E., Professor-Chairperson (Industrial and Management Systems Engineering), 1967
B.S.; M.B.A.; Ph.D, University of Texas at Arlington, 1976

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GLASS, HARVEY, Professor (Computer Science and Engineering), 1969
B.S.; M.S., D.Sc., Washington University, 1965

GLASSER, DAVID E., Assistant Director-Professor (Graduate Architecture Program), 1968
B.Arch.; M.S. Arch., University of Pennsylvania, 1968

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GOFORTH, FRANCES S., Associate Professor (Childhood Education), 1967
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GOLDGOF, DMITRY, Assistant Professor (Engineering), 1989
B.S.; M.S.; Ph.D, University of Illinois, 1989

GOLMAN, ALLAN L., Professor (Internal Medicine), 1974
B.A., B.S., M.D., University of Minnesota, 1968

GOLMAN, MARK S., Professor-Program Director (Psychology), 1985
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GRASSO, ROBERT J., Associate Professor (Medical Microbiology), 1971
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HENDERSON, ELIZABETH, Visiting Instructor/Librarian (University Libraries), 1989
B.A.; M.A., University of Florida, 1989
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HENLEY, ELTON F., Professor (English), 1963
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B.A., M.D., Baylor College of Medicine, 1971
HEWITT, CHARLES F., Associate Vice President (Student Affairs), 1972
B.S., M.A.; Ed.D., Western Michigan University, 1972
HEWITT, GWEN E., Counselor/Advisor (Undergraduate Studies), 1987
B.S., M.Ed., Florida A&M University, 1968
HEWITT, MARGARET A., Visiting Instructor (Childhood Education), 1981
B.A.; M.A.E.; Ed.S., University of South Florida, 1984
HEWITT, NANCY A., Associate Professor (History), 1981
B.A.; Ph.D., University of Pennsylvania, 1981
HEWITT, REGINA L., Assistant Professor (English), 1987
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HICKMAN, HUGH V., Associate In (Engineering), 1989
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HICKS, DALE A., Academic Administrator (Counseling Center for Human, Development, Student Affairs), 1977
B.S.; M.A., Ph.D., Bowling Green State University, 1977
HICKS, ROBERT A., Visiting Assistant Professor (Adult and Vocational Education), 1985
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HIKAWA, HIROMI, Research Associate (Engineering), 1989
B.S., M.E., Ph.D., Keio University, 1989
HILLSMAN, MARCIA S., University Counseling Psychologist (Counseling Center for Human Development), 1984
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HAWKINS, ANNIE L., Associate Professor (Music Arts), 1969
B.A., M.A., University of South Florida, 1970
HAWKINS, HERBERT H., Lecturer (Counseling Center for Human Development, Student Affairs), 1971
B.S., M.A., Ed.D, George Washington University, 1964
HAYDEN, WILLIAM P., Associate Professor (Music), 1989
B.M., M.M., The Juilliard School of Music, 1976
HAYES, ERIC, Head Athletic Coach (Intercollegiate Athletics), 1989
B.A., Carson Newman College, 1987
HEAL, ALBERT V., Associate Professor (Cancer Education), 1987
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HEATON, DAVID G., Associate Business Manager (Business Office, FMH), 1987
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HECHICHE, ABDELWAHAB, Associate Professor (Interdisciplinary Social Science), 1970
M.A., Docteur en Etudes Orientales, Sorbonne, 1968
HECHICHE, ANAI K., Assistant Professor (Languages), 1980
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HECK, JAMES B., Associate Vice President-Professor (Provost's Office, Academic Affairs), 1978
B.S., M.A., Ph.D., Ohio State University, 1967
HEESCHEN, RICHARD E., Professor (Elective Physical Education), 1962
B.S.; M.S., Ph.D., Florida State University, 1974
HEIDE, KATHLEEN M., Associate Professor (Criminology), 1981
A.B.; M.A., Ph.D., State University of New York, Albany, 1981
HEILOS, LAWRENCE J., JR., University Librarian (University Libraries), 1974
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HEIM, WILLIAM J., Acting Dean - Associate Professor (Arts and Letters), 1970
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HINTZ, JOHN, Professor (English), 1979, St. Petersburg Campus
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HULBARY, WILLIAM E., Chairperson-Associate Professor (Political Science), 1976
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HUTCHISON, WILLIAM S., Jr., Associate Professor (Social Work), 1977
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HVIZDALA, EVA V., Associate Professor (Pediatrics), 1978
M.D., Charles University School of Medicine, Prague, Czechoslovakia, 1969
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<th>NAME</th>
<th>DEPARTMENT</th>
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<tr>
<td>ISAAK, SAMUEL</td>
<td>JERMIER, JOHN</td>
<td>M.D., Hiroshima University, 1982</td>
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<td>ISAACS, MADELYN L.</td>
<td>DIRECTOR OF STUDENT AFFAIRS</td>
<td>St. Fort Myers Campus</td>
<td>1987</td>
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<td>ISHIZUKA, TATSUO,</td>
<td>JABLONSKI, CAROL G., ASSOCIATE PROFESSOR (RADIOLOGY), 1973</td>
<td>M.D., University of Michigan Medical School, 1964</td>
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<td>IWH, HIROSHI</td>
<td>ASSOCIATE IN RESEARCH (BIOCHEMISTRY), 1989</td>
<td>St. Petersburg University, 1980</td>
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<td>IBRAHIM, MAHOMET</td>
<td>JACOBS, RICHARD</td>
<td>B.A.; M.A., Ph.D., Columbia University, 1973</td>
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<td>IZUMI, KENICHI</td>
<td>JACOBSON, HOWARD N., ASSOCIATE IN RESEARCH (PUBLIC HEALTH), 1988</td>
<td>B.S., M.D., Northwestern University, 1950</td>
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<td>IZUMI, KENICHI</td>
<td>JAIN, VIJAY K., PROFESSOR (ELECTRICAL ENGINEERING), 1972</td>
<td>B.E.; M.E.; Ph.D., Michigan State University, 1964</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JAMES, MELVIN W., COUNSELOR/ADVISOR (UNDERGRADUATE STUDIES), 1984</td>
<td>B.S.; M.A., University of South Florida, 1984</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JAMES, NAVITA C., ASSOCIATE PROFESSOR (COMMUNICATION), 1981</td>
<td>B.A.; M.A., Ph.D., Ohio State University, 1981</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JAMES, PAULA, COUNSELOR-ADVISOR (UNDERGRADUATE STUDIES), 1982</td>
<td>B.S., Bethune-Cookman College, 1972</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JAMES, WAYNNE B., ASSOCIATE PROFESSOR (ADULT AND VOCATIONAL EDUCATION), 1984</td>
<td>B.A.; M.S., Ed.D., University of Tennessee, 1978</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, ASSOCIATE PROFESSOR (CIVIL ENGINEERING AND MECHANICS), 1988</td>
<td>B.S.; M.S.; Ph.D., Virginia Polytechnic Institute State University, 1981</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, VISITING ASSISTANT PROFESSOR (INTERNAL MEDICINE), 1989</td>
<td>B.A.; M.S.; Ph.D., State University of New York, 1989</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, LECTURER (ACCOUNTING), 1976</td>
<td>B.S.; M.D., University of Minnesota, 1950</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, ASSISTANT PROFESSOR (CRIME AND DELINQUENCY), 1986</td>
<td>B.A.; M.D., University of Florida, 1978</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, ASSOCIATE PROFESSOR (PATHOLOGY), 1988</td>
<td>B.S.; M.D., University of Mississippi, 1977</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, VISITING PROFESSOR (MANAGEMENT), 1983</td>
<td>B.S.; M.A., Ph.D., University of Florida, 1989</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, VISITING ASSISTANT IN (OBSTETRICS AND GYNECOLOGY), 1984</td>
<td>B.S.; M.N., Emory University, 1982, C.N.M.</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, ASSOCIATE GENERAL COUNSEL (OFFICE OF THE GENERAL COUNSEL), 1980</td>
<td>B.A.; J.D., Boston University School of Law, 1979</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, SCHOLAR/SCIENTIST (PHARMACOLOGY), 1988</td>
<td>B.S.; M.S.; M.A., Michigan State University, 1981</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, PROFESSOR (PHARMACY), 1983</td>
<td>B.S.M.; M.M.; D.M., Indiana University, 1981</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, ASSOCIATE PROFESSOR (ACCOUNTING), 1984</td>
<td>B.S.; M.A., Ph.D., Columbia University, 1973</td>
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<td>JANARDHANAM, RAJARAM, ASSOCIATE PROFESSOR (PHARMACOLOGY), 1983</td>
<td>B.S.; M.A., Ph.D., Ohio State University, 1979</td>
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<td>JANARDHANAM, RAJARAM, VISITING ASSISTANT IN (OBSTETRICS AND GYNECOLOGY), 1984</td>
<td>B.S.; M.N., Emory University, 1982, C.N.M.</td>
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<td>JANARDHANAM, RAJARAM</td>
<td>JANARDHANAM, RAJARAM, ASSOCIATE GENERAL COUNSEL (OFFICE OF THE GENERAL COUNSEL), 1980</td>
<td>B.A.; J.D., Boston University School of Law, 1979</td>
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</table>
LEE, WILLIAM E. III, Assistant Professor (Chemical Engineering), 1984
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MOHNEY, DAVID A., Assistant In (Educational Leadership and Higher Education), 1970
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MOORE, DONNA S., Assistant Director, Student Affairs (Student Publications), 1967
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MOORE, HARVEY A., Associate Professor (Sociology), 1974
B.A.; M.A.; Ph.D., Case Western Reserve University, 1972

MOORE, JACK B., Professor-Chairperson (American Studies), 1962
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MOORE, JAMES A., Assistant Professor (Graduate Architecture Program), 1988
B.S., M.S.; M.S., Ph.D., University of Pennsylvania, 1987

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MOORE, JUDY Visiting Assistant (College Administration, Education), 1985

MOORE, STEPHEN B., Instructor (Information Systems and Decision Sciences), 1975
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MOORHEAD, JOHN B., Visiting Assistant Professor (Music), 1987
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MOREHOUSE, LAWRENCE Instructor (Political Science), 1980
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MORELLI-ROBBINS, MARLENE, Visiting Assistant In (FMHI), 1989
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MORMINO, GARY R., Professor (History), 1977
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OLSEN, GARY A., Associate Professor (English), 1985
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OLSSON, RAY A., Professor (Internal Medicine), 1976
M.D., George Washington University School of Medicine, 1956
O'MALLEY, REBECCA M., Associate Professor (Chemistry), 1976
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ONO, SEIGO, Visiting Associate Professor (Pediatrics), 1989
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O'REILLY, DONALD E., Professor-Chairperson (Educational Leadership, Education), 1969
A.B.; M.S., Ed.D., Indiana University, 1959
ORR, MARK T., Professor-Director (Interdisciplinary Social Science), 1966
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ORRU, MARCO, Assistant Professor (Sociology), 1987
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ORTINAU, DAVID J., Associate Professor (Marketing), 1979
B.S.; M.S.; Ph.D., Louisiana State University, 1979
OSBORN, CANDICE A., Visiting Associate In (Crime and Delinquency, FMHI), 1986
B.A.; M.A., University of Southern Mississippi, 1974
O'SHEA, DENNIS M., Specialist, Radio/TV (Extended Studies), 1989
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O'SHEEFS, JOY A., Director (Engineering), 1989
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OSINES, PAMELA G., Visiting Assistant Professor (Child and Family Studies, FMHI), 1968
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O'SULLIVAN, PETER B., Professor (Theatre), 1963
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OTT, RUTH A., Coordinator (Academic Advising), 1975 Sarasota Campus
B.A.; M.A., University of South Florida, 1982
OTTANELLI, M. FRASER, Visiting Assistant Professor (History), 1987
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OTTO, RANDY, Visiting Assistant Professor (FMHI), 1989
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OWEN, CHARLES R., JR., Associate Professor (Music), 1981
B.M.; M.A., California State University, 1979
OWEN, PETER T., CPT, Assistant Professor of Military Science, B.S. (1980)
OWEN, TERENCE C., Professor (Chemistry), 1964
B.Sc., Ph.D., University of Manchester, England, 1984
OWEN, WILLIAM D., Professor (Music Arts), 1964
B.M., M.M., Texas State University, 1960
PACIGA, JUNE E., Assistant In Research (Pathology), 1978
B.S., University of Illinois, 1972
PALS, TERRY L., Associate Professor (Humanities), New College of USF, 1973 Sarasota Campus
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PALMA, CARLA, Research Associate (Medicine), 1989
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Palmieri, Nicholas V., Visiting Instructor (Crime and Delinquency, FMHI), 1988
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PANACEK, Luanne J., Instructor-Assistant Chairperson (Child and Family Studies, FMHI), 1961
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PANDO, JOSEPH R., Acting Associate Director - Instructor (Florida Center For Urban Design and Research), 1976
B.A.; M.S. Arch., Columbia University, 1985
PANTHER, EDWARD E., Professor (Counselor Education), 1969
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PAPPAS, GEORGE, Professor (Visual Arts), 1966
B.A.; M.A., Ed.D., Pennsylvania State University, 1957
PAPPAS, JAMES L., Dean-Professor (Business Administration), 1986
B.S.; M.S., Ph.D., University of California, Los Angeles, 1968
PARADISE, LOIS J., Associate Professor (Medical Microbiology), 1973
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PARKER, KEITH A., Associate Professor (History), 1986
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PARKS, JOHN, Assistant Professor (Fine Arts), 1989
PARRINO, BOB N., Counselor/Advisor (Counseling Center for Human Development, Student Affairs), 1982
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PARRINO, DONNA P., Academic Administrator (University Libraries), 1981
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PARRITT, MARY E., Associate Professor (Mathematics), 1979
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PATTERSON, WILLIAM H., Associate Professor (Accounting), 1976
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PARSON, OLIVER J., Counselor/Advisor (Undergraduate Studies), 1988
B.A.; M.A., New Mexico Highlands University, 1972
PARSONS, ANNA K., Assistant Professor (Obstetrics/Gynecology), 1989
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PASCHAL, ROBERT L., Head Athletic Coach (Intercollegiate Athletics), 1986
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PATEL, BHARAT U., Assistant Professor (Radiology), 1986
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PATTERSON, JAMES F., Assistant In (Pathology), 1978
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PATOUILLET, LELAND D., Director (Advancement/Alumni Affairs), 1982
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PATRY, MATTHEW J., Coordinator, (Student Affairs), 1988
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PAUL, JAMES L., Chairperson-Professor (Exceptional Childhood Education), 1988
PAUL, JOHN H., Associate Professor (Marine Science Program), 1983
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PAULSON, Darryl G., Associate Professor (Political Science), 1974
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PAVAN, PETER R., Assistant Professor (Ophthalmology), 1981
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PAWLOWSKI, ROBERT S., Professor (English), 1983
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PAYNE, DAVID, Associate Professor (Communication), 1988
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PAYNE, JANET M., Resident Advisor to Students (Housing and Auxiliary Services, Student Affairs), 1987
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PEATTIE, VICTORIA J., Assistant Professor (Visual Arts), 1986
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PEDEERSEN, JOHN F., Assistant Professor (Mathematics), 1988
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PELLAND, JOAN M., Associate University Librarian (University Libraries), 1989
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PENNER, LOUIS A., Professor-Chairperson (Psychology), 1969
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PEPPARD, VICTOR E., Associate Professor (Languages), 1975
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PEREZ, KATHLEEN R., Visiting Instructor (Psychiatry and Behavioral Medicine), 1987
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PEREZ, LOUIS A., Jr., Graduate Research Professor (History), 1970
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PEREZ, RAFAEL A., Associate Professor (Computer Science Engineering), 1983
B.S.E.E.; M.S.E.E., Ph.D.E.E., University of Pittsburgh, 1973
PERKINS, EMILY T., Visiting Assistant Professor (Pediatrics), 1999
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PERRY, DEBORAH Z., Specialist, Student Counseling (Student Affairs), 1989 Sarasota Campus
B.S.; M.S.W., University of South Florida, 1988
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PETERS, ROGER H., Visiting Assistant Professor (Crime and Delinquency, FMH), 1986
B.A.; M.S., Ph.D., Florida State University, 1986
PETERSON, DONOVAN D., Professor (Educational Leadership Education), 1968
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PETRIMOUX, JOHN J., Instructor (International Language Institute), 1984
B.G.S.; M.A.T.E.S.L., St. Michael's College, 1980
PETTEGREW, LOYD S., Associate Professor (Communication), 1982
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PFISTER, FRED C., Professor (Library, Media, and Information Studies Education), 1976
B.S.; M.Ed.; A.M.L.S., Ph.D., University of Michigan, 1970
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B.A.; M.Ed.; Ed.D., George Peabody College, 1966
PHELPS, CHRISTOPHER P., Associate Professor (Anatomy), 1976
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PHILLIPPY, STEVE W., Associate In (College Administration, Education), 1974
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PHILLIPS, CHRISTINE P., Visiting Assistant Professor (Psychiatry and Behavioral Medicine), 1987
B.Sc.; B.A.; M.Ed.; M.A., Ph.D., University of South Florida, 1985
PHILLIPS, E. RAY, Professor (Content Specializations, Education), 1971
B.A.; M.A.; Ph.D., Purdue University, 1971
PHUPHANICH, SUDASAK, Associate Professor (Neurology), 1983
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PIEGL, LES, Assistant Professor (Engineering), 1989
M.Sc.; M.B.C.S.; Ph.D., Eidhos University, 1982
PIETRANTONI, MARCELLO, Instructor (Obstetrics and Gynecology), 1988
B.S.; M.D., Universidad Guadonoma De Guadalajara, Mexico 1982
PILI, ROBERTO, Visiting Research Professor (Medicine), 1989
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PINKARD, CALVIN M., Associate Professor-Chairperson (Rehabilitation Counseling), 1964
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PINKAS, HAIM, Assistant Professor (Internal Medicine), 1988
M.D., Free University of Brussels, 1978
PINKHAM, PATRICIA, Program Director (Public Health), 1989
D.V.M.; M.P.H., University of South Florida, 1989
PLATT, JOHN S., Associate Professor - Visiting Program Director (Exceptional Child Education), 1988
B.S.; M.S., Ed.D., University of Kansas, 1976
PLAWECZ, JUDITH A., Dean-Professor (Nursing), 1987
B.A.; M.A., Ph.D., University of Iowa, 1974
POLEY, EILEEN F., Assistant In Research (Suncoast Gerontology Center), 1987
B.S.; M.S., Johns Hopkins University, 1986
POLITO, JOSEPHINE T., Associate Professor (Childhood Education), 1977 Ft. Myers Campus
B.S.; M.D., Syracuse University, 1974
POLSON, JAMES B., Professor (Pharmacology), 1971
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POLZIN, STEVEN E., Assistant In Research (Engineering), 1988
B.S.C.E.E.; M.S.C.E.; Ph.D., Northwestern University, 1986
POMERANCE, HERBERT H., Visiting Professor (Pediatrics), 1984
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PONTE, BLANCA A., Coordinator, Continuing Education (International Language Institute), 1979
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PORETO, JOSE L.F., Associate Professor (Mechanical Engineering), 1984
M.S., Ph.D., Rutgers University, 1960
PORTER, KATHY B., Assistant Professor (Obstetrics and Gynecology), 1987
B.S.; M.D., University of Louisville, 1981
PORTER, PHILLIP K. Associate Professor (Economics), 1985
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POTHOVEN, KENNETH L., Associate Professor-Chairperson (Mathematics), 1970
A.B.; M.A., Sp.A, Ph.D., Western Michigan University, 1969
POTTER, ROBERT R., Assistant Professor (Chemistry), 1984
B.A.; M.S., Ph.D., University of California, San Diego, 1979
POWELL, ROBERT W., Professor (Psychology), 1966
B.A.; M.A., Ph.D., Florida State University, 1966
POWER, FRED B., Professor (Finance), 1954
B.S., M.Ed., University of Florida, 1964
POWERS, DANIEL S., Assistant Professor (Graduate Architecture Program), 1988
B.Arch., M.Arch., University of Florida, 1974
POWERS, PAULINE S., Professor (Psychiatry), 1975
A.B.; M.D., University of Iowa, 1971
POW-SANG, JULIO M., Assistant Professor (Surgery), 1988
M.D., Universidad Autonoma De Guadalajara, Mexico, 1978
PRANGE, MARC, Visiting Assistant Professor (FMH), 1988
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PRENTICE, ANN E., Associate Vice President - Professor (Library, Special Programs) 1988
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PINO-RODAS, RICHARD A., Professor-Program Director (Languages), 1981
B.A.; M.A., M.A. Ph.D., University of Michigan, 1966
PRICE, JAMES, Professor (Medicine), 1989
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PRICE, JOEL M., Associate Professor (Physiology), 1976
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PRICE, LORIN, Assistant Professor (Pediatrics), 1979
B.S.; M.D., State University of New York, Upstate Medical Center, 1978
PRICE, WILLIAM T., Instructor (Professional Physical Education), 1983
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PRIDE, RICHARD F., Associate Professor (Educational Leadership, Education), Program Director (Upward Bound), 1969
B.A.; M.A., Ed.D., Columbia University, 1958
PRINCE, FRED A., Associate Professor (Content Specializations, Education), 1971
B.S.; M.S., Ed.D., University of Houston, 1971
PRITCHARD, WILLIAM H., Visiting Research Associate (Engineering), 1986
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PROBES, CHRISTINE M., Assistant Professor (Languages), 1983
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PROCKOP, LEON D., Professor-Chairperson (Neurology), 1973
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PROSS, SUSAN, Visiting Assistant Professor (Medical Microbiology), 1985
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B.A.; M.A., Ed.D., University of California, Los Angeles, 1987
PUTNEY, MARTHA W. University Counseling Psychologist (Counseling Center for Human Development, Student Affairs), 1985
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QUIN, SUSAN, Associate in Research (Medicine), 1989
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QUINTERO, SOCORRO, Assistant Professor (Business), 1989
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RARE, DOUGLAS J., Assistant Professor (Chemistry), 1970
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RABINOVICH, WILLIAM, Visiting Assistant Professor (Physics), 1989
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RADFORD-CURRY, BLANCHE, Visiting Assistant Professor (Social Sciences), 1989
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RAJ, BALAIBAIL A., Associate Professor (Psychiatry), 1979
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RAMACHANDRAN, KANETHODY M., Assistant Professor (Mathematics), 1987
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RANGANATHAN, N., Assistant Professor (Engineering), 1988
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RAO, A.N.V., Professor (Mathematics), 1972
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RAO, UNDARU R., Associate in Research (Public Health), 1988
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RASCH, JOHN D., Professor (Rehabilitation Counseling), 1978
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RATENSKY, ALEXANDER, Professor-Director (Graduate Architecture Program), 1987
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RATLIFF, JOHN L., Associate Professor (Civil Engineering and, Mechanics), 1969
B.S., M.S.; Ph.D., Wayne State University, 1966
RATTI, JOGINDAR S., Professor (Mathematics), 1967
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RAUSCH-MEDIA, JESSICA G., Visiting Assistant Professor (Medicine), 1989
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READER, WILLIE D., Professor (English), 1963
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READING, ANTHONY J., Professor-Chairperson (Psychiatry), 1975
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REARICK, MARTHA N., Professor (Music Arts), 1963
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RECK, JACQUELINE L., Instructor (Business), 1989
B.S.; B.S., University of South Florida, 1988
REDDEO, BARBARA A., Associate Professor (Nursing), 1975
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REED, JAMES H., Associate Professor (Mathematics), 1963
B.A.; M.A.; Ph.D., University of Maryland, 1989
REED, JAMES R., Counseling Psychologist (Counseling Center for Human, Development, Student Affairs), 1968
B.A.; M.A.C.T.; Ph.D., University of Tennessee, 1988
REED, JANE G., Counselor/Advisor-Coordinator, Student Affairs (Undergraduate Studies), 1969
B.A.; M.A., University of Maryland, 1982
REED, ROBERTA G., Radiation Control Officer (Environmental Health and Safety), 1987
B.S.; M.S., Florida State University, 1960
REESE, DIANE J., Visiting Assistant Professor (Education), 1989
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REGIS, HUMPHREY A., Associate Professor (Arts and Letters), 1989
B.A.; M.A.; Ph.D., Howard University, 1983
REINERSMAN, PHILIP N., Associate in Research (Natural Sciences), 1999
B.S.; M.A., Ph.D., University of South Florida, 1988
REINTREN, DOUGLAS S., Assistant Professor (Surgery), 1987
B.A., M.D., Duke University Medical School, 1979
REJNIK, LYNN M., Associate in (Engineering), 1987
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SCHRODER, HAROLD M., Professor - Director (Management), 1973
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SCHULZ, ROBERT J., Chairperson-Professor (Medicine), 1969
B.S.; M.D., Chicago Medical School, 1957

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SCHWANTZ, RENEE C., Assistant in Research (Medicine), 1989
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B.B.A., M.B.A.; Ph.D., University of Oregon, 1975

SCHWARTZ, CAROLE J., Instructor (Childhood and Language Arts Education), 1970
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SCOTT, BONNIE K., Counselor/Advisor (Academic Support), 1982 Ft. Myers Campus
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SCOTT, JOHN O., Business Manager USF Foundation (Development Office, University Relations), 1974
B.C.S.; B.A., University of South Florida, 1974

SCOTT, JOHN J., Visiting Coordinator-Assistant Professor (Education), 1969
B.A.; M.Ed., Ph.D., University of Florida, 1988

SCOTT, LINUS A., Professor (Energy Conversion and Mechanical Design), 1964
B.S.M.E., M.S.E.; Ph.D., Case Institute of Technology, 1960, P.E.

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SCRUGOS, CHARLES E., Professor (Languages), 1972
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SCUDDER, PAUL H., Associate Professor (Natural Sciences), New College of USF, 1978 Sarasota Campus
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SEAR, ALAN M., Associate Professor (Public Health), 1987
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SEARLS, EVELYN F., Associate Dean - Professor (Childhood Education), 1974

SEIFERT, KENNETH B., Assistant Professor (Surgery), 1983 (Part time)
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SELENZINK, MITCHELL J., Assistant Professor (Internal Medicine), 1996
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SEN, RAJAN, Associate Professor (Civil Engineering and Mechanics), 1984
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SEYMOUR, ROBERT R., Specialist/Radio-TV (Extended Studies), 1981
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SHANNON, ROBERT F., Associate Professor (Economics), 1966
B.S., M.B.A., Ph.D., University of Illinois, 1966

SHANNON, ROGER, Professor (Physiology), 1974
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SHAO, ALAN T., Visiting Assistant Professor (Marketing), 1988
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B.A.; M.S., University of Houston, 1981

SHATTUCK, BEVERLY A., Director, Health Sciences Library (Health Sciences Center), 1989
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SHAY, KAILIE R., Associate Professor (Psychiatry), 1974
J.M.B.; M.D., University of Cape Town Medical School, 1966

SHEA, WILLIAM M., Professor (Religious Studies), 1980
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SHEHAN, DAVID V. Professor (Psychiatry), 1985
B.A.O., M.B., B.Ch., University College Dublin Medical School, 1970,

SHEHAN, KATHLEEN A., Visiting Assistant Professor (Psychiatry and Behavioral Medicine), 1987
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M.B. Boh. Boc., University College Dublin, National University of Ireland, 1977

SHEKHTMAN, BORIS, Associate Professor (Mathematics), 1986
M.S.; Ph.D., Kent State University, 1980

SHELLEY, SUE A, Associate Professor (Pathology), 1978
B.A.; M.S., Ph.D., Loyola University of Chicago, 1974,

SHENEFELT, PHILIP D., Assistant-Professor (Internal Medicine), 1987
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SHEPHERD, DAVID C., Professor (Communication Sciences and Disorders), 1972
B.A., M.A., Ph.D., Syracuse University, 1962

SHEPPARD, HAROLD L., Professor-Director (Gerontology), 1983
B.A.; M.A., Ph.D., University of Wisconsin, 1948

SHERMAN, BARBARA R., Dean-Associate Professor (Mt. Cypress), 1977
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SHERMAN, MARK R., Visiting Instructor (Management), 1986
B.A.; LL.B.; LL.M., London School of Economics, 1981

SHERMER, RONALD A., Academic Administrator (Social Science/Arts, and Letters) 1979
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SHERMER, SUZANNE E., Assistant Professor (Natural Sciences), 1989
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B.S.; Ph.D., Massachusetts Institute of Technology, 1987

SHER, LAURENCE E., Visiting Assistant Professor, 1989
A.B.; M.M.; D.M.A., University of Illinois, 1988

SHERWOOD, WENDE L., Specialist, Radio-TV (Broadcast Services), 1984
B.S., B.A., University of Florida, 1994

SHEWMAKER, JANETH D., Department Head-University Librarian (University Libraries), 1979 St. Petersburg Campus
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SHILLOH, AILON, Professor (Anthropology), 1973
B.A.; M.A.; Ph.D., Yale University, 1980

SHIVELY, JOHN A., Visiting Professor (Pathology), 1988
B.A., M.D., Indiana University, 1948

SHIVER, ROBERT H., Coordinator, Student Affairs (Golf Course), 1969
B.S., University of Florida, 1961

SHOWS, E. WARREN, Professor (Economics), 1964
B.A.; M.B.A., Ph.D., Georgia State University, 1968

SHRADER-FRECHETTE, KRISTIN S., Graduate Research Professor (Philosophy), 1987
B.A.; Ph.D., University of Notre Dame, 1971

SHULMAN, DOROTHY L., Assistant Professor (Pediatrics), 1985
B.A.; M.D., University of Kansas, 1979

SIDOWSKI, JOSEPH B., Professor (Psychology), 1969
B.A.; M.S., Ph.D., University of Wisconsin, 1956

SIEBEL, JERRY D., Associate Professor (Accounting), 1976
B.A.; M.S., Ph.D., University of Iowa, 1967, C.P.A.
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SIEWART, REGINA C., Academic Administrator (Provost Office), 1988
B.A.; M.B.A., The American University, 1984

SMITH, DONALD A., Assistant Professor (Surgery), 1988
B.A., M.D., University of Vermont, 1980

SMITH, ELIZABETH, University Librarian (University Libraries), 1981
B.A.; M.S.; M.S.L.S., Case Western Reserve University, 1976

SMITH, ELTON E., Professor (English), 1961
B.S.; M.A.; B.D.; Ph.D., Syracuse University, 1966, D.D. (Hon.)

SMITH, HENRIETTA M., Associate Professor (Library Media and Information Studies, Education), 1985
B.A.; B.S.L.S., M.S.L.S.; Ed.D., University of Miami, Florida, 1975

SMITH, JACK L., Professor (Accounting), 1969
B.B.A.; M.S., Ph.D., University of Mississippi, 1969, C.P.A.

SMITH, J. JEROME, Associate Professor (Anthropology), 1972
B.A.; M.A., Ph.D., University of Arizona, 1972

SMITH, JOHN L., Jr., Dean - Professor (Fine Arts), 1972
B.M.E.; M.M.E.; D.M.A., University of Missouri, 1979

SMITH, JUDITH H., Visiting Assistant In (Microbiology), 1987
B.S.; M.S., University of South Florida, 1984

SMITH, JULIE H., Director (Institute on Black Life), 1974
B.A., M.A., Ed.S., Ph.D., University of South Florida, 1987

SMITH, LEE, Visiting Instructor (Education), 1989
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SMITH, LINDA G., Instructor, (Criminology), 1989
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SMITH, PHILIP L., Associate Professor-Chairperson (Social Work), 1975
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SMITH, ROBERT A., Visiting Director-Assistant Professor (Medicine), 1989
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SMITH, WILLIAM A., Professor-Acting Chairperson (Mechanical Engineering), 1966
B.S.; B.S.M.E.; M.S., Ph.D., University of Florida, 1966

SMITH, WILMA L., Director (Equal Opportunity Programs), 1983
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SNIDER, ARTHUR D., Professor (Electrical Engineering), 1970
B.S.; M.A.; Ph.D., New York University, 1971

SNOOK, JANICE B., Associate Professor (Interdisciplinary Social Sciences), 1968
A.B.; M.S., Ph.D., University of Maryland, 1989

SNYDER, JOHN D., Specialist, Radio/TV (Educational Resources), 1987 Fort Myers Campus
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SNYDER, KAROLYN J., Associate Professor (Educational Leadership and Higher Education), 1983
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SNYDER, LEE D., Professor (Social Science), New College of USF, 1975
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SNYDER, ROBERT E., Associate Professor (American Studies), 1980
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SNYDER, WALTER S., Assistant Professor (Industrial and Management Systems, Engineering), 1981
B.A.; M.B.A., M.S.E., Ph.D., University of South Florida, 1984

SOHN, KISANG, Assistant Professor (Gerontology), 1987
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SOLOMON, DAVID A., Professor (Internal Medicine), 1976
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SOLOMON, PAUL J., Professor-Chairperson (Marketing), 1986
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SOLOMONSON, LARRY P., Professor - Chairperson (Biochemistry), 1976
B.A., Ph.D., University of Chicago, 1999

SOMMERS, JUDY G., Program Director (Public Health), 1984
B.A., M.B.A., University of South Florida, 1988

*SPAIN, FRANK H., Director (Community College Relations), 1959
B.S.; M.S.; Ed.D., University of Florida, 1954

SPARKS, AMY J., Professor - Chairperson (Humanities), 1968
B.A., M.A.; Ph.D., Louisiana State University, 1964

SPARKS-MC GLINCHY, BARBARA A., Assistant Director (Intercollegiate Athletics), 1974,
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TAYLOR, CARINE I., Visiting Assistant Professor, (Pediatrics), 1969

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STRONG, PASCHAL N., Professor (Psychology), 1966

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SUAREZ, DAWN M., Research Assistant In (Diabetes Center), 1985

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SUGIURA, JIE-LIU, Assistant Professor (Psychology), 1988

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SUGIURA, KIKUYA, Associate Professor, 1986 Fort Myers Campus

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SUMMER, AVERILL V., Associate Professor, (Music), 1973 (Part time)

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SUMMERS, LINDA S., Assistant Director, Student Affairs (Administrative Services), 1984 Ft. Myers Campus

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SUNDARAM, SWAMINATHA, Professor - Chairperson (Physics), 1982

B.Sc.; M.S.; Ph.D., Annamalai University, India, 1980

SUNOL, AYDIN, Associate Professor (Chemical Engineering), 1982

B.S.; M.E., Ph.D., Virginia Polytechnic Institute and State University, 1982

SWANSON, JAMES M., Associate Professor-Chairperson (History), 1964

B.A.; M.A.; Ph.D., Indiana University, 1968

SWANSON, RICHARD M., Associate Professor-Chairperson (Crime and Delinquency, FMHI), 1987

B.A.; M.A.; Ph.D., J.D., Denver University, 1985

SWARZMAN, JOYCE B., Associate Professor-Program Director, (SCATT Education), 1981

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SWEENEY, VIRGINIA, Assistant Director, University Research, (Sponsored Research), 1965

SWEETING, JAMES Jr., Coordinator (Educational Leadership and Higher Education), 1984

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SZAKACS, JENO E., Professor (Cancer Education), 1966

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SZENTIVANYI, ANDOR, Professor (Pharmacology and Therapeutics), 1970

M.D., University Medical School, Debrecen, Hungary, 1950

TALLIS, JOAN E., Associate Director (Housing and Auxiliary Services, Student Affairs), 1963

B.S.; M.S.Ed., Syracuse University, 1963

TALONE, JOHN W., Visiting Professor (FMHI), 1989

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TANG, JIE-LIU, Associate in Research (Medicine), 1989

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TARET, RUDOLPH, Assistant Professor (Public Health), 1986

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TATTER, JIM C., Associate Professor (Languages), 1963

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TAYLOR, JUDY H., Visiting Assistant In (Pediatrics), 1984

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TAYLOR, RICHARD N., Associate Professor-Program Director (Philosophy), 1969

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TEBRUGGE, LYN C., Counselor/Advisor (Academic Services), 1983 (Part time)

B.S.; M.A., University of South Florida, 1978

TEDESCO, THOMAS A., Associate Professor (Pediatrics), 1974

B.S.; Ph.D., University of Pennsylvania, 1969

TEMETE, KNUTE P. Lecturer (Information Systems-Decision Sciences), 1985

B.S.; M.S., United States Naval Postgraduate School, 1982

TERENZI-LURIA, EGILDA, Associate Director, Clinical Services (Student Health Services, Student Affairs), 1987

B.S.; M.D., University of East Medical School, Quezon City, Philippines, 1975

TERRITO, LEONARD, Professor (Criminology), 1978

B.A.; M.A.; Ed.D., Nova University, 1975

TERRY, ANNA M., Visiting Instructor (Psychiatry and Behavioral Medicine), 1986

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TESTRAKE, DIANE T., Associate Professor (Biology), 1967

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THEIN, SOE, Physician (Student Health Services, Student Affairs), 1987

M.B.B.S., Institute of Medicine I, Rangoon, Burma, 1971

THERIAULT, MARGARET S., Counselor/Advisor (Undergraduate Studies), 1989

B.A., University of South Florida, 1989

TIELEKER, ERNEST A., Associate Professor (Mathematics), 1970

B.S.; M.S.; Ph.D., University of Chicago, 1968

THOMAS, CHRISTOPHER R., Associate Professor (Economics), 1982

B.S.; Ph.D., Texas A&M University, 1960

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B.A.; M.S.W.; Ph.D., University of North Carolina, 1989

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B.S.; M.B.A., Rollins College, 1967

THOMAS, SHIRLEY M., Coordinator, Institutional Research (Resource Analysis and Planning), 1969

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THOMPSON, J. KEVIN Associate Professor (Psychology), 1985

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THOMPSON, MALLORY B., Associate Professor (Music), 1989

B.A.; M.A.; Ph.D., University of Rochester, 1985

THOMPSON, ROBERT D., Associate In Research (Internal Medicine), 1987

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THOMPSON, TANA N., Visiting Assistant Professor (Business), 1989

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THOMPSON, WENDEY J., Assistant General Counsel (General Counsel's Office), 1989

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THORNBERRY, PATRICIA L., Department Head/University Librarian (University Libraries), 1979

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THURPE, DAVID N. Assistant Professor (Anesthesiology), 1985

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B.S.; M.A., University of South Florida, 1971

TIPPS, K. GELLY, Assistant Professor (History), 1969

B.A.; M.A.; Ph.D., University of Colorado, 1971

TITTLE, MARY, Instructor (Nursing), 1983

B.S.N., M.S.N., Ph.D., University of Florida, 1988

TOGIE, DAVID, JR., Lecturer (Mass Communications), 1978

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TOKUTA, ALADE O., Assistant Professor (Computer Science and Engineering), 1985

B.S.E.E., M.S.E.E.; E.E.; Ph.D., University of Florida, 1984

TOMAINO, JOSEPH M., Coordinator, Advancement/Alumni Affairs, (Development and Alumni Affairs), 1967

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TOMITA, YOSHIFUMI, Associate In Research (Pediatrics), 1986 St. Petersburg Campus

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TONEY, JOHN F., Visiting Assistant Professor (Internal Medicine), 1996

B.S., M.D., Marshall University, 1981
TOOKE, MICHAEL S., Assistant Director (University Center), 1988
B.A., M.B.A., M.S., University of North Dakota, 1977

TORRES, BENJAMIN A., Visiting Assistant In (Pediatrics), 1986
M.D., Universidad de San Carlos De Guatemala, 1982

TORRES, JOSEPH J., Associate Professor (Marine Science), 1980
B.S.; M.A., Ph.D., University of California at Santa Barbara, 1980

TORRES, SARAH, Assistant Professor (Nursing), 1988
B.S.N., M.S.N.; Ph.D., University of Texas, Austin, 1986

TOSCANO, RAMON C., Instructor (Medicine), 1989
B.A., M.D., Rutgers University, 1985

TOWERY, GENE M., Associate Professor, 1970
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B.S.; M.S., Florida State University, 1971

TOWERY, HENRY H., Associate Professor (Marketing), 1970
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TREMEL, WILLIAM C., Professor-Chairperson (Religious Studies), 1969

TRICIE, ISIAH, Assistant Professor (Elective Physical Education, Education), 1970
B.S.; M.S., University of Colorado, 1961

TRIVOLI, GEORGE W., Professor (Finance), 1984
B.S.; M.B.A; Ph.D., University of Virginia, 1970

TRONCOSO, ANA N., Consultant, University Physical Planning (Facilities, Planning), 1980
B.S.; M.S., Universidad De La Habana School of Architecture, 1967

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TRUXT, WILLIS H., Professor (Philosophy). 1968
A.B.; M.A., Ph.D., Boston University, 1968

TSCHIDERER, JOHN, Coordinator, Student Affairs (Student Services), 1971, St. Petersburg Campus
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B.S.; Ph.D., Cornell University, 1965

TKOKOS, CHRISTOS P., Professor (Mathematics), 1972
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TUCKER, KENNETH H. JR., Assistant Professor (Sociology), New College, of USF, 1968 Sarasota Campus
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TURNER, STEPHEN P., Graduate Research Professor (Sociology), 1975, St. Petersburg Campus
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TWIBLE, JACQUELYN L., Assistant Professor (Marketing), 1987
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TYNES, CLAIREnce M., JR., Coordinator Instructional/Learning Resources (FMH), 1984
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TYSON, IAN B., Professor (Radiology), 1984
B.S.; M.B.Ch.B., University of Edinburgh, Scotland, 1956

TYSON, NANCY J., Assistant Professor (English), 1984
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UCHIMURA, ISAO, Associate In Research (Medicine), 1989
M.D., Tokyo Medical College-School of Medicine, 1985

UDEEDA, MASAYUKI, Associate In Research, 1989
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UNDERBAKKE, MELVIA E., Visiting Instructor (Extended Studies), 1984
B.A., M.A., Ph.D., University of South Florida, 1982

UNGURAIT, KAREN, Assistant Department Head/Associate University Librarian (Library), 1987 Sarasota Campus
B.S., M.S., Florida State University, 1972

UPCHURCH, SAM B., Professor (Geology), 1974
A.B.; M.S., Ph.D., Northwestern University, 1970

URAVICH, PAUL A., Director (University Safety and Security), 1973
B.S., M.S., Florida State University, 1970

VACHER, HENRY L., Associate Professor (Geology), 1983
B.S.; M.A., Ph.D., Northwestern University, 1971

VANCE, EARLE F., Assistant Director, University Research (Sponsored Research), 1984
B.A., State University of New York at Plattsburgh, 1974

VANCE, PHILLIP K., Area Administrator (University Housing, Student Affairs), 1985
B.S., M.A., Western Kentucky University, 1984

VAN COT, MARY LOU, Instructor (Nursing), 1981
B.S.; M.S.; Ph.D., University of Florida, 1989

VAN DERVENTER, STEPHANIE S., Visiting Program Director (Education), 1988
B.S., M.A., University of South Florida, 1988

VANDERFORD, MARSHA V., Associate Professor (Communication), 1981
B.A., M.A., Ph.D., University of Minnesota, 1982

VAN DURMEN, ALICE C., Coordinator, Continuing Education (Weekend College), 1982
B.A.; M.A.; Ph.D., University of South Florida, 1975

VAN HOOSE, DANIEL R., Coordinator, Student Affairs (Career Resource, Center), 1988
B.S., Park College, 1988

VAN NESTE, ROY J., Assistant Professor (History), 1971
B.A.; M.A.; Ph.D., University of Wisconsin, 1972

VAN VLEET, EDWARD S., Professor (Marine Science), 1979 St. Petersburg Campus
B.S.; B.A.; M.S.; Ph.D., University of Rhode Island, 1978

VAN VOORHIS, KENNETH R., Professor (Management), 1970
B.S., M.B.A., D.B.A, Louisiana State University, 1971

VANDEN, HARRY E., Professor (Political Science), 1975

VARANASI, MURALI, Professor-Chairperson (Computer Science and Engineering), 1980
B.S.; D.M.I.T.; M.S., Ph.D., University of Maryland, 1973

VARGAS, LILLIAN M., Assistant Professor (Internal Medicine), 1988
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VARGO, GABRIEL A., Associate Professor (Marine Science), 1979 St. Petersburg Campus
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VARGO, SANDRA L., Assistant Director-Instructor (Florida Institute of Oceanography), 1980 St. Petersburg Campus
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VARTALOTA, DAVID, Assistant Professor (Anesthesiology), 1988
B.A.; D.O.M., New York College of Osteopathic Medicine, 1983

VASEY, FRANK B., Professor (Internal Medicine), 1977
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VASTINE, JAMES P., Assistant Department Head/University Librarian (University Libraries), 1970
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VAVALA, THERESA V., Visiting Assistant In (Education), 1987

VEGA, MANUEL, Associate Professor (Criminology), 1965 Sarasota Campus
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VERKAUF, BARRY S., Associate Professor (Obstetrics and Gynecology), 1974
B.A.; M.D., Tulane University School of Medicine, 1985

VERMEES, MICHAEL Professor (Radiology), 1985
M.D., University of Vienna, 1958

VICINO, NEIL, Specialist, RadioTV (Extended Studies), 1983
B.A.; M.A., University of South Florida, 1974

VICKERY, ANN C., Associate Professor (Public Health), 1980
B.A.; M.S., Ph.D., Northwestern University, 1980

VILLEMS, MELVIN G., Program Director (Student Personnel), Professor (Educational Leadership Education), 1971
B.A.; M.A.; Ed.S.; Ed.D., Nova University, 1976

VINCENTE, JOYCE P., Associate Professor (Management), 1977
B.S.; M.B.A; D.B.A., Indiana University, 1979

VINCENT, ALBERT L., Associate Professor (Comprehensive Medicine), 1978
A.B.; M.A.; Ph.D., University of California, Los Angeles, 1976
Vincent, Clarence E., Lecturer (Marketing), 1983 St. Petersburg Campus

Vincent, Frederick W., Assistant To Vice President (Administrative Affairs), 1987
B.B.A., M.A., Slippery Rock University, 1980

Visot, Luis R., Assistant Director (University Housing, Student Affairs), 1981
B.A.; M.Ed., University of Georgia, 1980

Vogelsong, Ronald S., Assistant Professor (Electrical Engineering), 1985
B.S.E.E., M.S.E.E., Ph.D., University of South Florida, 1985

Voss, Rosemary J., Research Assistant In (Pediatrics), 1986 St. Petersburg Campus
B.S., M.S., San Diego State University, 1976

Wade, Sally M., Visiting Instructor (Education), 1988
B.A.; M.Ed., University of Arkansas, 1979

Wade, Thomas E. Associate Dean-Professor (Engineering), 1985
B.S.E.E., M.S.E.E., Ph.D., University of Florida, 1974

Wagner, Kathleen, Visiting Coordinator (Medicine), 1989
B.S.N., University of Iowa, 1971

Walbolt, Daniel R., Vice President (Student Affairs), 1969
B.S., J.D., New York University, 1995

Walden, Eric L., University Comptroller (Finance and Accounting, Administrative Affairs), 1973
B.S., M.B.A., East Texas State University, 1972

Walker, Robert, Assistant Professor (Medicine), 1989
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Wallace, Pamela M., Visiting Assistant Professor (Pediatrics), 1989
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Wallace, Tary L., Visiting Coordinator (Public Health), 1988
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Wallach, Paul M., Assistant Professor (Internal Medicine), 1987
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Walsh, Frank W., Visiting Assistant Professor (Medical), 1989
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Walsh, John J., Graduate Research Professor (Marine Science, Program), 1984 St. Petersburg Campus
A.B., M.S., Ph.D., University of Miami, 1989

Walsh, Ruth M., Associate Professor (Management), 1969
A.B.; M.A.; Ph.D., University of South Florida, 1976

Walther, John D., Assistant Professor (English), 1965
B.A.; M.A.; Ph.D., Vanderbilt University, 1972

Waltz, Alfred J., Assistant Professor (Information Systems-Decision Sciences), 1975
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Wangensteen, Stephen L., Professor (Surgery), 1987
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B.A., M.A., Ph.D., University of South Florida, 1981

WARD, William B., Associate Professor (Public Health), 1987
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Warfield, Nancy R., Associate Professor (Music Arts), 1980
B.M.; M.M., Temple University, 1984

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Warnecke, Sharon A., Program Director (Public Health), 1998
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Warrock, Douglas J., Visiting Assistant Professor (Visual Arts), 1988
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Warren, Gretchen W., Associate Professor (Dance), 1983

Wasala, Carol F., Visiting Instructor (Economics), 1985
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Waterman, Patricia P., Associate Professor (Anthropology), 1969
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Watkins, Armin L., Professor (Musico Arts), 1960
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Waugh, Joanne B., Associate Professor (Philosophy), 1980
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Weisberg, Robert H., Associate Professor (Marine Science Program), 1986
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Weiss, Aver H., Associate Professor (Ophthalmology), 1991
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Welker, Robert F., Associate Professor (Accounting), 1966
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Fine Arts Building

Math Physics Building

Edgar W. Kopp, Jr. Engineering Building and Engineering Auditorium

Science Center

Rocky at play
Bookstore and Textbook Center

Wednesday's Elm Street Flea Market

Rocky lighting the Homecoming Bonfire

Students getting ready for the ceremony

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