WST 3011 ISSUES IN FEMINISM -5S (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 -HP (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 -HP (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 socio-psychological 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 Government and International Affairs.)

WST 3300 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 4260 RESEARCH ISSUES ON WOMEN OF COLOR -6A -XMW (3)
An interdisciplinary introduction to the research process as it has been carried out on women of color nationally and internationally.

WST 4262 LITERATURE BY AMERICAN WOMEN OF COLOR (3)
An introduction to contemporary women writers of color in the U.S.: Native Americans, African Americans, Asian Americans, and Chicanas/U.S.Latinas. Readings will include literature and contextual articles on historical and cultural issues. (May also be taken for credit in English Department.)

WST 4263 THIRD WORLD WOMEN WRITERS -XLW (3)
Introduces the literature of women from various anglophone countries in Africa, the Caribbean, and South Asia; some U.S. writers will be included to represent a third world diasporic consciousness. (May also be taken for credit in English Department.)

WST 4309 THE FEMALE EXPERIENCE IN AMERICA (3)
The female experience in America, in historical context, with an emphasis on women in families of various classes, races, and ethnic groups from colonial times to 1870.

WST 4310 FEMINISM IN AMERICA -6A -XMW (3)
A study of feminist critiques of American women's experiences and status, and their implications for women's lives, by 19th- and 20th-century theorists, and how adequately these various critiques address the intersections of gender, class, ethnicity, and race.

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 women's role as patient and provider of care are shaped by public and cultural assumptions.

WST 4335 WOMEN AND FILM (3)

WST 4342 CLASSICS IN FEMINIST THEORY -XMW (3)
A study of classic contributions to the elaboration of feminist thought from the 18th century to the present in an attempt to discover the roots of the contemporary feminist movement. This course is cross-listed with the Department of Philosophy.

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 CI. Study in special areas such as Women and Work, Reproductive Law, Women and Health.

WST 4935 SEMINAR IN WOMEN'S STUDIES (3)
PR: Women's Studies Major. Recognizing the interplay between personal connections and intellectual experience, this capstone course is designed to focus on topical areas related to women's studies and facilitate linking student learning experience to future plans.

WST 5001 FEMINIST RESEARCH AND METHODOLOGY (3)
The main goals of this course are to develop a more comprehensive understanding of the situation of women in society and to develop a theoretical basis for integrating this knowledge into the student's graduate course of study.

WST 5266 WOMEN OF COLOR: ACTIVISM AND SOCIAL CHANGE (3)
Intensive reading and discussion of the participation of women of color in contemporary revolutionary and reformist activities. Class project involvement is required.

WST 5318 FEMINIST SPIRITUALITY (3)
This course will focus on the many voices of contemporary feminist spirituality, emerging from women's experiences in diverse religious, ethnic and cultural traditions, and representing a range of theoretical perspectives from biblical feminism to goddess worship and wicca. (May also be taken for credit in Religious Studies.)

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. (CI).
ACCOUNTING/LAW


ECONOMICS


FINANCE

Chairperson: G. Kanatas; Lykes Professor of Banking & Finance: J. L. Pappas; University Distinguished Service Professor and Sergio Bonnani Distinguished Professor of International Finance: A. Beenenakker; Professors: A. Beenenakker, S. E. Bolten, R. G. Cox, G. Kanatas, S. Kapplin, R. L. Meyer, F. B. Power, A. Schwartz, K. F. Weand; Associate Professors: S. Besley, S. B. Bulmash, D. A. Johnson, P. Kares, R. J. Rivard; Assistant Professors: D. J. Borgia, H. W. Lee, W. G. Modrow, J. Qi, R. Sanders; Other Faculty: J. Rader.

INFORMATION SYSTEMS AND DECISION SCIENCES


MANAGEMENT


MARKETING


ACCOUNTING/LAW

ACG 2001 FINANCIAL AND MANAGERIAL ACCOUNTING I (3)
Study of basic accounting principles including the recording and reporting of financial activity. The preparation and interpretation of financial statements.

ACG 2011 FINANCIAL AND MANAGERIAL ACCOUNTING II (3)

ACG 3074 MANAGERIAL ACCOUNTING FOR ENGINEERS (3)
The study of the uses of accounting data internally by managers in planning and controlling the affairs of organizations. Does not count toward major or CPA requirements.

ACG 3103 FINANCIAL ACCOUNTING I (3)
PR: ACG 2011. Theory and methodology underlying financial reporting, including the conceptual framework, the accounting process, financial statements, accounting changes, present value applications, and current assets.

ACG 3113 FINANCIAL ACCOUNTING II (3)
PR: ACG 3103. Continuation of ACG 3103. Topics covered include property, plant and equipment, intangibles, current liabilities, long-term debt, stockholders' equity, earnings per share computations, and investments.

ACG 3341 COST ACCOUNTING AND CONTROL I (3)
PR: FIN 3403, QMB 3200. Deals with relevant costs for decision making, standards and job order costing, flexible budgeting, direct and absorption costing, regression analysis and decision models.

ACG 3401 ACCOUNTING INFORMATION SYSTEMS (3)

ACG 4123 FINANCIAL ACCOUNTING III (3)
PR: ACG 3113. Theory and practice underlying revenue recognition, income tax allocation, leases, postretirement benefits, error analysis, statements of cash flows, full disclosure, and other current accounting topics.

ACG 4201 FINANCIAL ACCOUNTING IV (3)

ACG 4351 COST ACCOUNTING AND CONTROL II (3)
PR: ACG 3341. Further development of the material covered in ACG 3341 with special emphasis on cost allocation issues and accounting in the new manufacturing environment.

ACG 4501 NONPROFIT ORGANIZATION ACCOUNTING (3)

ACG 4621 COMPUTER CONTROL AND AUDIT (3)
PR: ISM 3113. Study of information systems controls and auditing techniques emphasizing the effect both general and specific controls have on asset protection, data integrity, system effectiveness and efficiency in computerized business environments. Students who complete this course will not receive credit for ISM 4320.

ACG 4632 AUDITING I (3)
PR: ACG 3113, ACG 3401, and QMB 3200. Principles and procedures of internal and public auditing. The ethics, responsibilities, standards, and reports of professional auditing.

ACG 4642 AUDITING II (3)
PR: ACG 4632. Further development of material covered in ACG 4632, with special emphasis on additional reporting topics and audit techniques not previously addressed.

ACG 4801 CONTEMPORARY ACCOUNTING THOUGHT (3)
PR: Intermediate Accounting II or equivalent. An in-depth coverage of selected topics in accounting. Emphasis is placed on current significant developments that have taken place in the profession which the student should have for a well-rounded background in accounting but have not been exposed to in previous courses. Available to majors and non-majors.

ACG 4901 INDEPENDENT STUDY (1-3)
PR: Consent of Director. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 credit hours. (S/U only.)

ACG 4911 INDEPENDENT RESEARCH (1-4)
PR: Consent of Director. Individual study contract with instructor and director required. The research project will be mutually determined by the student and instructor. May be repeated up to 8 hours.

ACG 4931 SELECTED TOPICS IN ACCOUNTING (1-4)
PR: CI. The course content will depend on student demand and instructor's interest.
AGC 5935 SELECTED TOPICS IN ACCOUNTING (1-4)
PR: CI. To allow advanced undergraduate students and graduate students to research and study contemporary and emerging topics in the field. May be repeated up to 6 credit hours.

TAX 4001 FEDERAL TAXES I (3)
PR: ACG 2011. An introduction to the federal income tax structure. Use of tax services and the concept of taxable income primarily applicable to individuals.

TAX 4011 FEDERAL TAXES II (3)
PR: TAX 4001. Advanced study of the federal income tax structure. Special topics and the concept of taxable income as it applies primarily to business enterprises.

ECONOMICS

ECO 1003 BASIC ECONOMICS -SS (3)
Survey of Economic principles and issues. Scarcity, choice, markets, prices, the monetary system, unemployment, inflation, international trade and finance. (No credit after completing ECO 2023/2013. No credit toward the major or minor in Economics.

ECO 2023 ECONOMIC PRINCIPLES (3)

ECO 2503 ECONOMIC PRINCIPLES (MICROECONOMICS) -SS (3)
Introduction to the theory of price determination. How an economy decides what to produce, how to produce and how to distribute goods and services.

ECO 2935 SELECTED TOPICS IN ECONOMICS (1-3)
PR: CI. Topics selected by department. May be repeated if topics vary. Not available for credit to upper-level students admitted to the College of Business.

ECO 3101 INTERMEDIATE PRICE THEORY (3)
PR: ECO 2023. The price system and allocation of scarce resources between competing uses.

ECO 3203 INTERMEDIATE INCOME & MONETARY ANALYSIS (3)
PR: ECO 2023 and ECO 3101 with a grade of "C" or better. Determination of income, employment, prices, and interest rates. Aggregate demand and aggregate supply.

ECO 3622 AMERICAN ECONOMIC HISTORY (3)
PR: ECO 2023. Growth and evolution of American economic institutions from Colonial times to the present.

ECO 3703 INTERNATIONAL ECONOMICS (3)
PR: ECO 3101 with a grade of "C" or better. Role of international trade in the U.S. economy. Gains from trade, balance of payments, exchange rate determination, balance of payments stability and international commercial policy.

ECO 4213 MONETARY THEORY (3)

ECO 4303 HISTORY OF ECONOMIC THOUGHT (3)
PR: ECO 3101 with a grade of "C" or better. Development of economic thought from Plato to Marshall.

ECO 4323 MARXIST POLITICAL ECONOMY (3)
PR: ECO 2013 or CI. The Marxist school of thought in economics. Application of Marxist theory to problems of advanced capitalist and socialist societies.

ECO 4401 INTRODUCTION TO MATHEMATICAL ECONOMICS (3)
PR: ECO 2013, QMB 3200, and MAC 3233 or CI. Mathematical models of optimizing behavior and economic equilibrium.

ECO 4504 PUBLIC FINANCE (3)

ECO 4713 INTERNATIONAL MONETARY RELATIONS (3)
PR: ECO 3203 Advanced analysis of international macroeconomic relationships. Foreign exchange market, international monetary system balance of payments.

ECO 4723 INTERNATIONAL COMMERCIAL POLICIES (3)
PR: ECO 3101 with a grade of "C" or better. Advanced analysis of international trade theory and commercial policy, international economic integration, multinational enterprise.

ECO 4905 INDEPENDENT STUDY (1-3)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 6 credit hours. (S/U only.)

ECO 4914 INDEPENDENT RESEARCH (1-3)
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.

ECO 4935 SELECTED TOPICS IN ECONOMICS (1-3)
PR: CI. Topics to be selected by the instructor or instructors on pertinent economic issues.

ECO 32303 LABOR ECONOMICS (3)
PR: ECO 3101 with a grade of "C" or better. Determinants of wage and employment levels; occupation, industrial and geographical wage differentials, union and public policy effects on labor markets; the economics of discrimination; inflation and unemployment.

ECO 3413 BUSINESS-GOVERNMENT RELATIONSHIPS (3)

ECO 3530 ECONOMICS OF HEALTH (3)
PR: ECO 3101 with a grade of "C" or better. Application of economic methods of health care topics. Demand for medical care, public and private health insurance; physician and hospital supply of medical care; government regulations and national healthcare systems.

ECO 3603 ECONOMICS OF THE URBAN ENVIRONMENT (3)

ECO 4232 COLLECTIVE BARGAINING AND PUBLIC POLICY (3)
PR: ECO 2023 or CI. Administration of labor management agreements. Impact of the government role in collective bargaining and labor relations.

ECO 4451 LAW AND ECONOMICS (3)
PR: ECO 3101 with a grade of "C" or better. Advanced analysis of the economic impact of tort, criminal, property and contract law as well as the formation and adjudication of law.

ECO 3013 ECONOMIC DEVELOPMENT (3)
PR: ECO 2013 or CI. Economic development in emerging nations.

ECO 4003 COMPARATIVE ECONOMIC SYSTEMS (3)
PR: ECO 2013 or CI. The major economic systems: traditional, capitalism, democratic socialism, communism and fascism.

FINANCE

FIN 2104 PERSONAL FINANCE (3)
Survey of the problems and techniques of personal financial planning. Includes consumer credit, insurance, home ownership, and personal investing, with attention given to current economic and legal constraints. Not available for credit to upper-level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA.

FIN 2107 INTRODUCTION TO INVESTMENTS (3)
Emphasizes the operations of the security markets in the U.S. and the risks and returns of alternative investment media. Designed for non-business administration students. Not available for credit to upper level students who have been admitted to the College of Business. May not be counted toward major requirements in FIN or GBA.

FIN 2935 SELECTED TOPICS IN FINANCE (1-6)
PR: CI. Topics to be selected by department chairs. May be repeated if topics vary. Not available for credit to upper-level students who have been admitted to the College of Business Administration. May be repeated up to 6 credit hours.

FIN 3233 MONEY AND BANKING (3)
PR: ECO 2013. Examines the structure and operations of our monetary system, commercial banking, central banking, money, financial institutions, and macroeconomic policy.

FIN 3403 PRINCIPLES OF FINANCE (3)
PR: ACG 2011 and ECO 2023. Study of the processes, decisions structures, and institutional arrangements concerned with the use and acquisition of funds by a firm. Includes the management.
of the asset and liability structure of the firm under certain and risky situations. The financial decision process will include and recognize the international as well as domestic aspects of financial management.

FIN 3004 INTERNATIONAL FINANCE (3)
PR: ECO 2013 or CI. Study of factors affecting international business, assessment of risks, international managerial finance; institutions and instruments of international business finance.

FIN 4245 FEDERAL RESERVE SYSTEM AND MONETARY POLICY (3)
PR: FIN 3233 or CI. An analysis of the Federal Reserve System, with special emphasis on monetary theory and the formulation and administration of monetary policy.

FIN 4303 FINANCIAL INSTITUTIONS (3)
PR: FIN 3233. A study of financial institutions and their roles in the capital market includes the savings allocation, investment, and financial decision making processes.

FIN 4324 BANK MANAGEMENT (3)
PR: FIN 3403 and FIN 3233. Application of traditional finance concepts to the management of commercial banks with emphasis on decision making and problem solving techniques to major problems in banking.

FIN 4412 WORKING CAPITAL MANAGEMENT (3)
PR: FIN 3403. This course is designed to provide the student with an understanding of short-term financial management. Topics to be covered include cash management, credit and collection policy, inventory decisions, and sources of short-term financing.

FIN 4414 ADVANCED CORPORATION FINANCE (3)
PR: FIN 3403. An examination of the financial policies of corporations, with special reference to dividend policy, financial structure, capital expenditures, acquisitions, mergers, and reorganization.

FIN 4443 FINANCIAL POLICIES AND STRATEGIES (3)
PR: FIN 4414. A senior seminar for majors in Finance. Primarily a case course examining financial policies and the application of financial analysis to alternative strategies.

FIN 4504 PRINCIPLES OF INVESTMENTS (3)
PR: ECO 2013 and FIN 3403. Survey of the risks and returns of investment media in relation to the investment objectives of individual and institutional investors. Includes an examination of the capital markets, information flows, and analytical techniques in terms of their impact upon the valuation process.

FIN 4514 ADVANCED INVESTMENT ANALYSIS AND MANAGEMENT (3)
PR: FIN 4504. A comprehensive survey of security analysis and portfolio management. The course will utilize a quantitative approach to investment selection and management.

FIN 4905 INDEPENDENT STUDY (1-3)
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to six credit hours. (S/U only)

FIN 4915 INDEPENDENT RESEARCH (1-3)
PR: CI. Individual study contract with instructor and department chairperson. The research project will be mutually determined by the student and instructor. May be repeated up to 6 hours.

FIN 4934 SELECTED TOPICS IN FINANCE (1-3)
PR: CI. Topics to be selected by instructor and department chairperson on pertinent Finance issues.

REE 3043 PRINCIPLES OF REAL ESTATE (3)
Economics of urban land utilization and the nature of property rights. Problems of urban development and the valuation of real property in terms of the structure and operations of the real estate market.

REE 3703 REAL ESTATE LOCATION THEORY AND URBAN DEVELOPMENT (3)
PR: ECO 2023. The spatial determinants of real property demand and residential parcel values for market feasibility, risk analysis, real estate market forecasting.

REE 4103 REAL ESTATE APPRAISAL (3)
PR: REE 3043. Comprehensive coverage of the basic concepts and principles of real estate appraisal. Emphasis placed on the use of valuation tools for the appraisal of real estate with emphasis on residential property.

REE 4143 INCOME PROPERTY VALUATION (3)
PR: REE 3043 and FIN 3403. Application of general appraisal methodologies and financial analysis to the valuation of income producing aspects of real estate.
ISM 4905 INDEPENDENT RESEARCH  
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

MAN 5404 OPERATIONS MANAGEMENT: A SYSTEMS APPROACH  
PR: ISM 3431 or equivalent. Studies the problems of "operations" in all types of enterprises in both the public and private sectors. Emphasis is placed on the application of various decision science methodologies to problem situations.

MAN 4504 OPERATIONS PRODUCTION SYSTEMS  
PR: MAN 4504 or CI. Study of closed loop production planning and control systems. Master production planning, inventory management, materials requirements planning, capacity, management, production activity. Relationship to organizational effectiveness.

QMB 2150 BUSINESS AND ECONOMICS STATISTICS I - 6A - QM  
PR: MAC 3233. Description of sample data; calculation of probabilities, frequency functions of random variables, the binomial and normal distributions; sampling theory and estimation; test of hypotheses; elements of Bayesian decision theory.

QMB 3200 BUSINESS AND ECONOMIC STATISTICS II  
PR: MAC 3233, QMB 2150. Theory and use of statistical inference. Point and interval estimations; criteria for choosing estimators and decision rules; hypotheses tests; analysis of variance; correlation; multiple regression; and nonparametric methods.

QMB 4600 QUANTITATIVE APPROACH FOR BUSINESS DECISIONS  
PR: ISM 3431. The use of systematic approaches and management science tools for decision making and problem solving in an organizational setting. Emphasis is on quantitative approaches for problem identification, analysis, choice and implementation.

ISM 3431 MANAGEMENT SCIENCE PRODUCTION/OPERATIONS MANAGEMENT APPLICATIONS  
PR: MAC 3233. Fundamentals of production operations management (POM) and fundamentals of management science (MS). The application of MS models in the solution of POM problems.

ISM 4212 DATABASE ADMINISTRATION  

ISM 4220 DISTRIBUTED INFORMATION SYSTEMS  
PR: ISM 3113. Analysis, design, implementation and management of distributed information systems and networks.

ISM 4290 SENIOR SEMINAR IN INFORMATION SYSTEMS  
PR: ISM 3113, ISM 4320. A seminar covering advanced topics in systems management, analysis and design. Applications of these procedures to actual or hypothetical cases.

ISM 4320 INFORMATION SYSTEMS CONTROLS  
PR: MIS Major or CI. A study of information systems control and its application in system design and system management. Students who complete this course will not receive credit for ACG 4621.

ISM 4400 DECISION SUPPORT SYSTEMS APPLICATIONS-COMPUTER ASSISTED DECISION MAKING  
PR: FIN 3403, QMB 3200, and ISM 3113. Study of the principles of decision making in the human/computer alliance. Hands-on computer-assisted decision making in an organizational environment. Case studies and/or management games using micro-computers.

ISM 4905 INDEPENDENT STUDY  
PR: CI. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor.

QMB 2150 BUSINESS AND ECONOMICS STATISTICS I - 6A - QM  
PR: MAC 3233. Description of sample data; calculation of probabilities, frequency functions of random variables, the binomial and normal distributions; sampling theory and estimation; test of hypotheses; elements of Bayesian decision theory.

QMB 3200 BUSINESS AND ECONOMIC STATISTICS II  
PR: MAC 3233, QMB 2150. Theory and use of statistical inference. Point and interval estimations; criteria for choosing estimators and decision rules; hypotheses tests; analysis of variance; correlation; multiple regression; and nonparametric methods.

QMB 4600 QUANTITATIVE APPROACH FOR BUSINESS DECISIONS  
PR: ISM 3431. The use of systematic approaches and management science tools for decision making and problem solving in an organizational setting. Emphasis is on quantitative approaches for problem identification, analysis, choice and implementation.

ISM 3431 MANAGEMENT SCIENCE PRODUCTION/OPERATIONS MANAGEMENT APPLICATIONS  
PR: MAC 3233. Fundamentals of production operations management (POM) and fundamentals of management science (MS). The application of MS models in the solution of POM problems.

ISM 4212 DATABASE ADMINISTRATION  

ISM 4220 DISTRIBUTED INFORMATION SYSTEMS  
PR: ISM 3113. Analysis, design, implementation and management of distributed information systems and networks.

ISM 4290 SENIOR SEMINAR IN INFORMATION SYSTEMS  
PR: ISM 3113, ISM 4320. A seminar covering advanced topics in systems management, analysis and design. Applications of these procedures to actual or hypothetical cases.

ISM 4300 MANAGING INFORMATION SERVICES  
PR: MAN 3025 or ISM 3113; or equivalent. An advanced study of information system management including system planning, project selection and management, and organizational information management policies.

ISM 4320 INFORMATION SYSTEMS CONTROLS  
PR: MIS Major or CI. A study of information systems control and its application in system design and system management. Students who complete this course will not receive credit for ACG 4621.

ISM 4400 DECISION SUPPORT SYSTEMS APPLICATIONS-COMPUTER ASSISTED DECISION MAKING  
PR: FIN 3403, QMB 3200, and ISM 3113. Study of the principles of decision making in the human/computer alliance. Hands-on computer-assisted decision making in an organizational environment. Case studies and/or management games using micro-computers.
work to the cycle of planned change so as to build a more effective organization.

**MAN 4282 ORGANIZATIONAL ASSESSMENT**
PR: MAN 3240. (3) The analysis and measurement of factors which influence organizational effectiveness and the quality of work life. Data based cases will be used by students to assess managerial and supervisory skills and to measure organizational functioning and work design.

**MAN 4402 EMPLOYMENT LAWS**
Federal and state regulation of the employment relationship, including wage and hour laws; EEO; affirmative action programs; employee benefits; insurance; workers' compensation; safety, health, employee's personal rights; collective bargaining legislation.

**MAN 4430 SEMINAR IN NEGOTIATIONS AND ADMINISTRATION OF LABOR AGREEMENTS**
Case studies in contract negotiation, administration, grievance settlement, and arbitration. Assumes familiarity with industrial relations system.

**MAN 4802 ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT**
PR: ACC 2001, ACC 2021, MAR 3023, or Cl. Study of the factors involved in starting and managing a small-to-medium-sized business. Emphasis on conduct of pre-business feasibility study, startup of business, successful management of the firm, and options for succession or termination.

**MAN 4804 SMALL BUSINESS MANAGEMENT COUNSELING**
PR: ACC 2001, ACC 2021, MAR 3023. Field application in small business settings by (a) analyzing an on-going small business and developing recommendations for making improvements; or (b) conducting a feasibility study for a new enterprise and developing a strategy for implementation if favorable.

**MAN 4905 INDEPENDENT STUDY**
PR: Cl. Specialized independent study determined by the students needs and interests. May be repeated up to 8 credit hours. (S/U only.)

**MAN 4930 SELECTED TOPICS IN MANAGEMENT**
PR: Cl. Topics to be selected by instructor and department chairperson for pertinent Management issues.

**MAN 4931 INDEPENDENT RESEARCH**
PR: Cl. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 8 hours.

**MAN 4905 ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT COUNSELING**
Small business management consulting in an on-going firm. Field application of various aspects of business administration in analyzing strengths and weaknesses, development of recommendations for improvement, and initiation of steps to assist business principals in evaluation and implementation. Emphasis on developing management consulting skills and recognizing implications of small business owner-manager's capabilities and attitudes for success in implementing recommendations.

**MARKETING**

**MAR 2931 SELECTED TOPICS IN MARKETING**
PR: Cl. Topics to be selected by department chairman. May be repeated if topics vary. Not available for credit to upper-level students who have been admitted to the College of Business. May be repeated up to 8 credit hours.

**MAR 3023 BASIC MARKETING**
PR: ACC 2001, ECO 2013, ECO 2023, or Cl. Survey of the marketing of goods and services within the economy. Attention is paid to the impact of marketing on other functional areas of business as well as society.

**MAR 3400 PROFESSIONAL SELLING**
PR: MAR 3023 or Cl. A study of the stages of the professional selling process, and the role of sales in today's marketing environment. Emphasis on learning adaptive selling techniques and developing effective interpersonal communications skills. Sales careers are examined.

**MAR 3613 MARKETING RESEARCH**
PR: QMB 3200, MAR 3023. A study of research methods and techniques applicable to problem solving in marketing. Attention is also given to defining information needs, determining the value of information, interpreting and reporting information for use in marketing decision making.

**MAR 3823 MARKETING MANAGEMENT**
PR: MAR 3023. An applications oriented study of the marketing function at an intermediate level. Emphasis upon techniques for analysis and problem-solving. Builds upon the principles and concepts learned in MAR 3023, and provides a strong foundation for the remaining courses in the marketing curriculum.

**MAR 4156 INTERNATIONAL MARKETING**
PR: MAR 3023. A study of procedures and problems associated with establishing marketing operations in foreign countries. Includes the institutions, principles and methods involved in the solution of these business problems as well as the effects of national differences on business practices and buyer behavior.

**MAR 4203 CHANNELS MANAGEMENT**
PR: MAR 3023. A detailed study of marketing channels as a functional area of marketing management responsibility and as a part of marketing strategy. Attention is given to wholesaling and retailing and their structural, dynamic interrelationships including distribution logistics.

**MAR 4213 LOGISTICS AND PHYSICAL DISTRIBUTION MANAGEMENT**
PR: MAR 3023 or Cl. A study of logistics in the marketing of goods and services. Includes a description and analysis of the logistics environment as well as components of the physical distribution system with emphasis on information flows and the application of quantitative techniques used in establishing and controlling customer service levels.

**MAR 4231 RETAILING MANAGEMENT**
PR: MAR 3023. A comprehensive study of the retailing structure, institutions, and environment. Includes pertinent management theories and practices in analyzing, organizing, planning and controlling retail operations, both large and small.

**MAR 4403 SALES MANAGEMENT**
PR: MAR 3023 or Cl. A study of the role of promotion in the marketing program of the firm, including the promotional tools available to the marketing manager and the various types of decisions made in the promotional area. Decision making process in development of a promotional program is emphasized.

**MAR 4430 SALES MANAGEMENT**
PR: MAR 3023 or Cl. A study of sales management and strategy as a subset of marketing management. Emphasis is placed on developing the problem-solving and decision-making skills required of the sales manager in the modern market-oriented company.

**MAR 4453 BUSINESS MARKETING**
PR: MAR 3023. A study of the marketing of goods and services to the industrial and institutional sectors. Includes characteristics of the markets and channels of distribution, sales, management, research and promotional practices, marketing policies and strategies.

**MAR 4505 BUYER BEHAVIOR**
PR: MAR 3023. A study of the basic concepts of buyer behavior, including pre- and post-purchase attitudes and behavior patterns, information processing relating to the functional areas of marketing and the buyer's decision-making process. Managerial applications to marketing are emphasized.

**MAR 4914 MARKETING MANAGEMENT PROBLEMS**
PR: Senior Standing, MAR 3823, MAR 3613, and two other 4000 level marketing courses, or Cl. The integration of marketing knowledge applied to decision roles in managing the total marketing effort of firms, and coordination with other major functional areas on specific problems.

**MAR 4905 INDEPENDENT RESEARCH**
PR: Cl. Individual study contract with instructor and department chairperson required. The research project will be mutually determined by the student and instructor. May be repeated up to 6 credit hours.

**MAR 4933 SELECTED TOPICS IN MARKETING**
PR: Cl. Topics to be selected by instructor and department chairperson.
COLLEGE OF EDUCATION

UNIVERSITY OF SOUTH FLORIDA - 1994/95 UNDERGRADUATE CATALOG

ADULT AND VOCATIONAL EDUCATION


CHILDHOOD/LANGUAGE ARTS/READING EDUCATION


EDUCATIONAL LEADERSHIP


EDUCATIONAL MEASUREMENT AND RESEARCH


PHYSICAL EDUCATION


PSYCHOLOGICAL AND SOCIAL FOUNDATIONS


SECONDARY EDUCATION


SPECIAL EDUCATION


ADULT EDUCATION

ADE 4384 WORKING WITH THE ADULT LEARNER:

ADULT EDUCATION

(3)

An investigation of the needs of the adult learner. Identification of principles of adult learning; physiological, psychological and social characteristics of adult learners, and corresponding implications are explored.

ART EDUCATION

ARE 3044 EXPERIENTIAL BASIS OF ARTISTIC MIND

(3)

PR: Admission to College of Education. Designed to help the individual student discover and develop meanings and values in art and education with emphasis on communicative skills, both verbal and visual. Focus will be on the individual and potential alternatives in the teaching of art.

ARE 3354 ART TEACHING STRATEGIES I

(3)

PR: Admission to College of Education and ARE 3044. A combination of theory, philosophy and practice in both public and private learning centers to provide the student with a variety of teaching concepts and media exploration in art education and to further enable the student to understand stages of young people, three to eighteen.

ARE 4112 EDUCATION THROUGH CRAFTS

(3)

An in-depth study of arts and craft media for children. Emphasis will be placed on innovative use of new materials and curriculum in school restructuring.

ARE 4440 ART TEACHING STRATEGIES II

(3)

Media and the learning process will be explored through photographic arts, cinematography and video systems. Teaching strategies and media criticism for application at elementary and secondary levels.

ARE 4443 CRAFTS WORKSHOP IN ART EDUCATION

(3)

PR: Admission to College of Education and ARE 3044. The study and practice of processes and media involved with the exploration and expression of cultural traditions and individual ideas through crafts.

ARE 4642 COMMUNITY ARTS

(3)

PR: Admission to College of Education and ARE 3044. Identification, exploration, and experimentation with unique community spaces and populations as potential new environments for teaching and learning.

ARE 4909 DIRECTED STUDY: ART EDUCATION

(1-3)

PR: Senior standing. To extend competency in teaching field.

ARE 4936 SENIOR SEMINAR IN ART EDUCATION

(2)


ARE 4940 INTERNSHIP: ART EDUCATION

(1-12)

CR: ARE 4936. One full semester of internship in a public or private school. In special programs where the internship is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours. (S/U only.)

BUSINESS AND OFFICE EDUCATION

BTE 4401 SPECIAL TEACHING METHODS:

BUSINESS EDUCATION

(4)

PR: Successful completion of BE competencies, or Cl. Methods, techniques, and materials for skill development.

BTE 4410 METHODS OF TEACHING: BUSINESS EDUCATION

(4)

PR: Successful completion of BE competencies, or Cl. Methods, techniques and materials for instruction.

BTE 4909 DIRECTED STUDY: BUSINESS EDUCATION

(1-3)

PR: Senior standing. To extend competency in teaching field.

BTE 4936 SENIOR SEMINAR IN BUSINESS AND OFFICE EDUCATION

(2)


BTE 4940 INTERNSHIP: BUSINESS EDUCATION

(1-12)

CR: BTE 4936. One full semester of internship in a public or private school. In special programs where the internship is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 semester hours. (S/U only.)
BTE 4948 FIELD-BASED SEMINAR IN BUSINESS EDUCATION (3)
Supervised field experience and orientation to broad field business education. Specifically designed to be preparatory for the internship. (S/U only.)

BTE 5161 PROGRAM MANAGEMENT: BUSINESS EDUCATION (3)
Organization, coordination, and budgeting of adult, cooperative, and special programs.

BTE 5171 CURRICULUM CONSTRUCTION: BUSINESS EDUCATION (3)
Curriculum scope, the process of planning and organizing instructional programs with emphasis in task analysis and process evaluation.

COMPUTERS IN EDUCATION
EME 4402 INTRODUCTION TO COMPUTERS IN EDUCATION (2)
Introduction to microcomputer technology and its function in the classroom. Emphasis on the teaching and learning processes. Topics include the critical evaluation of educational software; conceptualizing uses of computers in the classroom in terms of computer-directed instruction, computer-enhanced instruction, and computer-managed instruction; understanding hardware; using and applying commercial courseware, general applications software (word processors, database managers, etc.), and disk operating systems.

CURRICULUM AND INSTRUCTION
EDG 1300 INTRODUCTION TO TEACHING (3)
PR: Freshman only or CI. The people with whom teachers work, the types of tasks they perform and the challenges they can anticipate. Observation of teaching at several grade levels.

EDG 4620 CURRICULUM AND INSTRUCTION (3)
An introduction to the field of curriculum and instruction. Emphasis is placed on principles of curriculum development use of instructional strategies. Students will develop, implement, and evaluate a variety of lesson plans.

DISTRIBUTIVE AND MARKETING EDUCATION
DEC 4181 PROGRAM MANAGEMENT OF DISTRIBUTIVE AND MARKETING EDUCATION (3)
The purposes, processes, organization, planning, directing, coordinating and evaluation of Distributive and Marketing Education Cooperative Programs.

DEC 4401 SPECIAL TEACHING METHODS: DISTRIBUTIVE EDUCATION (4)
Methods, techniques, and materials for skill development.

DEC 4411 METHODS OF TEACHING: DISTRIBUTIVE EDUCATION (3)
Methods, techniques, and materials for instruction.

DEC 4905 INDEPENDENT STUDY: DISTRIBUTIVE AND MARKETING EDUCATION (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

DEC 4936 SENIOR SEMINAR IN DISTRIBUTIVE AND MARKETING EDUCATION (2)

DEC 4940 INTERNSHIP: DISTRIBUTIVE AND MARKETING EDUCATION (1-12)
CR: DEC 4936. One full semester of internship in a public or private school. CR: DEC 4940. One full semester of internship in a public or private school. In special programs where the internship experience is distributed over two or more semesters students will be registered for credit which accumulates from 9 to 12 semester hours. (S/U only.)

DEC 4941 SUPERVISED FIELD EXPERIENCE: DISTRIBUTIVE EDUCATION (1-6)
PR: CI. Planned supervised functions in the area of specialization and coordinated with selected schools, government offices, social agencies, businesses and industries on site.

DEC 5165 PROGRAM MANAGEMENT: DISTRIBUTIVE EDUCATION (3)
Organization, coordination, and budgeting of adult, cooperative, and special programs.

EARLY CHILDHOOD EDUCATION
EEC 2000 INTRODUCTION TO EARLY CHILDHOOD EDUCATION (3)
An overview of early childhood education with emphasis on its historical development, current theories, and practices.

EEC 4203 PROGRAMS FOR YOUNG CHILDREN (3)
PR: Admission to College of Education. A study of school programs for children age 3-8. Analysis and evaluation of these programs in the light of the most effective current classroom practices. Observation and participation included.

EEC 4303 CREATIVE AND AFFECTIVE EXPERIENCES FOR YOUNG CHILDREN (3)
PR: Admission to College of Education. The development of the child's creative expression through art, music, dance, play, and drama; included are the materials, content, and teaching techniques.

EEC 4706 LANGUAGE AND EMERGING LITERACY (3)
PR: Admission to College of Education. The study of the acquisition of language in young children and the development of basic communications skills in the Language Arts Curriculum, infancy through age 8 years.

EEC 4905 INDEPENDENT STUDY: ELEMENTARY EARLY CHILDHOOD EDUCATION (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

EEC 4909 DIRECTED STUDY: ELEMENTARY EARLY CHILDHOOD EDUCATION (1-3)
PR: Senior standing. To extend competency in teaching field.

EEC 4910 SENIOR SEMINAR IN ELEMENTARY EARLY CHILDHOOD EDUCATION (2)

EEC 4940 INTERNSHIP: ELEMENTARY/ ELEMENTARY- EARLY CHILDHOOD EDUCATION (3)
CR: EEC 4936. Teacher candidate is required to demonstrate professional competencies during one semester of full-time internship in a public or private elementary school. (S/U only.)

ELEMENTARY EDUCATION
ARE 4313 ART FOR THE CHILD AND YOU (3)
PR: Admission to College of Education. Art and the intellectual, creative, emotional, and aesthetic growth of children.

EDE 4301 TEACHING METHODS IN THE ELEMENTARY SCHOOL (4)
PR: EDE 4941 and EDE 4620. Techniques and strategies appropriate to instruction of children in educational settings.

EDE 4905 INDEPENDENT STUDY: ELEMENTARY EDUCATION (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

EDE 4909 DIRECTED STUDY: ELEMENTARY EDUCATION (1-4)
PR: Senior standing. To extend competency in teaching field.

EDE 4936 SENIOR SEMINAR IN ELEMENTARY EDUCATION (2)
PR: Senior standing; CR: EDE 4940. Synthesis of teacher candidate's courses in complete college program.

EDE 4940 INTERNSHIP: ELEMENTARY EDUCATION (3)
PR: EDE 4941 and EDE 4942; CR: EDE 4936. Teacher candidate is required to demonstrate professional competencies during one semester of full-time internship in a public or private elementary school. (S/U only.)

EDE 4941 ELEMENTARY EDUCATION INTERNSHIP LEVEL I (4)
PR: Admission to the Elementary Education. CR: RED 4310, EDE 4620. Students spend six hours per week in a supervised in-school experience and attend weekly seminar. Concurrent enrollment in EDE 4620-Elementary section. (S/U only.)

EDE 4942 ELEMENTARY EDUCATION INTERNSHIP LEVEL II (6)
PR: EDE 4941, RED 4310, EDE 4620, EDE 3122, LAE 4314, EDE 4301, MAE 4310, SCE 4310, LAE 4414, SSE 4313, EME 4402. Students spend 12 hours per week in a supervised internship experience in classroom settings and attend a weekly seminar.

HLP 4722 HEALTH AND PHYSICAL EDUCATION FOR THE CHILD (3)
PR: Admission to the College of Education. A study of the importance of movement competency and its contribution to the development of a positive self-concept in children; content and methodology for developing appropriate movement experiences for children; content and methodology for teaching elementary health science.

LAE 4314 LANGUAGE ARTS IN EARLY CHILDHOOD EDUCATION (3)
PR: Admission to the College of Education. Implementing a coordinated and integrated language arts curriculum and guiding the developmental language experiences of children in
elementary school. Explores the content, organization, and instruction of oral and written expression in childhood education.

LAE 4414 LITERATURE IN CHILDHOOD EDUCATION - X/LW (3) PR: Admission to College of Education and two college level mathematics courses. The selection, evaluation and use of fiction, nonfiction and poetry for instructional, informational, and recreational purposes in Childhood Education.

MAE 4310 TEACHING ELEMENTARY SCHOOL MATHEMATICS I (3) PR: Admission to College of Education and two college level mathematics courses. Methods for teaching number ideas, computation skills, and mathematical reasoning.

MAE 4326 TEACHING ELEMENTARY SCHOOL MATHEMATICS II (2) PR: MAE 4310. Methods for teaching informal geometry, measurement, probability and statistics.

MAE 4510 DIAGNOSIS AND TREATMENT OF LEARNING DISABILITIES IN SCHOOL MATHEMATICS (3) PR: MAE 4310 or equivalent. Presentation and analysis of methods and models for use with students experiencing learning disabilities in mathematics; supervised conduct of a case study.

MUE 4210 MUSIC FOR THE CHILD (3) PR: Admission to Elementary or Early Childhood Programs, RED 4310. CR: EDG 4620. Foundations of literacy, learning principles, and instructional strategies necessary to provide literacy instruction to emergent, novice, and transitional readers and writers.

RED 4310 READING FOR THE CHILD (3) PR: Admission to College of Education. Prereading, word recognition, comprehension and basic study skills and various reading approaches and reading interests.

SCE 4310 TEACHING ELEMENTARY SCHOOL SCIENCE (3) PR: Admission to College of Education and completion of General Distribution Requirements in the Natural Science area. Techniques and materials for teaching science in the elementary school.

SSE 4313 TEACHING ELEMENTARY SCHOOL SOCIAL STUDIES (3) PR: Admission to College of Education or Cl. Methods of planning and teaching subjects related to the study of people and their relationships with other people and their environment.

ENGLISH EDUCATION

LAE 4325 METHODS OF TEACHING ENGLISH: MIDDLE SCHOOL (3) Whole language methods of integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for middle school students. Must be taken one or two semesters prior to internship. Either this course or LAE 4642 must be taken concurrently with LAE 4530.

LAE 4464 ADOLESCENT LITERATURE FOR MIDDLE AND SECONDARY STUDENTS - X/LW (3) PR: English Education majors or Cl. A study of the types of literature read by adolescents with an emphasis upon the criteria for the choice of books and knowledge of available books and teaching materials. Should be taken 2 semesters prior to internship with either LAE 4325 or LAE 4642.

LAE 4530 METHODS OF TEACHING ENGLISH: PRACTICUM (3) PR: Senior standing or enrollment in Plan II Master's Program. Required concurrently with LAE 4325 or LAE 4642. Taken one semester (spring or fall) prior to internship.

LAE 4642 METHODS OF TEACHING ENGLISH: HIGH SCHOOL (3) Whole language methods of integrating reading, writing, speaking, listening, viewing, and critical thinking activities into a literature-based program for high school students. Must be taken one or two semesters prior to internship. Either this course or LAE 4325 must be taken concurrently with LAE 4530.

LAE 4905 INDEPENDENT STUDY: ENGLISH EDUCATION (1-4) PR: Cl. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

LAE 4950 SENIOR SEMINAR IN ENGLISH EDUCATION (2) PR: Senior standing. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.

LAE 4940 INTERNSHIP: ENGLISH EDUCATION (1-12) One full semester of internship in a public or private school. Intern takes Senior Seminar in English Education concurrently. This course may be included.

LAE 5932 SELECTED TOPICS IN THE TEACHING OF ENGLISH (3) PR: Certification in English and/or Mass Communications and approval of graduate advisor. Investigation of topics which are of special interest to the student and are related to the teaching of English in the secondary school. Topics will be selected by the student in accordance with his particular goals and will be approved by the student's graduate advisor.

FOREIGN LANGUAGE EDUCATION

FLE 4314 FOREIGN LANGUAGE TEACHING IN THE ELEMENTARY SCHOOL (3) PR: EDG 4620 or concurrent registration. Fluency in target language and in English. Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom.

FLE 4333 FOREIGN LANGUAGE TEACHING IN THE SECONDARY SCHOOL (3) PR: FLE 4314. Fluency in the target language and in English (or CC). Methods of teaching foreign languages within a communicative framework. Includes examination and practice of current instructional techniques in listening, speaking, reading and writing, testing, error correction, and computer assisted language instruction. The emphasis is on teaching foreign languages and teaching for cultural understanding at the secondary level 7-12.

FLE 4370 PRACTICUM IN FOREIGN LANGUAGE TEACHING IN THE SECONDARY SCHOOL (3) PR: Senior standing or enrollment in Plan II Master's Program or Cl. Required concurrently with FLE 4314 or FLE 4333. Fluency in the target language and in English. Preinternship field experience in a K-12 environment. Will include observation and practice in a K-12 classroom as well as class meetings.

FLE 4936 SENIOR SEMINAR IN FOREIGN LANGUAGE EDUCATION (2) PR: Senior standing. Synthesis of teacher candidate's courses in complete college program. Required concurrently with internship.

FLE 4940 INTERNSHIP: FOREIGN LANGUAGE EDUCATION (1-12) One full semester of internship in a public or private school. Intern takes Senior Seminar in Education concurrently. Offered only as a scheduled class.

EDUCATION - GENERAL

EDG 4909 DIRECTED STUDIES (3) PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

INDUSTRIAL AND TECHNICAL EDUCATION

EIA 3192 TECHNOLOGY EDUCATION AND SOCIETY (4) Introduction to programs, facilities and opportunities in teaching technology education. Includes historical, current and futuristic implications of technology in society.

EIA 4360 SPECIAL TEACHING METHODS: TECHNOLOGY EDUCATION (3) Equips Technology Education instructors with professional competencies for classroom and laboratory settings. Includes the selection of appropriate methods, planning, and delivery of instruction, along with supervision of students in laboratory areas.

EIV 4210 PROGRAM MANAGEMENT: INDUSTRIAL-TECHNICAL EDUCATION (4) PR: Cl. Planning, organizing, motivating and controlling of the learning environment in Industrial-Technical Education Classroom and Laboratories. Program standards for OSHA, program review, record keeping, and budgeting will be examined.

EIV 4314 METHODS OF TEACHING: DIVERSIFIED COOPERATIVE TRAINING (3) Methods, techniques, and materials for instruction. This course specializes in Diversified Cooperative Training.

EIV 4360 SPECIAL TEACHING METHODS: INDUSTRIAL-TECHNICAL EDUCATION (4) PR: ETV 4365 or Cl. Instructional techniques in industrial-technical education. Vocational Industrial Clubs of America activities may be included.

EIV 5315 PROGRAM MANAGEMENT: DIVERSIFIED COOPERATIVE TRAINING (3) Organization, coordination, and budgeting of adult, cooperative, and special programs.
EVT 3060 THE TEACHER IN THE WORLD OF WORK
A study of educational efforts in preparing people for work, the relationship of a job to one's life style, and the concept of education as a life-long process.

EVT 4082C TEACHING IN INDUSTRIAL-TECHNICAL EDUCATION
An overview of the ITE instructor's roles and responsibilities concerning students, the school and the community and a look at the organization of vocational education, liability, and professionalism.

EVT 4065 HISTORY AND PRINCIPLES OF VOCATIONAL EDUCATION
An overview of current policies and principles in vocational education including their historical, sociological, and philosophical bases. Open to majors and non-majors.

EVT 4084C PROFESSIONAL DEVELOPMENT IN INDUSTRIAL TECHNICAL EDUCATION
Designed for the ITE teacher in forming plans of professional development. Competencies include the development of a personal education philosophy; attributes in creating harmonious school community relationships; and desirable staff and teacher associations.

EVT 4165 CURRICULUM CONSTRUCTION: INDUSTRIAL-TECHNICAL EDUCATION
PR: EVT 4360 or Cl. Design, development, implementation and evaluation of effective curricular materials in industrial, technical and health related occupations; includes individualized and self-paced materials. Open to majors and non-majors.

EVT 4263 ORGANIZATION AND ADMINISTRATION OF STUDENT VOCATIONAL ORGANIZATIONS
Includes the organization and administration of the local student vocational organization in industrial, health occupations, business and distributive education.

EVT 4365 BASIC TEACHING METHODS IN VOCATIONAL EDUCATION
Examines the role of the vocational instructor in the teaching-learning process; looks at factors that promote and inhibit learning. Reviews a wide variety of instructional approaches, techniques and methods; includes selection of techniques for situations.

EVT 4367 ASSESSING STUDENT SKILL IN INDUSTRIAL TECHNICAL EDUCATION
PR: EVT 4365. Techniques for assessing student's mastery of skills in industrial/technical education. Focuses on specific competencies including developing and administering performance tests, monitoring student process, and others. Open to majors and non-majors.

EVT 4368 VOCATIONAL EDUCATION FOR SPECIAL NEEDS STUDENTS
PR: EVT 4365. Focuses on modifying the vocational education curriculum, laboratory, shop, student outcomes, learning activities, tests, media, etc. to accommodate the unique learning needs of minority, handicapped, disadvantaged, non-traditional students. Open to majors and non-majors.

EVT 4651 EQUITY IN SCHOOLS AND THE WORKPLACE - XMW
Issues related to gender equity in schools and the workplace. Includes legal, ethical, psychological, sociological, and economic factors; males and females in traditional and non-traditional occupations.

EVT 4905 INDEPENDENT STUDY: INDUSTRIAL-TECHNICAL EDUCATION
PR: Cl. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

EVT 4909 DIRECTED STUDY: INDUSTRIAL-TECHNICAL EDUCATION
PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

EVT 4936 SENIOR SEMINAR IN INDUSTRIAL-TECHNICAL EDUCATION
PR: Senior standing; cr: EVT 4940. Synthesis of teacher candidate's courses in complete college program.

EVT 4940 INTERNSHIP: INDUSTRIAL-TECHNICAL EDUCATION
CR: EVT 4936. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9-12 semester hours. (S/U only.)

EVT 4946 SUPERVISED FIELD EXPERIENCE: INDUSTRIAL-TECHNICAL EDUCATION
PR: Cl. Planned supervised function in the area of specialization and co-ordinated with selected schools, government, offices, social agencies, businesses and industries on site. (S/U only.)

EVT 5369 PREPARATION AND DEVELOPMENT FOR TEACHING
The development of selected instructional materials, use of new educational media, performance evaluation instruments, and counseling techniques.

EVT 5664 SCHOOL COMMUNITY DEVELOPMENT
This course is an approach to identifying, assessing, and analyzing, individual, institutional and community needs for the purpose of cooperative program planning, community involvement and public support.

MATHMATICS EDUCATION
CGS 4010 COMPUTERS IN MATHEMATICS EDUCATION
PR: Cl. Admission to mathematics education program. Operation of computers. Basic and Logic languages. Examination and evaluation of software appropriate for teaching mathematics.

MAE 4320 TEACHING MATHEMATICS IN THE MIDDLE GRADES
PR: 18 semester hours of mathematics or Cl. Techniques and materials of instruction in middle grades mathematics topics. Prerequisites are six semester hours in middle schools.

MAE 4330 TEACHING SENIOR HIGH SCHOOL MATHEMATICS
PR: MAE 4320 and admission to teacher education program in mathematics. Techniques and materials of instruction in mathematics. Students are expected to observe 20 hours in high schools.

MAE 4551 READING THE LANGUAGE OF MATHEMATICS
Consideration of issues related to the communication of mathematics, including reading and writing mathematics and solving verbal problems.

MAE 4905 INDEPENDENT STUDY: MATHEMATICS
PR: Senior Standing. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary.

MAE 4909 DIRECTED STUDY: MATHEMATICS EDUCATION
PR: Senior Standing. To extend competency in teaching field.

MAE 4936 SENIOR SEMINAR IN MATHEMATICS EDUCATION

MAE 4940 INTERNSHIP: MATHEMATICS EDUCATION
CR: MAE 4936. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, student will be registered for credit which accumulates from 9 to 12 semester hours. (S/U only.)

MEASUREMENT AND RESEARCH
EDF 4430 MEASUREMENT FOR TEACHERS
PR: Upper level standing. Concepts and skills related to designing and developing classroom tests; evaluating tests, instruction, and student progress; and communicating student achievement. Including application of performance assessment techniques and computer applications for measuring and assessing pupil progress.

PHYSICAL EDUCATION-ELECTIVE
HLP 3081 PERSONAL WELLNESS: A LIFETIME COMMITMENT
An examination of the bases for adopting a positive health lifestyle with a major emphasis on diet, weight management, physical fitness, stress management, and substance-abuse management.

PEL 1121 GOLF I
Introductory experience in the sport of golf. Fundamental skills, information, strategy, and participation. (S/U only.)

PEL 1341 TENNIS I
Introductory experiences in the sport of tennis. Basic skills, playing strategies, lecture, demonstration, and participation. (S/U only.)
HLP 4941 WELLNESS INTERNSHIP (15) 
PR: CC. Completion of all curriculum requirements. Supervised performance in adult fitness and/or wellness programs. Full semester on-site. Open to Wellness Leadership Physical Education Majors only. (S/U only.)

HSC 2400 FIRST AID (2) 
Meets the American Red Cross certification requirements in standard and advanced first aid.

PEP 3951 PRACTICUM IN HEALTH PROMOTION/WELLNESS (4) 
PR: CI. Completion of Semesters I and II and admission to the College of Education. Practical experience as a professional in a community or worksite health promotion or wellness program. (S/U only.)

PEP 3951 COMMUNICATION SKILLS FOR WELLNESS LEADERS (3) 
PR: Completion of Semester I and II in Wellness Leadership track or completion of one semester in communication and skills in communication and counseling that is specific to wellness and health promotion.

PEQ 3101 AQUATICS (2) 
PR: Red Cross beginning swimmer's skills or equivalent. Includes analysis of swimming skills, teaching methodology, conducting class activities, and organizing and conducting aquatic programs.

PEQ 3170 AQUATIC EXERCISE (2) 
PR: CC. An instructor training course in aquatic exercise. Focuses on teaching aerobic, strength, flexibility, and weight control exercises performed in swimming pools. Open to non-majors.

PET 2000 INTRODUCTION TO PHYSICAL EDUCATION IN TODAY'S SOCIETY (3) 
PR: CI. An overview of the field of physical education, including the role of the physical education teacher and non-teaching career options. The role of play, sport, and physical education in today's society is emphasized and the competencies necessary to work in physical education are identified. (S/U only.)

PET 3010 PERSONAL/PROFESSIONAL DEVELOPMENT SEMINAR (3) 
PR: CC. Identification of personal and professional knowledge, skills, and attitudes necessary for successful professional practice of physical educators and wellness leaders. Introduction to career opportunities and the historical, philosophical, and sociological foundations of the profession. Development of a personal-professional development plan. Field work required. Majors only.

PET 3031 MOTOR DEVELOPMENT AND ASSESSMENT (3) 
PR: CC. Study of the assessment, evaluation and motor development performance of children and adolescents and application of principles of motor skills acquisition in physical education instruction. Open to non-majors.

PET 3080 SURVEY OF WELLNESS PROGRAM (3) 
PR: CC. An analysis of various types of wellness programs in the public and private sector including community-based programs, commercial health and fitness enterprises, government-based programs, corporate-based programs, and hospital health and fitness centers.

PET 3310 KINESIOLOGY (3) 
PR: CC. A study of the structure and function of the skeletal and muscular systems and of mechanical principles related to psycho-motor performance. Open to non-majors.

PET 3351 EXERCISE PHYSIOLOGY I (3) 
PR: CC. A study of the effects of physical activity on the body. Topics include acute and chronic adaptation of the cardiovascular, muscular, metabolic, hormonal, and energy systems to exercise. Open to non-majors.

PET 3421 CURRICULUM AND INSTRUCTION IN PHYSICAL EDUCATION (3) 
PR: CC. Development of knowledge and skills related to the instruction process of physical education. Preparation of materials and planning instruction.

PET 3422 INSTRUCTIONAL DESIGN AND CONTENT: MOVEMENT EXPERIENCES (3) 
PR: CC. This course develops a variety of motor skills and includes the study of systems for analyzing movement. It prepares students to plan and conduct movement experiences in a wide variety of educational settings.

PET 3441 INSTRUCTIONAL DESIGN AND CONTENT: MIDDLE SCHOOL PHYSICAL EDUCATION (3) 
PR: CC. The development of physical education content and instructional practices for middle school students. The focus is upon matching appropriate content and learning experiences to the unique needs of the pre- and early adolescent learner.

PET 3551 ADAPTED PHYSICAL EDUCATION (3) 
PR: CC. A study of characteristics, programming needs and teaching of physical education for students with disabilities.
PET 3799 CAREER DECISION-MAKING AND PROFESSIONAL ETHICS (1)
PR: CC. Teacher certification career decision-making activities. Monitor and continue personal-professional development plan developed in previous semester. Ethical practices for teachers. Taken concurrently with PET 3943.

PET 4141 TRENDS AND TASKS - ELEMENTARY PHYSICAL EDUCATION (3)
PR: CC. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters. Taken concurrently with Physical Education Internship: Elementary. Physical Education Majors only.

PET 4142 TRENDS AND TASKS - SECONDARY PHYSICAL EDUCATION (1)
PR: CC. Current trends are evaluated from a historical and philosophical perspective. Non-teaching tasks are identified as part of the professional role. Evaluate and continue personal-professional development plan developed in previous semesters. Taken concurrently with Physical Education Internship: Secondary. Physical Education Majors only.

PET 4304 PRINCIPLES AND ISSUES IN COACHING (3)
This application course in philosophy, psychology, sociology, and physiology to competitive athletics and coaching.

PET 4353 EXERCISE PHYSIOLOGY II (3)
PR: CC & PET 3352. A study of Exercise Physiology focusing on the adult. Includes specific populations such as the obese, heart patients, arthritics, elderly, and high performance athletics. Open to non-majors.

PET 4384 HEALTH-FITNESS APPRAISAL & EXERCISE PRESCRIPTION (3)
PR: CC & PET 3352. Techniques in conducting health-fitness test and exercise prescription for adults. Includes cardiovascular strength, flexibility, body composition, health risk testing, exercise prescription, and psychological testing. Open to non-majors.

PET 4401 ORGANIZATION & ADMINISTRATION OF PHYSICAL EDUCATION PROGRAMS (3)
PR: CC. A study of organizational and administrative procedures for physical education programs in elementary and secondary schools. Includes scheduling, budget, facilities, extra-curricular programs, and the selection and supervision of staff.

PET 4404 ORGANIZATION & ADMINISTRATION OF WELLNESS PROGRAMS (3)
PR: CC. Design and implementation of various types of wellness programs with emphasis on assessment and evaluation, management, staffing, participant adherence, program design, budgeting, legal liability, and marketing.

PET 4432 INSTRUCTIONAL DESIGN AND CONTENT: PHYSICAL EDUCATION ELEMENTARY (3)
PR: CC. This is the second of a three-course sequence in which students study movement forms and instructional processes suitable for elementary age students.

PET 4433 INSTRUCTIONAL DESIGN AND CONTENT: PHYSICAL EDUCATION ELEMENTARY II (3)
This course prepares students to select, plan, conduct complex movement experiences for students K-6.

PET 4442 INSTRUCTIONAL DESIGN AND CONTENT: PHYSICAL EDUCATION SECONDARY (3)
PR: CC. Development of knowledge and skills related to the teaching of selected movement activities such as team sports, gymnastics, and physical fitness. Focus is on understanding methods of teaching, bringing these curricula within these activities as well as on instructional progression and the preparation of materials for instruction at the secondary school level.

PET 4443 INSTRUCTIONAL DESIGN AND CONTENT: PHYSICAL EDUCATION SECONDARY II (3)
PR: CC. In this course, students are prepared to plan, conduct, and evaluate complex movement experiences in games, dance, gymnastics and physical fitness appropriate for students.

PET 4622C CARE AND PREVENTION OF PHYSICAL INJURIES (2)
Principles and techniques of conditioning athletes for competition, prevention and care of injuries in physical education and athletic activities.

PET 4905 INDEPENDENT STUDY: PROFESSIONAL PHYSICAL EDUCATION (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

PET 4933 SENIOR SEMINAR IN SECONDARY PHYSICAL EDUCATION (3)

PET 4934 SENIOR SEMINAR IN ELEMENTARY PHYSICAL EDUCATION (3)
PR: CC. Synthesis of teacher candidate's course in complete college program. Reflective evaluation of teaching experience. Required concurrently with Associate Teaching in Physical Education: Elementary. Physical Education Majors only.

PET 4942 PHYSICAL EDUCATION INTERNSHIP: ELEMENTARY (4)
PR: CC. A part-time internship in elementary school physical education. Focus on the nature of the total elementary school curriculum, characteristics of students, and application of appropriate content and instructional competencies. (S/U only.)

PET 4944 PHYSICAL EDUCATION INTERNSHIP: SECONDARY (4)
PR: CC. A part-time internship in high school level physical education with focus on the relationship of physical education to the needs of the early adolescence and the implementation of appropriate content and methodology. (S/U only.)

PET 4946 ASSOCIATE TEACHING PHYSICAL EDUCATION: ELEMENTARY (12)
PR: CC. A full-time internship in the elementary school in which the student undertakes the full range of teaching responsibilities in elementary physical education. May not be repeated. (S/U only.)

PET 4947 ASSOCIATE TEACHING PHYSICAL EDUCATION: SECONDARY (12)
PR: CC. A full-day internship in middle, junior or senior high school physical education programs with focus on the implementation of appropriate content and methodology to meet the needs of secondary students. (S/U only.)

PET 4947C ATHLETIC TRAINING PRACTICUM (2)
PR: PET 4622. A ten-week training room practicum on skills in preventive strapping and review first aid and rehabilitation techniques. Followed by a five-week practicum with local high schools or professional teams. Enrollment in these courses requires admission to the Physical Education program.

PSYCHOLOGICAL AND SOCIAL FOUNDATIONS
EDF 3122 LEARNING AND THE DEVELOPING CHILD (4)
PR: A general Psychology and admission to College of Education. Preadolescent child growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of classroom.

EDF 3214 HUMAN DEVELOPMENT AND LEARNING (3)
PR: A general Psychology and admission to College of Education. Application of respondent and operant learning principles to classroom learning, teaching models for different instructional goals, analysis of teacher behavior, micro-teaching.

EDF 3228 HUMAN BEHAVIOR AND ENVIRONMENTAL SELECTION -4A - XMW (3)
Learning principles, behavior analysis applied to global environmental and social issues. Requires elementary computer word processing skills.

EDF 3542 PHILOSOPHY OF EDUCATION -XMW (4)
Learning principles, behavior analysis applied to global environmental and social issues. Requires elementary computer word processing skills. Written (Gordon Rule) analysis of global human problems.

EDF 3604 SOCIAL FOUNDATIONS OF EDUCATION -XMW (3)
PR: Admission to College of Education. Social, economic and political context within which schools function and the values which provide direction for our schools; the culture as a motivating influence in instruction.
EDF 4131 LEARNING AND THE DEVELOPING ADOLESCENT (4)
PR: General psychology and admission to College of Education. Adolescent growth and development, learning theory, and behavioral analysis applied to instruction and to the organization and management of the classroom.

EDF 4905 INDEPENDENT STUDY: EDUCATIONAL FOUNDATIONS (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

EDF 4909 DIRECTED STUDY: EDUCATIONAL FOUNDATIONS (1-3)
PR: Senior. To extend competency in teaching field. Offered only as a scheduled class.

EDF 5140 BEHAVIORAL SCIENCE (4)
Study of the educational, intellectual, personality, physical, social and vocational factors in adolescence and their importance for school personnel.

EDF 5285 PROGRAMMED INSTRUCTION AND TEACHING MACHINES (3)
Principles for programming in the several academic subjects.

EDF 5672 AMERICAN DEMOCRACY AND PUBLIC EDUCATION (3)
Interdependence of the public school and democracy in the United States and the responsibility of the school in fostering and strengthening basic democratic principles.

IDS 3115 VALUES AND CHOICE-XMW
An in-depth examination of values and their relationship to choices in contemporary society using historical perspective and inquiry of moral/ethical dilemmas. Available to majors or non-majors.

COUNSELOR EDUCATION

MHS 4001 INTRODUCTION TO GUIDANCE PROCESSES (3)
PR: Upper level standing. An introduction to the role and function of guidance, school psychology, social work and other pupil personnel services. Opportunities for increasing self-awareness.

MHS 4505 INDEPENDENT STUDY: GUIDANCE AND COUNSELING EDUCATION (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

SDS 4040 INTRODUCTION TO STUDENT PERSONNEL WORK IN HIGHER EDUCATION (2)
PR: CI. Study of student personnel services in institutions of higher education. Identification of the needs of students and of the ways to respond to meet these needs. Survey of service units on a campus in terms of structure, organization, funding, etc.

SDS 4460 HUMAN RELATIONS SKILLS IN COUNSELING-XMW (4)
PR: EGC 4001 or CI. Introduction to the theory of human relations dynamics and development of skills required for effective interpersonal relations. Lecture sessions and laboratory training.

SLS 1101 THE UNIVERSITY EXPERIENCE (2)
PR: Freshman only or CI. An extended introduction and orientation to USF. Topics include purposes of higher education, structure and function of USF, overview of the processes of career planning and selecting a major, study skills, and managing out-of-class time.

SLS 2401 CAREER DEVELOPMENT PROCESS (2)
Students will study vocational choice theories and participate in career decision processes. Development of self-awareness and knowledge of career opportunities and requirements necessary for decision making. Available to lower level majors or non-majors.

READING EDUCATION

RED 4334 READING IN THE SECONDARY SCHOOL (3)
Basic course in Reading for Secondary school personnel.

RED 4360 READING IN SECONDARY CONTENT AREAS (2)
Provides basic instruction on phonics, word recognition, readablity, interests, corrective procedures, reading behaviors, comprehension, etc. Offered only in conjunction with special content reading courses.

RED 4511 LITERACY IN THE INTERMEDIATE AND MIDDLE GRADES (3)
PR: RED 4310. Procedures to facilitate the literacy learning of students who are beyond the primary grade. An understanding of theories or reading disabilities, instructional strategies and materials for remedial, multicultural, main stream students, and literacy development across the curriculum.

SCIENCE EDUCATION

SCE 4305 COMMUNICATION SKILLS IN THE SCIENCE CLASSROOM (2)
Reading and communication skills important in understanding scientific literature and communicating findings to others.

SCE 4330 TEACHING METHODS IN MIDDLE GRADE SCIENCE (3)
PR: Completion of 25 semester hours of Science or CC. Survey techniques and materials unique to science, grades 5-9. Not designed for high school certification purposes.

SCE 4330 TEACHING METHODS IN THE SECONDARY SCHOOL-SCIENCE (3)
PR: Completion of 26 hours in approved science courses, EDG 4620 (or CR), and CC. Techniques and materials of instruction in secondary school sciences.

SCE 4936 SENIOR SEMINAR IN SCIENCE EDUCATION (2)
PR: Senior standing; CR: SCE 4940. Synthesis of teacher candidate's courses in complete college program.

SCE 4940 INTERNSHIP: SCIENCE EDUCATION (1-12)
CR: SCE 4936. One full semester of internship in a public or private school.

SCE 5937 SELECTED TOPICS IN SCIENCE EDUCATION (1-4)
May be repeated when topics are not duplicated.

SOCIAL SCIENCE EDUCATION

SSE 4333 TEACHING MIDDLE GRADE SOCIAL SCIENCE (3)
This introductory course is concerned with the identification of the major content areas selected from the various social sciences. Topics related to selecting, organizing, and sequencing teaching materials and methods related to the unique problems of teaching teenage youth are studied.

SSE 4334 SECONDARY SOCIAL SCIENCE EDUCATION TEACHING METHODS (3)
PR: SSE 4333. This course is designed to identify and study selected techniques and strategies used in social science education instruction. Emphasis is placed upon the learner's ability to demonstrate skill in selecting methods, techniques, materials, and evaluative forms. Field work is a requirement.

SSE 4380 GLOBAL AND MULTICULTURAL PERSPECTIVES IN EDUCATION-XMW (3)
PR: EDG 3604 and EDG 4620, or CI. Examination of the major issues surrounding global and multicultural perspectives in education (Available to non-Education majors).

SSE 4640 COMMUNICATION SKILLS IN THE SOCIAL SCIENCES (2)
PR: CC. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

SSE 4670 ECONOMICS USA: PRINCIPLES OF ECONOMICS FOR TEACHERS (3)
A television course focusing on content and teaching methodology related to micro/macroeconomic principles. (S/U only.)

SSE 4936 SENIOR SEMINAR IN SOCIAL SCIENCE EDUCATION (2)
PR: Senior standing; CR: SSE 4940. Synthesis of teacher candidate's courses in complete college program.

SSE 4940 INTERNSHIP: SOCIAL SCIENCE EDUCATION (1-12)
CR: SSE 4936. One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9 to 12 Semester hours. (S/U only.)

SSE 5644 ECONOMIC DECISION-MAKING FOR TEACHERS (3)
PR: Admission to the College of Education or CC. Provides teachers (K-12) with content related to the operation of businesses in a market economy. Teachers analyze economic/business concepts from the perspective of individuals currently operating businesses in the Tampa Bay area. Focus of the instruction is on the application of content to K-12 instructional programs.

SPECIAL EDUCATION

EED 4011 INTRODUCTION TO BEHAVIOR DISORDERS (3)
PR: EEX 3010, or equivalent or CI. Survey of emotional, behavioral and social disorders in children and youth. History of the
field, definitions, classifications, theoretical approaches, intervention techniques, classroom management, service delivery models, trends and issues.

EED 4905 INDEPENDENT STUDY: BEHAVIOR DISORDERS (1-3)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to a maximum of 3 credit hours when subjects vary. (S/U only.)

EED 4909 DIRECTED STUDY: BEHAVIOR DISORDERS (1-3)
PR: Senior standing. To extend competency in teaching field.

EED 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN BEHAVIOR DISORDERS (1-6)
PR: EEX 3010 and major in behavior disorders. Supervised field experience in assessment, classroom management, and clinical teaching with children who have emotional and behavioral disabilities. Repeatable up to 6 credit hours. (S/U only.)

EEX 3010 INTRODUCTION TO SPECIAL EDUCATION (3)
Characteristics and needs of children who are learning disabled, emotionally disturbed, socially maladjusted, gifted, hearing impaired, mentally retarded, physically handicapped, speech impaired, and visually limited.

EEX 4070 INTEGRATING EXCEPTIONAL STUDENTS IN THE REGULAR CLASSROOM (2-3)
Designed for non-special education majors. Includes basic identification techniques and strategies to promote academic and social integration and interaction of "mainstreamed" exceptional students. Concurrent field experience projects are included. No credit for department majors.

EED 4221 EDUCATIONAL ASSESSMENT OF EXCEPTIONAL STUDENTS (3)
PR: EDF 3214 and EEX 3010. Taken concurrently with EED 4941, ELD 4941, or EMR 4941. Introduction to assessment of exceptional students through formal and informal techniques. Emphasis placed on the interpretation of information for educational programming and individualization of instruction.

EEX 2434 EDUCATION OF THE EXCEPTIONAL ADOLESCENT AND ADULT (3)
PR: EEX 3010 or equivalent or CI. Procedures for implementing educational programs for exceptional adolescents and adults. Topics include service delivery, curriculum, academic remediation, advocacy, utilization of ancillary services, alternative programs, and community resources.

EEX 4604 BEHAVIOR MANAGEMENT FOR SPECIAL NEEDS AND AT RISK STUDENTS (3)
PR: EEX 3010. Taken concurrently with EED 4941, ELD 4941, or EMR 4941. Techniques to prevent, analyze, and management challenging and disruptive classroom behavior as well as teaching social skills.

EEX 4846 CLINICAL TEACHING IN SPECIAL EDUCATION (3)
PR: EEX 3010. Taken concurrently with EED 4941, ELD 4941, or EMR 4941. Effective teaching principles, instructional management procedures, and specialized teaching techniques for exceptional students.

EEX 4905 INDEPENDENT STUDY: EXCEPTIONAL STUDENT EDUCATION (1-3)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 3 credit hours when subjects vary. (S/U only.)

EEX 4909 DIRECTED STUDY: EXCEPTIONAL STUDENT EDUCATION (1-3)
PR: Senior standing. To extend competency in teaching field. Repeatable up to 3 credit hours.

EEX 4936 SENIOR SEMINAR IN EXCEPTIONAL STUDENT EDUCATION (2)

EEX 4940 INTERNSHIP: EXCEPTIONAL STUDENT EDUCATION (1-10)
CR: EEX 4936. One full semester of internship in an accredited public or private school. (S/U only.)

EEX 5705 SEMINAR IN PRESCHOOL HANDICAPPED (2)
PR: CI. Seminar about the needs, interventions, and the coordination of services for preschool handicapped children and their families. May be repeated up to 6 credit hours.

EEX 5752 WORKING WITH FAMILIES: A PLURALISTIC PERSPECTIVE (3)
PR: Graduate standing or CI. The impact of the socio-cultural environment on the education of at-risk and handicapped children; family systems theory, principles of multi-cultural education, strategies for working effectively with families of school-age children, diverse cultures and family structures represented in school.

EGI 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN GIFTED STUDENT EDUCATION (1-6)
Organized; supervised experiences with gifted children. Specific experiences may be either a combination of observation and assistance with gifted children or individualized projects.

EGI 5051 NATURE AND NEEDS OF THE GIFTED (3)
Characteristics and educational needs of gifted children and youth. Emphasis is on five types of giftedness as defined by National Department of Education, (1) intellectual giftedness, (2) specific academic aptitude, (3) visual and performing arts, (4) leadership and (5) kinesthetic.

EGI 5325 CREATIVE PROBLEM SOLVING FOR THE CHILD (3)
Exploration of the concept of creativity, its factors, measurement, and application to education. Opportunities are given to work with children in a laboratory setting and to prepare materials to be used with small groups of children.

ELD 4011 INTRODUCTION TO SPECIFIC LEARNING DISABILITIES (3)
PR: EEX 3010 or CI. Characteristics, needs and abilities of children with SLD. Emphasis is on theories, issues, trends, and philosophy of problems for such children.

ELD 4905 INDEPENDENT STUDY: SPECIFIC LEARNING DISABILITIES (1-3)
PR: CI. Specialized independent study determined by student's needs and interests. May be repeated up to 3 credit hours when subjects vary. (S/U only.)

ELD 4909 DIRECTED STUDY: SPECIFIC LEARNING DISABILITIES (1-3)
PR: Senior standing. To extend competency in teaching field.

ELD 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN SLD (1-6)
PR: EEX 3010 and major in Specific Learning Disabilities. Supervised field experiences in assessment, behavior management and clinical teaching with classes for children who have specific learning disabilities. Repeatable up to a total of 6 hours. (S/U only.)

EMR 4011 INTRODUCTION TO MENTAL RETARDATION (3)
PR: EEX 3010. Introduction to the classification, diagnosis, characteristics, and treatment of the mentally retarded.

EMR 4230 EDUCATING THE SEVERELY/PROFOUNDLY HANDICAPPED (3)
PR: EMR 3011 or CI. Emphasis on educational methods and materials for teaching the severely/profoundly handicapped. Practicum/field experience required.

EMR 4905 INDEPENDENT STUDY: MENTAL RETARDATION (1-3)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated when subjects vary. (S/U only.)

EMR 4909 DIRECTED STUDY: MENTAL RETARDATION (1-3)
PR: Senior standing. To extend competency in teaching field. Offered only as a scheduled class.

EMR 4941 UNDERGRADUATE SUPERVISED PRACTICUM IN MENTAL RETARDATION (1-6)
PR: EEX 3010 and major in Mental Retardation. Supervised field experiences in assessment, behavior management, and clinical teaching with children who have mental retardation. Repeatable up to a total of 6 hours credit. (S/U only.)

EPH 5051 ADVANCED THEORIES IN MOTOR AND PHYSICAL DISABILITIES (3)
PR: EEX 3010 or CI. Biological and functional aspects of motor and physical health disabilities, including dysfunctions in central nervous system covering motor, sensory, language and psychological disorders.

EPH 5321 EDUCATIONAL STRATEGIES FOR PHYSICALLY AND MULTIHANDICAPPED STUDENTS (3)
PR: EPH 5051. Educational management of students with cerebral palsy, motor disabilities and multihandicapped conditions including rehabilitation and other community services.

THEATRE EDUCATION

EDG 4320 INTRODUCTION TO CREATIVE DRAMA (3)
This course for classroom teachers introduces the theory and practice of creative drama as it applies to use by elementary, middle school and secondary school teachers. Beginning with a
study of dramatic play as it relates to human development, the course includes basic procedures and teaching strategies when using pantomime, voice improvisation, theatre games and role playing and story dramatization.

THE 4722 THEATRE FOR PRE-SECONDARY SCHOOLS: THE PRODUCTION PROCESS (3)
The play production process as it applies to theatre artist-in-schools programs, including development of related classroom workshops and preparation of study guides and educational program materials as well as design, direction and rehearsal of play and touring methods. May be repeated for elective credit two times; once for major credit.

THE 4723 THEATRE FOR PRE-SECONDARY SCHOOLS: THE PERFORMANCE PROCESS (3)
The artistic process of performing for various school audiences and practice conducting classroom workshops following each performance. May be repeated for elective credit two times; once for major credit.

THE 4761 METHODS OF TEACHING THEATRE FOR ADOLESCENTS (3)
Methods of effective drama and theatre instruction in middle school, junior and senior high schools, recreation centers, community and professional theatres.
CIVIL ENGINEERING AND MECHANICS

COMPUTER SCIENCE AND ENGINEERING

ELECTRICAL ENGINEERING

INDUSTRIAL AND MANAGEMENT SYSTEMS ENGINEERING
Chairperson: P.E. Givens; Professor Emeritus: R. J. Wimmert; Professors: J.L. Brown, P.E. Givens, S. K. Khator, L.A. Weaver; Associate Professors: O. G. Okogbaa, W. A. Miller; Assistant Professor: A. L. Callahan; Visiting Associate Professor: P. R. McCright; Lecturer: D. K. Gooding.

MECHANICAL ENGINEERING

BASIC AND INTERDISCIPLINARY ENGINEERING
EGN 1002 ENGINEERING ORIENTATION
The role of engineering in society, characteristics of different fields of engineering, required preparation for engineering careers, techniques and approaches used by engineers in their profession. (S/U only.)

EGN 2200 ENGINEERING WITH COMPUTERS
PR: EGN 2210. Fundamental concepts in engineering and computer applications. Examples chosen from various areas of engineering to illustrate design modelling and analysis with computer assistance. Some topics involve laboratory.

EGN 2210 COMPUTER TOOLS FOR ENGINEERS
PR: MAC 3281. Students will be introduced to computer based engineering tools and their application to the solution of engineering problems. The programming language, FORTRAN, will be the most emphasized tool, but coverage will also be given to other engineering/mathematical tools such as equation solving tools and spreadsheets.

EGN 3311 STATICS

EGN 3321 DYNAMICS
PR: EGN 3311. Dynamics of discrete particles; kinematics and kinetics for rigid bodies. Lec.

EGN 3331 MECHANICS OF MATERIALS
PR: EGN 3311. Stress, strain, Hooke’s Law; torsion, beam, column analysis; combined stresses; inelastic effects, limit design. Lec.

EGN 3331L MECHANICS OF MATERIALS LABORATORY
squares and pseudoinverses, eigenvector algorithms. Special matrices and representations for control system and finite element applications.

EGS 113 INTRODUCTION TO DESIGN GRAPHICS (3)
An introduction to the basic principles of engineering design. The course will include the graphic projective systems used in engineering drawing and design. Methods of graphic communication and graphic analysis of engineering design problems will be investigated.

CHEMICAL ENGINEERING
ECH 3023 INTRODUCTION TO PROCESS ENGINEERING (3)
ECH 3264C TRANSPORT PROCESSES I (3)
PR: ECH 3023. Design, sizing, and selection of fluid flow and heat transfer equipment to satisfy process demands. Lecture/laboratory.
ECH 3702 INSTRUMENT SYSTEMS I (4)
ECH 4123C PHASE AND CHEMICAL EQUILIBRIA (3)
PR: For majors, ECH 3023; for non-majors ECH 3023 or ECH 4110. Correlation of thermodynamic properties of real systems and solutions. Description of multicomponent, multiphase systems in equilibrium. Applications to separation processes and reactor design. Lecture/laboratory.
ECH 4244L CHEMICAL ENGINEERING LABORATORY II (2)
CR: ECH 4415C, ECH 3624C, ECH 3702, EML 3303, or CI. Engineering laboratory experiments in Chemical Engineering Processes: fluid flow, heat transfer, phase and chemical equilibrium, and reacting systems.
ECH 4265C TRANSPORT PROCESSES II (3)
PR: ECH 3264C. Design, sizing, and selection of mass transfer equipment. Absorption, distillation, extraction, humidification. Lecture/laboratory.
ECH 4323C AUTOMATIC CONTROL I (3)
ECH 4414C REACTING SYSTEMS (3)
CR: ECH 4244L, CHM 4412, ECH 4413. Equilibrium and rate phenomena in reacting systems. Description of homogeneous chemical reactors for design and control. Lecture/laboratory.
ECH 4805 STRATEGIES OF PROCESS ENGINEERING (3)
ECH 4615C PLANT DESIGN AND OPTIMIZATION (3)
ECH 4905 INDEPENDENT STUDY (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 3 credit hours.
ECH 4930C SPECIAL TOPICS IN CHEMICAL ENGINEERING I (1-4)
PR: CC. May be repeated up to 9 credit hours.
ECH 4931C SPECIAL TOPICS IN CHEMICAL ENGINEERING II (1-4)
PR: CI. May be repeated up to 9 credit hours.
ECH 5158C SEMINAR IN THE PHILOSOPHY OF THERMODYNAMICS (2)
PR: CI. Philosophical and technical aspects of contemporary thermodynamics, including entropy, time, irreversible processes, complex structures, and analysis of biological systems. Includes topics in philosophy of science. Open to majors and non-majors.
ECH 5285 TRANSPORT PHENOMENA (3)
PR: CI. Special standing in engineering. Basic description of equations of fluid, heat, and mass transport. Description and solution to intermediate problems, including unsteady state and multidimensional systems. Estimation of transport and convective coefficients.
ECH 5324A AUTOMATIC PROCESS CONTROL II (3)
PR: ECH 4323 or CI. The course covers the root locus and frequency response methods. The techniques of rational, cascade feed forward, selective, override, and multivariable control techniques are discussed in detail. The course also shows how to utilize these techniques to design control systems. Z-transforms and discrete control including PID, Dahlin, and deadtime compensations.
ECH 5740 THEORY AND DESIGN OF BIOPROCESSES (4)
PR: Senior standing in engineering or CI. Introduction to biotechnology, including applied microbiology, enzyme technology, biomass production, bioreactor design, and transport processes in biosystems. Open to majors and non-majors with CI.
ECH 5742 PHARMACEUTICAL ENGINEERING (2)
PR: Senior or graduate standing in engineering or CI. Introduction to pharmaceutical engineering, including dosage forms (tablets, capsules, powders, liquids, topical forms, and aerosols), excipients, regulatory issues, clinical studies, and good manufacturing practices.
ECH 5746 INTRODUCTION TO BIOENGINEERING (3)
PR: Senior standing in engineering or CI. Introduction to biomedical engineering, including transport phenomena in biomedical systems, biomaterials, biomedical instrumentation, prosthetic devices, and clinical engineering. Open to non-engineering students with CI.
ECH 5747C SELECTED TOPICS IN CHEMICAL ENGINEERING BIOTECHNOLOGY (1-3)
PR: Senior standing in engineering or CI. Selected topics in chemical engineering biotechnology, including pharmaceutical engineering, immobilized enzyme technology, food engineering, and fermentation. Open to majors and non-majors with CI. May be repeated for credit as subjects vary.
ECH 5748 SELECTED TOPICS IN BIOMEDICAL ENGINEERING (1-3)
PR: CI. Selected topics in biomedical engineering, including biomedical materials, biodynamics of circulation, separation processes in biomedical systems, and artificial organ systems. May be taken by non-engineering students with CI. May be repeated for credit as subjects vary.
ECH 5820 PRODUCT DEVELOPMENT (2)
Senior or graduate standing in engineering or CI. An introduction to the development of consumer products, including the history of innovation, creativity development, the product development environment, and a detailed examination of several product areas.
ECH 5910 DIRECTED RESEARCH IN BIOENGINEERING (1-3)
PR: CI. Directed research in an area of biomedical engineering or engineering biotechnology. May be repeated up to 4 credit hours.
ECH 5930 SPECIAL TOPICS III (1-4)
PR: CI. May be repeated up to 9 credit hours.
ECH 5931 SPECIAL TOPICS IV (1-4)
PR: CI. May be repeated up to 9 credit hours.

CIVIL ENGINEERING AND MECHANICS
CEG 4011 SOIL MECHANICS I (3)
PR: EGN 3353C. Fundamental and experimental concepts in soil mechanics with emphasis on soil properties, soil moisture, soil structure, and bearing strength.
CEG 4011B GEOTECHNICAL LABORATORY (1)
PR: CEG 4011. Demonstrates and experiments verifying theoretical bases of Geotechnical Engineering. One hour lecture and two laboratory hours per week.
CEG 4012 SOIL MECHANICS II (3)
PR: CEG 4011. Design of retaining walls, earth slopes, foundations, control settlement, soil stabilization and foundations subjected to dynamic loads. Computer applications to soil mechanics will be covered.
CEG 4801 GEOTECHNICAL DESIGN (2)
PR: CEG 4011. Design of geotechnical systems including bases, foundations, embankments, and dams.
CEG 5115 FOUNDATION ENGINEERING (3)
PR: CEG 4011 or CI. Design of shallow foundations, cantilevered and anchored retaining walls, piling, drilled piers and special
foundations. Computer applications to geotechnical engineering are covered.

CEN 5205 LABORATORY TESTING FOR GEOTECHNICAL ENGINEERS
PR: CEG 4011 or CI. Both routine and advanced forms of soil testing are covered. Emphasis is placed on procedures and application of results to design.

CES 3102 STRUCTURES I
PR: EGN 3331. Analysis of simple structural systems, both determinate and indeterminate. Introduction to the use of energy methods in indeterminate structures.

CES 4000 STRUCTURES AND THE URBAN ENVIRONMENT FOR NON-ENGINEERS -XMW
This course reviews the best works of structural engineering to indicate how current technology and social context affect structural form, to familiarize students with relevant structural principles, and to introduce the concept of structural art.

CES 4104 ADVANCED MECHANICS OF MATERIALS
PR: EGN 3331, MAP 4302. Analytical analysis of the mechanical behavior of deformable solids; special topics in beam theory, elastic and inelastic methods, plastic limit analysis flexure and torsion of beams; introduction to finite element computer methods.

CES 4141 MATRIX STRUCTURAL ANALYSIS

CSE 4501 COMPUTER AIDED STRUCTURAL DESIGN
PR: CES 4141. Computer aided structural analysis and design using existing finite element program, static dynamic loading.

CED 4518 STRUCTURAL DESIGN STEEL
PR: CES 4605. Design of structures made of steel.

CED 4702 CONCEPTS OF CONCRETE DESIGN
PR: CES 3102. Introduction to concrete design and the ACI Building Code Requirements for reinforced concrete: Design of flexural reinforcement in beams and slabs, design of shear reinforcement, design of concrete columns.

CED 4704 STRUCTURAL DESIGN-CONCRETE

CED 4820C TIMBER AND MASONRY DESIGN
PR: CES 3102, CES 4702. Fundamentals of timber design including beams, columns, connections and formwork. Introduction to masonry design including design of beams, walls, columns, and pilasters.

CED 5105 ADVANCED MECHANICS OF MATERIALS I
PR: EGN 3331, MAP 4302. Analytical study of the mechanical behavior of deformable solids. Basic concepts, stress and strain transformations, special topics in beams, introduction to theories of elasticity, and bending of thin plates.

CED 5209 STRUCTURAL DYNAMICS
PR: CES 3102. Behavior of structural components and systems when subjected to periodic dynamic loads.

CED 5715C PRESTRESSED CONCRETE
PR: CI. Fundamental principles of prestressing; calculation of losses; stress analysis and design of simple beams for flexure and shear. Examples of prestress applications.

CGN 3022L CIVIL ENGINEERING LABORATORY
PR: CES 3102, EGN 3331, EGN 3365. A laboratory experience in departmental facilities including the subject areas of structures, materials, fluids, transportation, soils, engineering mechanics, environmental engineering, and computer assisted data acquisition.

CGN 3311 DESIGN AND PRACTICE
PR: EGN 3353, EGN 3365, EGN 3331. Methodology of the design process in civil engineering. Includes problem definition, criteria, data collection and analysis, information sources, planning, specifications, and presentation of technical information.

CGN 4222 ENGINEERING CONTRACTS, SPECIFICATIONS AND ETHICS
Focus on engineering responsibilities in the technical aspects of preparing contracts and specifications. Objectives are to teach the student their legal and ethical responsibilities in the preparation of contracts and specifications. Make the student aware of technical problems in the preparation of specification; bid documents and contracts. Emphasis of ethics of engineer-client agreements.

CGN 4851 CEMENT AND CONCRETE DESIGN
PR: EGN 3365L. Classifications and production of cements. Design and testing of concrete mixes to produce desired properties.

CGN 4905 INDEPENDENT STUDY
PR: CC. Specialized independent study determined by the students' needs and interests. May be repeated up to 15 credit hours. (S/U only.)

CGN 4911 RESEARCH IN CIVIL ENGINEERING AND MECHANICS
PR: CC.

CGN 4914 SENIOR PROJECT
PR: CI. Problem-solving experience and training for seniors in research and/or design projects. Written final reports are required.

CGN 4954 SPECIAL TOPICS IN CIVIL ENGINEERING AND MECHANICS
PR: CC. New technical topics of interest to civil engineering students. May be repeated up to 6 credit hours.

CWR 4103 WATER RESOURCES ENGINEERING
PR: CWR 4202. A study of the engineering principles involved in sustaining and managing the quantity and quality of water available for human activities with particular emphasis on surface water and ground water hydrology.

CWR 4202 HYDRAULICS
PR: EGN 3353C. Fundamental and applied aspects of pipe flow, free surface flow, and unsteady flow for hydraulic systems.

CWR 4810 HYDRAULIC DESIGN
PR: CWR 4202. Design of hydraulic systems, including drainage, water supply, and flood control.

CWR 4811 FLUID SYSTEMS DESIGN
PR: CWR 4202. Design of fluid systems. Consideration of pressure, drag, and gravity forces.

EMA 4324 AN INTRODUCTION TO RESOURCES ENGINEERING I
PR: EGN 3365L. Principles of electrochemical corrosion and the representation of corrosion processes by polarization diagrams. Origin and prevention of the localized forms of corrosion and approaches to corrosion control.

EMA 4325 CORROSION CONTROL SYSTEM DESIGN
PR: EMA 4324. Design of corrosion prevention systems and prediction of the behavior of materials in various corrosive environments.

EMA 4604 PROCESSES IN MATERIALS ENGINEERING
PR: EGN 3365L. Introduction to the basic theories of solidification and ultrapurification of materials, and discussion of the primary methods of shaping and forming materials.

EMA 4703 FAILURE ANALYSIS AND PREVENTION
PR: EGN 3365L, EGN 3331. Failure criteria and the analysis of failures produced by combined states of stress. Principles of fracture mechanics and fatigue. Damage to materials produced by various environments including elevated temperatures and radia-

EMA 4704 SELECTION AND APPLICATION OF ENGINEERING MATERIALS
PR: EGN 3365L. Determination of the property requirements for the utilization of materials in specific applications, comparison of properties of metals, plastics, and ceramics, the effect of heat treatment, etc., on materials, property limitations.

ENV 3001 ENVIRONMENTAL ENGINEERING
CR: EGN 3353C. An introduction to various aspects of environmental problems faced by today's society. Topics covered are: air pollution, water pollution, noise pollution, solid waste management, ionizing radiation, disease transmission, and food protection.
ENV 4004L ENVIRONMENTAL ENGINEERING LABORATORY (1)
PR: ENV 3001, CR: ENV 4502. Laboratory experience in the measuring of environmental parameters.

ENV 4101 AIR POLLUTION CONTROL (3)
PR: EGN 3353C. Behavior and effects of atmospheric contaminants and the principles of making measurements in the air. Basic concepts of meteorology and control technology are discussed. Regulatory aspects and air pollution standards are covered.

ENV 4417 WATER QUALITY AND TREATMENT (3)
PR: CWR 4202. An introduction to municipal water supply and waste water treatment. Topics include water requirements and waste volumes, water quality, physical and chemical treatment processes, and advanced wastewater treatment processes.

ENV 4432 WATER SYSTEMS DESIGN (2)
PR: EGN 3353C. Corequisite ENV 4503. A design oriented course which utilizes the theory obtained in the Unit Operations course to design both industrial and domestic water treatment and water transport systems. It emphasizes the design procedures normally used in engineering practice.

ENV 4502 ENVIRONMENTAL UNIT OPERATIONS (3)
PR: EGN 3343, EGN 3353C. CR: ENV 3001. The theory and the design of unit operations normally used in the practice of environmental engineering, such as agitation and mixing of liquids, filtration, leaching, gas absorption, sedimentation and clarification, drying, and evaporation.

ENV 4503 ENVIRONMENTAL UNIT PROCESSES (3)
PR: ECH 3023, ENV 4502. The theory and design of unit processes normally used in environmental engineering such as coagulation of colloidal materials, water stabilization, water softening and neutralization, ion exchange, adsorption, and oxidation processes for removal of iron and magnesium.

ENV 4531 WASTEWATER SYSTEMS DESIGN (2)
PR: ENV 4503. Emphasis is placed upon design practice and economics for a comprehensive design of a wastewater system and a collection system.

ENV 4552L ENVIRONMENTAL UNIT OPERATIONS AND PROCESSES LABORATORY (1)
PR: EGN 3353C. CR: ENV 4503. Experimental work of the theory and design practices learned in Unit Operations and Unit Processes lecture courses. It provides the student familiarity with the design and pilot plant processes and operations used in environmental engineering.

ENV 5105 AIR RESOURCE MANAGEMENT (3)
PR: CI. Air pollution source impacts on ambient air quality, modeling, regulatory approaches, source strategic controls and surveillance.

ENV 5345 SOLID AND HAZARDOUS WASTE CONTROL (3)
PR: CI. Treatment practices and design of waste handling systems to include: land treatment, pre-treatment, incineration, resource recovery, recycle, waste elimination.

ENV 5514 ENVIRONMENTAL RISK ANALYSIS (3)
PR: CI. Study of comprehensive application of risk analysis techniques for environmental control and protection purposes.

SUR 3140C ENGINEERING LAND SURVEYING (3)
PR: CI. Principles of land surveying for engineering practice. Traverses, levels, boundary surveys, route surveys, coordinate geometry, and mapping.

TTE 4004 TRANSPORTATION ENGINEERING I (3)
PR: EGN 3321. Principles of surface transportation system development, design, and operations; administration, modal characteristics, capacities, and functional classifications; vehicle kinematics, human factors and minimum design standards; traffic flow theory and queuing, capacity and signalization; transportation planning and economics.

TTE 4005 TRANSPORTATION ENGINEERING II (3)
PR: TTE 4004, CR: SUR 3140. Techniques for the geometric design of surface transportation systems; horizontal and vertical alignments. Spiral curves, superelevations and earthwork analysis; drainage, soils, and a rigid and flexible pavement design; right-of-way acquisition and Environmental Impacts; site layout and design, and control of alternate facilities including bus, air, rail, water, and pipeline facilities and terminals.

TTE 4821 TRANSPORTATION SYSTEMS DESIGN (2)
PR: TTE 4005. Comprehensive surface transportation design laboratory experience involving function design, traffic and facility sizing, complete alignments, site surveying & layout plan and quantity preparation with computerized designed applications.

TTE 5501 TRANSPORTATION PLANNING AND ECONOMICS (3)
PR: College Algebra & CI. Fundamentals of urban transportation planning: trip generation, trip distribution, modal split, traffic assignment. Introduction to environmental impact analysis, evaluation of d choice of transportation alternatives.

COMPUTER SCIENCE AND ENGINEERING
CAP 5400 DIGITAL IMAGE PROCESSING (3)
PR: EEL 4851. Data Structures, or Graduate Standing. Image formation, sources of image degradation, image enhancement techniques, edge detection operators, and threshold selection, low-level processing algorithms for vision, image data compression.

CAP 5625 INTRODUCTION TO ARTIFICIAL INTELLIGENCE (3)
PR: EEL 4851C. Basic concepts, tools and techniques used to produce and study intelligent behavior. Organizing knowledge, exploiting constraints, searching spaces, understanding natural languages, problem solving strategies, etc.

CAP 5682 EXPERT AND INTELLIGENT SYSTEMS (3)
Basic concepts, techniques and tools for the design and implementation of expert and artificial intelligence systems. Knowledge representation, inference methods, knowledge acquisition methods, and some advanced concepts. Tools to facilitate construction of expert and intelligent systems.

CDA 4100 COMPUTER ORGANIZATION AND ARCHITECTURE (3)
PR: EEL 4705, or CC. Elements of computer systems; processors, memories and switches. Register transfer presentation of a computer. ALUs and their implementation. The control unit. Memory and I/O. Hardware support of operation system functions.

CDA 4103 MINICOMPUTER LABORATORY (1)
CR: CDA 4100. Minicomputer organization and programming.

CDA 4203 COMPUTER SYSTEM DESIGN (3)
PR: EEL 4705, EEL 4705L. CR: CDA 4203L. Design Methods, Top-Down design, Building Blocks, Instruction and addressing models, minicomputer design, interfacing.

CDA 4203L COMPUTER SYSTEM DESIGN LAB (1)
PR: EEL 4705 and EEL 4705L. CR: CDA 4203. This lab introduces the student to the concept of system design. Several projects are given including building timing circuits, memory-based and communication circuits, and microcomputer-based designs.

CDA 5405 MODELING COMPUTER SYSTEM PERFORMANCE I (3)

CDA 5406 MODELING COMPUTER SYSTEM PERFORMANCE II (3)

CEN 4020 SOFTWARE ENGINEERING (3)
PR: EEL 4851C. An overview of software engineering techniques for producing high quality software. Student will participate in a software development team.

CEN 4721 USER INTERFACE DESIGN (3)
An examination of factors influencing the usability of a computer system. Topics include input and output devices, graphic and multimedia interfaces, formats for interaction/communication between computer and user, and the evaluation of usability.

CIS 4250 ETHICAL ISSUES AND PROFESSIONAL CONDUCT - S -XMW (3)
PR: Senior standing in the Department of Computer Science and Engineering. An introduction to ethical issues arising in the computer sciences, through written analysis and oral presentations of technical situations which involve ethical conflicts.

CIS 4900 INDEPENDENT STUDY IN COMPUTER SCIENCE (1-5)
PR: CI. Specialized independent study determined by the needs and interests of the student. May be repeated up to 10 credit hours. (S/U only.)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 4910</td>
<td>COMPUTER SCIENCE PROJECT</td>
<td>(2)</td>
</tr>
<tr>
<td>CIS 4930</td>
<td>SPECIAL TOPICS IN COMPUTER SCIENCE I</td>
<td>(1-4)</td>
</tr>
<tr>
<td>COP 3000L</td>
<td>COMPUTER SCIENCE LABORATORY</td>
<td>(1)</td>
</tr>
<tr>
<td>COP 3002</td>
<td>INTRODUCTION TO COMPUTER SCIENCE</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 3510</td>
<td>PROGRAMMING CONCEPTS</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 4020</td>
<td>PROGRAMMING LANGUAGES</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 4023</td>
<td>COMPARISON OF PROGRAMMING LANGUAGES</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 4312</td>
<td>SYMBOLIC COMPUTER FOR ARTIFICIAL INTELLIGENCE</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 4400</td>
<td>COMPUTER SYSTEMS</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 4670</td>
<td>INTRODUCTION TO SYSTEMS PROGRAMMING</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 3100</td>
<td>INTRODUCTION TO DISCRETE STRUCTURES</td>
<td>(3)</td>
</tr>
<tr>
<td>COP 4210</td>
<td>INTRODUCTION TO AUTOMATA THEORY AND FORMAL LANGUAGES</td>
<td>(3)</td>
</tr>
<tr>
<td>COT 4400</td>
<td>ANALYSIS OF ALGORITHMS</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4705</td>
<td>LOGIC LABORATORY</td>
<td>(1)</td>
</tr>
<tr>
<td>EEL 4743L</td>
<td>MICROPROCESSOR LABORATORY</td>
<td>(1)</td>
</tr>
<tr>
<td>EEL 4744</td>
<td>MICROPROCESSOR PRINCIPLES AND APPLICATIONS</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4748</td>
<td>MICROPROCESSOR-BASED SYSTEM DESIGN AND APPLICATION</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4781C</td>
<td>DISTRIBUTED PROCESSING AND COMPUTER NETWORKS</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4851C</td>
<td>DATA STRUCTURES</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4930</td>
<td>COMPUTERS AND SOCIETY</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4931</td>
<td>SIMSCRIPT SIMULATION</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4932</td>
<td>COBOL PROGRAMMING II</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4933</td>
<td>COBOL PROGRAMMING II</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4934</td>
<td>COMPUTER SERVICE COURSES</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4935</td>
<td>MINI-COMPUTER APPLICATIONS</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 4936</td>
<td>COMPUTERS FOR RESEARCH</td>
<td>(3)</td>
</tr>
<tr>
<td>EEL 3100</td>
<td>NETWORK ANALYSIS AND DESIGN</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**COMPUTER SCIENCE COURSES**

- **EEL 4852C DATA BASE SYSTEMS**
- **EEL 4853C DATA BASE APPLICATIONS**
- **EEL 5540 SC COMPARISON OF PROGRAMMING IN BASIC**
- **EEL 3463 SC GPSS SIMULATION**
- **EEL 3464 SC SIMSCRIPT SIMULATION**
- **EEL 3465 SC COBOL PROGRAMMING II**
- **EEL 3120 SC COBOL PROGRAMMING I**
- **EEL 3130 SC PL/I PROGRAMMING**
- **ETG 4931 SPECIAL TOPICS IN TECHNOLOGY I**
- **ETG 4932 SPECIAL TOPICS IN TECHNOLOGY II**
- **ETI 4666 PRINCIPLES OF INDUSTRIAL OPERATIONS II**

**ELECTRICAL ENGINEERING**

- **EEL 3100 NETWORK ANALYSIS AND DESIGN**

---

**COLLEGE OF ENGINEERING**

**UNIVERSITY OF SOUTH FLORIDA - 1994/95 UNDERGRADUATE CATALOG**
EEL 3302 ELECTRONICS I  
(3)  
PR: EGN 3373. A course in the physical principles of electronic devices with emphasis on semi-conductor electronics. Includes the analysis and design of amplifiers and switching circuits.

EEL 4101, 4411 FIELDS AND WAVES I, II  
(3,3)  
PR: MAP 4302, PHY 3049, PHY 3049L. A basic introduction to electromagnetic field theory, including static and dynamic electromagnetic fields.

EEL 4102 LINEAR SYSTEMS ANALYSIS  
(3)  
PR: EEL 3100. Provides further study in the analysis of linear networks and systems. Includes time and frequency domain points of view. Laplace, Fourier and superposition integrals.

EEL 4108 DISTRIBUTED NETWORKS  
(3)  
PR: EEL 4411, EEL 3100. Transmission lines, standing waves, impedance, waveguides.

EEL 4163 COMPUTER AIDED DESIGN AND ANALYSIS  
(2)  
PR: EEL 3302, EEL 4705. The emphasis is upon applications and how to use the major CADA programs as effective tools to solve a wide variety of engineering problems. The coverage includes solid state design, systems analysis, digital logic, and transfer function solutions.

EEL 4305 ELECTRONICS II  
(3)  
PR: EEL 3302. Provides further study in electronic circuits. Includes feedback and frequency response techniques in amplifier design.

EEL 4351C SEMICONDUCTOR DEVICES  
(3)  
PR: EEL 3302. An introduction to the fundamentals of semiconductor materials and semiconductor device operation.

EEL 4411 See EEL 3410.  

EEL 4511 COMMUNICATION ENGINEERING  
(2)  
PR: EEL 4512. Analog telephone network; digitalization. Digital transmission and multiplexing. Digital switching; space division switching, time-division switching, space-time switching; analog environment. Broadcasting and recording (audio and video); television systems, cable and satellite TV.

EEL 4511L COMMUNICATIONS LABORATORY  
(1)  

EEL 4512C INTRODUCTION TO COMMUNICATION SYSTEMS  
(3)  
PR: EEL 3100. Signals and Fourier transforms in communication systems; measure of information in signals. AM, FM, and PM modulation and demodulation systems. Sampling, quantization and PCM. Data communication; terminals, and modems; repeaters, timing circuits, and interfaces. Local networks.

EEL 4567 ELECTRO-OPTICS  
(3)  
PR: EEL 3301L, EEL 3302L, EEL 3410. An introduction to the field of electro-optics, including visible and infra-red sources and detectors; radiometry, optical and electronic components, and fiber optics.

EEL 4657 LINEAR CONTROL SYSTEMS  
(3)  

EEL 4703 LOGIC DESIGN  
(3)  
PR: EGN 3373. Non-majors may enroll with Cl. Binary number system; truth functions; Boolean algebra; canonical forms; minimization of combinational logic circuits; logic circuits in computers.

EEL 4705L LOGIC LABORATORY  
(1)  
CR: EEL 4705.

EEL 4743L MICROPROCESSOR LABORATORY  
(1)  
CR: EEL 4744. Laboratory for microprocessor use and evaluation.

EEL 4744 MICROPROCESSOR PRINCIPLES AND APPLICATIONS  
(3)  

EEL 4905 INDEPENDENT STUDY  
(1 - 5)  
PR: Cl. Specialized independent study determined by the student's needs and interests. May be repeated up to 15 credit hours. (S/U only.)

EEL 4906 DESIGN PROJECT  
(2)  
PR: Senior standing. An individual or team project involving the design of an electrical component system. Required of all electrical seniors.

EEL 4925, 4936, 4937 SPECIAL ELECTRICAL TOPICS I, II, III  
(1 - 4 each)  

EEL 5250 POWER SYSTEM ANALYSIS  
(3)  
Analysis technique for AC power systems.

EEL 5344C DIGITAL CMOS/VLSI DESIGN  
(3)  
PR: EEL 4705 or CC. Designed introduction, simulation, and test of custom digital CMOS/VLSI chips, a CMOS cell library and state-of-the-art CAD tools. Digital CMOS static and dynamic gates, flip-flops CMOS array structures commonly used in digital systems. Top down design example of a bit slice processor.

EEL 551 MICROELECTRONICS  
(3)  
PR: EEL 3410. Quantum mechanics with emphasis on electronic properties in atoms, molecules, and crystals; quantum statistics; energy band theory; crystal structures; defect chemistry; semiconductor properties.

EEL 5556 INTEGRATED CIRCUIT TECHNOLOGY  
(3)  
PR: EEL 4351 or Cl. Physics and Chemistry of integrated circuit and discrete device fabrication, materials limitations, processing schemes, failure and yield analysis. A laboratory is integral to the course.

EEL 5557 ANALOG CMOS/VLSI DESIGN  
(3)  

EEL 5558 INTRODUCTION TO PLASMA PROCESSING AND TECHNOLOGY  
(3)  
PR: Prior knowledge in microelectronics and electromagnetics required at the level of EEL 4305 and EEL 4411 or the equivalent. A graduate level self-contained introduction to plasma manufacturing methods employed in semiconductor fabrication. Covers physics and chemistry pertaining to plasma processes.

EEL 5567 MICROWAVE ENGINEERING  
(3)  
PR: EEL 4411, 4102, or CC. Introduction to passive and active components, devices, and circuits, including transmission lines and waveguides, employed in microwave integrated circuits and systems.

EEL 5568 ANTENNA THEORY  
(3)  
PR: EEL 4411 or CC. Antenna theory beginning with fundamental parameter definitions and continuing with mathematical concepts, elemental antennas and arrays.

EEL 5572 C LOCAL AREA NETWORKS AND INTERFACING  
(3)  
PR: EEL 4512. Network components: Communication terminals. PC's telephone, etc. Basics of LAN's, Tx media topologies, access methods, and LAN characteristics. Interfacing of terminals and PC's to LAN's; NAU's and other interfacing devices; interface selection. LAN design issues, repeaters, timing circuits, gateways.

EEL 5563 DIGITAL CONTROL SYSTEMS  
(3)  
PR: EEL 4657. Sample data and digital control processes.

EEL 5754C MICROPROCESSOR BASED DIGITAL SIGNAL PROCESSING  
(3)  
PR: EEL 4705 or CC. Arithmetic systems, processing structures, efficient algorithms. DSP hardware, TI, NEC and other DSP microprocessors, multiprocessing hardware and software. System development. Application to telecommunications and voice processing.

EEL 5820 IMAGE PROCESSING  
(3)  
PR: EEL 5755 or CC. Two-dimensional signal processing 2-D, random fields. Image data compression; image enhancement, and object detection. Image processing by computers, applications of image processing.

EEL 5935, 5936, 5937 SPECIAL ELECTRICAL TOPICS I, II, III (1-3 each)  
PR: CC.

ELR 3301L LABORATORY  
(1)  
PR: EGN 3373.

ELR 3302L LABORATORY  
(1)  
PR: ELR 3301L and EEL 3302, CR: EEL 4305.

ELR 4305L LABORATORY III  
(1)  
PR: ELR 3302L, EEL 4305.

ELR 4306L LABORATORY  
(1)  
PR: ELR 3301L CR: EEL 4411.

INDUSTRIAL AND MANAGEMENT SYSTEMS  

EIN 4300 INTRODUCTION TO INDUSTRIAL ENGINEERING  
(3)  
History of industrial engineering. Introduction to basic industrial processes and controls. Students research specific industries and visit local industrial plants.
EIN 4312C WORK ANALYSIS (3)
PR: EGN 3613, EGN 3443; CR: AGC 3074. Operation analysis and
workspace design, work measurement, standard data, ergonomics,
and labor costing.

EIN 4313C HUMAN FACTORS (3)
Design of man-machine systems, by taking into consideration
both human and machine capabilities and limitations.

EIN 4333 PRODUCTION CONTROL (3)
PR: ESI 4312. Planning and control of production systems.
Includes: forecasting and inventory control models, scheduling
and sequencing, MRP, CPM/PERT, and resource requirements.

EIN 4364C FACILITIES DESIGN I (3)
PR: EIN 4312 EIN 4411. Design and modification of industrial
production and material handling facilities. Basic analysis tech­
niques, use of computer programs, automated warehousing.

EIN 4365 FACILITIES DESIGN II (3)
PR: EIN 4364. CAD/CIM, complete design of a plant facility.
Course to use computers and software geared toward plant
design and operation. A team of students is to be responsible for
the complete project.

EIN 4411 MANUFACTURING PROCESSES (3)
PR: EGN 3365. The study of basic manufacturing processes and
precision assembly: CAD/CAM including NC programming.

EIN 4411L AUTOMATION AND ROBOTICS (3)
PR: EIN 4411. Introduction to the practices and concepts of auto­
mation as applied to material handling, inventory storage, mate­
rial transfer, industrial processes and quality control.

EIN 4933 SPECIAL TOPICS IN INDUSTRIAL ENGINEERING (1-5)
Specialized topics on economic analysis, optimization, human
factors, manufacturing and automation aspect of industrial
systems. Repeatable up to 5 credit hours.

EIN 5245 WORK PHYSIOLOGY AND BIOMECHANICS (3)
PR: CC. A study of the human physiological limitations encoun­
tered in the design, analysis and evaluation of man-machine
systems.

EIN 5253 HUMAN PROBLEMS IN AUTOMATION (3)
The study of analysis of combined human operations, automated
processes, and robotics in industrial environments.

EIN 5301C INDUSTRIAL ENGINEERING CONCEPTS (3)
Survey of industrial and management engineering methodology.
Work measurement, methods, production and inventory con­
trol, and facility design.

EIN 5322 PRINCIPLES OF ENGINEERING MANAGEMENT (3)
Introduction to the fundamentals of accounting, finance, man­
agement, and marketing as needed by engineers, scientists, and
other professionals in managerial positions.

EIN 5357 ENGINEERING VALUE ANALYSIS (3)
Statistical models for analyzing engineering alternatives from an
economic viewpoint. The use of advanced engineering economy
concepts in solving industrial problems.

EIN 5388 TECHNOLOGY FORECASTING (3)
Introduction to forecasting techniques used to plan and schedule
production and inventory control functions. Smoothing and de­
composition time-series methods, regression methods, and auto­
regressive/moving average methods are presented. Integrating
forecasting and planning into the engineering organization is dis­
cussed.

EIN 5514 SPECIAL INDUSTRIAL PROJECTS (1-3)
PR: CC.

ESI 4161C COMPUTERS IN INDUSTRIAL ENGINEERING (3)
PR: EGN 2210. Use of micro and mini computer systems for in­
dustrial engineering applications. Review of available software
packages. Use of computers for CAD/CAM System.

ESI 4221 INDUSTRIAL STATISTICS AND QUALITY CONTROL (3)
PR: EGN 3443. Application of statistical techniques to the control
of industrial processes. Control charts, acceptance sampling,
design of experiments, analysis of variance and regression.

ESI 4244 DESIGN OF EXPERIMENTS (3)
PR: EGN 3443. Activity forecasting models and control. Design
and use of inventory control models, both designs applicable to
engineering analyses. Analysis of variance and regression.

ESI 4312 DETERMINISTIC O. R. (3)
PR: EGN 4450. An introduction to operations research tech­
niques with particular emphasis on deterministic models. Linear
programming, dynamic programming, goal programming, inte­
ger programming, and PERT/CPM networks are considered.

ESI 4313 PROBABILISTIC O. R. (3)
Discrete and continuous time processes, queueing models, inven­
tory models, simulation models, Markovian decision process and
decision analysis.

ESI 4523 INDUSTRIAL SYSTEMS SIMULATION (3)
PR: ESI 4313. A study of the development and analysis of
computer simulation models. Monte Carlo, time-slice, and next­
event. Introduction to special purpose simulation languages.

ESI 4905 INDEPENDENT STUDY (1-5)
PR: CI. Specialized independent study determined by the stu­
dent's needs and interests. May be repeated up to 15 credit hours.
(S/U only.)

ESI 4911 SENIOR PROJECT (2)
PR: EIN 4364, CR: EIN 4333, ESI 4523. Analysis and design of
systems in a directed project format. Individual or group work
consisting of project proposal, project activities, and final report.
Student projects are directed by faculty, with chairman's ap­
proval.

ESI 5219 STATISTICAL METHODS FOR ENGINEERING MANAGERS (3)
Study of statistical methods applied to engineering management
problems involving estimation and prediction under conditions of
uncertainty. Not open to students who have had EGN 3443.

ESI 5236 RELIABILITY ENGINEERING (3)
PR: EGN 3443 or equivalent. Fundamental concepts of reliability,
estimation of reliability of systems and components. Measures of
availability, maintainability and reliability.

ESI 5306 OPERATIONS RESEARCH FOR ENGINEERING MANAGEMENT (3)
Linear programming, non-linear programming, queueing, inven­
tory, network analysis. Not open to students who have had ESI
4315.

ESI 5472 MANUFACTURING SYSTEMS ANALYSIS (3)
PR: CC. The study of systems of manufacturing entities such as
machine tools, robots, and materials handlers. Emphasis is on
mathematical description of integrated systems and system op­
timization.

ESI 5522 COMPUTER SIMULATION II (3)
PR: ESI 4523 or equivalent. Design of discrete and continuous
simulation models. Model validation and verification. Statistical
analysis of simulation model output.

MECHANICAL ENGINEERING

EAS 4121 HYDRO AND AERODYNAMICS (3)
PR: EML 3701, MAP 4302. Advanced fluid dynamics, ideal and
inviscid flow around immersed bodies.

EML 3262 KINEMATICS AND DYNAMICS OF MACHINERY (3)
PR: MAC 3282, PHY 3048, EGN 3321. Kinematics of machines and
mechanisms; position, velocity, and acceleration analysis of
mechanisms; cams; gear trains; inertia forces in mechanisms;
flywheels; balancing of rotating masses.

EML 3303 MECHANICAL ENGINEERING LAB I (3)
PR: EML 3500, EML 3701, EML 4041. Engineering laboratory
measurements. Use of the library and the writing of technical
reports. Experiments in the measurement of temperature, pres­
sure, fluid flow, psychrometrics, concentration, viscosity. Mass­
energy balances of simple systems.

EML 3500 MACHINE ANALYSIS AND DESIGN I (3)
PR: EGN 3311, EGN 3365. Stress and deflection analysis of
machine parts, variable loads, endurance limits, fasteners, bear­
ings, power transmission, code consideration of pressure and
vacuum vessels, elements of design.

EML 3701 FLUID SYSTEMS (2)
PR: EGN 3343; Principles of fluid flow; piping and duct systems;
fluid machinery; metering of compressible and incompressible
flow; boundary layer theory; dimensional analysis; introduction
to aerodynamics.

EML 4041 COMPUTATIONAL METHODS (3)
PR: EGN 2210, EGN 4450. Techniques to solve engineering prob­
lems using numerical methods and digital computers. Topics in­
clude roots of equations, simultaneous linear equations, numeri­
cal integration and differentiation, and curve fitting.
EML 4106C THERMAL SYSTEMS AND ECONOMICS (3)
PR: EGN 3343. Power and Refrigeration Cycles; fuels and combustion; internal combustion engine cycles; co-generation; nuclear energy; methods of economic analysis.

EML 4142C HEAT TRANSFER I (3)
PR: EML 3701, EML 4041. Conduction, convection and radiant heat transfer; thermal properties of materials; role of fluid flow in convective heat transfer; design and selection of heat exchangers.

EML 4220 VIBRATIONS (3)

EML 4206C DYNAMICS OF MACHINERY I (3)
PR: EML 3262. Static forces and inertia forces in machines, flywheels, balancing rotating masses, balancing reciprocating masses, gyroscopic effects, mathematical analysis lumped parameter linear mechanical systems.

EML 4302 MECHANICAL ENGINEERING LABORATORY II (3)
PR: EML 3303, ELM 4142. Continuation of EML 3303 with emphasis on material and energy balances, stress analysis and vibrations. Lec.-Lab. The Team-Project-Time Approach.

EML 4312 MECHANICAL CONTROLS (3)

EML 4419C PROPULSION I (3)
PR: EML 3701, EML 3500 or CI. Introduction to the design of propulsion systems. Basic analysis of internal combustion, jet and rocket engines. Application to ground and air transportation. Advanced propulsion concepts. Special topics for class discussion.

EML 4501 MACHINE DESIGN (3)
PR: EML 3500, EML 3264. Continuation of EML 3500. Antifriction bearings, journal bearings, power transmission, shafting.

EML 4551 CAPSTONE DESIGN -XMW (3)
PR: EML 4501. Comprehensive design or feasibility project requiring application of previously acquired engineering knowledge; use of ANSYS and CAD.

EML 4552 SENIOR MECHANICAL DESIGN (3)
PR: EML 4551 or CC. Comprehensive design or feasibility study project. In some cases may be a continuation of EML 4551.

EML 4601 AIR CONDITIONING DESIGN (3)

EML 4905 INDEPENDENT STUDY (1-4)
PR: CI. Specialized independent study determined by the student's needs and interests. May be repeated up to 15 credit hours.

EML 4930 SPECIAL TOPICS IN MECHANICAL ENGR. I (1-4)
PR: CC. May be repeated up to 9 credit hours.

EML 4931 SPECIAL TOPICS IN MECHANICAL ENGR. II (1-4)
PR: CC. May be repeated up to 9 credit hours.

EML 5225 ACOUSTICS AND NOISE CONTROL (3)

EML 5245 TRIBOLOGY (3)

EML 5325 MECHANICAL MANUFACTURING PROCESSES (3)
PR: CI. Description of mechanical material cutting, forming and fabrication methods, as used in modern industrial manufacturing processes.

EML 5395 MOTOR SELECTION AND CONTROL (3)
PR: EGN 3373, EGN 3433. Standard electrical voltages; power wiring in industrial plants; NEMA motor designs, techniques for estimating motor starting times and temperature rise; motor selection; starting and operating safety interlocks; conventional motor starting and control systems; direct digital (programmable) controls; electrical code requirements for conductors and protective devices.

EML 5930 SPECIAL TOPICS III (1-4)
PR: CC. May be repeated up to 9 credit hours.

EML 5931 SPECIAL TOPICS IV (1-4)
PR: CC. May be repeated up to 9 credit hours.
COLLEGE OF FINE ARTS
UNIVERSITY OF SOUTH FLORIDA - 1994/95 UNDERGRADUATE CATALOG

ART

DANCE

MUSIC

MUSIC EDUCATION
Director: C. P. Doane; Professors: V. A. Bridges, C. P. Doane, J. J. Heller; Associate Professor: J. W. Richmond; Assistant Professor: J. L. S. Moore.

THEATRE

ART
ARH 4350 BAROQUE AND ROCOCO ART
A comprehensive study of the painting, sculpture and architecture in France, Italy, Spain and the Netherlands in the seventeenth and early eighteenth centuries.

ARH 4430 NINETEENTH CENTURY ART
A comprehensive study of nineteenth century painting, sculpture and architecture in America and Europe. Gender/multicultural issues and methodologies in 19th century art are emphasized.

ARH 4450 TWENTIETH CENTURY ART
A comprehensive study of painting, sculpture and architecture from Cezanne to the present in Europe and the United States. Required of all art majors.

ARH 4530 ORIENTAL ART
An introduction to concepts of the arts of China, Japan and other Far Eastern countries.

ARH 4790 SELECTED TOPICS IN THE HISTORY OF FILM
In-depth investigation of a selected period, development, or school in the history of film as art. May be repeated.

ARH 4796 CRITICAL STUDIES IN ART HISTORY - 6A
PR: CI. Specialized intensive studies in art history. Specific subject matter varies. To be announced at each course offering. May be repeated for different topics only.

ARH 4937 SEMINAR IN THE HISTORY OF ART HISTORY
PR: Four courses in Art History at the 4000 level. CI. An examination of the origins of Art History as a discipline and changing nature of Art History from Vasari to the present.

ARH 5385 CULTURAL AND INTELLECTUAL HISTORY OF RENAISSANCE AND BAROQUE ART
A course in which Renaissance and Baroque theories of art are treated as part of general cultural and intellectual history.

ARH 5451 CULTURAL AND INTELLECTUAL HISTORY OF MODERN ART
A course in which theories of modern artists, and of critics and historians of Modernism are treated as a part of general Culture and Intellectual History.

ARH 5795 METHODS OF ART HISTORY
This course introduces students to various methods which art historians have used to analyze the form and content of individual works of art, and to various modes of historical explanation. (Must be taken during the student's first two semesters in the program.)

ARH 5797 GALLERY AND MUSEUM INTERNSHIP
By working in Bay Area museums or galleries, students will become familiar with various museological operations. Internships vary owing to the work at hand in particular museums, but possible areas of work include registration, installation, conservation, writing of grants, or museum education. (Students are eligible after completing one semester in the program.) SU/Only.

ART 2201C VISUAL CONCEPTS I -FA
An introduction to basic visual art studio concepts. Topics include the nature of art, the visual language of its form, modes of representation, and visual art theory. Studio problems supplemented by lecture and discussion. Emphasis on images of implied time and space.

ART 2203C VISUAL CONCEPTS II -FA
Continuation of issues begun in ART 2201C Visual Concepts I, with additional emphasis on images of real time and space and durational elements.

ART 2930 SELECTED TOPICS IN ART
The content of this course will be determined by student demand and instructor interest. May be repeated with different topics. (Open University offerings under this number may not be counted for degree credit for art majors.)

ART 3110C CERAMICS
PR: ARH 3001 and ART 2203C. Intermediate problems in ceramics and emphasis on the exploration of methods and media and the development of individual concepts.

ART 3222 INTRODUCTION TO COMPUTER IMAGES
PR: ARH 3001, ART 2201C, and ART 2203C. An introductory exploration of the issues and practices involved in the creation of experimental computer art. The course focuses on an interdisciplinary approach to electronic media. Available to majors and non-majors.
ART 3301C DRAWING I  
PR: ART 2201C and ARH 3001. Intermediate projects exploring the methods, media, and concepts of drawing.

ART 3420C LITHOGRAPHY I  
PR: ARH 3001, ART 2201C, and ART 3301C. Intermediate projects in lithography with emphasis on the exploration of methods and media and development of individual concepts.

ART 3468 MULTI-MEDIA PRINTMAKING  
PR: ARH 3001, ART 2201C, ART 3301C. Investigation of Printmaking Media including: monoprinting, collograph, relief printing and the dimensional print with emphasis on the development of individual concepts.

ART 3469 PHOTO-PRINTMAKING  
PR: ARH 3001, ART 2201C, ART 3301C. Investigation of Photo-Printmaking and Darkroom Techniques including: Photo Etching, Photo Screen Printing, Photo Woodcut, and Photogravure with emphasis on development of individual concepts.

ART 3470C INTAGLIO I  
PR: ARH 3001, ART 2201C, ART 3301C. Introduction to Art and Drawing I. Intermediate projects in intaglio with emphasis on the exploration of methods and media and the development of individual concepts.

ART 3510C PAINTING I  
PR: ARH 3001, ART 2201C, ART 3301C. Intermediate projects in painting with emphasis on the exploration of methods and media and the development of individual concepts.

ART 3701C SCULPTURE I  
PR: ART 2203C and ART 3001. Intermediate projects in sculpture with emphasis on contemporary theory and issues, the development of individual concepts and the exploration of materials, tools and processes.

ART 3935 STUDIO TECHNIQUES: SELECTED PROJECTS  
PR: ARH 3001, ART 2201C, ART 2203C, and Cl. Concentration in specialized technical data and process. May be repeated for credit for different topics only.

ART 4111C CERAMICS II  
PR: ART 3110C. Continued problems in ceramics. May be repeated.

ART 4223 ADVANCED COMPUTER IMAGES  
PR: ART 3222 or Cl. Advanced exploration of issues and practices involved in the creation of experimental computer art. The course continues as an interdisciplinary approach to electronic media with a focus on individual and group projects.

ART 4224 COMPUTER ANIMATION  
PR: ART 4223. Exploration of issues and practices involved in the creation of computer animations, focused on individual creative growth.

ART 4320C DRAWING II  
PR: ART 3301C. Continued projects in drawing. May be repeated.

ART 4471C INTAGLIO II  
PR: ART 3470C. Continued projects in intaglio. May be repeated.

ART 4520C PAINTING II  
PR: ART 3510C. Continued projects in painting. May be repeated.

ART 4702C SCULPTURE II  
PR: ART 3701C. Continued problems in sculpture. May be repeated.

ART 4900 DIRECTED READING  
PR: CI and CC. A course of reading and study in an area of special concern governed by student demand, instructor interest and/or departmental requirements. Registration by contract only. May be repeated for credit for different study areas only.

ART 4905 DIRECTED STUDY  
PR: CC. Independent studies in the various areas of Visual Arts. Course of study and credits must be assigned prior to registration. May be repeated. One credit may be resolved for personal projects.

ART 4930 SELECTED TOPICS IN ART  
The content of this course will be determined by student demand and instructor interest. May be repeated with different topics. (Open University offerings under this number may not be counted for degree credit for art majors.)

ART 4935 ART SENIOR SEMINAR  
PR: Senior Status. To aid majors to understand, appraise, and perfect their own art and technique through critical and aesthetic judgments of their colleagues. Discussion and critical evaluation.

Admission to all 5000-level studio courses by Consent of Instructor.

ART 5125C CERAMICS  
PR: ART 4111C. Advanced projects in the various ceramic techniques including throwing and glaze calculation. May be repeated.

ART 5340C DRAWING  
PR: ART 4320C. Advanced projects in various drawing techniques. Emphasis on individual creative expression. May be repeated.

ART 5422C LITHOGRAPHY  
PR: ART 4421C. Advanced projects in various lithographic techniques. Emphasis on individual creative expression. May be repeated.

ART 5970C INTAGLIO  
PR: ART 4471C. Investigations into more complex intaglio processes including photocomposing and color printing procedures. Emphasis on personal conceptual development in graphic media. May be repeated.

ART 5536 PAINTING  
PR: ART 4520C. Advanced projects in the various painting techniques. Emphasis on individual creative expression. May be repeated.

ART 5730C SCULPTURE  
PR: ART 4702C. Advanced problems in the various techniques of sculpture. Emphasis on individual creative expression. May be repeated.

ART 5910 RESEARCH  
PR: CC. May be repeated.

ART 5936 STUDIO TECHNIQUES: SELECTED PROJECTS  
PR: ARH 3001, ART 2201C, ART 2203C, the topic/technique-related 3000-4000 level studio sequence and Cl. Concentration in specialized media or processes. May be repeated for credit for different topics only.

FIL 3001 FILM: THE LANGUAGE OF VISION -6A-FA  
Open to both majors and non-majors. Exploration of the history of creative filmmaking from its beginnings to the present time. May not be repeated.

FIL 3510C FILM I  
PR: ARH 3001 and ART 2201C. Intermediate problems in film with emphasis on the exploration of materials and media and the development of individual concepts.

PGY 4520C FILM II  
PR: FIL 3510C. More advanced projects in filmmaking to further develop works both technically and conceptually.

PGY 3401C PHOTOGRAPHY I  
PR: Visual Concepts I and II. Introduction to the expressive possibilities of photographic media. Projects and assignments will introduce students to both traditional and experiential ways of working with light-sensitive materials with an emphasis on the interdependence of form, technique, and concept. The course will also provide an overview of significant trends and directions in contemporary art photography.

PGY 4410C PHOTOGRAPHY II  
PR: PGY 3401C. Continued problems in photography. May be repeated.

PGY 5425C PHOTOGRAPHY  
PR: CI. Advanced work in photography and related media leading to development of personal/expressive statements. May be repeated.

PGY 5530C CINEMATOGRAPHY  
PR: PGY 4520C. Advanced studio work using black and white, color and sound as technical and aesthetic factors in visual, artistic productions. May be repeated.

DANCE  
DAA 2000 THEATRE DANCE STYLES  
PR: DAA 2100 or DAA 2200 or CI. Development of technical skills in traditional and historical dance forms frequently stylized for use by dance choreographers. Forms to be studied will include polka, clogging, waltz, folk, tap dancing, etc. May be repeated up to 4 credit hours.
DAA 2100 FUNDAMENTALS OF MODERN DANCE I (2)  
To acquaint beginning modern students with fundamentals of dance vocabulary, movement, rhythm and alignment. May be repeated.

DAA 2104 MODERN DANCE II (3)  
PR: Admission by audition. Study of principles of modern dance technique. Practical work in exercises and movement phrases, utilizing changing rhythms and dynamics. Concert and performance attendance required. May be repeated.

DAA 2200 FUNDAMENTALS OF BALLET I (2)  
To acquaint beginning ballet students with fundamentals of vocabulary, movement, rhythm, and alignment. May be repeated.

DAA 2204 BALLET II (3)  
PR: Admission by placement audition. Positions and barre exercises. Emphasis on correct alignment of the body and the application of simple step combinations in centre work. The use of ballet vocabulary (French terms). Material is covered almost totally as practical work in class with a few outside projects. Concert and performance attendance required. May be repeated.

DAA 2500 FUNDAMENTALS OF JAZZ DANCE (2)  
A basic movement course in Jazz Dance involving dance vocabulary, alignment, styles and simple rhythmic movement patterns. May be repeated up to 4 credit hours.

DAA 2704 DANCE IMPROVISATION (2)  
For majors and non-majors. Exploring various methods of spontaneously creating dance movement in individual and group situations. Structured and unstructured approaches will be explored. May be repeated up to 4 credit hours.

DAA 3105 MODERN DANCE III (3-4)  
PR: Admission by placement audition. Continuation of DAA 2104. Further emphasis on style and phrasing. Work on projecting mood and quality by dancing and rehearsing in more advanced choreography, leading to performance. May by repeated.

DAA 3205 BALLET III (3-4)  
PR: Admission by placement audition. Continuation of DAA 2204. Intensification of barre exercises for the development of strength and the manipulation of phrasing and movement. Material covered as practical work in class for concerts and performances. May be repeated.

DAA 3220 BALLET VARIATIONS (1)  
PR: DAA 3202. This course provides instruction in various forms of ballet. Semester courses include: Pointe technique, Men's Character Dance, Spanish Dance and Partnering. Ballet majors are required to complete two semester hours. May be repeated.

DAA 3400 REPERTORY (1)  
The development and performance of solo and/or group dances. Open to all University students by audition. May be repeated.

DAA 3480 PERFORMANCE (1)  
PR: Admission by audition or CC. Open to all university students proficient in dance techniques. Rehearsal and performance of works presented by the department. May be repeated up to 10 credit hours.

DAA 3502 JAZZ DANCE (2)  
PR: Admission by placement audition, DAA 2204 or 2104. A technique class for the intermediate level dancer to become acquainted with the dance styles and forms of musical theatre and concert jazz dance. Emphasis is on highly stylized movement on a strong rhythmic base. May be repeated.

DAA 3503 JAZZ THEATRE DANCE (3)  
PR: Admission by placement audition and DAA 3502. Continuation of DAA 3502. Further emphasis on projection, phrasing, rhythmic patterns and dynamics. Solo and ensemble studies leading to performance. May be repeated.

DAA 3700 CHOREOGRAPHY I (2)  
Study and execution of basic principles of composition. Preparation of studies in choreography. May be repeated.

DAA 3701 CHOREOGRAPHY II (2)  
PR: DAA 3700 or CI. Preparation of studies in rhythm, dynamics, form and motivation. May be repeated.
DAN 4905 DIRECTED READING (2)
PR: CI and CC. Readings in topic of special interest to the student. Selection of topics and materials must be agreed upon and appropriate credit must be assigned prior to registration. A contract with all necessary signatures is required for registration. May be repeated for credit for different topics only.

DAN 4906 DIRECTED STUDY (1-5)
PR: CI. CC. Independent studies in the various areas of Dance. Course of study may be used to fulfill Junior Project. Must receive approval prior to registration.

DAN 4930 SELECTED TOPICS IN DANCE (1-5)
PR: CI and CC. The content of the course will be governed by student demand and instructor interest. May be repeated for credit for different topics only.

MUSIC

MUC 2221 COMPOSITION (3)
PR: MUT 1112 and CI. Private instruction in original composition. Required of composition majors. May be repeated for three semesters.

MUC 2301 INTRODUCTION TO ELECTRONIC MUSIC (3)
History and repertory of electronic music; standard sound studio techniques; basic electronics as applied in electronic sound synthesis; mathematics for music, composition and electronic music.

MUC 3231 COMPOSITION (3)
PR: Necessary competency at MUC 2221 level determined by faculty jury. Private instruction in original composition. Required of composition majors. May be repeated for three semesters.

MUC 3401, 3402 ELECTRONIC MUSIC-ANALOG SYNTHESIS (3,3)
PR: MUC 2301 and Cl. Composition for tape medium with analog synthesizers; use of sound recording studio; repertory or analog music synthesis; technical basis of analog systems design and construction.

MUC 3441, 3442 ELECTRONIC MUSIC-DIGITAL SYNTHESIS (3,3)
PR: MUC 3401 or 3402 and Cl. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 3601 CONTEMPORARY TECHNIQUES OF COMPOSITION (3)
PR: CI. Instruction in the use of major Twentieth-Century compositional techniques; tonal unordered set, and serial composition and the use of indeterminacy in composition and performance.

MUC 4241 COMPOSITION (3)
PR: Necessary competency at MUC 3231 level determined by faculty jury. Private instruction in original composition. Required of composition majors. Must be repeated for credit for a minimum of 6 hours for majors.

MUC 4403, 4404 ELECTRONIC MUSIC-REAL-TIME PERFORMANCE (3,3)
PR: MUC 3402 and MUC 3442 or equivalent. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4501 SEMINAR IN NEW MUSICAL SYSTEMS (3)
PR: CI. Experimental sound sources and ensemble groupings; creation of new instruments; unfamiliar sonic materials and unique social contexts for music. May be repeated for credit.

MUG 3101 BASIC CONDUCTING (2)
PR: CI. The study and practical application of basic conducting techniques. Development of skills related to the conducting of musical scores.

MUG 4302 INSTRUMENTAL CONDUCTING (2)
PR: MUG 3101 & CI. A study of those techniques of conducting unique to instrumental music ensembles: baton technique, score reading, terminology, rehearsal management.

MUG 2019 HISTORY OF POPULAR MUSIC (2)
Popular music in the U.S. from 1820 to present. Units on the big band era, country and western, jazz, Black music, and the rock scene beginning in 1955. May be used for University General Distribution Requirements and may be used to satisfy part of the 6 hours in-Course Requirement for Fine Arts majors in Art, Dance, Theatre and as a music elective.

MUA 2051 FOLK AND TRADITIONAL MUSIC OF WORLD CULTURES (3) -FA -MW
A comparative survey of the stylistic traits and functions of the folk and traditional music, both sacred and secular, of diverse Western and non-Western cultures. For non-majors; may be taken by majors as an elective with departmental approval.

MUA 2832 MUSIC IN THE UNITED STATES -FA
Designed for majors and non-majors, this course will use live performances, videotapes, and recordings to illustrate music as practiced in America from Colonial to present times. Included in the course will be the study of the contributions of various ethnic/minority groups, and discussions of the relevant social issues connected with these contributions.

MUA 3016 SURVEY OF JAZZ -FA
An in-depth study of the historical study of jazz, including the representative music, literature, and sociological implications.

MUA 3300 MUSIC HISTORY/MEDIEVAL AND RENAISSANCE (2)
PR: CI. Required of music majors; a study of the historical development of musical styles of the Medieval and Renaissance periods and of the music of those periods.

MUA 3301 MUSIC HISTORY/BAROQUE AND CLASSIC -XMW (3)
PR: MUL 2111 or CI. A study of the historical development of musical styles of the Baroque and Classic periods and of the music of those periods. Required of music majors; open to non-majors with CI.

MUA 3302 MUSIC HISTORY/ROMANTIC AND 20TH CENTURY -XMW (3)
PR: MUL 2111 or CI. A study of the historical development of musical styles of the Romantic and Twentieth Century eras and of the music of those periods. Required of music majors; open to non-majors with CI.

MUA 4052 INTERCULTURAL MUSIC IN THE TWENTIETH CENTURY -XMW (3)
An in-depth investigation of composers born after ca. 1880, from all parts of the world, who have attempted to integrate elements from two or more cultures into their compositions. This course is open to majors and non-majors.

MUA 4801 HISTORY OF JAZZ (3)
PR: MUL 1112 or CI. An in-depth study of the historical development of Jazz, including the representative musical literature and sociological implications.

MUL 2001 ISSUES IN MUSIC (2-3)
Open only to non-music majors; lectures and live performances by artist faculty of significant works from the literature for the piano; analysis and illustration in performance of the abstract and aesthetic elements in music which vitally concern the artist-performer. (S/U only.)

MUA 3011, 3012 THE DEVELOPMENT OF MUSIC -FA (3,3)
Open only to non-music majors; a study in the art of music and its materials, designed to develop an understanding of basic and a technique for listening to music.

MUL 2111 INTRODUCTION TO MUSIC LITERATURE -6A -FA (3)
PR: MUL 1112 or CI. A survey of representative music exemplars of the past and present with emphasis on the study of styles and form. Required for music majors.

MAJOR PERFORMING ENSEMBLES (below)

MUN 3143 WIND ENSEMBLE (1)
MUN 3213 UNIVERSITY ORCHESTRA (1)
MUN 3313 UNIVERSITY SINGERS (1)
MUN 3383 UNIVERSITY-COMMUNITY CHORUS (1)
MUN 3453 PIANO ENSEMBLE (1)
MUN 3713 JAZZ ENSEMBLE (1)
MUN 3503 OPERA WORKSHOP (1)

CHAMBER MUSIC ENSEMBLES (below)

MUN 3343 CHAMBER SINGERS (1)
MUN 3411 STRING QUARTET (1)
MUN 3420 SAXOPHONE ENSEMBLE (1)
This course is required whenever a student registers for concerts throughout the semester. The requirement for attendance at ten (10) department-approved recitals/concerts throughout the semester. (S/U Grading only).

MUS 4930 SELECTED TOPICS IN MUSIC (1-4)
PR: CI and CC. The content of the course will be governed by student demand and instructor interest. May be repeated for credit for different topics only.

MUS 5900 DIRECTED READING (1-3)
PR: CI and CC. Readings in topic of special interest to the student. Selection of topic and materials must be agreed upon and appropriate credit must be assigned prior to registration. A contract with all necessary signatures is required for registration. May be repeated for credit for different topics only.

MUS 5927 ORCHESTRA WORKSHOP (1-2)
MUS 5929 STRING WORKSHOP (1-2)
MUT 1001 RUDIMENTS OF MUSIC (2)
Open to nonmusic majors; development of skills in hearing and performing music in and basic notation. Will not count as degree credit for music majors.

MUT 1111, 1112 MUSIC THEORY (3,3)
PR: CI. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis and examples from all historical periods of music literature.

MUT 1241, 1242 AURAL THEORY (1,1)
PR: CI. Course designed to begin training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing. To be taken concurrently with MUT 1111, 1112.

MUT 2117 MUSIC THEORY (3,3)
PR: MUT 1112. Required of music majors, continuation of MUT 1111 and 1112.

MUT 2246, 2247 ADVANCED AURAL THEORY (1,1)
PR: MUT 1242. Course designed to continue training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing. To be taken concurrently with MUT 2116, 2117.

MUT 3353 JAZZ COMPOSITION AND ARRANGING I (3)
PR: MUT 1112 and CI. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic, and melodic practices.

MUT 3354 JAZZ COMPOSITION AND ARRANGING II (3)
PR: MUT 1112 and CI. Course designed to develop arranging and/or compositional skills in the jazz idiom through the study of jazz orchestration, harmonic and melodic practices.

MUT 3641 JAZZ THEORY AND IMPROVISATION I (2)
PR: MUT 1112 and/or CI. A study of jazz improvisational techniques and related jazz theory.

MUT 3642 JAZZ THEORY AND IMPROVISATION II (2)
PR: MUT 3641 or CI. A study of jazz improvisational techniques and related jazz theory.

MUT 3663 JAZZ STYLES AND ANALYSIS I (2)
PR: MUT 3642 or CI. A studio course study of the improvised solos of the major innovators in jazz. Oriented toward the continuing development of students' soloing ability. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

MUT 3664 JAZZ STYLES AND ANALYSIS II (2)
PR: Standards of Jazz Style and Analysis I or CI. A continuation of Jazz Style and Analysis I with the emphasis on contemporary jazz artists. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

MUT 4411 SIXTEENTH CENTURY PRACTICE (3)
PR: MUT 2117. A study of the music of the 16th century from a theoretical standpoint; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

MUT 4421 EIGHTEENTH CENTURY PRACTICE (3)
PR: MUT 2117. An intensive study of the contrapuntal practice of the 18th century; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

MUT 4571 TWENTIETH CENTURY PRACTICE (3)
PR: MUT 2117. A study of 20th century theoretical concepts; development of skills in perceiving and writing music in contemporary styles through the use of aural and visual analysis.

MUT 5051 GRADUATE REVIEW OF MUSIC THEORY (2)
A graduate level survey of basic theoretical concepts with emphasis on the common practice period. The course serves to satisfy deficiencies in music theory and does not count toward the graduate degree requirements.

SECONDARY APPLIED MUSIC COURSES (below)
PR: CI. One-half-hour private lesson or one hour class per week for music students wishing to gain proficiency in an area other than their applied performance major and for a limited number of nonmusic majors who have had prior musical training. Course is open by audition only.

MVW 1212 APPLIED VIOLIN
MVW 1213 APPLIED VIOLA
MVW 1214 APPLIED VIOLONCELLO
MVW 1215 APPLIED BASS
MVW 1216 APPLIED DOUBLE BASS
MVW 1217 APPLIED HORN
MVW 1218 APPLIED TROMBONE
MVW 1219 APPLIED BASSOON
MVW 1220 APPLIED TIMPANI
MVW 1221 APPLIED TRUMPET
MVW 1222 APPLIED TRUMPET
MVW 1223 APPLIED FIELD DRUM
MVW 1224 APPLIED SNARE DRUM
MVW 1225 APPLIED Tuba
MVW 1226 APPLIED BARITONE HORN
MVW 1227 APPLIED BASS Tuba
MVW 1228 APPLIED BASS Tuba
MVW 1229 APPLIED TROMBONE
204  COLLEGE OF FINE ARTS

CLASS PIANO COURSES (below)
PR: Cl. Class is elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.
MVK 1111 KEYBOARD SKILLS I (2)
MVK 1121 KEYBOARD SKILLS II (2)
MVK 1211 KEYBOARD SKILLS III (2)
MVK 2121 KEYBOARD SKILLS IV (2)
MVW 3111 MUSIC MAJORS, LEVEL V (2)
MVW 1811 BEGINNING PIANO I (2)
MVW 1821 BEGINNING PIANO II (2)
MVW 2821 INTERMEDIATE PIANO (2)

APPLIED MUSIC COURSES PRINCIPAL (below)
PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. May be repeated for credit.
Applied music courses are NOT available on S/U basis.
MVB 1311 TRUMPET PRINCIPAL (2)
MVB 1312 FRENCH HORN PRINCIPAL (2)
MVB 1313 EUPHONIUM PRINCIPAL (2)
MVB 1315 TUBA PRINCIPAL (2)
MVJ 1311 VIOLIN PRINCIPAL (2)
MVJ 1314 JAZZ BASS PRINCIPAL (2)
MVK 1311 PIANO PRINCIPAL (2)
MVK 1313 ORGAN PRINCIPAL (2)
MVP 1311 PERCUSSION PRINCIPAL (2)
MVS 1311 VIOLIN PRINCIPAL (2)
MVS 1312 VIOLA PRINCIPAL (2)
MVS 1313 VIOLONCELLO PRINCIPAL (2)
MVS 1314 DOUBLE BASS PRINCIPAL (2)
MVS 1315 HARP PRINCIPAL (2)
MVS 1316 CLASSICAL GUITAR PRINCIPAL (2)
MVV 1311 VOICE PRINCIPAL (2)
MVW 1311 FLUTE PRINCIPAL (2)
MVW 1312 OBOE PRINCIPAL (2)
MVW 1313 CLARINET PRINCIPAL (2)
MVW 1314 BASSOON PRINCIPAL (2)
MVW 1315 SAXOPHONE PRINCIPAL (2)

APPLIED MUSIC COURSES PRINCIPAL (below)
PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. Applied music courses are NOT available on S/U basis.
MVB 2321 TRUMPET PRINCIPAL (2)
MVB 2322 FRENCH HORN PRINCIPAL (2)
MVB 2323 TROMBONE PRINCIPAL (2)
MVB 2324 EUPHONIUM PRINCIPAL (2)
MVB 2325 TUBA PRINCIPAL (2)
MVJ 2321 VIOLIN PRINCIPAL (2)
MVJ 2322 VIOLA PRINCIPAL (2)
MVJ 2323 VIOLONCELLO PRINCIPAL (2)
MVJ 2324 DOUBLE BASS PRINCIPAL (2)
MVJ 2325 HARP PRINCIPAL (2)
MVJ 2326 CLASSICAL GUITAR PRINCIPAL (2)
MVV 2321 VOICE PRINCIPAL (2)
MVW 2321 FLUTE PRINCIPAL (2)
MVW 2322 OBOE PRINCIPAL (2)
MVW 2323 CLARINET PRINCIPAL (2)
MVW 2324 BASSOON PRINCIPAL (2)
MVW 2325 SAXOPHONE PRINCIPAL (2)

APPLIED MUSIC COURSES PRINCIPAL (below)
PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. May be repeated for credit three semesters only. Applied music courses are NOT available on S/U basis.
MVB 3321 TRUMPET PRINCIPAL (2)
MVB 3331 FRENCH HORN PRINCIPAL (2)
MVB 3333 TROMBONE PRINCIPAL (2)
MVB 3334 EUPHONIUM PRINCIPAL (2)
MVB 3335 TUBA PRINCIPAL (2)
MVI 3333 JAZZ GUITAR PRINCIPAL (2)
MVI 3334 JAZZ BASS PRINCIPAL (2)
MVK 3331 PIANO PRINCIPAL (2)
MVK 3333 ORGAN PRINCIPAL (2)
MVP 3331 PERCUSSION PRINCIPAL (2)
MVS 3331 VIOLIN PRINCIPAL (2)
MVS 3332 VIOLA PRINCIPAL (2)
MVS 3333 VIOLONCELLO PRINCIPAL (2)
MVS 3334 DOUBLE BASS PRINCIPAL (2)
MVS 3335 HARP PRINCIPAL (2)
MVS 3336 CLASSICAL GUITAR PRINCIPAL (2)
MVV 3331 VOICE PRINCIPAL (2)
MVW 3331 FLUTE PRINCIPAL (2)
MVW 3332 OBOE PRINCIPAL (2)
MVW 3333 CLARINET PRINCIPAL (2)
MVW 3334 BASSOON PRINCIPAL (2)
MVW 3335 SAXOPHONE PRINCIPAL (2)

APPLIED MUSIC COURSES PRINCIPAL (below)
PR: Cl. Required of all music education and composition majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. Applied music courses are NOT available on S/U basis.
MVB 4341 TRUMPET PRINCIPAL (2)
MVB 4342 FRENCH HORN PRINCIPAL (2)
MVB 4343 TROMBONE PRINCIPAL (2)
MVB 4344 EUPHONIUM PRINCIPAL (2)
MVB 4345 TUBA PRINCIPAL (2)
MVJ 4343 JAZZ GUITAR PRINCIPAL (2)
MVJ 4344 JAZZ BASS PRINCIPAL (2)
MVK 4341 PIANO PRINCIPAL (2)
MVK 4343 ORGAN PRINCIPAL (2)
MVP 4341 PERCUSSION PRINCIPAL (2)
MVS 4341 VIOLIN PRINCIPAL (2)
MVS 4342 VIOLA PRINCIPAL (2)
MVS 4343 VIOLONCELLO PRINCIPAL (2)
MVS 4344 DOUBLE BASS PRINCIPAL (2)
MVS 4345 HARP PRINCIPAL (2)
MVS 4346 CLASSICAL GUITAR PRINCIPAL (2)
MVV 4341 VOICE PRINCIPAL (2)
MVW 4341 FLUTE PRINCIPAL (2)
MVW 4342 OBOE PRINCIPAL (2)
MVW 4343 CLARINET PRINCIPAL (2)
MVW 4344 BASSOON PRINCIPAL (2)
MVW 4345 SAXOPHONE PRINCIPAL (2)

APPLIED MUSIC COURSES (below)
PR: Cl. Required of all applied music majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. May be repeated for credit.
MVB 1411 TRUMPET MAJOR (4)
MVB 1412 FRENCH HORN MAJOR (4)
MVB 1413 TROMBONE MAJOR (4)
MVB 1414 EUPHONIUM MAJOR (4)
MVB 1415 TUBA MAJOR (4)
MVJ 1413 JAZZ GUITAR MAJOR (4)
MVJ 1414 JAZZ BASS MAJOR (4)
MVK 1411 PIANO MAJOR (4)
MVK 1413 ORGAN MAJOR (4)
MVP 1411 PERCUSSION MAJOR (4)
MVS 1411 VIOLIN MAJOR (4)
MVS 1412 VIOLA MAJOR (4)
MVS 1413 CELLO MAJOR (4)
MVS 1414 DOUBLE BASS MAJOR (4)
MVS 1415 HARP MAJOR (4)
MVW 1416 CLASSICAL GUITAR MAJOR (4)
MVW 1411 VOICE MAJOR (4)
MVW 1412 FLUTE MAJOR (4)
MVW 1412 OBOE MAJOR (4)
MVW 1413 CLARINET MAJOR (4)
MVW 1414 BASSOON MAJOR (4)
MVW 1415 SAXOPHONE MAJOR (4)
APPLIED MUSIC COURSES (below)

PR: Necessary competency at sophomore level determined by faculty jury examination. Required of all applied music majors. Private and instruction in string, woodwind, brass, and percussion instruments, voice and piano. May be repeated for credit three semesters only.

MVB 2421 TRUMPET MAJOR (4)
MVB 2422 FRENCH HORN MAJOR (4)
MVB 2423 TROMBONE MAJOR (4)
MVB 2424 EUPHONIUM MAJOR (4)
MVB 2425 Tuba MAJOR (4)
MVJ 2424 JAZZ GUITAR MAJOR (4)
MVK 2421 PIANO MAJOR (4)
MVK 2423 ORGAN MAJOR (4)
MVP 2421 PERCUSSION MAJOR (4)
MVS 2421 VIOLIN MAJOR (4)
MVS 2422 VIOLA MAJOR (4)
MVS 2423 CELLO MAJOR (4)
MVS 2424 DOUBLE BASS MAJOR (4)
MVS 2425 HARP MAJOR (4)
MVS 2426 CLASSICAL GUITAR MAJOR (4)
MVW 2421 VIOLIN MAJOR (4)
MVW 2422 VIOLA MAJOR (4)
MVW 2423 CELLO MAJOR (4)
MVW 2424 DOUBLE BASS MAJOR (4)
MVW 2422 OBOE MAJOR (4)
MVW 2423 CLARINET MAJOR (4)
MVW 2424 BASSOON MAJOR (4)
MVW 2425 SAXOPHONE MAJOR (4)

APPLIED MUSIC COURSES (below)

PR: Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. May be repeated for credit three semesters only.

MVB 3431 TRUMPET MAJOR (4)
MVB 3432 FRENCH HORN MAJOR (4)
MVB 3433 TROMBONE MAJOR (4)
MVB 3434 EUPHONIUM MAJOR (4)
MVB 3435 Tuba MAJOR (4)
MVJ 3433 JAZZ GUITAR MAJOR (4)
MVJ 3434 JAZZ BASS MAJOR (4)
MVK 3431 PIANO MAJOR (4)
MVK 3433 ORGAN MAJOR (4)
MVP 3431 PERCUSSION MAJOR (4)
MVS 3431 VIOLIN MAJOR (4)
MVS 3432 VIOLA MAJOR (4)
MVS 3433 CELLO MAJOR (4)
MVS 3434 DOUBLE BASS MAJOR (4)
MVS 3435 HARP MAJOR (4)
MVS 3436 CLASSICAL GUITAR MAJOR (4)
MVW 3431 VIOLIN MAJOR (4)
MVW 3431 FLUTE MAJOR (4)
MVW 3432 OBOE MAJOR (4)
MVW 3433 CLARINET MAJOR (4)
MVW 3434 BASSOON MAJOR (4)
MVW 3435 SAXOPHONE MAJOR (4)

APPLIED MUSIC COURSES (below)

PR: Necessary competency at senior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. May be repeated for credit for minimum of 8 hours for majors.

MVB 4441 TRUMPET MAJOR (4)
MVB 4442 FRENCH HORN MAJOR (4)
MVB 4443 TROMBONE MAJOR (4)
MVB 4444 EUPHONIUM MAJOR (4)
MVB 4445 Tuba MAJOR (4)
MVJ 4443 JAZZ GUITAR MAJOR (4)
MVK 4441 PIANO MAJOR (4)
MVK 4442 ORGAN MAJOR (4)
MVP 4441 PERCUSSION MAJOR (4)
MVS 4441 VIOLIN MAJOR (4)
MVS 4442 VIOLA MAJOR (4)
MVS 4443 CELLO MAJOR (4)
MVS 4444 DOUBLE BASS MAJOR (4)
MVS 4445 HARP MAJOR (4)
MVS 4446 CLASSICAL GUITAR MAJOR (4)

MVV 4441 VOICE MAJOR (4)
MVW 4441 FLUTE MAJOR (4)
MVW 4442 OBOE MAJOR (4)
MVW 4443 CLARINET MAJOR (4)
MVW 4444 BASSOON MAJOR (4)
MVW 4445 SAXOPHONE MAJOR (4)

APPLIED MUSIC COURSES (below)

PR: CI. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. Open to senior and advanced undergraduate students who have completed recital requirements, special non-degree seeking students, and students who have a secondary applied music requirement.

MVB 5251 APPLIED TRUMPET (2-4)
MVB 5252 APPLIED FRENCH HORN (2-4)
MVB 5253 APPLIED TROMBONE (2-4)
MVB 5254 APPLIED EUPHONIUM (2-4)
MVB 5255 APPLIED Tuba (2-4)
MVK 5251 APPLIED VIOLIN (2-4)
MVK 5252 APPLIED VIOLA (2-4)
MVK 5253 APPLIED CELLO (2-4)
MVK 5254 APPLIED DOUBLE BASS (2-4)
MVK 5255 APPLIED HARP (2-4)
MVK 5256 APPLIED CLASSICAL GUITAR (2-4)
MVW 5251 APPLIED VOICE (2-4)
MVW 5251 APPLIED FLUTE (2-4)
MVW 5252 APPLIED OBOE (2-4)
MVW 5253 APPLIED CLARINET (2-4)
MVW 5254 APPLIED BASSOON (2-4)
MVW 5255 APPLIED SAXOPHONE (2-4)

MUSIC STUDIO PEDAGOGY COURSES (below)

PR: CI. May be elected by undergraduate music majors; emphasis on the business management of the music studio, and the musical responsibilities of the studio teacher, the techniques of private instruction. A study of orchestra pedagogy.

MVK 4640 PIANO PEDAGOGY I (4)
MVK 4641 PIANO PEDAGOGY II (4)

MASTER CLASS COURSES (below)

PR: CI. Study and performance of selected literature with special emphasis on style, form, and techniques; especially designed for teachers, piano majors, and talented secondary school students.

MWS 5750 STRINGS, MASTER CLASS (2)

MUSIC EDUCATION

MUE 2090 THEORETICAL BASES OF MUSIC EDUCATION (2)
The course is designed to investigate music education practices in the schools. Through the experience and information offered in this course a student will be able to determine his/her commitment to professional music education.

MUE 3421 CHORAL MATERIALS PRACTICUM (1)
PR: CI. A study of choral materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

MUE 3422 BAND MATERIALS PRACTICUM (1)
PR: CI. A study of band materials in a laboratory setting appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

MUE 3423 ORCHESTRA MATERIALS PRACTICUM (1)
PR: CI. A study of orchestra materials, in a laboratory setting, appropriate to elementary and secondary school music programs. Course content will change each semester. May be repeated for a total of 2 credit hours.

MUE 3450 BEGINNING WOODWIND TECHNIQUES (1)
PR: Sophomore standing, non-woodwind major. The course introduces the fundamentals of woodwind instrument pedagogy. In addition basic techniques of woodwind performance are taught through the study of clarinet and flute.

MUE 3451 ADVANCED WOODWIND TECHNIQUES (1)
PR: Sophomore standing, woodwind instrument major or MUE 3450. The course develops knowledge and skills dealing with advanced principles of teaching and performing on woodwind instruments.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 3460</td>
<td>BEGINNING BRASS TECHNIQUES</td>
<td>Sophomore standing, no brass major. The course introduces the fundamentals of brass wind instrument pedagogy. In addition, basic techniques of brass performance are taught through the study of trombone and trumpet.</td>
</tr>
<tr>
<td>MUE 3461</td>
<td>ADVANCED BRASS TECHNIQUES</td>
<td>Sophomore standing, brass instrument major or MUE 3460. The course develops knowledge and skills dealing with advanced principles of teaching and performing on all brass instruments.</td>
</tr>
<tr>
<td>MUE 4210</td>
<td>MUSIC FOR THE CHILD</td>
<td>Admission to the College of Education. Music fundamentals, the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.</td>
</tr>
<tr>
<td>MUE 4311</td>
<td>MUSIC IN THE ELEMENTARY SCHOOL</td>
<td>CI. A study of principles, techniques, materials, and activities as they relate to a comprehensive music curriculum in Grades K-6.</td>
</tr>
<tr>
<td>MUE 4321</td>
<td>FOUNDATIONS OF CHORAL MUSIC</td>
<td>This course deals with the development of knowledge and skills needed to effectively organize and teach a choral music program for elementary and intermediate grade level students. Include school observation and participation component. Major status or instructor permission required.</td>
</tr>
<tr>
<td>MUE 4331</td>
<td>CHORAL MTHODS IN THE SECONDARY SCHOOL</td>
<td>CI. Junior standing. Development and implementation of methods techniques for teaching secondary school choral music.</td>
</tr>
<tr>
<td>MUE 4352</td>
<td>FOUNDATIONS OF INSTRUMENTAL MUSIC</td>
<td>CI. MUE 3450, MUE 3460, MVP 1211. Junior standing. Introduction to the foundation of instrumental music instruction in the elementary and middle school.</td>
</tr>
<tr>
<td>MUE 4400</td>
<td>MARCHING BAND TECHNIQUES</td>
<td>CI. Junior standing. This course is required of instrumental music education majors. It will provide the student with the needed skills in creating for and teaching the public school marching band.</td>
</tr>
<tr>
<td>MUE 4909</td>
<td>DIRECTED STUDY: MUSIC EDUCATION</td>
<td>CI. Senior standing. To extend competency in teaching field. Offered only as a scheduled class.</td>
</tr>
<tr>
<td>MUE 4936</td>
<td>SENIOR SEMINAR IN MUSIC</td>
<td>Synthesis of teacher candidate’s courses in complete college program. Required concurrently with internship.</td>
</tr>
<tr>
<td>MUE 4940</td>
<td>INTERNSHIP: MUSIC EDUCATION</td>
<td>One full semester of internship in a public or private school. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9-12 semester hours. (S/U only.)</td>
</tr>
<tr>
<td>MUE 4941</td>
<td>INTERNSHIP</td>
<td>Part-time internship in an accredited public or private school. To be taken concurrently with departmental requirements and will include beginning of the year experiences when taken in Fall Semester. (S/U only.)</td>
</tr>
<tr>
<td>MUE 4942</td>
<td>INTERNSHIP</td>
<td>Admission to the College of Education and/or departmental approval. Internship in an accredited public or private school which will include the end of the academic year or program closing. (S/U only.)</td>
</tr>
</tbody>
</table>

**THEATRE**

**THE 2020 THEATRE FUNDAMENTALS**

An introduction to the art of theatre as part of the larger context of the nature of art itself. The approach will be both chronological and multi-cultural. This course open to non-majors and theatre majors should take this course concurrently with their first registration in the group of courses TP 2200, TP 2223, TP 2232, TP 2110. Required of all theatre majors.

**THE 3090C MODERN THEATRE PRACTICE -6A**

Initial readings and exercises in theatre; play analysis, performance, and technical theatre for non-theatre majors.

**THE 3100 THEATRE HISTORY -XMW**

PR: THE 2020. The study of theatrical production in its cultural context, including theatre architecture, scenography, acting and directing. Normally fifteen plays will be read. Required of all theatre majors. Open to non-majors.

**THE 3925 PRODUCTION INVOLVEMENT**

The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the student’s completion of a Pi request form, available in the Theatre Office, and enrollment in this course. May be repeated. Open to non-majors with CI.

**THE 4180 THEATRE ORIGINS -XMW**

PR: THE 3100 and one of the following: THE 4320, THE 4330, THE 4360, THE 4401, THE 4442, THE 4480. An analysis of the development of theatre out of myth, ritual, and liturgy. Emphasis placed on what attempts to understand the resulting phenomena (e.g. Aristotle’s Poetics) can teach us about the nature of our art. Either THE 4180 or THE 4562 is required of all theatre majors. Open to senior non-majors with CI.

**THE 4265 THEATRE ARCHITECTURE AND DECOR**

A survey of architecture and furniture from Ancient Egypt to the 20th Century with an emphasis on cultural and social influences. (A requirement in the design track/ costume.) Open to upper level non-majors with CI.

**THE 4266 THEATRE ARCHITECTURE AND DECOR**

A survey of architecture and furniture from ancient Egypt to the 20th Century. (A requirement in the design track/scene.) Open to upper level non-majors with CI.

**THE 4320 THE THEATRE OF MYTH AND RITUAL/NORTHERN EUROPEAN (1550-1600) AND ORIENTAL (400-1200) -XMW**

PR: THE 3100. An investigation into the interrelationship of myth, ritual, and theatre. Considers northern European liturgical and secular plays as compared with Hindu, Chinese, and Japanese drama. Open to upper level non-majors with CI.

**THE 4330 SHAKESPEARE FOR THE THEATRE -XMW-XLW**

PR: THE 3100. A close study of selected plays with special emphasis on their performance values. Open to upper level non-majors with CI.

**THE 4360 THE 19TH CENTURY THEATRE REVOLUTION -XLW**

PR: THE 3100. Survey of the European art theatre revolution against the romantic realism of the commercial stage and its effect on subsequent theatre activity. Open to upper level non-majors with CI.

**THE 4401 O’ NEILL AND AFTER -XMW**

PR: THE 3100. A course in the function of the script for the theatre artist treating materials in the American Theatre from 1915 to 1964. Open to upper-level non-majors with CI.

**THE 4425 THEATRE OF PLURALISM -6A -XMW**

PR: THE 3100. The practice of theatre as it reflects cultural heritage, gender, race and sexual orientation. Study of contemporary scripts, critical and artistic statements. Open to upper level non-majors with CI.

**THE 4442 THE COMEDY OF THE CLASSIC AND NEO-CLASSIC STAGE -XLW**

PR: THE 3100. A study of comedic function in scripts from Greek and Roman, Restoration and French Neoclassic of the late 17th century and other plays from the late 18th and late 19th centuries which reflect similar characteristics. Open to upper level non-majors with CI.

**THE 4562 CONTEMPORARY PERFORMANCE THEORY -XMW**

THE 4593 Honors Seminar (2)
Readings in the literature, history, and theory of the stage in preparation for Theatre Honors Practicum. Past topics have included New German Theatre, Popular Theatre, New American Theatre, Jacoben Theatre. Enrollment limited to upper level majors who have been formally admitted to the department honors program. Not available S/U. May not be repeated except under special and unusual circumstances.

THE 4594 Honors Practicum (3)
PR: THE 4593. Honors Practicum grows out of the Honors Seminar and engages students in workshops or production with guest artists. Past artists have included the Free Theatre of Munich, the San Francisco Mime Troupe, playwrights Eric Overmeyer, Jeff Jones and Gary Hill. May not be repeated except under special and unusual circumstances.

THE 4595 Honors Thesis (1-3)
PR: THE 4594. A practical or written thesis related to the seminar and practicum and approved by the departmental honors committee only.

THE 4905 Directed Studies (1-4)
Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

The 4927 Advanced Production Involvement (1)
PR: THE 3925 or CI. The rehearsal, construction, and performance of major theatrical works. Assignments are made by a faculty committee following the student's completion of a Pr request form, available in the Theatre Office, and enrollment in this course. May be repeated. Open to non-majors with CI.

The 4930 Selected Topics in Theatre (1-8)
PR: CI. The content of the course will be governed by student demand and instructor interest. May be lecture or class discussion or studio format. May be repeated for credit for different topics only.

The 5909 Directed Studies (1-6)
PR: CI and CC. Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

The 5931 Selected Topics in Theatre (1-8)
PR: CI. The content of the course will be governed by the student demand and instructor interest. May be lecture or class discussion or studio format. May be repeated for credit for different topics only.

TPA 2200 Theatre Crafts: Stagecraft (3)
Required of all theatre majors. The basic materials, equipment, and skills used in scenic construction and painting for theatrical productions. An introductory course with lab. Open to non-majors.

TPA 2223 Theatre Crafts: Lighting (3)
Required of all design majors. This course or TPA 2232 is required of all theatre majors. The basic equipment and skills used in lighting stage productions. An introductory course with lab. Open to non-majors.

TPA 2232 Theatre Crafts: Costume (3)
Required of all design majors. This course or TPA 2223 is required of all theatre majors. Open to non-majors. The basic materials, equipment, and skills used in costume construction for the stage. An introductory course with lab.

TPA 3004 Means of Visual Expression (3)
PR: Completion of the four required 2000 level courses. The study of conventional techniques for visual design and technology as applied to the development of visual dynamics. Required of all theatre majors. Open to non-majors with TPA 2200 and CI.

TPA 3221 Lighting: Theory and Practice (3)
PR: TPA 2223 and TPA 3004. Intermediate lighting design course concerned with graphic presentations, color theory, design concepts, and practical experience with computer lighting systems. Art and science of design track/lighting. Open to upper level non-majors with TPA 2223 and CI.

TPA 3248 Workshop in Stage Makeup (1)
Beginning theory and practice in make-up for the stage. Open to non-majors. Theatre majors given preference. A studio course.

TPA 3260 Sound for the Stage (3)
PR: TPA 2223. Basic study of audio components, fundamentals of the properties of sound, multiple channel recording, editing, reproduction and reinforcement. Methods and techniques used in theatre to create sound effects. Open to non-majors with CI.

TPA 3601 Stage Management (2)
PR: TPA 2200, TPA 2223, or TPA 2232. A practical course in the working organizational function of the stage manager in theatre, dance, opera, and other live performance situations. Open to non-majors with CI.

TPA 3810 Introduction to Puppetry (3)
PR: Completion of the four required 2000 level courses. Principles and methods of puppetry with a historical survey of major forms and practical problems with laboratory production. Open to non-majors with CI.

TPA 3840 Puppetry Performance and Production (4)
PR: TPA 3810. The creation, building, rehearsal, and performance of plays for puppet theatre. May be repeated one time for additional elective credit, with CI, to total of 8 hours. Open to non-majors with CI.

TPA 4020 Light Design (4)
PR: ART 3301C, TPA 3221, TPA 4208 and portfolio review. The aesthetic and practical application of the elements of design in lighting for theatre presentation. A requirement in the design track/lighting.

TPA 4040 Costume Design (4)
PR: ART 3301C, THE 4264, TPA 2232 and portfolio review. The aesthetic and practical application of the elements of design in costume for theatre presentation. A requirement in the design track/costume.

TPA 4060 Scene Design (4)
PR: TPA 4208, THE 4266, ART 3301C and portfolio review. The aesthetic and practical application of the elements of design in scenery for theatre presentation. A requirement in the design track/scenic.

TPA 4077 Scene Painting (2)
PR: TPA 3004. A practical course in the painting of stage scenery: media and application. Open to upper level non-majors with CI.

TPA 4208 Stagecraft and Drafting (3)
PR: TPA 3004. A practical course in drafting for the stage, scenic construction and application. A requirement in the design/scenic and lighting. Open to upper level non-majors with CI.

TPA 4231 Costume Construction (3)
PR: TPA 2232 and TPA 3004. A practical course in the drafting of patterns for costuming the actor. Materials, skills, and techniques for construction of costumes and costume accessories will be treated. Included topics are millinery, footwear, jewelry, masks, armor, corsetry; both period and modern. Open to upper level non-majors with CI.

TPA 4273 Stage Properties: Techniques and Materials Studio (2)
PR: TPA 3004. Demonstration of and experience with materials used in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop. Open to upper level non-majors with CI.

TPP 2110 Voice-Body-Improvisation (3)
Exploring the elements basic to acting skills, a participation course. Required of all theatre majors. Open to non-majors.

TPP 3111 Workshop for Text Analysis (3)
PR: Completion of the four required 2000 level theatre courses. An introduction to the analysis of different styles of plays, normally to include at least one contemporary realistic play and one classical play. Focus will be on the actor's or director's close reading of a script as a preparation for performance. Required of all theatre majors. Open to non-majors with TPP 2110 and CI.

TPP 3121 Improvisation I (3)
PR: Completion of the four required 2000 level courses. An intensive study in improvisation as an enhancement of the actor's skills. Exercises and theatre games as flexible forms which accommodate improvisation and physical invention are examined and used to develop group creativity. Open to non-majors with CI.

TPP 3235 Theatre for Special Audiences (3)
PR: Completion of the four required 2000 level courses and/or CI. The preparation and performance of a production for a special audience (ethnic, children, aged, institutionalized, etc.) With CI, may be repeated one time as additional elective credit (total of 6 hours). Open to non-majors with CI.
TPP 3500 BODY DISCIPLINES (2)
PR: Completion of four required 2000 level theatre courses. A laboratory course in various disciplines or systems in controlling and understanding the body’s motive powers, with focus on their use for the stage performer. Required of all theatre majors with a performance concentration. May be repeated for credit. Open to upper level non-majors with CI.

TPP 3580 SPECIAL SKILLS IN MOVEMENT (2)
PR: TPP 3500. A laboratory course in various disciplines or systems in controlling and understanding the body’s motive powers, with focus on their use for the stage performer. Required of all theatre majors with a performance concentration. May be repeated for credit. Open to upper level non-majors with CI.

TPP 3580 SPECIAL SKILLS IN MOVEMENT (2)
PR: TPP 3500. Stage combat, circus and acrobatic techniques, and other special techniques of movement. May be repeated for credit. Open to upper level non-majors with CI.

TPP 3790 VOICE PREPARATION FOR THE ACTOR (2)
PR: TPP 3790. A laboratory in voice production and corrective speech for the actor. Required of all theatre majors with a performance concentration. May be repeated for credit. Open to upper level non-majors with CI.

TPP 4140 STYLES OF ACTING (3)
PR: TPP 4150 or TPP 4230, and audition. Methodology and styles. Examination of the actor’s craft and skills needed to fulfill the demands of various theatrical forms. Special attention will be paid to the history of acting styles. Required of all theatre majors with a performance concentration.

TPP 4150 SCENE STUDY I (3)
PR: TPP 4111 and audition. Basic scene study. Special problems in movement and speech to be integrated with character development, rehearsal techniques, and performance composition. Required of all theatre majors with a performance concentration.

TPP 4152 SCENE STUDY II (3)
PR: TPP 4150 Intermediate scene study. Required of all theatre majors with a performance concentration.

TPP 4180 ADVANCED SCENE STUDY (3)
PR: TPP 4140 and audition. The aesthetics of acting. The various theories of art. A studio course. Required of all theatre majors with a performance concentration.

TPP 4220 AUDITION WORKSHOP FOR THE ACTOR (2)
PR: TPP 4150 or TPP 4230. Preparation for professional audition; discussion of professional objectives. Open to upper level non-majors with CI.

TPP 4230 LABORATORY WORKSHOP IN PERFORMANCE (3)
PR: TPP 4111 and audition. Special workshop in advanced techniques based upon individual problems and needs. May be repeated twice (for a total of 9 hours credit). Open to upper level non-majors with CI.

TPP 4250 MUSIC THEATRE WORKSHOP (3)
PR: TPP 4111. Special problems in acting as applied to the musical theatre with emphasis on singing and dance. Open to upper level non-majors with CI.

TPP 4310, 4311 DIRECTING I, II (3,3)
PR: TPP 4150 or TPP 4230. An elective sequence in directing. A workshop course in which the student first encounters the basic tasks of the director by preparing and directing one or two scenes and then progresses to more complex scene work in a variety of styles and finally proceeds to the short play or theatre piece.

TPP 4600 WRITING FOR THE THEATRE I (3)
PR: THE 3100, TPA 3004, and TPP 3111. An elective sequence in writing, in which the student first encounters the problems unique to dramatic language and situation, then progresses to complexities of character, plot, and stage dynamics. Normally the aim would be to complete several performance-worthy self-contained scenes. May be repeated for credit. Open to upper level non-majors with CI.

TPP 4920 SENIOR WORKSHOP FOR ACTORS (3)
PR: TPP 4152, TPP 3500, TPP 3790. A workshop in advanced vocal and movement techniques. Required for all theatre majors with a performance concentration.
HUN 2201 NUTRITION

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 formation of good eating habits

NUR 2335 SELECTED TOPICS IN NURSING

PR: Cl. Freshman or sophomore standing. Open to non-majors. Content will depend upon student demand and faculty interest and may focus on any area relevant to health care. May involve class, seminar, and/or observational field experiences (non-clinical). May be repeated for credit for different topics.

NUR 3007 NURSING PROCESS

PR: RN student. PR or CCR: NUR 3065C. 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 3065C CLIENT ASSESSMENT I

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 3066C INTRODUCTION TO COMMUNITY HEALTH NURSING

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 3105 INTRODUCTION TO PROFESSIONAL NURSING

PR: Admission to nursing major or permission of faculty. Introduction to: historical development, conceptual and theoretical bases of professional nursing; evolving roles and responsibilities of nurses; socio-economic-political-legal-ethical aspects; the health care system; issues and trends in health care and nursing.

NUR 3456 NURSING PROCESS II

PR: NUR 3105, 3065C, 3066C, 3615, 3615L. Focuses on theories, concepts and principles essential to nursing of the childbearing family; uses the nursing process in providing family centered maternal/newborn care during normal intrapartal and postpartal parenting experiences, and selected high risk childbearing situations.

NUR 3456L NURSING INTERVENTION II


NUR 3535 NURSING PROCESS III

PR: NUR 3105, 3065C, 3066C, 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 3535L NURSING INTERVENTION III

PR: NUR 3105, 3065C, 3066C, 3615, 3615L. Clinical intervention based on the nurse-client relationship. Provides opportunities to apply knowledge from growth and development, biopsychopathology and to explore use of self for therapeutic communication and interpersonal relationships with clients in psychiatric/mental health nursing.
reproductive functions. Concepts from physical, natural and social sciences and community health are integrated.

NUR 4257L NURSING INTERVENTION V
PR: NUR 4256 and 4256L. Concurrent with NUR 4257, 4258, and 4265. Clinical nursing practice in secondary, tertiary and community health care settings with clients of all age groups. Focus includes care of clients with interferences in metabolic and regulatory mechanisms, elimination, reproductive system function, oxygenation, mobility and sensory function. Includes essential psychomotor skills.

NUR 4258 NURSING PROCESS VII
PR: NUR 4256 and 4256L. Concurrent with NUR 4257, 4257L, and 4165. Focus on nursing care of clients (across the life span) in secondary and tertiary care settings with interferences in oxygenation. Concepts from physical, natural and social sciences and community health are integrated.

NUR 4265 NURSING PROCESS VIII
PR: NUR 4256, 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 interferences in mobility and sensory perception. Concepts from physical, natural and social sciences and community health are integrated.

NUR 4268C NURSING PROCESS IV
PR: NUR 3456, 3456L, 3535, and 3535L. Nursing of the well elderly in primary care settings. Includes aging theories; biopsychosocial assessment; therapeutic relationships; nutritional, psychosocial, and socio-economic factors related to the health of the elderly.

NUR 4395C SPECIALIZED TECHNIQUES IN CHILD HEALTH ASSESSMENT
Designed to teach the reliable administration and interpretation of the NCAST II and the HOME instruments. Inter-observer reliability will be achieved through observation of parent-child interaction.

NUR 4607 NURSING CONCEPTS IN PRIMARY CARE
PR: RN student; CI. Focuses on concepts and principles essential to nursing clients across the life span in the community setting.

NUR 4607L NURSING PRACTICUM II
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 4792 SEXUALLY TRANSMITTED DISEASES AND HIV INFECTION
Open to students and caregivers in health related fields. Examines prevalent sexually transmitted diseases and HIV infection from a nursing perspective. Emphasis is on epidemiologic principles, immunology, treatment, prevention, and ethical/legal considerations.

NUR 4827C LEADERSHIP/MANAGEMENT CONCEPTS FOR NURSING PRACTICE
PR: RN; 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
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
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 TOPICS IN NURSING
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
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.

NUR 4943L NURSING PRACTICUM III
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 students' professional goals. Associated seminars and/or institutes.

NUR 4946L PRECEPTORSHIP
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
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.
Administration of State Universities

State Board of Education

LAWTON CHILES
Governor

BOB CRAWFORD
Commissioner of Agriculture

TOM GALLAGHER
State Treasurer

GERALD A. LEWIS
Comptroller

JIM SMITH
Secretary of State

AUDREA I. ANDERSON
Ft. Myers

BOB BUTTERWORTH
Attorney General

DOUG JAMERSON
Commissioner of Education

State Board of Regent

STEVEN J. UHLFELDER, Chairman
Tallahassee

AUDREA I. ANDERSON
Ft. Myers

JULIAN BENNETT, Jr.
Panama City

PAUL CEJAS
Miami

JEFFREY O. DEEN
Student Regent

PERLA HANTMAN (1996)*
Miami Lakes

JAMES F. HEEKIN, Jr. (1997)*
Orlando

ELIZABETH G. LINDSAY
Sarasota

JON C. MOYLE
West Palm Beach

THOMAS PETWAY, III
Jacksonville

CAROLYN ROBERTS
Ocala

DENNIS ROSS
Tampa

WELCOM H. WATSON
Fort Lauderdale

DOUGLAS JAMERSON
Commissioner of Education

CHARLES B. REED
Chancellor
### OFFICE OF THE PRESIDENT

**President**
- Assistant to the President (Faculty)
- General Counsel (Acting)
- Director, Internal Auditing
- Senior Director, Resource Management & Information Technology
- Director, Athletics

**Directors:**
- Betty Castor
- Bonnig Yegeidis
- Noreen Segrest
- Mike Peppers
- Claire Robinson
- Paul Griffin

### HEALTH SCIENCE CENTER

**Vice President for Health Sciences (Acting)**
- Marvin R. Dunn
- Gregory R. Nicolosi

**Associate Vice President, Clinical Affairs**
- James E. Hartfield

**Assistant Vice President, Clinical Affairs**
- Randel N. Smart

**Associate Vice President, Health Affairs**
- John C. Melendi
- Daniel G. Zabel

**Assistant Vice President, Legal/Institutional Affairs**
- Bryan S. Burgess

**Assistant Vice President, Health Affairs**
- John P. Liston

**Directors:**
- Laboratory Animal Medicine
- Health Sciences Center
- Library/Medical Center
- Personnel
- Public Affairs
- Plant Operations & Maintenance
- Development

**College of Medicine**

**Dean**
- Associate Dean for Academic Affairs
- Associate Dean for Clinical Affairs
- Associate Dean for Continuing Medical Education
- Associate Dean for Faculty Affairs
- Associate Dean for Student Affairs
- Associate Dean for Research and Graduate Affairs

**Chairpersons:**
- Anatomy
- Anesthesiology
- Biochemistry
- Family Medicine
- Internal Medicine
- Medical Microbiology and Immunology
- Neurology
- Obstetrics and Gynecology
- Ophthalmology
- Pathology (Acting)
- Pediatrics
- Pharmacology and Therapeutics
- Physiology
- Psychiatry and Behavioral Medicine

**Radiology Surgery**
- Martin L. Silbiger
- Larry C. Carey

**Diabetes Center**
- John I. Malone
- Donald E. McMillan
- Marvin T. Williams
- Jay S. Layman
- Carolyn W. Nicolosi
- Eric A. Pfeiffer

**College of Nursing**

**Dean**
- Assistant Dean, Undergraduate Studies
- Assistant Dean, Graduate Studies
- Assistant Dean, Student Affairs

**Director:**
- Nursing Learning Resource Center Research
- Barbara A. Redding
- Linda E. Moody

**College of Public Health**

**Dean (Interim)**
- Assistant Dean, Academic Affairs
- Associate Dean, Administration
- Assistant Dean, Research

**Provost**
- Vice Provost
- Academic Computing
- Academic Programs
- Center for Teaching Enhancement
- FAMU/USF Cooperative Masters of Architecture Program
- Florida Institute of Oceanography
- Florida Policy Exchange Center
- Institute on Aging
- Institute on Black Life
- International Affairs Center
- Public Broadcasting
- University Library

**ACADEMIC AFFAIRS**

**Provost**
- Michael G. Kovac
- John S. Hodgson
- Jean R. Linder
- Barbara R. Sherman
- Tennyson J. Wright
- Bernard A. Mackey
- Carol Rolfe

**College of Arts and Sciences**

**Dean**
- Associate Dean
- Associate Dean
- Associate Dean
- Assistant to the Dean
- Coordinator of Advising
- Coordinator of Advising

**Chairpersons:**
- Africana Studies
- Navita James
College of Education

Dean
Associate Dean, Administration
H. EDWIN STEINK
Associate Dean, Programs
CONSTANCE HINES
Asst. Dean, Community Relations
DICK J. PUGLISI
Asst. Dean, Student Academic Services
JANE YOUNG

Chairpersons:
Adult and Vocational Education
WILLIAM BLANK
Childhood/Language Arts/Reading
SHIRLEY RAINES
Educational Leadership
DONALD ORLOSKY
Educational Measurement / Research
BRUCE HALL
Music Education
CHRIS DOANE
Psychological and Social Foundations
E. MICHAEL CURTIS
Secondary Education
HOWARD JOHNSTON
Special Education
JAMES PAUL

Directors:
Academic Computing
ANDRIA TROUTMAN
Center for Child & Family Studies
JAN MCCRATHY
Children’s Center
JAMES W. BARNARD
Florida Center of Instructional Computing (Acting)
STEPHANIE VAN DEVENTER
Graduate Studies
CONSTANCE HINES
Grants & Contracts
LILIAN BAUTISTA-MYERS
Program Review
JUDY WILKERSON
Institute for Instructional Research and Practice
CAROLYN LAVELY
Institute for At-Risk Infants, Children
CAROLYN LAVELY
and Youth and their Families
Institute for Student Reform, Integrated
Services, Child Mental Health and Educational Policy
HOWARD M. KNOLL
and Research
GEORGE M. BATSCH
National Resource Center for Middle Grades/High School Education
SANDRA SCHURR
School Management Institute
KAROLYN SNYDER
School of Physical Education, Wellness,
& Sports Studies
LOUIS BOWERS
Stavros Center for Free Enterprise
DICK J. PUGLISI
and Economic Education
JANE YOUNG
Clinical Education & Academic Advising
SunCoast Area Teacher
JOYCE SWARZMAN
Training Program (SCATT)
SunCoast Area Teacher Training Center
CONSTANCE HINES
for Excellence Research Program

College of Engineering

Dean
Michael G. Kovac
Associate Dean for Academics
MELVIN W. ANDERSON
Associate Dean for Computing
J. ANTHONY LLEWELLYN
Services
ROBERT P. CARNAHAN
Assistant Dean
ANDREW BARRETT

Chairpersons:
Chemical Engineering
RICHARD GILBERT
Civil Engineering and Mechanics
WAYNE F. ECHELBERGER, JR.
Computer Science and Engineering
ABRAHAM KANDEL
Electrical Engineering
ELIAS K. STEFANAKOS
Industrial and Management
PAUL E. GIVES
Systems Engineering
RONALD H. HOWELL
Mechanical Engineering

Directors:
Coordinator of Advising
GEORGE R. CARD
Center for Microelectronics Research
JOHN LOTT BROWN

College of Business Administration

Dean
JAMES L. PAPPAS
Associate Dean of Administration and
THOMAS E. NESS
Director of Undergraduate Studies
Associate Dean of Graduate Studies
ROBERT L. ANDERSON
and Research
RICHARD T. BOWERS
Associate Dean for Public Affairs

Chairpersons:
Economics
JOHN W. ROWE, JR.
Finance
GEORGE KANATAS
Information Systems/Decision Sciences
PAUL H. CHENEY
Management (Acting)
ROBERT L. ANDERSON
Marketing
WILLIAM LOCANDER

Directors:
School of Accountancy
GARY HOLSTRUM
Center for Economic and Management Research
RICHARD J. MC HUGH
Small Business Development
M. SCOTT FARIS
Professional Development Center
TBA
Center for Economic Education
TBA
Institute For Banking and Finance
DICK J. PUGLISI
Institute for Information
JAMES L. PAPPAS
Systems Management
PAUL H. CHENEY
MBA Programs
STEVEN A. BAUMGARTEN
| **Center for Urban Transportation Research** | **Gary Brosch** |
| **College of Engineering Facilities** | **HORACE GORDON** |
| **Development** | **JOANNA ALESSANDRINI** |
| **Lakeland** | **FRANK YOUNG** |
| **Minority Engineering Programs** | **JOY O'SHEILDS** |
| **Southern Technology Applications Center** | **WILLIAM LES CAHOON** |

**College of Fine Arts**

| **Dean** | **JOHN L. SMITH** |
| **Associate Dean** | **VIRGINIA BRIDGES** |
| **Associate Dean** | **JOHN W. COKER** |

**Chairpersons:**

| **Art** | **JANET MARQUARDT-CHERRY** |
| **Dance** | **TIMOTHY WILSON** |
| **Music** | **JACK HELLER** |
| **Theatre** | **DENIS CALANDRA** |
| **USF Contemporary Art Museum** | **MARGARET MILLER** |

**Directors:**

| **Development** | **GLENDA HODGSON** |
| **Graphicstudio** | **ALAN EAKER** |
| **SYCOM** | **PAUL REILLEY** |

**Coordinator:**

| **Fine Arts Events** | **CARL MUSSON** |
| **Production** | **PATRICK FINELLI** |

**Florida Mental Health Institute**

| **Dean** | **MAX C. DERTKE** |
| **Associate Dean** | **CATHERINE BATSCH** |
| **Assistant Dean** | **CYNTHIA J. STARK** |
| **Director, Administration** | **FRANCIS M. PARIS** |

**Chairpersons:**

| **Department of Aging & Mental Health** | **DONNA COHEN** |
| **Department of Child & Family Studies** | **ROBERT M. FRIEDMAN** |
| **Department of Community Mental Health** | **MICHAEL KNOX** |
| **Department of Mental Health Law & Policy** | **JOHN PETRILA** |

**Directors:**

| **Health Services** | **JOE GONZALEZ** |
| **State Liaison** | **PATRICIA ROBINSON** |
| **Florida Autism Program** | **GLEN DUNLAP** |
| **Research & Training Center for Children's Mental Health** | **ROBERT FRIEDMAN** |
| **The USF Center for HIV Education & Research** | **MICHAEL KNOX** |
| **Professional Development Center** | **JOHN MULLINS** |

**School of Continuing Education**

| **Dean (Interim)** | **RICHARD TAYLOR** |
| **Directors:** | **LYNN ROBERTS** |
| **Administration** | **LEGRETTA LENKER** |
| **Division of Lifelong Learning** | **LAURA ELLENBURG** |
| **Conferences and Institutes** | **NAN KUTCHER** |
| **Information Services** | **CAROL HARNEIT** |
| **Division of Special Programs/PACE (Acting)** | **JULIE HALE** |
| **Travel-Study** | **JUDITH CATALDO** |
| **Community Music** | **LEE LEAVENGROOD** |
| **Senior Programs** | **TBA** |
| **College of Arts and Sciences** | **YVONNE CADIZ** |
| **English Language Institute** | **VIRGINIA ROO** |
| **MERIT** | **TBA** |
| **Institute of Government** | **TBA** |

**College of Business Administration**

| **Dean** | **TBA** |
| **Center for Organizational Effectiveness** | **TBA** |
| **Center for Professional Development** | **TBA** |
| **Executive MBA** | **TBA** |
| **MBA Program for Physicians** | **TBA** |

**College Liaison:**

| **Arts and Sciences** | **MARK AMEN** |
| **Business Administration** | **ROBERT ANDERSON** |
| **Education** | **DANIEL L. ANDERSON** |
| **Engineering** | **RONALD HOWELL** |
| **Fine Arts** | **JOHN COKER** |
| **FMHI** | **PATTY CAMERON** |

**Graduate School**

| **Dean (Interim)** | **RICHARD L. MANSELL** |
| **Associate Dean** | **TBA** |

**Instructional Quality & Innovation**

| **Dean** | **WILLIAM H. SCHEUERLE** |
| **Associate Dean** | **W. JACK CROCKER** |
| **Assistant Dean for Special Programs** | **STUART SILVERMAN** |
| **Director, Community College Relations** | **W. JACK CROCKER** |
| **Director, Cooperative Education** | **B. RAY EASTERLING** |
| **Director, Evaluation and Testing** | **TERESA FLATBERRY** |
| **Director, Learning Technologies** | **KENNETH STANTON** |
| **Coordinator, Off-Campus Term Program** | **D. KEITH LUPTON** |

**USF at Fort Myers**

| **Campus Dean and Executive Officer** | **DAVID C. MCCORMICK** |
| **Associate Dean for Academic Affairs** | **ROY A. BOOSS** |
| **Director, Administration and Finance** | **GLENN E. NITSCHKE** |
| **Director, Student Affairs (Acting)** | **LINDA SUMMERS** |
| **Director, Enrollment Services (Acting)** | **DONNA FECK** |
| **Director, ECC/USF Learning Resources** | **CHARLES RITCHIE** |
| **Director, University Relations and Development** | **JAMES E. HOF** |

**USF at Sarasota**

| **Dean and Executive Officer of USF - Sarasota** | **DAVID P. SCHENCK** |
| **Associate Dean** | **JANNA C. MERRICK** |
| **Campus Librarian** | **JOAN M. PELLAND** |
| **Director, Administrative Affairs** | **LYNDA BLOCK HILL** |
| **Director, Development** | **SANDRA KRAWETZ** |
| **Director, Media Center** | **MARY K. ANDERWS** |
| **Director, Physical Plant** | **THOMAS J. PENN** |
| **Director, Police Services for Regional Campuses** | **WILLIAM F. KELLY** |
| **Director, Public Affairs** | **SANDRA KRAWETZ** |
| **Director, Records and Registration** | **NANCY E. FERRARO** |
| **Director, Student Affairs** | **THOMAS LEVITAN** |

**New College of USF**

| **Dean and Warden** | **GORDON E. MICHALSON, JR** |
| **Director, Special Project Development** | **JAMES W. FEENEY** |
| **Director, New College Admissions** | **DAVID L. ANDERSON** |
Chairpersons:
- Humanities: MAGDALENA CARRASCO
- Natural Sciences: LEO DEMSKI
- Social Sciences: ANTHONY ANDREWS

USF at St. Petersburg

Dean and Executive Officer
- Associate Dean, Academic Affairs: WINSTON T. BRIDGES, JR.
- Director, Administration & Finance: HERMAN J. BRAMES
- Director, Development: JULIE E. GILLESPIE
- Director, Poynter Library: JACKIE SHEWMAKER
- Director, Student Affairs: STEPHEN RITCH

USF at Lakeland

Campus Director and Executive Officer
- Director, Academic Support Services: PATRICIA MARTINI-CLARK
- Director, Business, Finance, and Auxiliary Services: ANNE FLAHIVE

ADMINISTRATIVE SERVICES

Vice President
- Associate Vice President, Finance and Administration: RICKARD C. FENDER
- Government Relations: JEFFREY A. MUJR
- Executive Assistant to the Vice President: LINDA G. LYDIC
- Director, Auxiliary Services: JEFFREY A. MACK
- Director, Facilities Planning (Acting): JOHN CROSBY
- Director, Federal Government Relations: KATHY BETANCOURT
- Director, Finance & Accounting: ERIC L. WALDEN
- Director, Physical Plant: ADRIAN CUARTA
- Director, Public Safety: PAUL A. URVICH
- Director, Purchasing (Acting): ANITA MOUNTAIN
- Director, Sun Dome, Inc.: MICHAEL LAPAN

HUMAN RESOURCES AND DIVERSITY

Vice President
- Associate Vice President, Diversity: PAULA N. KNAUS
- Director, Environmental Health & Safety: SELDON L. CARSEY
- Director, Equal Opportunity Affairs: TBA
- Director, Human Resource Development: SANDRA M. COOPER
- Coordinator, Victims' Advocacy: MARY C. POOLE

RESEARCH

Vice President
- Executive Assistant, Administration: GEORGE R. NEWKOME
- Executive Assistant, Finance: RHONDA HENDRIX
- Executive Assistant, Finance: LINDA P. HAYES

RESOURCE MANAGEMENT & INFORMATION TECHNOLOGY

Sr. Director
- Director, Budgets: CLAIRE S. ROBINSON
- Director, Information Technologies: JOSEPH P. KARP
- Director, Resource Analysis & Planning: GEORGE W. ELLIS

STUDENT AFFAIRS

Vice President
- Associate Vice President for Student Life & Wellness: CHARLES F. HEWITT
- Associate Vice President for Enrollment Planning & Management: TBA
- Assistant Vice President for Academic Support & Achievement: THELMA D. BENTON
- Assistant Vice President for Enrollment Planning & Management and University Registrar: LINDA ERIKSON
- Assistant to the Vice President: DEBRA A. SIEHEH
- Associate Dean of Students: TROY COLLIER
- Associate Dean of Students: VANESSA DIAZ CLARK
- Director, Admissions: VICKI AHRENS
- Director, Financial Aids: GWYN FRANCIS
- Director, New Student Orientation: CINDY SWARTZFAGER
- Interim Director, Housing: JOAN TALLIS
- Director, Student Health Services: MARIA ANDERSON
- Director, Counseling Center: WILLIAM ANTON
- Director, Campus Recreation: ANDREW HONKER
- Director, Marshall Center: PHYLLIS MARSHALL
- Director, Student Publications: JAY LAWRENCE
- Director, International Student Center: DAVID AUSTRELL
- Director, Career Resource Center: MACK DAVIS
- Director, Project Thrust/PEP: TBA
- Director, McNair Scholars Program: JOAN HOLMES
- Director, Student Academic Support Services: JANE REED
- Director, Student Support Services: REBA GARTH
- Coordinator, Academic Advising: SYLVIA SALTER
- Coordinator, Veteran Affairs: MEREDITH NICKLES

UNIVERSITY ADVANCEMENT

Vice President
- Director, Advancement Services: GORDON A. MCDougALL
- Director, Alumni Association: VICKY HUGHES
- Director, Community Relations: LOREN TAYLOR
- Director, Development: ANN ROSS
- Director, Media Relations & Publications: VICKI MITCHELL
- Director, McNair Scholars Program: DANIEL CASSEDAY

Director, USF Foundation: GORDON A. MCDougALL
All members of the University of South Florida faculty 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. (A semicolon between degrees indicates different institutions.)

*A Charter faculty*

AANGEENBURG, ROBERT, Chairperson-Professor (Geography), 1989
B.S.; M.S., Ph.D., University of Wisconsin, 1965
ACEVEDO-DUNCAN, MILDRED E.C., Research Assistant Professor (Neurology), 1991
B.A.; M.A.; Ph.D., University of California, 1983
ACKERMANN, JOHN R., Professor (Surgery), 1983
M.B., C.H.B., M.D., University of Cape Town, South Africa, 1965
ADAIR, W. LEE, Jr., Professor (Biochemistry), 1975
Sc.B.; Ph.D., Georgetown University, 1972
ADEIGBOLA, MARIA R., Instructor (Childhood Education), 1992
B.A.; M.A., Jersey City State Graduate School, 1985
ADELMAN, HAROLD M., Associate Professor (Internal Medicine), 1988
B.A.; M.D., Bologna University, 1969
AGOSTI, STEVEN J., Assistant Professor (Pathology), 1990
B.S.; M.D., Medical College of Virginia, 1985
AL-ARIAN, SAMIA., Associate Professor (Computer Science & Engineering), 1986
B.S.; M.S., North Carolina State University, 1985
ALBERS, MICHELLE M., Visiting Assistant Professor (Nursing), 1987
B.A., M.S., Ph.D., Ohio State University, 1987
ALBERTO, LOUIS M., Associate Professor (Accounting), 1986
B.S., M.A., M.P.A., J.D., Seton Hall University Law School, 1972
ALBERTS, W. MICHAEL, Associate Professor (Internal Medicine), 1983
B.A.; M.D., University of Illinois, 1977
ALBRECHT, TERRANCE L., Chairperson-Professor (Communication), 1991
B.A., M.A., M.L.I.R., Ph.D., Michigan State University, 1978
ALBRIGHT, PATRICIA B., Instructor (Nursing), 1992
B.S.N., M.P.H., University of North Carolina at Chapel Hill, 1985
ALBRINK, MICHAEL H., Assistant Professor (Surgery), 1989
B.S.; M.D., Ohio State University, 1978
ALESSANDRINI, JOANNE M., Director (Engineering), 1985
B.A., Notre Dame, 1981
ALEXANDER, LILIA, Assistant in Research (Suncoast Gerontology Center), 1987
B.A.; M.A., University of Colorado, 1980
ALKAN, SERHAN, Assistant Professor (Pathology), 1993
M.D., EGE University Medical School, Turkey, 1981
ALLEN, HAROLD C., Associate Professor (Information Systems & Decision Sciences), 1967
B.A.; M.B.A.; Ph.D., University of Florida, 1969
ALLEN, NANCY M., Instructor/Librarian (Sarasota Library), 1992
B.A.; M.S., Atlanta University, 1978
ALLEN, VALERIE H. G., Assistant Professor (English), 1993
B.A., Ph.D., Trinity College, Ireland, 1989
ALTUS, PHILIP, Professor (Internal Medicine), 1976
A.B.; M.D., State University of New York, Upstate Medical Center, 1971
ALVAREZ, MARVIN R., Professor (Biology), 1966
B.S., M.S., Ph.D., University of Florida, 1964
AMEN, MICHAEL J., Associate Dean-Associate Professor (Government & International Affairs), 1982
B.A.; M.A.; Ph.D., University of Geneva, 1976
AMMONS, J. MICHAEL, Assistant Professor (Electrical Engineering), 1980
B.A.; M.S., Ph.D., University of South Florida, 1980
ANDANATHEETHAVARADA, HINDUPUR K., Assistant in Research (Pharmacology and Therapeutics), 1992
B.Sc.; M.Sc.; Ph.D., Bangalore University, India, 1992
ANDERSON, DONNA J., Associate Professor (Psychological and Social Foundations), 1987
B.A.; M.A., Ed.S., Ph.D., University of South Florida, 1984
ANDERSON, E. CHRISTIAN, Professor (Psychological and Social Foundations), 1964
B.S., M.A., Ph.D., University of Michigan, 1964
ANDERSON, MELVIN W., Associate Dean (Engineering) - Professor (Civil Engineering and Mechanics), 1969
B.S., M.S., Ph.D., Carnegie - Mellon University, 1967, P.E.
ANDERSON, NANCY A., Associate Professor (Childhood Education), 1985
B.S.; M. Ed., Ed. D., University of Southern Mississippi, 1982
ANDERSON ROBERT L., Associate Dean (Business Administration) - Professor (Marketing), 1971
B.S.; M.S., Ph.D., North Texas State University, 1971
ANDERSON WILLIAM M., Visiting Associate Professor (Internal Medicine), 1992
B.A.; M.S.; M.D., Eastern Virginia Medical School, 1978
ANDREWS, ANTHONY P., Chairperson-Professor (Social Sciences), New College, 1981
B.A.; M.A., Ph.D., University of Arizona, 1980
ANDREWS, MARY K., Assistant University Librarian (Library), New College, 1993
B.A., M.L.S., University of South Florida, 1990
ANGROSINO, MICHAEL V., JR., Professor (Anthropology), 1972
B.A.; Ph.D., University of North Carolina, 1972
ANKER, JAMES M., Professor (Psychology), 1974
B.A.; M.A., Ph.D., Catholic University of America, 1957
ANTON, JOHN P., Professor (Philosophy), 1982
B.S.; M.A., Ph.D., Columbia University, 1954
APFELBECK, NORMA R., Assistant In (Institute for at Risk Infants), 1989
ARCHER, KEVIN, Assistant Professor (Geography), 1991
B.A.; M.A.; Ph.D., Johns Hopkins University, 1990
ARENDASH, GARY W., Associate Professor (Biology), 1981
B.S.; Ph.D., University of California, San Francisco, 1978
ARHAR, JOANNE M., Assistant Professor (Education Leadership), 1990
B.A.; M.A., Ed.D., University of Cincinnati, 1990
ARMSTRONG, ROBERTA M., Coordinator (Academic Services), 1987
B.A., M.A., University of South Florida, 1987
ARNAUDEL, CHARLES W., Professor (Government & International Affairs), 1961
B.A., M.S., Ph.D., University of Florida, 1955
ARNETT, DONNA, Assistant Professor (Internal Medicine), 1992
B.S.; M.S., Ph.D., University of North Carolina at Chapel Hill, 1978
ARNOLD, DEBORAH, Counselor/Advisor (Academic Services), 1989
ARRINGTON, JOHN A., Assistant Professor (Radiology), 1991
B.S., M.D., University of South Florida, 1983
ARSENAULT, KATHLEEN H., Associate University Librarian (University Libraries), St. Petersburg Campus, 1982
B.A.; M.S.L.S., Simmons College, 1973
ARSENAULT, RAYMOND O., Professor (History), St. Petersburg Campus, 1980
B.A.; M.A., Ph.D., Brandeis University, 1980
ATHAN, STEPHAN, Associate In (Center for Micro-Electronics), 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
AUSTIN, RICHARD A., Assistant Professor (Secondary Education), 1990
B.S.; M.Ed., Ph.D., University of Florida, 1983
AVIGNON, ANTOINE, Associate in Research (Internal Medicine), 1993
B.S.; M.S., M.D., University of Montpellier, 1993
BABione, LOIS, Assistant In Research (Pediatrics), 1980
B.S., M.S., Florida State University, 1975
BAEKEY, PAUL, Assistant Professor (Pathology & Laboratory Medicine), 1988
B.S., M.S., M.D., University of Florida, 1983
BAER, ROBERTA D., Associate Professor (Anthropology), 1984
B.A.; M.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

BAHNA, SAMI L., Professor (Pediatrics), 1992
M.D.; Ph.D., Alexandria University, 1970

BAILE, WALTER F., JR., Professor (Psychiatry), 1986
B.A., M.D., University of Pavia, Italy, 1972

BAKER, CARLETON H., Professor (Physiology and Biophysics), 1971
B.A., M.A., Ph.D., Princeton University, 1955

BAKER, CAROL L., Visiting Instructor (Psychiatry & Behavioral Medicine), 1984
B.A.; M.S.W., Florida State University, 1973

BAKER, GREGORY R., Research Assistant Professor (Chemistry), 1989
B.S., Ph.D., Louisiana State University, 1989

BALDUCCI, LOVICO, Professor (Internal Medicine), 1993
M.D., Catholic University, Roma, 1968

BALFOUR, ALAN, Associate Professor (Management), St. Petersburg Campus, 1980

BALIS, JOHN U., Chairperson - Professor (Pathology and Laboratory Medicine), 1978
M.D., National University of Athens, Medical School, Greece, 1957

BALL, WILLIAM L., Assistant in Research (Center for Urban Transportation), 1988
B.S., M.A., University of South Florida, 1988

BALLESTER, OSCAR F., Assistant Professor (Internal Medicine), 1989
M.D., University of Cordoba, Argentina, 1971

BALSERA, ALICIA F., Associate Director-Instructor (Academic Computing), 1986
B.S. Che.; M.S. Che., University of South Florida, 1986

BALTES, MICHAEL R., Assistant in Research (Center for Urban Transportation), 1992
B.A., M.P.A., University of South Florida, 1992

BANDYK, DENNIS P., Professor (Surgery), 1991
B.S.E.; M.S.E., M.D., University of Michigan School of Medicine, 1975

BANES, RUTH A., Associate Professor (American Studies), 1979
B.A., Ph.D., University of New Mexico, 1978

BANOOb, SAMIR N., Professor (Public Health), 1983
M.D., M.D., D.P.H., Dr.P.H., Alexandria University, Egypt, 1979

BARBER, MICHAEL J., Professor (Biochemistry), 1983
B.Sc., M.Sc.; Ph.D., University of Sussex, 1975

BARKER, RODNEY D., Assistant In (Education), 1993
B.S., M.S., Arkansas State University, 1992

BARKHOIz, GERALD R., Program Director-Associate Professor (Childhood Education), 1969
B.S.; M.Ed.; Ed.D., University of Florida, 1976

BARLOW-RADEMEYER, IVAN K., Instructor (Anesthesiology), 1992
B.S., M.B.; M.D., University of South Florida, 1991

BARNARD, JAMES W., Professor (Psychological and Social Foundations), 1968
A.B., M.A.; M.S., Ph.D., Yale University, 1962

BARNES, LEWIS A., Professor (Pediatrics), 1972
A.B., M.D., Harvard Medical School, 1944 M.A. Hon.

B.A.; M.A.; M.A., Yale School of Art and Architecture, 1963

BARR, ANDREW J., Assistant Dean-Instructor (Engineering), 1982
B.A.; M.A.; Ed.D., University of Florida, 1976

BARRIOS, MAURA, Academic Administrator (Academic Affairs), 1990
B.A., Utah State University, 1976

BARRON, ANNI, Assistant Professor (Education), 1991
B.S., M.A.; Ed.D., University of Central Florida, 1991

BARTELS, LOREN J., Associate Professor (Surgery), 1980
B.A., M.D., University of South Florida, 1974

BARTLETT, ALTON C., Professor (Management), 1967
B.S.; Ph.D., University of Wisconsin, 1964

BARTLETT, SUE ANNE, Research Associate (Business Administration), 1993
B.S., University of South Florida, 1993

BARTLETT, GORDON B., Assistant Professor (Social Sciences) New College, 1991
B.A., M.A.; M.S.; Ph.D., University of Hawaii, 1986

BAUM, ROSALIE A., Associate Professor (English), 1987
A.B.; M.A., Ph.D., University of Detroit, 1976

Bauer, Gordon B., Professor (Marketing), 1976
B.F.A.; M.S., Ph.D., Purdue University, 1971

Bautista-Myers, Lillian K., Academic Administrator (Education), 1992
B.A.; M.S.; Ed.D., Nova University, 1975

Beasley, Robert L., Associate Professor (Physical Education), 1970
B.A., M.Ed.; Ph.D., Florida State University, 1968

Becker, Jeanne L., Assistant Professor (Obstetrics and Gynecology), 1990
B.S., University of South Florida, 1986

Becker, Judith A., Associate Professor (Psychology), 1981
B.A., Ph.D., University of Minnesota, 1981

Beckman, Richard L., Assistant Professor (Visual Arts), 1991

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

Behrman, Samuel J., Professor (Obstetrics and Gynecology), 1992
M.B.Ch.B.; M.Sc., University of Michigan, 1949

Beldad Susan R., University Librarian (Libraries), 1993
B.S., Vanderbilt University, 1986

Bell, Elizabeth E., Assistant Professor (Communication), 1993
B.S., M.A.; Ph.D., University of Texas, 1983

Bell, James A., Professor-Chairperson (Philosophy), 1974
A.B.; M.A., Ph.D., Boston University, 1969

Bell, Susan S., 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
BLACK, JOHN J., Professor (Mass Communications), St. Petersburg Campus, 1993
B.A., M.S., Ph.D., University of Missouri, 1974
BLACKMAN, JOSEPH K., Coordinator-Professor (Education), 1988
B.A., M.A., Ed.D., University of Massachusetts, 1975
BLAIR, R. CLIFFORD, Associate Professor (Pediatrics), 1976
B.A., M.A., Ph.D., University of South Florida, 1980
BLAKE, NORMAN J., Professor (Marine Science), St. Petersburg Campus, 1972
B.S., M.S., Ph.D., University of Rhode Island, 1972
BLAKE, RONALD E., Assistant Professor (Music), 1990
B.M., Northwestern University, 1986
BLANCHARD, DARLENE K., Research Assistant Professor (Medical Microbiology and Immunology), 1987
B.A., M.S., Ph.D., University of South Florida, 1987
BLANCK, GEORGE, Assistant Professor (Biochemistry & Molecular Biology), 1990
B.A., M.A., Ph.D., Columbia University, 1983
BLAND, ROSE L., Instructor/Librarian (Health Sciences Library), 1992
B.S., M.L.S., University of South Florida, 1992
BLANK, WILLIAM E., Associate Professor-Chairperson (Adult and Vocational Education), 1976
B.S., M.S., Ph.D., Florida State University, 1976
BLANTON, JAMES E., Associate Professor (Information Systems and Decision Sciences), 1985
B.S., M.B.A., Ph.D., University of Georgia, 1987
BLOCH, SYLVAN C., Professor (Physics), 1963
B.S., M.S., Ph.D., Florida State University, 1962
BLOUNJIN, MICHAEL S., Assistant Professor (Biology), 1993
B.A., M.A., Ph.D., Florida State University, 1989
BLOUNT, WILLIAM R., Professor-Chairperson (Criminology), 1968
B.A., M.A., Ph.D., George Peabody College, 1969
BOAZ, TIMOTHY L., Assistant Professor (Florida Mental Health Institute), 1989
B.A., M.S., M.A., Ph.D., University of Kansas, 1986
BOBO, MARSEENA L., Instructor (Secondary Education), 1990
B.S., Ohio State University, 1974
BOCHNER, ARTHUR P., Professor (Communication), 1984
B.S., M.A., Ph.D., Bowling Green State University, 1971
BOGGS, ROY A., Associate Dean-Associate Professor (Information Systems and Decision Sciences), Ft. Myers Campus, 1985
B.A., M.A., Ph.D., M.S.I.S., University of Pittsburgh, 1977
BOGNAR, BRYAN A., Assistant Professor (Internal Medicine), 1993
B.S., M.D., Indiana University, 1989
BOLTEM, STEVEN E., Professor (Finance), 1978
B.S., M.B.A., Ph.D., New York University, 1969
BONDONI, JOSEPH C., JR., Professor (Educational Leadership), 1966
B.S., M.S., Ph.D., Florida State University, 1968
BONNIIN, DAGMAR, Visiting Assistant Professor (Civil Engineering and Mechanics), 1993
B.S., M.S., Ph.D., University of South Florida, 1993
BOOTH, JACKIE L., Assistant Program Director and Instructor (Business Administration), 1991
M.A., M.S., Southern Illinois University, 1980
BOOTHBY, LOUISE H., Assistant Professor (Education) Sarasota Campus, 1993
B.S., M.S., Ph.D., Florida State University, 1989
BORCHERT, JILL E., Assistant Professor (Women's Studies), 1990
B.S., M.S., Ph.D., University of California at Riverside, 1990
BORGIA, DANAEL J., Assistant Professor (Finance), Ft. Myers Campus, 1993
B.S., M.S., Ph.D. Kent State University, 1991
BORMAN, KATHRYN M., Professor (Psychological and Social Foundations), 1993
B.A., M.A., Ph.D., University of Minnesota, 1976
BORMAN, WALTER C., Professor (Psychology), 1990
A.B., Ph.D., University of California at Berkeley, 1972
BOSEK, VOYTEK, Assistant Professor (Anesthesiology), 1986
B.S., M.D., University of Chicago, 1966
BOSTOW, DARREL E., Professor (Psychological and Social Foundations), 1970
B.A., M.A., Ph.D., Southern Illinois University, 1970
EL-HADIDY, BAHAA, Associate Professor (Library and Information Science), 1987
B.Sc.; M.L.S.; Ph.D., University of Pittsburgh, 1974

ELFENBIN, DIANE S., Assistant Professor (Pediatrics), 1990
B.A., M.D., Johns Hopkins University, 1970

ELFENBEIN, GERALD J., Professor (Internal Medicine), 1989
A.B.; M.D., Johns Hopkins University, 1970

ELLIOTT, CATHERINE S., Associate Professor (Economics) New College, 1989
A.A.; B.S.; M.A., Ph.D., University of Michigan, 1982

ELLIS, CAROLYN S., Associate Professor (Sociology), 1981
B.A., M.A., Ph.D., State University of New York at Stonybrook, 1981

ELMEER, DIANE H., Lecturer (Visual Arts), 1977
B.S.; M.F.A., University of South Florida, 1976

EMENER, WILLIAM G., JR., Graduate Research Professor (Rehabilitation Counseling), 1980
B.A., M.A.; Ph.D., University of Georgia, 1971

EMERY, PATRICIA R., Assistant In Research (Public Health), 1988
B.A., University of South Florida, 1987

EMMANUAI, PATRICIA I., Assistant Professor (Pediatrics), 1989
B.S.; M.D., University of Florida, 1986

ENDICOTT, JAMES N., Professor (Surgery), 1975
A.B., M.D., Indiana University School of Medicine, 1967

ENGEL, CHARLES W., Professor (Instructional Computing) Ft. Myers Campus, 1966
B.S., M.S.; Ed.D., Wayne State University, 1966

ENGLE, EVELYN A., Visiting Assistant IN (Education), 1992
B.S., Eckerd College, 1991

ENGLEMAN, ROBERT W., Assistant Professor (Pediatrics), St. Petersburg Campus, 1986
B.S.; D.V.M.; Ph.D., Oklahoma State University, 1985

ENGLE, TERRY J., Associate Professor (Accounting), 1983
B.A.; M.S.; Ph.D., University of Missouri, 1983

EPSS, JAMES B., Assistant Professor (Psychology), 1993
B.S., Ph.D., Temple University, 1992

EPANCHIN, BETTY C., Associate Professor (Special Education), 1988

ERDMAN, ROBERT B., Coordinator-Instructor (Florida Institute of Oceanography), 1990
B.A., M.S.; Ph.D., University of South Florida, 1990

ERICKSON, LINDA E., Assistant Vice President (Academic Affairs), 1964
B.A., M.A., Syracuse University, 1964

ESPOSITO, NOREEN W., Assistant Professor (Nursing), 1993
B.S., M.S.; Ed.D., Columbia University, 1993

ESFOLMES, MA., Associate Professor (Languages), 1982
B.A.; M.A.; Ph.D., University of Colorado, 1977

ESSIG, FREDERICK B., Associate Professor (Biology), Director (Botanical Gardens), 1975
A.B.; Ph.D., Cornell University, 1975

ESSRIG, IRVING M., Professor (Medicine), 1981
M.D., Tulane University Medical School, 1938

EVANS, TIMOTHY D., Associate Professor (Counselor Education), 1990
B.A., B.S., M.S.; Ph.D., University of Georgia, 1984

FABR, PETER J., Associate Dean-Professor (Surgery), 1986
B.A.; M.D., Loyola University, 1973

FABRY, FRANCIS J., Professor (English), 1964
A.B., M.A.; Ph.D., University of Texas, 1964

FACTOR, REGIS A., Professor (Political Science), St. Petersburg Campus, 1971
B.A.; M.A.; Ph.D., University of Notre Dame, 1974

FAGER, CHARLES J., Professor (Visual Arts), 1963
B.A.; M.F.A., University of Kansas, 1963

FANNING, JANE, Visiting instructor (Nursing), 1993
B.S.; M.S., University, 1970

FANNING, KENT A., Professor (Marine Science), St. Petersburg Campus, 1973
B.S.; Ph.D., University of Rhode Island, 1973

FARBER, M. STEVEN, Assistant Professor (Radiology), 1981
B.A., M.D., Brown University Medical School, 1976

FASCHING, DARRELL J., Chairperson-Professor (Religious Studies), 1982
B.A.; M.A., Ph.D., Syracuse University, 1978

FAUCETTE, NELL, Associate Professor (Physical Education), 1991
B.S., M.A. Ed.D., University of Georgia, 1984

FAVROT, JEANNE A., Assistant Professor (Pediatrics), 1993
B.S., M.D., Louisiana State University, 1989

FEENEY, JAMES W., Academic Administrator (Provost’s Office), New College, 1984
B.A., Goddard College, 1964

FELICIANO-BUTLER, JOSE A., Lecturer (Languages), 1991
B.A., M.A., University of South Florida, 1987

FELLOWS, JAMES A., Professor (Accounting), Ft. Myers Campus, 1982
B.A.; B.S.; M.A.; M.S.; Ph.D., Louisiana State University, 1977, C.P.A.

FENSKE, NEIL A., Professor (Internal Medicine), 1977
B.A.; M.D., St. Louis University School of Medicine, 1973

FENTRIS, RICHARD A., Instructor (Business Administration), 1993
B.S., M.B.A., University of South Florida, 1993

FEREKIDES, CHOSTOS S., Assistant Professor (Electrical Engineering), 1992
B.S., M.S., Ph.D., University of South Florida, 1991

FERENEZI, EMOKE, Research Associate (Medical Microbiology), 1991
M.D., Semmelweis University Medical School, 1973

FERNANDEZ, CAROL, Instructor (Communication Sciences & Disorders), 1989
B.A.; M.A., University of South Florida, 1970

FERREIRA, GLORIA C., Assistant Professor (Biomolecular Science), 1991
License in Environmental Engineering; Ph.D., University of Georgia, 1986

FERRO, JOLENEA, Assistant in Research (Child & Family Studies), 1990
B.A., M.A.; Ph.D., University of South Florida, 1990

FEYENN, CARINE M., Assistant Professor (Secondary Education), 1981
B.A.; M.A.; Ph.D., University of South Florida, 1988

FIELDS, KAREN K., Assistant Professor (Internal Medicine), 1989
B.A., M.D., Ohio State University, 1981

FIGG, ROBERT M., III, Associate Professor (English), 1965
B.S., M.A., Ph.D., University of North Carolina, 1965

FIGEROA, CECILIA, Assistant in Research (Psychiatry and Suncoast Gerontology), 1992
B.A., Shippensburg University, 1978

FIGUEROA, T. ERNESTO, Assistant Professor (Surgery), 1990
B.S., M.D., Tulane University Medical School, 1983

FILOPO, MARY K., Assistant Professor (Visual Arts), 1991
B.F.A.; M.F.A.; Art Institute of Chicago, 1981

FINELLI, PATRICK M., Associate Professor (Theatre), 1976
B.A., M.A.; M.B.A.; Ph.D., University of California, 1991

FINKELSTEIN, MARCIA A., Associate Professor (Psychology), 1981
B.A.; M.A.; Ph.D., Columbia University, 1981

FINSTER, JOSEPH L., Associate Professor (Internal Medicine), 1977
A.B.; M.D., Georgetown School of Medicine, 1964

FIORE, SILVIA R., Professor (English), 1969
B.Ed.; M.A.; Ph.D., University of Pittsburgh, 1970

FIORECA, JAMES V., Assistant Professor (Obstetrics and Gynecology), 1987
B.A.; M.D., Tufts College of Medicine, 1982

FIRESTONE, GREGORY E., Visiting Assistant Professor (Public Health), 1989
B.S.; M.A.; Ph.D., University of South Florida, 1978
GAUGER, LISA L., Coordinator (Neurology), 1987
  B.A., University of North Carolina, 1980
GEAREN, JANICE M., Visiting Assistant in (Education), 1989
GECK, PETER, Research Assistant Professor (Medical Microbiology & Immunology) 1990
M.D., Semmelweis Medical University, 1975
GEIGER, O. GLENN, Professor (Psychological and Social Foundations), 1969
  B.A.; Ph.D., University of South Carolina, 1968
GESTEN, ELLIS L., Professor (Psychology), 1980
  B.A.; M.A., University of Rochester, 1974
GIBBONS, MICHAEL T., Associate Professor and Chairperson (Political Science), 1984
  B.A.; Ph.D., University of Massachusetts, 1983
GIERON-KORTHALS, MARIA A., Associate Professor (Pediatrics), 1991
  M.D., Medical School, Warsaw, Poland, 1971
GILBERT, CHARLOTTE M., Assistant Professor (Medicine), 1991
  B.S.N.; M.S.; Ph.D., University of South Carolina, 1991
GILBERT, RICHARD, Associate Professor - Chairperson (Chemical Engineering), 1978
  B.A.; M.S., Ph.D., University of South Florida, 1981
GILCHRIST, SANARA L., Associate Professor (Natural Sciences), New College, 1983
GILLEY, GLENN A., Counselor/Advisor and Instructor (Academic Services), 1986
  B.S.; M.S., Southern Illinois University, 1986
GILLESPIE, JULIE F., Director (Development) St. Petersburg Campus, 1984
GILMOUR, PHILIP, Research Associate (Business Administration), 1985
GILMOR, JOHN, Associate Professor (Anthropology), 1964
GILMOUR, JOHN, Professor (Anthropology), 1991
GILMOUR, JOHN, Professor (Psychology), 1992
  B.A., M.A., M.A., University of Michigan, 1993
GOLD, MICHAEL, Assistant Professor (Neurology), 1994
  B.S.; M.S., M.D., University of Miami, 1986
GOLDGOF, DMITRY, Assistant Professor (Engineering), 1989
  B.S.; M.S.; Ph.D., University of Illinois, 1989
GOLDMAN, ALLAN L., Professor (Internal Medicine), 1974
  B.A.; B.S., M.D., University of Minnesota, 1968
GOLDMAN, MARK S., Professor (Psychology), 1985
  B.S.; M.S., Ph.D., Rutgers University, 1972
GOLDSBERRY, DAVID T., Assistant Professor (Surgery), 1992
  B.A.; M.D., University of Connecticut, 1983
GOLDSTEIN, STEVEN C., Visiting Assistant Professor (Internal Medicine), 1993
  B.A.; M.D., University of Pittsburgh, 1985
GOLUB, JEFFREY N., Assistant Professor (Secondary Education), 1991
GOMES, JOSEPH L., Associate in Research (Computer Science and Engineering), 1987
  B.E., Mysore University, India, 1981
GOMES, LIGIA B., Instructor (Anesthesiology), 1989
  M.D., University of Lisbon, 1976
GOMEZ-SANCHEZ, ELISE P., Visiting Associate Professor (Internal Medicine), 1991
  B.S.; D.V.M., Ph.D., Texas A & M University, 1982
  B.S.; M.D., University of Florida, 1961
GOOD, ROBERT A., Professor (Pediatrics), St. Petersburg Campus, 1985
  B.A.; M.D., Ph.D., University of Minnesota, 1947
GOODING, DOLORES K., Lecturer (Engineering Technology Program), 1975
  B.S.E.; M.S.E., University of South Florida, 1975
GOOLSBY, JERRY R., Assistant Professor (Marketing) 1990
  B.A., M.B.A., Ph.D., Texas Tech University, 1988
GORDON, CHARLES A., Coordinator (Secondary Education), 1968
  B.A.; M.S., Ed.D., Nova University, 1971
GORDON, HORACE C., Lecturer (Bi-County Center For Engineering), Sarasota Campus, 1973
  B.E.E., M.S.E., University of South Florida, 1970
GORDON, MARCIA, Assistant Professor (Pharmacology and Therapeutics), 1992
  B.S.; Ph.D., University of Southern California, 1985
GORHAM, PATRICIA A., Assistant Dean-Assistant Professor (Nursing), 1988
  B.S.N.; M.S., State University of New York at Buffalo, 1973
GOTTSCHELL, PAUL E., Assistant Professor (Pharmacology & Therapeutics), 1992
  B.S.; M.S.; Ph.D., Michigan State University, 1986
GOULD, JAMES A., Professor (Psychology), 1964
  B.S., M.A., Ph.D., University of Michigan, 1953
GOULD, STANLEY F., Associate Professor (Obstetrics/Gynecology), 1992
  B.S.; Ph.D., M.D., Wayne State University, 1975
GRAHAM, LAUREL, Assistant Professor (Sociology), 1992
  B.A.; M.A., Ph.D., University of Illinois, 1992
GRAHAME, VICKI ANN, Associate University Librarian (University Libraries), 1986
  B.A.; M.A. North Texas State University, 1986
GRANGE, DENA G., Visiting Assistant Professor (Pediatrics), 1993
  B.S.; M.D., University of South Florida, 1990
GRAVEN, STANLEY N., Professor (Public Health), 1984
  B.S.; M.D., University of Iowa, 1956
GRAY, DAVID W., Research Associate (Business Administration), 1992
  B.S.; M.A., University of South Florida, 1991
GRAY, JIM S., Jr., Associate University Librarian (University Libraries), 1980
  B.A.; M.L.S.; M.B.A., University of South Florida, 1983
GREASER, AARON W., Assistant in (Education), 1990
  B.S., Fairmont State College, 1983
GREEK, CECIL E., Assistant Professor (Criminology), St. Petersburg Campus, 1988
  B.A.; M.A., Ph.D., New School, New York, 1983
GREEN, CAROLE A., Associate Professor (Economics), 1982
  B.A.; M.A., Ph.D., University of Illinois, 1982
GREEN, CHARLES S., Associate Professor (Social Science) New College, 1993
  B.A.; M.S.; Ph.D., Rutgers University, 1981
GREEN, THEODORE T., Assistant Professor (Architecture), 1991
  A.A.; B.A., M.A., Harvard University, 1982
GREENBAUM, PAUL E., Associate Professor (Epidemiology and Policy Analysis), 1987
  B.A.; M.S.; Ph.D., University of Kansas, 1977
GREENBAUM, SUSAN D., Chairperson-Assistant Professor (Anthropology), 1981
  B.A.; M.A., Ph.D., University of Kansas, 1980
GREENBERG, HARVEY M., Associate Professor (Cancer Education), 1986
  S.B.; M.D., University of Pittsburgh, 1972
GREENE, JOHN N., Assistant Professor (Internal Medicine), 1991
  B.S.; M.S., University of South Florida, 1986
HARMON, SARAH G., Associate University Librarian (Health Sciences Library), 1980
A.B.; M.A., University of South Florida, 1974

HARPER, DOUGLAS, Chairperson-Professor (Sociology), 1991
B.A.; Ph.D., Brandeis University, 1976

HARRIES, PETER J., Assistant Professor (Geology), 1992
B.S.; Ph.D. University of Colorado, 1993

HARRINGTON, THOMAS C., Associate Professor (Information Systems and Decision Sciences), Fort Myers Campus, 1987
M.B.S.; M.B. University of North Carolina, 1980

HARRIS, DEBORAH M., Assistant Professor (Education), 1989
B.A.; Med., Ph.D., University of North Carolina, 1985

HARRIS, LEBRONE C., Associate Professor (Accounting), 1970
B.S., M.Acc., D.B.A., Florida State University, 1970, C.P.A.

HARRIS, WILLARD S., Professor - Associate Chairperson (Internal Medicine), 1980
B.A.; M.D., New York University, Bellevue College of Medicine, 1957

HARRISON, ELIZABETH A., Associate in (Education), 1989
B.A.; M.A., Ph.D., University of South Florida, 1990

HARTFIELD, JAMES E., Associate Vice President-Associate Professor (Health Sciences), 1988
B.S.; M.D., Baylor University, 1961

HARTUNG, JOHN W., Associate University Librarian (University Libraries), 1978
B.A., M.A.L.S., University of South Florida, 1976

HARWOOD, BENEDICT T., Associate Professor (FMH), 1989
B.S.; M.A.; Ph.D.; J.D., State University of New York, 1984

HASSIOTIS, SOPHIA, Assistant Professor (Civil Engineering and Mechanics), 1993
B.S.; M.S., Ph.D., Purdue University, 1993

HASSOLD, CRIS, Associate Professor (Humanities), New College, 1975
B.A.; M.A.; Ph.D., Florida State University, 1972

HATCHER, JOHN S., Professor (English), 1968
B.A.; M.A., Ph.D., University of Georgia, 1968

HAUSER, ROBERT A., Assistant Professor (Medicine), 1989
B.A.; M.D., Temple University, 1982

HAVICE, DEBORAH L., Visiting Assistant in (Internal Medicine), 1993
R.N., St. Vincent Hospital School of Nursing, 1978

HAWKINS, ANNIE L., Associate Professor (Music Arts), 1969
B.A.; M.A., University of South Florida, 1970

HAYDEN, WILLIAM P., Associate Professor (Music), 1989
B.M., M.M., The Juilliard School of Music, 1976

HEAL, ALBERT V., Associate Professor (Cancer Education), 1987
B.S.; M.S.; M.S., Ph.D., University of Michigan, 1971

HECHICHE, ABDELWAHAB, Professor (Interdisciplinary Social Science), 1990
M.A., Docteur en Etudes Orientales, Sorbonne, 1966

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
B.S.; M.S.; L.S.; M.A., University of South Florida, 1978

HEIM, WILLIAM J., Associate Professor (English), 1970
A.B.; M.A., Ph.D., Indiana University, 1974

HEINEMANN, DENISE, Assistant Professor (Nursing), 1989
B.S.; M.Ed., Dr. P.H., Yale University, 1982

HELAL, AMIRA A., Assistant Professor (Pediatrics), 1989
M.B.B., Ch.B.; M.Sc.; M.R.C.P. (M.D.), London University, 1983

HELAL, MOHAMED A., Visiting Assistant Professor (Surgery), 1991
M.B., M.S., F.R.C.S. (M.D.), Royal College of Surgeons, 1982

HELLE, H. WILLIAM, Dean and Professor (St. Petersburg Campus), 1992
B.S.; M.S.; P.M.A.; Ed.D., University of Northern Colorado, 1964

HELLE, JACK J., Professor-Chefperson (Music), 1985
M.Mus.; Ph.D., University of Iowa, 1962

HELLE, RICHARD, Visiting Assistant Professor (Surgery), 1989
B.S.; M.S.; Ph.D., University of South Florida, 1989

HELP, ROBERT E., Professor (Music), 1980

HELTON, SONIA D., Professor (Childhood Education), St. Petersburg Campus, 1971
B.A., M.A., Ph.D., University of Minnesota, 1976

HELTON, WENDEY, Visiting Program Director (Adult and Vocational Education), 1990
B.S.; M.A.T., Indiana University, 1970

HENCEY, JENNIFER Y., Associate Professor (Radiology), 1993
B.A.; M.D., Vanderbilt University, 1988

HENCKEL, KARSTEN, Associate Professor (Mathematics), New College, 1986
B.A.; M.A., Ph.D., University of California at Berkeley, 1977

HENDERSON, J. NEIL, Assistant Professor-Coordinator (Suncoast Gerontology Center), 1981
B.A.; M.S.; Ph.D., University of Florida, 1979

HENDERSON, PATRICIA A., Assistant in Research (Engineering), 1989
B.A., University of South Florida, 1979

HENDRICKS, SARA J., Research Assistant in (CUTR Engineering), 1992
B.A.; M.R.P., University of North Carolina

HENDRY, CAROLE F., Lecturer (Biology), 1967
B.A., M.A., University of South Florida, 1968

HENLEY, ELTON F., Professor (English), 1963
B.A.; M.A., Ph.D., Florida State University, 1962

HENLEY, WORTH B., Visiting Assistant in (Center for Microelectronics), 1989
B.S.; Ph.D., University of South Florida, 1993

HENNING, RUDOLF E., Professor (Electrical Engineering), 1971
B.S.E.E., M.S.E.E., Sc.D., Columbia University, 1954, P.E.

HENRY, DEBORAH B., Assistant University Librarian (University Libraries), St. Petersburg Campus, 1988
B.A.; M.S.; M.A., University of South Florida, 1987

HENSEL, JAMES S., Associate Professor (Marketing), St. Petersburg Campus, 1976
B.A.; M.B.A.; Ph.D., Ohio State University, 1970

HERANDER, MARK G., Professor (Economics), 1979
A.B.; Ph.D., University of North Carolina, 1980

HERBERT, RUE M., Assistant University Librarian (University Libraries), 1977
B.A., M.L.S., M.A., University of South Florida, 1982

*HERMAN, WALTER J., Professor (Economics), 1960
B.S.; M.B.A.; Ph.D., University of Florida, 1965

HERNANDEZ, MARIO, Research Associate Professor (Child and Family Studies), 1993
B.A., M.A., University of South Florida, 1983

HERON, SUSAN, Department Head/Associate University Librarian (University Libraries), 1990
B.A.; M.A., Indiana University, 1974

HESS, ALFRED V., Visiting Assistant Professor (Surgery), 1992
B.A.; M.S.; M.D., University of Cincinnati, 1985

HESS, DANIEL P., Assistant Professor (Mechanical Engineering), 1991
B.A.; M.S.; Ph.D., State University of New York, 1991

HESS, JEFFREY B., Associate Professor (Ophthalmology), 1979
B.A.; M.D., Baylor College of Medicine, 1971

HEWITT, GWEN E., Counselor/Advisor - Instructor (Academic Services), 1987
B.S.; M.Ed., Florida A&M University, 1968

HEWITT, MARGARET A., Lecturer (Childhood Education), 1981

HEWITT, REGINA L., Associate Professor (English), 1987
B.A.; M.A., M.Phil., Ph.D., Columbia University, 1987

HICKS, DALE A., Academic Administrator (Counseling Center for Human Development), 1977
B.S.; M.A.; Ph.D., Bowling Green State University, 1977

HILEMENZ, JOHN W., Visiting Assistant Professor (Internal Medicine), 1991
B.S.; M.D., University of Virginia School of Medicine, 1978

HILBELINK, DON R., Professor (Anatomy), 1980
B.S.; M.D., The Medical College of Wisconsin, 1977
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Education Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>HILL, ERIC T.</td>
<td>Assistant in Engineering</td>
<td>1991</td>
</tr>
<tr>
<td>HILL, HOLLY A.</td>
<td>Assistant Professor (FMHI)</td>
<td>1990</td>
</tr>
<tr>
<td>HINE, ALBERT C.</td>
<td>Professor (Marine Science)</td>
<td>St. Petersburg campus, 1979</td>
</tr>
<tr>
<td>HINES, CONSTANCE V.</td>
<td>Associate Professor and Associate Dean (Educational Measurement and Research), 1983</td>
<td></td>
</tr>
<tr>
<td>HINTON, JAMES M.</td>
<td>Professor (Secondary Education), 1988</td>
<td></td>
</tr>
<tr>
<td>HITE CLARE E.</td>
<td>Lecturer (Counseling Center for Human Development), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFF, CHRISTINE</td>
<td>Assistant Professor (Anthropology), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1986</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, CHISSLIM, THERESA</td>
<td>Assistant Professor (Communicology), 1988</td>
<td></td>
</tr>
<tr>
<td>HOFF, ANDREW M.</td>
<td>Assistant Professor (Center for Micro Electronics), 1988</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Dean - Associate Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, RICHARD P.</td>
<td>Associate Professor (Academic Affairs), 1980</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFF, DANIEL J.</td>
<td>Visiting Professor (Internal Medicine), 1993</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, HUBERT A.</td>
<td>Professor (Professional Physical Education), 1985</td>
<td></td>
</tr>
<tr>
<td>HOFFMAN, MITCHEL S.</td>
<td>Associate Professor (Obstetrics and Gynecology), 1985</td>
<td></td>
</tr>
</tbody>
</table>
| HHO
JOHNSON, ROGER E., Professor (Secondary Education), 1967
J.B.S., M.A., Ph.D., University of Minnesota, 1967
JOHNSON, RUBYE N., Associate Professor (Social Work), 1993
JOHNSON, THOMAS E., JR., Associate Professor (Information Systems/Decision Sciences), 1974
B.S., M.A., Ph.D., University of Alabama, 1971
JOHNSTON, J. HOWARD, Chairperson-Professor (Secondary Education), 1990
B.S., M.S., Ph.D., University of Wyoming, 1974
JOHNSTON, JUDY F., Assistant Director University Library (Health Sciences Library), 1986
B.S.; Ph.D., University of Michigan, 1964
JOHNSTON, MILTON D., JR., Associate Professor (Chemistry), 1973
B.A.; A.M., Ph.D., Princeton University, 1970
JOINER, CHRISTOPHER J., Research Associate (Graduate Architecture Program), 1993
B.A.; M.A., University of South Florida, 1991
JOLLEY, ROBERT R., Coordinator (Marine Science), 1979
B.Sc., University of Miami, Florida, 1971
JONAITIS, ANTHONY J., JR., Associate Professor (Professional Physical Education), 1965
B.S., M.S., Springfield College, 1956
JONES, F. RON, Assistant in Research (Civil Engineering and Mechanics), 1988
M.P.A.; M.C.P., Ph.D., Massachusetts Institute of Technology, 1981
JONES, HILTON K., Associate Professor (Music Arts), 1969
B.M.; M.M., Eastman School of Music, 1968
JONES, JANET L., Assistant in (Internal Medicine), 1987
B.A., University of Florida, 1973
JONES, MAURINE A., Associate in Research (Public Health), 1993
B.S., Ph.D., Florida State University, 1986
JONES, W. DENVER, Professor (Physics), 1970
B.A.; M.A., Ph.D., Vanderbilt University, 1963
JONASKA, NATASA, Assistant Professor (Mathematics), 1993
B.S.; Ph.D., State University of New York, 1993
JORGENSEN, DANNY L., Professor (Religious Studies), St. Petersburg Campus, 1978
B.S.; M.A.; Ph.D., Ohio State University, 1979
JORGENSEN, E. VERENA, Assistant Professor (Pediatrics), 1988
B.S.; M.D., Duke University, 1981
JOSEPH, ANNIE, Assistant Professor (Anesthesiology), 1991
B.S.; M.D., University of Kerala, 1980
JOZSI, CELINA L., Lecturer (Accounting), 1976
B.A., M.A., University of South Florida, 1976
JREISAT, JAMIL E., Professor (Public Administration), 1968
B.S.; M.P.A., University of Pittsburgh, 1968
JUDISCH, JANIFER M., Professor (Pediatrics), 1975
M.D., State University of Iowa, 1963
JURCH, GEORGE R., JR., Professor (Chemistry), 1966
B.S.; B.S., M.S., Ph.D., University of California, San Diego, 1965
JURISTO, MICHELE S., Assistant Curator (University Galleries), 1971
Diploma in Painting, College Ganneron, 1958
KAHANA, LAWRENCE, Professor (Internal Medicine), 1987
B.S.; M.A.; M.D., Washington University College of Medicine, 1952
KAHN, STEPHEN C., Associate Professor (Accounting), 1969
B.A., M.A.; J.D., University of Florida, 1965
KALLERGI, MARIA, Assistant Research Professor (Radiology), 1992
B.S.; M.S., Ph.D., University of South Florida, 1991
KALRA, MINNEA B., Visiting Assistant Professor (Anesthesiology), 1992
B.S.; M.D., University of Bombay, 1978
KALTER, CRAIG S., Visiting Instructor (Obstetrics and Gynecology), 1992
B.S.; M.D., University of South Florida, 1988
KAMP, BRADLEY P., Assistant Professor (Economics), 1992
B.A.; M.A.; Ph.D., University of California, 1993
KANATAS, GEORGE, Chairperson/Professor, (Finance), 1990
B.S.; Ph.D.; Ph.D., Johns Hopkins University, 1978
KANDEL, ABRAHAM, Chairperson & Professor (Computer Science Engineering), 1991
B.S.; M.S.; Ph.D., University of New Mexico, 1977
KANGAS, RUTH, Assistant In Research (Pediatrics), 1989
K.S., University of Florida, 1986
KAPATKIN, MAUREEN S., Visiting Instructor (Nursing), 1993
B.A.; M.S., University of South Florida, 1989
KAPPLIN, STEVEN D., Professor (Finance), 1974
B.A., Ph.D., Georgia State University, 1979
MAPUR, SUMAN, Research Associate (Pathology),
B.Sc.; M.Sc., All India Institute of Medicine, 1985
KARES, PETER, Associate Professor (Finance), 1969
B.S.; M.S., Ph.D., Purdue University, 1968
KARL, HERBERT G., Professor (Social Science Education), St. Petersburg Campus, 1971
B.A., M.A., Ph.D., Florida State University, 1970
KARL, RICHARD C., Professor (Cancer Education), 1983
M.D., Cornell University Medical School, 1970
KARL, STEPHEN A., Assistant Professor (Biology), 1993
B.A.; Ph.D., University of Georgia, 1992
KARLINS, MARVIN, Professor (Management), 1974
B.A.; M.A., Ph.D., Princeton University, 1966
KARNISKI, WALD, Visiting Associate Professor (Pediatrics), 1981
M.D., University of Kansas Medical Center, 1976
KARP, PAULINE, Instructor (Nursing), 1990
B.S.; B.S., Florida State University, 1988
KARTSATOS, ATHANASSIOS G., Professor (Mathematics), 1971
Diploma, Ph.D., University of Athens, Greece, 1969
KASE-POLISINI, JUDITH B., Professor (Secondary Education), 1969
B.A.; M.A., Case Western Reserve University, 1956
KASTEN, WENDY C., Associate Professor (Childhood Education),
Sarasota Campus, 1984
B.A.; M.Ed., Ph.D., University of Arizona, 1984
KATZ, NATHAN, Professor (Religious Studies), 1984
A.B.; M.A., Ph.D., Temple University, 1978
KATZENMEYER, WILLIAM G., Dean (Education) - Professor (Educational Measurement and Research), 1978
KAUFMAN, ROY NAOMI P., Vice President (Health Sciences) - Professor (Internal Medicine), 1987
B.S.; M.D., University of Pennsylvania School of Medicine, 1955
KAUFMANN, DONALD L., Professor (English), 1968
B.A., M.L., Ph.D., University of Iowa, 1966
KAW, AUTAR K., Associate Professor (Mechanical Engineering), 1987
B.E.; M.S., Ph.D., Clemson University, 1987
KAYWELL, JOAN F., Assistant Professor (Curriculum and Instruction), 1987
KAZAKS, PETER A., Professor (Natural Sciences), New College, 1975
B.Sc.; M.Sc., Ph.D., University of California, 1968
KAZANIS, BARBARA W., Associate Professor (Content Specializations), 1974
KEARNEY, KEVIN E., Director-Associate Professor (Bachelor of Independent Studies), 1964
B.S., M.A., Ph.D., University of Florida, 1960
KEARNEY, ROBERT, Assistant Professor (Cancer Education Surgery), 1992
B.S., M.D., Jefferson Medical School, 1983
KEARNS, WILLIAM D., Assistant In (Florida Mental Health Institute), 1981
B.A.; M.A., Ph.D., University of South Florida, 1989
KEENE, T. WAYNE, Associate Professor (Educational Leadership), 1963
KEITH, JOHN E., Department Head/University Librarian (University Libraries), 1968
B.A., M.L.S., Louisiana State University, 1969
KEEZER, DAVID C., Associate Professor (Center for Micro Electronics), 1989
B.A.; M.S.; Ph.D., Carnegie Mellon University, 1983
KEEL, ROBERT M., Professor (Accounting), 1969
B.S.; M.Acc., Ph.D., University of Alabama, 1969, C.P.A.
KELL, SARA V., Visiting Assistant In (Child Development Center), 1993
B.S., State University of New York, 1965
KELLER, RONALD K., Professor (Biochemistry), 1975
B.S.; Ph.D., Vanderbilt University, 1973
KELLEY, ANNE E., Associate Professor (Political Science), 1963
B.S., M.S., Ph.D., Florida State University, 1961
KELLEY, SUSAN D., Assistant Professor (Rehabilitation Counseling), 1993
B.A.; M.S., Ph.D., Florida State University, 1980
KELLY, JUDY M., Associate University Librarian (Library) Sarasota/ New College, 1993
B.A.; M.A., George Peabody College, 1962
KEMP, THOMAS J., Department Head/University Librarian (Special Collections), 1991
B.A., M.L.S., Brigham Young University, 1974
KEPEZHINSKAS, PAVEL K., Visiting Assistant Professor (Geology), 1992
M.Sc.; Ph.D., Institute of Lithosphere, 1987
KERN, ROBERT L., Professor (Mass Communications), 1972
B.A.; M.A., Syracuse University, 1970
KHATOL, RENU, Associate Professor (Political Science), 1985
B.A.; M.A., Ph.D., Purdue University, 1985
KHATOL, SURESH K., Professor (Industrial and Management Systems), 1983
B.E.; M.T., Ph.D., Purdue University, 1975, P.E.,
KHORSANDIAN, JAN K., Assistant Professor (Music Arts), 1971
B.S.; M.S.; M.A., University of South Florida, 1993
KILLENBERG, GEORGE M., Professor (Mass Communications), St. Petersburg Campus, 1988
B.A.; M.A., Ph.D., Southern Illinois University, 1975
KILLINGER, DENNIS K., Professor (Physics), 1987
B.A.; M.A.; Ph.D., University of Michigan, 1978
KILPATRICK, GLENDIA F., Associate in (Adult and Vocational Education), 1991
B.A., University of South Florida, 1996
KIMMEL, M.E., Professor (Psychological and Social Foundations), 1968
B.A.; M.A., Ph.D., University of Florida, 1965
KINDER, BILLY N., Professor (Psychology), 1976
B.S.; Ph.D., University of South Carolina, 1975
KING, FIRMAN D., Assistant Professor (Electrical Engineering), 1987
B.S.; M.S., Ph.D., University of Florida, 1980
KING, JAMES R., Associate Professor (Childhood Education), 1990
B.A.; M.A.; Ed.D., West Virginia University, 1980
KING, SYLVIA C., Counselor/Advisor and Instructor (Arts and Sciences), 1974
B.S.; M.A.T.; M.S., University of Washington, 1966
KINJOH, KOKEN, Associate in Research (Pediatrics), St. Petersburg Campus, 1992
KIRKLEN, LEONARD E., Counselor/Advisor (Counseling Center for Human Development), 1985
B.A.; M.S.; Ph.D., Purdue University, 1982
KIRKPATRICK, ANTHONY F., Assistant Professor (Anesthesiology), 1988
B.S.; M.S.; Ph.D.; M.D., University of Dominica, 1980
KIRSTEN, CHERYL L., Assistant Professor (Psychology), 1993
B.A.; M.A., Ph.D., State University of New York, 1989
KLEIFMAN, MICHAEL B., Associate Professor (Sociology), 1978
B.A.; M.A., Ph.D., Pennsylvania State University, 1979
KLEIN, THOMAS W., Professor (Medical Microbiology), 1973
B.S.; Ph.D., Creighton University, 1972
KLEINE, GEORG-HELMUT, Associate Professor (History), 1968
Ph.D., University Erlangen-Nurnberg, 1967
KLEMPERER, MARTIN R., Professor (Pediatrics), St. Petersburg Campus, 1987
A.B.; M.D., New York University School of Medicine, 1957
KLESIUS, JANELL P., Professor (Childhood Education), 1972
B.S.; M.A., Ph.D., Florida State University, 1980
KLESIUS, STEPHEN E., Professor (Professional Physical Education), 1969
B.S.; M.A.; Ph.D., Louisiana State University, 1968
KUSCH, MARK, Counselor-Advisor (Counseling Center), 1978
B.A., M.A., Ph.D., Catholic University of America, 1978
LUDWIG, MICHAEL Z., Associate In (Biology), 1991
B.S., Ph.D., Institute of Development of Biology, 1985
LUPTON, D. KEITH, Program Director (Interdisciplinary Social Science), 1967
B.S.; LL.B.; M.A., Dartmouth College, 1951
LUTHER, MARK E., Associate Professor (Marine Science), 1990
B.A., M.S., Ph.D., University of North Carolina, 1982
LYMAN, CHARLES P., Professor (Visual Arts), 1972
B.A.; M.S., Institute of Design, Illinois Institute of Technology, 1969
LYMAN, GARY H., Professor (Internal Medicine), 1977
B.A., M.D., M.P.H., Harvard, 1982
LYON, KELLY M., Assistant In Research (Surgery), 1985
B.S., University of South Florida, 1993
MAAS, STEVEN E., Assistant In (CUTR Engineering), 1991
B.A., University of Nebraska, 1984
MACK, LINDA M., Assistant Professor (Communications Sciences and Disorders), 1990
B.A.; M.A., Ph.D., University of Florida, 1989
MACKLEY, BERNARD A., Associate Vice President (Academic Affairs), 1972
B.F.A.; M.A.; Ph.D., University of Florida, 1977
MAC MANUS, SUSAN A., Chairperson-Professor (Public Administration), 1987
B.A.; M.A.; Ph.D., Florida State University, 1975
MADISON, SUSAN G., Assistant Professor (Childhood Education), 1993
MADRIGAL, LORENA, Assistant Professor (Anthropology), 1988
B.S.; M.A.; Ph.D., University of Kansas, 1988
MAHADEVAN, SRIHAR, Assistant Professor (Computer Science and Engineering), 1993
B.E.; M.T.; Ph.D., Rutgers University, 1990.
MAIER, JULIE E., Lecturer (Graphicstudio), 1991
B.A., Otoggo School of Art, 1988
MAJAU-MOKDAR, KAYA, Visiting Instructor (Merit), 1992
B.A.; M.A.; M.A., University of South Florida, 1987
MAJINOWSKI, DARIUSZ, Visiting Scholar/Scientist (CUTR), 1993
M.S., Warsaw University of Technology, 1985
MALONE, JOHN I., Professor (Pediatrics), 1972
B.S.; M.D., University of Pennsylvania School of Medicine, 1967
MALONEY, MARY A., Visiting Assistant In (Education), 1988
MAMEL, JAY J., Associate Professor (Internal Medicine), 1979
B.A., M.D., University of Wisconsin Medical School, 1974
MANCK, WILLIAM J., Counselor/Advisor (Small Business Development Center), 1980
B.S.; M.B.A., College of the City of New York, 1966
MANNELL, LEON, Professor and Director (Chemistry), 1983
B.S.; M.A., Harvard University, 1951
MANNELL, SARA R. Associate Professor (Religious Studies), 1984
A.B.; A.M., Ph.D, New York University, 1969
MANGAR, DEVANAND, Assistant Professor (Anesthesiology), 1990
B.S., M.A., M.D., State University of New York, 1985
MANGUM, WILEY P., Associate Professor (Gerontology), 1972
B.A.; M.A., Ph.D., University of Southern California, 1971
MANN, MARCIA L., Assistant Dean (Education - Professor (Childhood Education), 1970
B.A.; M.Ed.; Ph.D., University of Nebraska, 1970
MANN, PATRICIA S., Associate in Research (Public Health), 1993
B.S.; M.S., University of North Carolina, 1970
MANNINA, SONIA B., Assistant in (Engineering), 1988
B.S., University of South Florida, 1988
MANNING, RANDOLPH, Visiting Associate Dean (Medicine) - Associate Professor (Family Medicine), 1984
B.A.; M.A., Ed.D., George Washington University, 1979
MANOUGIAN, MANOUG N., Professor (Mathematics), 1968
B.A., M.A., Ph.D., University of Texas, 1968
MANSSELL, JOYCE A., Counselor/Advisor (Student Personnel), 1983
B.S.; M.S., Indiana University, 1964
MANSELL, RICHARD L., Interim Dean (Graduate School) - Professor (Biology), 1967
A.B., M.A., Ph.D., Indiana University, 1964
MARTON, FRANCES, Associate in (Theatre), 1988
B.A., M.A., M.F.A., University of Colorado, 1982
MARFO, KOFI, Professor (Special Education), 1982
B.Ed.; M.Ed.; Ph.D., University of Alberta, 1985
MARGO, CURTIS, Professor (Ophthalmology), 1992
B.S.; M.D., Emory University, 1974
MAROUSIS, GEORGE B., Professor (Obstetrics/Gynecology), 1985
B.S.; M.D., Albany Medical College, 1967
MARQUARDT-CHERRY, JANET T., Associate Professor and Chairperson (Visual Arts), 1992
B.A., M.A., University of California at Los Angeles, 1986
MARSH, BRUCE L., Professor (Visual Arts), 1969
B.A.; M.A., California State University, 1965
MARSH, JOHN W., Research Associate (Architecture), 1993
B.A.; M.A., University of South Florida, 1993
MARTIN, GREGORY L., Assistant Professor (Marketing), 1993
B.S.; M.B.A.; Ph.D., Oklahoma State University, 1993
MARTIN, DEAN F., Distinguished Service Professor (Chemistry), 1964
A.B.; Ph.D., Pennsylvania State University, 1958
MARTIN, JAMES R., Associate Professor (Accounting), 1982
B.S., M.S., Ph.D., University of Alabama, 1976, C.M.A.
MARTIN, PATRICIA K., Visiting Assistant Professor (Psychology), 1991
B.A.; M.A., Ph.D., University of South Florida, 1989
MARTINEZ, VICTOR J., Assistant Professor (Surgery), 1993
B.S.; M.D., J.D., University of Miami, 1990
MARTON, FRANCES, Visiting Assistant Professor (Psychiatry), 1988
B.S.; M.S., University of Wisconsin, 1978
MARCY, PHILLIP J., Professor (Health), 1990
B.S.; M.D., University of Wisconsin, Madison, 1980
MASON, FRANK T., Assistant Professor (English), 1969
B.A.; M.A., Ph.D., Michigan State University, 1974
MASON, THOMAS J. Professor (Epidemiology and Biostatistics), 1993
B.A.; M.S., Ph.D., University of Georgia, 1973
MASSEY, OLIVER T., Assistant Professor (Florida Mental Health Institute), 1989
B.A., Ph.D., University of Tennessee, 1982
MASSIE, PAUL, Professor (Theatre), 1974
MATHENY, ARTHUR R., Assistant In (Academic Computing), 1993
B.S.; M.S.; M.S., University of South Florida, 1993
MATHews, CHARLES S., Assistant Professor (Management), 1993
B.S., M.S., University of Southern California, 1992
MATHIAS, ROSEMARY G., Assistant in (Center for Urban Transportation), 1992
B.A., M.P.A.; M.B.A., Boston University, 1984
MAULL, PERRY J., Visiting Assistant In (Center for Urban Transportation), 1992
B.S., M.B.A., Indiana University, 1975
MAUER, PETER W., Associate Professor (Computer Science and Engineering), 1987
B.A.; M.S., Ph.D., Iowa State University, 1982
MAUSER, AUGUST J., Professor (Exceptional Child Education), 1981
B.S., M.S., Ed.D., Indiana University, 1968
MAYER, GEORGE H., Professor (History), Sarasota Campus, 1969
B.A.; M.A.; Ph.D., University of Minnesota, 1948
MAYER, JR., JAMES C., Visiting Instructor (Obstetrics), 1992
B.S.; M.S., M.D., Tulane University, 1988
MCALISTER, LINDA L., Professor (Women's Studies), 1982
A.B.; Ph.D., Cornell University, 1968
MCALLISTER, EARL W., Assistant Professor (Surgery), 1988
B.S., M.D., Louisiana State University, 1980
MC CARThY, JANET L., Program Director-Professor (Institute for At-Risk Infants), 1991
B.S.; M.A., Ed.D., Indiana University, 1968
MC CARThY, TRACY L., Assistant Director - Instructor (Aging Studies), 1993
B.S., Florida Atlantic University, 1991
MILLER, RANDY E., Assistant Professor (Mass Communications), 1989
B.A.; M.A.; Ph.D., University of Texas, 1991
MILLER, SHARON G., Assistant Professor (Psychiatry), 1979
B.A.; M.S.W., Carleton University, 1974
MILLER, THOMAS L., Assistant in Research (Civil Engineering and Mechanics), 1988
B.S.Ed.; M.Ed.; Ph.D., Michigan State University, 1978
MILLER, VIRGINIA A., Assistant in Research (Public Health), 1993
B.A.; M.S., University of Puerto Rico, 1971
MILLER, WILLIAM A., Assistant Professor (Industrial and Management Systems), 1987
B.S.M.E.T., M.Ed., M.S.I.E., Ph.D., Clemson University, 1987
MILLIKEN, DEAN M., Associate Director- Instructor (Florida Institute of Oceanography), St. Petersburg Campus, 1973
A.B.; M.A., University of South Florida, 1975
MILLS, JOSEPH L., Visiting Assistant Professor (Surgery), 1992
B.S., M.D., Georgetown University, 1981
MILO, KAREN M., Assistant Professor (Psychiatry), 1991
A.A., B.A., M.S., Ph.D, Florida State University, 1993
MINES, JR., RICHARD O., Assistant Professor (Civil Engineering and Mechanics), 1992
B.S.; M.S.; Ph.D, Virginia Polytechnic Institute, 1983
MING, LI-JUNE, Assistant Professor (Chemistry), 1991
B.S.; M.S., University of California, 1988
MITCHELL, MOZELLA G., Associate Professor (Religious Studies), 1981
A.B.; M.A.; M.A.; Ph.D., Emory University, 1980
MIZUTANI, HAJIME, Associate In (Pediatrics) St. Petersburg Campus, 1991
MODROW, WILLIAM G., Assistant Professor (Finance), 1963
B.A., M.S., Texas A & M University, 1963
MOFFITT, KAREN A., Associate Professor (Psychiatry), 1983
B.A., B.A., M.A., Ph.D, University of South Florida, 1982
MOGUI, PRAVEEN K., Associate In (Engineering Computer Services), 1993
B.S.; M.S., Indian Institute of Technology, 1989
MOHNEY, DAVID A., Assistant In (Educational Leadership and Higher Education), 1970
B.A., Anderson College, 1961
MONGUO, MAURICE Y., Assistant Professor (Public Administration), 1989
B.A.; M.P.I.A., Ph.D, University of Pittsburgh, 1989
MONROE, ANNETTA Y., Associate Professor (Music), 1973
B.M., Oberlin College Conservatory of Music, 1963
MONTROSE, BRUCE E., Assistant In (Engineering), 1989
B.A., M.S., University of South Florida, 1989
MOODY, LINDA E., Professor (Nursing), 1990
R.N. B.S.N., M.N., Ph.D, M.P.H., University of North Carolina, 1983
MOON, JAMES E., Professor (Accounting), 1983
B.S., M.A., Ph.D, University of Alabama, 1970
MOORe, BEVERLY K., Assistant In (Pediatrics), 1988
B.S.N., M.S.N., Medical College of Georgia, 1980
MOORE, JACK B., Professor (English), 1962
B.A.; M.A.; Ph.D, University of North Carolina, 1963
MOORE, JAMES A., Associate Professor (Graduate Architecture Program), 1988
B.S.; M.S.; M.S., Ph.D, University of Pennsylvania, 1987
MOORE, JANET S., Assistant Professor (Fine Arts), 1989
MOORE, JOHN D., Associate Professor - Chairperson (Humanities), New College, 1980
A.B.; A.M., Ph.D, Stanford University, 1969
MOORE, KATHLEEN M., Director (Academic Affairs), 1990
B.A.; M.S.; Ph.D, University of South Florida, 1990
MOORE, MARVIN L., Academic Administrator (Institute on Black Life), 1990
B.A.; Ph.D, University of North Carolina-Greeensboro, 1988
MOORE, SUZANNE R., Academic Administrator (Arts & Sciences), 1990
B.A., University of South Florida, 1989
MOORHEAD, JOHN B., Assistant Professor (Music), 1987
B.A.; M.M., Northwestern University, 1979
MORDAI, BENHAM, Research Scholar/Scientist (Center for Microelectronics), 1993
B.S.; M.S.; Ph.D, Iowa State University, 1993
MOREHOUSE, LAWRENCE, Assistant Professor (Political Science), 1985
B.A.; M.A., Cornell University, 1980
MOREL, DON L., Professor (D.A.R.P.A.), 1989
B.S., Ph.D.; M.B.A., Rutgers University, 1979
MORENO, WIFRIDO A., Visiting Assistant In (D.A.R.P.A.), 1990
B.S.; M.S.; Ph.D, University of South Florida, 1993
MORGAN, CLAYTE P., Lecturer (Law and Mental Health), 1993
B.A.; M.S., Howard University, 1984
MORGAN, DAVID G., Associate Professor (Pharmacology and Therapeutics), 1992
B.A.; M.S., Ph.D, Northwestern University, 1981
MORIYASU, KOJI, Associate in Research (Surgery), 1991
M.D., Showa University School of Medicine, 1986
MORMINO, GARY R., Professor (History), 1977
B.A., M.A., Ph.D, University of North Carolina, 1977
MORRILL, JOHN B., Professor (Natural Sciences), New College, 1975
B.A.; M.S.; Ph.D, Florida State University, 1958
MORRIS, WILLIAM E., Professor (English), 1964
B.A., M.A.; Ph.D, University of North Carolina, 1957
MOSCINSKI, LYNN C., Associate Professor (Pathology), 1988
B.S., M.D., University of Wisconsin, Milwaukee, 1981
MUKA, ROBERT T., Visiting Assistant In (Education), 1993
B.S.; M.S., University of South Florida, 1990
MOTTA, PHILIP J., Associate Professor (Biology), 1987
B.S.; Ph.D, University of Hawaii, 1980
MOTTO, ANNA L., Professor (Classics), 1973
B.A.; M.A., Ph.D, University of North Carolina, 1953
MOXLEY, JOSEPH M., Associate Professor (English), 1984
B.A.; B.A.; M.A., Ph.D, State University of New York at Buffalo, 1984
MUELLER, O. THOMAS, Research Assistant Professor (Pediatrics), 1987
B.A.; Ph.D, Pennsylvania State School of Medicine, 1978
MUFFLY, KARL E., Assistant Professor (Anatomy), 1988
B.S., M.S., Ph.D, University of Nebraska Medical Center, Omaha, 1984
MUKHERJEE, ARUNAVA, Professor (Mathematics), 1969
B.Sc., M.Sc.; Ph.D, Wayne State University, 1967
MUKHERJEE, PRITISH, Assistant Professor (Physics), 1988
B.Sc., M.Sc.; M.A., Ph.D, State University of New York at Buffalo, 1986
MULLAN, MICHAEL, Research Associate Professor (Psychiatry)
B.S., B.M., M.D., London University, 1984
MULLER, PAMELA, Professor (Marine Science), 1982
B.A.; M.S., Ph.D, University of Hawaii, 1977
MULLER-KARGER, FRANK E., Assistant Professor (Marine Science), St. Petersburg Campus, 1988
B.S., M.S., Ph.D, University of Maryland, 1988
MULLINS, DAVID T., Assistant Professor (Natural Science) New College, 1991
B.A.; M.S., Ph.D, Stanford University, 1991
MULLINS, JAMES O., Assistant In Research (Marine Science), 1986
MULLINS, JOHN B., Program Director (Law and Mental Health), 1990
B.A.; B.S., Florida State University, 1972
MULLINS, LARRY C., Chairperson-Professor (Gerontology), 1980
B.A., M.A., M.P.H., Ph.D, Yale University, 1978
MULTHROP-STEPHENS, HEIDI, Visiting Assistant Professor (Surgery), 1993
B.A., Goucher College, 1983
MUMME, ROY L., Assistant Professor (Psychological and Social Foundations), Ft. Myers Campus, 1966
A.B.; M.A., M.Ed., University of North Carolina, 1953
MURPHY, JERRY, Associate Professor (Civil Engineering and Mechanics), 1984
B.S.C.E.; M.C.E., Ph.D, University of Oklahoma, 1971, P.E.
MURRAY, WILLIAM M., Associate Professor (History), 1982
B.A.; Ph.D., University of Pennsylvania, 1982
MURTAGH, F. REED, Professor (Radiology), 1983
B.A.; M.D., Temple University School of Medicine, 1971
MUSHTINSKY, HENRY R., Professor (Biology), 1979
B.S.; M.S.; Ph.D., Clemson University, 1973
MUSICK, JEFFREY E., Visiting Instructor (Florida Mental Health Institute), 1993
B.A.; M.A.; M.S., University of Florida, 1991
MUSSON, CARL F., Coordinator (Fine Arts), 1989
B.S.; M.F.A., University of Texas at Austin, 1979
MYERS, GAIL, Research Associate In (Public Health), 1993
B.S.; M.S., Florida State University, 1985
MYERSON, MARYLYN, Associate Dean (Arts and Sciences) - Associate Professor (Women's Studies), 1973
B.A.; M.A., Ph.D., State University of New York at Buffalo, 1976
MYHRE, DOUGLAS A., Research Assistant In (Marine Science), 1993
B.S., University of Hawaii, 1984
NAAR, DAVID F., Assistant Professor (Marine Science), St. Petersburg Campus, 1990
B.A.; M.S.; Ph.D., University of California-San Diego, 1990
NAGEL, EUGENE L., Visiting Professor (Anesthesiology), 1992
B.S.; M.D., Washington University, 1959
NAGLE, R. KENT, Professor (Mathematics), 1976
B.S., M.A., Ph.D., University of Michigan, 1975
NAGERA, HUMBERTO, Professor-Director (Psychiatry), 1987
B.Sc.; M.D., University of Havana, 1952
NAIDU, KAMAMATHAMA, Assistant Professor (Neurology), 1992
B.S.; M.S.; Ph.D., Sri Venkateswara University, 1982
NAVORI, EMERY B., Assistant Professor (Anesthesiology), 1991
B.S.; M.D., Wayne State University, 1987
NAYLOR, WILLIAM C., Lecturer (Computer Science and Engineering), 1987
B.S.; M.S.; M.S., Ph.D., University of Wisconsin, 1971
NAZIAN, STANLEY J., Jr., Associate Professor (Physiology), 1979
B.S.; Ph.D., Marquette University, 1977
NELSON, CHRISTINE L., Lecturer (Law and Mental Health), 1993
B.A.; M.A.; M.S., Ph.D., University of New York, 1980
NELSEN, HARVEY W., Professor (Interdisciplinary Social Science), 1972
B.A.; M.A., Ph.D., George Washington University, 1972
NELSON, CARNOTE, Professor-Associate Chairperson (Psychology), 1971
B.S.; Ph.D., Columbia University, 1966
NELSON, DOUGLAS L., Professor (Psychology), 1967
B.A.; M.A., Ph.D., University of Wisconsin, 1967
NELSON, LOUIS R., Director (Laboratory Animal Medicine), Associate Professor (Medical Microbiology), 1971
B.S.; M.S.; D.V.M., Auburn University, 1955
NELSON, JR., ROBERT M., Professor (Pediatrics), 1992
B.A.; M.S.M.D., University of Washington, 1970
NELSON, ROBERT P. JR., Program Director (Community Mental Health) Assistant Professor (Pediatrics), St. Petersburg Campus, 1988
B.A.; M.D., Indiana University School of Medicine, 1980
NEMCHONOK, IRENE, Visiting Instructor (Language), 1990
Ph.D., University of Higher Qualification of Teachers, 1960
NESMAN, MARJORIE H., Counselor/Advisor and Instructor (Student Personnel), 1969
B.S., Michigan State University, 1952
NESS, GENE C., Professor (Biochemistry), 1974
B.S.; Ph.D., University of North Dakota, 1971
NESS, THOMAS E., Associate Dean (Business) - Professor (Marketing), 1971
A.B.; B.S.E.; M.S.I.A., Ph.D., Purdue University, 1968
NETTERFIELD, THEODORE A., Associate In (Engineering), 1988
B.S.; M.S., University of South Florida, 1988
NEUGAARD, EDWARD J., Professor (Languages), 1964
B.A.; M.A., Ph.D., University of North Carolina, 1964
NEUMANN, MARK A., Assistant Professor (Communication), 1990
B.A.; M.S., Ph.D., University of Utah, 1990
NEUSNER, JACOB, Graduate Research Professor (Religious Studies), 1990
B.A.; Ph.D., Columbia University, 1960
NEVILLE, TINA M., Assistant Department Head and University Librarian (University Libraries) St. Petersburg Campus, 1981
B.A.; M.A., University of South Florida, 1989
NEWKIRK, PATRICIA M., Instructor (Pediatrics), 1978
B.S., M.S.; M.B.A., University of South Florida, 1990
NEWKOME, GEORGE R., Vice President (Research) - Professor (Chemistry) 1986
B.S., Ph.D., Kent State University, 1966
NEWMAN, JOHN R., Assistant Professor (Humanities) New College, 1990
B.A., Ph.D., University of Wisconsin, 1987
NEWSOME, TRACY H., Assistant Professor (Geography), 1993
B.S., M.A., Ph.D., Ohio State University, 1992
NEWTON, CATHERINE A., Associate In Research (Medicine), 1981
B.S.; M.S., East Carolina University, 1978
NICKELS, BRADLEY J., Associate Professor (Visual Arts), 1970
B.A.; M.A., Ph.D., Indiana University, 1966
NICOLOSI, GREGORY R., Associate Vice President (Health Sciences), Associate Professor (Physiology), 1972
B.S.; M.B.A.; Ph.D., Ohio State University, 1971
NICODES, SANTO V., Professor (Pathology), 1984
M.C.; M.S.; M.D., Catholic University of Sacred Heart School of Medicine and Surgery, Rome, Italy, 1967
NIENHAUS, HARRY A., Associate Professor (Electrical Engineering), 1967
B.S., M.S., University of St. Louis, 1964
NISHMAN, RICHARD J., Visiting Instructor (Anesthesiology), 1991
M.D., State University of New York, 1986
NIXDORF, JAMES C., Counselor/Advisor and Instructor (Business Administration), 1984
B.S.B.A.; B.A., M.A., University of North Florida, 1980
NIXON, ALLYSON L., Visiting Assistant In (Special Education), 1993
B.S.; M.S., University of North Florida, 1990
NIXON, ROBERT L., Associate Professor (Management), 1977
B.S.; M.S.; M.P.A., Ph.D., Cornell University, 1976
NOLAN, MICHAEL F., Associate Professor (Anatomy), 1975
B.S.; Ph.D., Medical College of Wisconsin, 1975
NOONAN, JOHN D., Associate Professor (Classics), 1975
B.A.; M.A., Ph.D., Columbia University, 1973
NORD, HEINZ J., Professor (Internal Medicine), 1973
M.D., University of Frankfurt and Freiburg Medical Schools, 1964
NORD, WALTER R., Professor (Management), 1989
B.A.; M.S., Ph.D., Washington University, 1967
NORMAN, JAMES G., Assistant Professor (Surgery), 1991
B.S.; M.D., Oral Roberts University, 1986
NORTHCUTT, SUSAN S., Associate Professor (International Studies), 1969
B.A.; M.A.; Ph.D., Indiana University, 1970
NORTHCUTT, TRAVIS J., JR., Dean Emeritus-Professor (Human Services), 1972
B.S., M.S.; Ph.D.; M.P.H., University of North Carolina, 1959
NOTARO, GERALD A., Assistant Department Head-University Librarian (University Libraries) St. Petersburg Campus, 1985
B.A.; M.L.S., State University of New York at Buffalo, 1976
NOVAK, GAIL M., Associate University Librarian (University Libraries) Sarasota Campus, 1987
B.A.; M.L.S., University of South Florida, 1980
NOVITZKY, DIMITRI, Associate professor (Surgery), 1990
M.D., LaPlata School of Medicine, 1969
OBERHOFER, SIGNE W., University Librarian (University Libraries) St. Petersburg Campus, 1974
OBERST-EVORTH, RALPH, Assistant Professor (Mathematics), 1989
B.A.; M.A.; Ph.D., Cornell University, 1987
O'BRIEN, WILLIAM F., Professor (Obstetrics and Gynecology), 1983
A.B.; M.D., New York University School of Medicine, 1974
OCHSHORN, JUDITH, Professor (Women's Studies), 1969
B.A.; M.A.; Ph.D., The Union Graduate School, 1978
O'CONNOR, JULIA A., Lecturer (FMHI Law and Mental Health), 1992
B.S., University of Kentucky, 1974

OESTREICH, TERENCE M., Academic Administrator (Chemistry), 1988
B.A., Ph.D., University of Florida, 1973

OGATA, HAIJME, Associate In (Pediatrics) St. Petersburg Campus, 1991
M.D., Kansai Medical University, 1983

OGDEN, JOHN C., Director (Florida Institute of Oceanography), St. Petersburg Campus, 1988
A.B., Ph.D., Stanford University, 1968

O'GRADY, MAUREEN P., Research Assistant Professor (Medicine), 1989
B.A.; M.D., University of California, 1986

OHAEGBULAM, FESTUS U., Associate Professor (Pediatrics), 1992
B.A.; M.S., Ph.D., Medical College of Virginia, 1975

O'HARA, ROBERT, Lecturer (Humanities), 1978
Ph.D., University of Illinois, 1987

OKOGBAA, GARY A., Professor (Chemistry), 1989
B.A.; M.S., Ph.D., Indiana University, 1986

OLAEGBULAM, FESTUS U., Professor (Government and International Affairs), 1972
B.A.; M.A., University of Denver, 1967

OLHARA, ROBERT C., Professor (Languages), 1961
B.A., M.A.; University of Louisville, 1953

OKOGBA, GEOFFREY O., Associate Professor (Engineering), 1989
B.S.I.S.E., M.S.; Ph.D., University of Cincinnati, 1983

OLANOW, CHARLES W., Professor (Neurology), 1986
M.D., University of Toronto, 1965

OLINE, LARRY W., Professor (Civil Engineering and Mechanics), 1967
B.A.; B.S.; M.S., Georgia Institute of Technology, 1968, P.E.

OLIVER, JANELLE, Research Associate (Anatomy), 1990
B.S., Indiana University, 1975

OLLING, CHARLEEN B., Acting Academic Administrator (Educational Measurement-Research), Ft. Myers Campus, 1989
B.A.; M.A., University of South Florida, 1985

OLSEN, EUGENE D., Professor (Chemistry), 1954
B.A.; M.D., University of Wisconsin, 1960

OLSON, GARY A., Professor (English), 1985
B.A.; M.A., Indiana University of Pennsylvania, 1980

OLSON, LAURA J., Visiting Instructor (Humanities) New College, 1993
B.A.; M.A., Indiana University, 1986

OLSSON, RAY A., Professor (Internal Medicine), 1976
M.D., George Washington University School of Medicine, 1956

OMALLEY, REBECCA M., Associate Professor
B.S.C., Ph.D., University of Sheffield, England, 1970

ONEILL, CHERI J., Professor (Accounting), 1991

ONEILL, MICHAEL S., Capt., Assistant Professor (Military Science), 1990
B.A., Eastern New Mexico University, 1978

ORLINSKY, DONALD E., Professor-Chairperson (Educational Leadership), 1969
A.B.; M.S., Ed.D., Indiana University, 1959

ORMEROD, LESLIE DAVID, Associate Professor (Ophthalmology), 1993
B.S.; M.S., Birmingham University, England, 1978

ORPACIGA, JUNE E., Professor (Theatre), 1993
B.A., M.S., University of South Florida, 1982

osta, YUKO, Research Assistant In (Pediatrics), 1991
B.S., M.S., Ph.D., Nagoya City University, 1988

OTT, RUTH A., Coordinator (Academic Advising), Sarasota Campus, 1975
B.A., M.A., University of South Florida, 1982

OTTANELLI, M. FRASER, Visiting Assistant Professor (History), 1987
Ph.D., Syracuse University, 1987

OTTO, RANDY, Assistant Professor (FMHI), 1989
B.A.; M.S., Ph.D., Florida State University, 1987

OWEN, CHARLES R., JR., Professor (Music), 1981
B.M., M.A., California State University, 1979

OWEN, PETER T., Assistant Professor (Military Science), 1991
B.S., University of Houston, 1980

OWEN, WILLIAM D., Professor (Music Arts), 1964
B.M.; M.M., North Texas State University, 1960

PALMIERI, NICHOLAS V., Lecturer (Crime and Delinquency), 1988
B.A.; M.Ed., Pennsylvania State University, 1976

PAMMER, WILLIAM J., JR., Associate Professor-Coordinator (Government and International Affairs), 1978
A.A.; B.A.; M.A.; Ph.D., University of Oklahoma, 1986

PANACEK-HOWELL, LUANNE J., Instructor-Assistant Chairperson (Child and Family Studies), 1981
B.A., M.A., University of South Florida, 1985

PANKERT, EDWARD E., Professor-Coordinator (Counselor Education), 1969
B.S., Ed.D., State University of New York at Buffalo, 1969

PAPACONSTANTINOU, CONSTANTINUS, Research Assistant Professor (Pediatrics), 1994
B.S.; M.S.; Ph.D., University of Florida, 1991

PAPPAS, JAMES L., Dean (Business Administration) - Professor (Finance), 1986
B.S.; M.S., Ph.D., University of California, Los Angeles, 1968

PARADISE, LOIS J., Associate Professor (Medical Microbiology), 1973
A.B.; M.S., Ph.D., University of Michigan, 1960

PARTRIDGE, EDWARD W., Professor (Communication), 1969
B.A.; M.A., University of California, Los Angeles, 1968

PARK, SANDRA P., Visiting Assistant In (Child Development Center), 1993
B.A.; M.A., University of Connecticut, 1983

PARKER, KEITH A., Associate Professor (History), 1966
B.A.; M.A., Ph.D., University of Maryland, 1975

PARKS, JOHN, Assistant Professor (Dance), 1989
B.A.; M.A., University of Oklahoma, 1988

PARRINO, DONNA P., Academic Administrator (Central Development Office), 1981
B.A.; M.A., Florida State University, 1967

PARRIS, JOHN M., Assistant Professor (Music), 1992
B.A., M.A., Florida State University, 1988

PARRITT, MARY E., Associate Professor (Mathematics), 1979
B.S., M.S.; Ph.D., Memphis State University, 1979

PARRITT, WILLIAM H., Associate Professor (Accounting), 1976
B.A., M.Acc., Ph.D., University of Illinois, 1971

PARSON, OLIVER J., Counselor/Advisor and Instructor (Graduate Studies), 1988
B.A.; M.A., New Mexico Highlands University, 1972

PARSONS, ANNA K., Assistant Professor (Obstetrics and Gynecology), 1989
B.S.; M.D., University of Michigan, 1981

PARSONS, MICHAEL T., Associate Professor (Obstetrics and Gynecology), 1989
B.S.; M.D., Wayne State Medical School, 1977

PATERNEK, MARGARET, Visiting Program Director (History), 1993
B.A.; M.A.; Ph.D., University of Toronto, 1989

PAUL, JAMES L., Chairperson-Professor (Exceptional Child Education), 1988
A.B.; M.A.; M.A.; Ed.D., Syracuse University, 1967
POWERS, DANIEL S., Assistant Professor (Architecture), 1988
B.Arch., M.Arch., University of Florida, 1974
POWERS, PAULINE S., Professor (Psychiatry), 1975
A.B.; M.D., University of Iowa, 1971
POYTHRESS, NORMAN G., Professor (Law & Mental Health), 1990
B.A.; Ph.D., University of Texas at Austin, 1977
PRANGE, MARK, Assistant Professor (FMHH), 1988
B.A.; M.A., Ph.D., University of South Florida, 1987
PRESCOTT, MARY B., Assistant Professor (Information Systems and Decision Sciences), 1988
B.A., M.S., M.B.A., Ph.D., Indiana University, 1989
PRESTON, K.G., Director (Technology Transfer), 1990
B.S.; J.D., George Washington University, 1962
PRETO-RODAS, RICHARD A., Professor (Languages), 1981
B.A.; M.A.; M.D., University of Michigan, 1966
PRICE, JOEL M., Professor (Physiology), 1976
B.F.A.; M.S.E.; Ph.D., University of California, San Diego, 1976
PRICE, LORINDA J., Assistant Professor (Pedicatrics), 1979
B.S.; M.D., State University of New York, Upstate Medical Center, 1976
PRICE, THERESA A., Lecturer (School of Accountancy), 1992
B.S.; M.S., University of Florida, 1992
PRICE, WILLIAM T., Coordinator-Instructor (Professional Physical Education), 1983
B.A., M.A., University of South Florida, 1972
PRICE, RICHARD F., Associate Professor (Educational Leadership), 1979
Program Director (Upward Bound), 1969
B.A., M.A., Ed.S., Columbia University, 1956
PRINCE, FRED L., Associate Professor (Content Specializations), 1971
B.S., M.S., Ed.D., University of Houston, 1971
PROBES, CHRISTINE M., Associate Professor (Languages), 1983
B.A.; Ph.D., Tulane University, 1966
PROCKOP, LEO N., Professor-Chairperson (Neurology), 1973
B.A.; M.D., University of Pennsylvania, 1959
PROSS, SUSAN, Assistant Professor (Medical Microbiology), 1985
B.S.; Ph.D., University of Pennsylvania, 1975
PUGLIISI, DICK J., Assistant Dean-Professor (Content Specialization), 1969
B.A.; M.A.; Ph.D., Georgia State University, 1973
PURRELL, TREVOR W., Assistant Professor (Social Science), 1992
B.A.; Ph.D., Johns Hopkins University, 1982
PURDOM, DANIEL M., Professor (Educational Leadership), 1968
B.A.; M.A.; Ed.D., University of California, Los Angeles, 1967
QI, JIANPENG, Assistant Professor (Business Administration), 1993
B.S.; M.B.A.; M.S., B.A., Ph.D., Washington University, 1993
QIAN, WEI, Assistant Professor (Radiology), 1991
B.S.; M.S.; Ph.D., Sichuan University, 1990
QUIILLAM, WILLIAM C., Assistant Professor (Accounting), 1991
B.S.; B.A., M.S.; Ph.D., University of Florida, 1992
QUINN, GREGORY B., Research Associate (Biochemistry), 1992
B.S.; Ph.D., University of Southampton, 1992
QUINN, SUSAN, University Librarian (Medicine), 1989
B.A., M.L.S., SUNY at Buffalo, 1977
QUINN, TERENCE M., Assistant Professor (Geology), 1991
B.S.; M.S.; Ph.D., Brown University, 1989
RACE, STEPHANIE F., Instructor-Librarian (University Libraries), 1991
RACINE, JEFFREY S., Associate Professor (Economics), 1993
M.A.; Ph.D., University of Western Ontario, 1989
RAHM, DIANNE, Associate Professor (Political Science), 1990
B.A.; M.A.; M.S.; Ph.D., Syracuse University, 1989
RAHMAN, MUHAMMAD M., Assistant Professor (Mechanical Engineering), 1993
B.Sc.; M.Sc.; Ph.D., University of California, 1988
RAINES, SHIRLEY C., Chairperson-Professor (Childhood Education), 1992
B.S.; M.S., Ed.D., University of Tennessee, 1979
RAI, BALAIBAIL A., Associate Professor (Psychiatry), 1979
M.B.B.S., Madras Medical College, India, 1972
RALSTON, YVONNE L., Academic Administrator (Lakeland Center), 1982
B.A., M.A.; Ed.D., University of Mississippi, 1974
RAMACHANDRAN, KANDETHODYM M., Associate Professor (Mathematics), 1987
B.Sc.; M.Sc.; Ph.D., Brown University, 1987
RANDALL, JEFFREY C., Assistant Professor (Aerospace Studies-Air Force ROTC), 1994
B.S.; M.A., Troy State University, 1989
RANDELS, GEORGE D., Visiting Instructor (Religion) New College, 1993
B.A.; M.A., Yale University, 1987
RANIELLS, JUDITH D., Visiting Assistant Professor (Pediatrics), 1989
B.A., M.D., Howard University, 1979
RANGANATHAN, N., Associate Professor (Center for Micro Electronics), 1988
B.E.; Ph.D., University of Central Florida, 1988
RANSOHFF, JOSEPH, Visiting Professor (Surgery), 1992
B.S.; M.D., University of Chicago, 1941
RAO, A.N.V., Professor (Mathematics), 1972
B.S.; M.S.; M.S., Ph.D.; Ph.D., Virginia Polytechnic Institute and State University, 1972
RAO, PAPINENI S. Professor (Obstetrics and Gynecology), 1979
B.V.Sc.; M.S., Ph.D., University of Missouri, 1965
RAO, UNDARU R., Research Assistant Professor (Public Health), 1988
B.S.; M.S.; D.H.E.; Ph.D., Bombay University, 1988
RAPAPORT, DAVID P., Assistant Professor (Surgery), 1993
M.D., Tel Aviv University, 1985
RASANEN, JUKKA O., Associate Professor (Anesthesiology), 1991
B.M.D., University of Helsinki School of Medicine, 1978
RASCH, JOHN D., Professor (Rehabilitation Counseling), 1978
B.A., M.R.C.; M.S.S.W., Ph.D., University of Wisconsin, 1977
RATCLIFF, NANCY, Visiting Assistant Professor (Childhood Education), 1991
B.S., M.S.; Ph.D., University of Indiana, 1991
RATLINSKY, ALEXANDER, Professor-Director (Architecture), 1987
B.A.; M.A., Arch., Princeton University, 1972
RATTI, JOGINDAR S., Professor (Mathematics), 1967
B.S., M.S.; Ph.D., Wayne State University, 1969
RAUSCHER, RICHARD L., Assistant In (Engineering Computer Services), 1993
B.A., Rutgers University, 1991
RAWNSLEY, MARILYN M., Assistant Dean-Professor (Nursing), 1993
B.S.; M.S.; D.N.Sc., Boston University, 1977
READER, WILLIE D., Professor (English), 1963
A.B.; M.A., Ph.D., University of Florida, 1962
READING, ANTHONY J., Professor-Chairperson (Psychiatry), 1975
M.D.; M.P.H., Sc.D., Johns Hopkins University, 1964
REARICK, MARTHA N., Professor (Music), 1963
B.M., M.M., University of Michigan, 1961
REDDING, BARBARA A., Associate Professor (Nursing), 1975
B.S.; M.S.N.; Ed.D., University of Florida, 1992
REED, JAMES H., Associate Professor (Mathematics), 1963
B.A.; M.A., Ph.D., University of Maryland, 1969
REED, JANE G., Program Director (Undergraduate Studies), 1969
B.A.; M.A., University of Maryland, 1962
REED, MARY D., Research Assistant Professor (Child & Family Studies), 1990
B.A.; M.S., University of South Florida, 1983
REEDY, JOEL E. Lecturer (Marketing), 1991
B.S.; M.B.A., University of South Florida, 1990
REGIS, HUMPHREY A., Associate Professor (Mass Communications), 1989
B.A.; M.A., Ph.D., Howard University, 1983
REID WILLIAM M., Assistant Professor (Health Policy and Government), 1993
B.A.; M.A.; M.B.A. Ph.D., University of Missouri, 1969
REILLY, JOHT., Associate Professor (Criminology), 1985, St. Petersburg Campus
B.A., M.A., J.D., Stetson University, 1958
REINERSMAN, PHILIP N., Associate in Research (Natural Sciences), 1989
B.S.; M.A., Ph.D., University of South Florida, 1988
REINTREN, DOUGLAS S., Associate Professor (Surgery), 1987
B.A., M.D., Duke University Medical School, 1979
RUCKDESHEL, JOHN C., Professor (Internal Medicine), 1991
B.Sc., M.D., Albany Medical College, 1971
RUDGE, DANIEL, Assistant In Research (Center for Urban Transportation and Research), 1991
B.A., M.V.R.P., Virginia Commonwealth University, 1988
RUGS, DEBORAH J., Research Assistant Professor (Epidemiology & Policy Analysis), 1990
B.A.; M.A., Ph.D., Northern Illinois University, 1989
RUNGE-GORDON, LAURA L., Assistant Professor (English), 1993
B.A.; M.A., Ph.D., Emory University, 1993
RUNDUS, DEWEY J., Associate Professor (Computer Science and Engineering), 1972
B.S.; Ph.D., Stanford University, 1970
RUPPENIER, GEORGE, Associate Professor (Natural Sciences), New College, 1982
B.S.; Ph.D., Duke University, 1980
RUTENBERG, DANIEL, Professor (Humanities), 1964
A.B.; M.A.; Ph.D., University of Florida, 1967
RYAN, JEFFREY G., Assistant Professor (Geology), 1991
B.S., Ph.D., Columbia University, 1989
RYAN, LYNN T., Assistant Professor (Community Health) , Sarasota Campus, 1993
B.S.; M.A., Virginia Polytechnic Institute, 1988
SABA, HUSSAIN I., Professor (Internal Medicine), 1975
M.D.; Ph.D., University of North Carolina School of Medicine, 1970
SABA, SABIHA, Associate Professor (Pathology), 1979
M.D., Darbhanga Medical College, India, 1963
SACCO, WILLIAM P., Professor (Psychology), 1979
B.A.; M.S., Ph.D., Florida State University, 1979
SACKETT, WILLIAM M., Graduate Research Professor (Marine Science), 1979
A.B., Ph.D., Washington University, 1958
SACKSTEIN, ROBERT, Assistant Professor (Internal Medicine), 1993
B.A.; M.D., Harvard University, 1985
SAFF, DONALD J., Distinguished Service Professor (Graphistudio), 1965
B.A.; M.A.; M.F.A.; Ed.D., Columbia University, 1964
SAFF, EDWARD B., Graduate Research Professor (Mathematics), 1969
B.S.; Ph.D., University of Maryland, 1968
SAGUES, ALBERTO A., Professor (Civil Engineering and Mechanics), 1985
Ph.D., Case Institute of Technology, 1972, P.E.
SALTER, SYLVIA, Coordinator (Undergraduate Studies), 1984
B.S.; M.Ed., North Carolina State University, 1982
SALUDES, DESI, Visiting Assistant in Research (Communication Sciences and Disorders), 1992
B.S.; M.S., University of South Florida, 1990
SANADI, CLYDE, Coordinator (Business Administration), 1993
B.A.; M.B.A., Boston University, 1978
SANBERG, PAUL R., Professor (Surgery), 1992
B.S.; M.S., Ph.D., Australian National University, 1981
SANCHEZ, MELBA, Coordinator (Academic Affairs) Sarasota Campus, 1993
B.A., University of Puerto Rico, 1979
SANDERS, LISA J., Assistant Professor (Internal Medicine), 1993
B.A.; M.D., University of Florida, 1986
SANDERS, RALPH W., Assistant Professor (Finance), 1991
A.B., M.S., Ph.D., State University of New York, 1988
SANDIN, RALMON L., Assistant Professor (Pathology), 1991
B.S.; M.S., M.D., University of Michigan, 1985
SANDLER, JACK, Professor (Psychology), 1969
B.A.; M.S.; Ph.D., Florida State University, 1969
SANFORD, BARBARA HYLAND, Assistant Professor (Internal Medicine), 1991
B.S,N., M.N.Ed., M.D., Universidad del Noreste, 1982
SANFORD, EDGAR J., Assistant Professor (Medicine), 1988
B.A.; M.D., Duke University, 1965
SANKAR, RAVI, Associate Professor (Electrical Engineering), 1985
B.E.; M.Eng.; Ph.D., Pennsylvania State University, 1985
SANOCKI, THOMAS A., Associate Professor (Psychology), 1986
B.S.; Ph.D., University of Wisconsin, Madison, 1986
SAPORTA, SAMUEL, Associate Professor (Anatomy), 1977
B.A.; Ph.D., University of Southern California, 1973
SARKAR, SUDEEP, Assistant Professor (Computer Science and Engineering), 1993
B.T.; M.S., Ph.D., Ohio State University, 1993
SAS-MASON, JUDITH E., Counselor/Advisor (Academic Advising), St. Petersburg Campus, 1988
B.A.; M.F.A., University of South Florida, 1982
SATTERFIELD, RONALD K., Instructor (Business Administration), 1993
B.S., M.B.A., Eastern Illinois University, 1981
SAUNDERS, MARY J., Program Director-Associate Professor (Biology), 1986
B.A.; M.S., Ph.D., University of Massachusetts, 1982
SAUNDERS, TERESA I., Visiting Assistant In (Community Mental Health), 1993
B.A.; M.S., University of Central Florida, 1993
SAVIELLO, GEORGE M., Visiting Associate Professor (Anesthesiology), 1988
B.S., M.D., Northwestern University, 1967
SAXON, SUE V., Professor (Gerontology), 1963
B.S., M.S., Ph.D., Florida State University, 1963
SCAGLIONE, JANET, Assistant Professor (Adult & Vocational Education), 1987
B.A., University of South Florida, 1981
SCALE-MCIVER, LYNDA L., Visiting Assistant Professor (Community Mental Health), 1994
B.S.; M.A., Ph.D., University of South Florida, 1991
SCCHELAN, HARRY J., Jr., Associate Professor (Geography), St. Petersburg Campus, 1969
B.A.; M.A., University of Cincinnati, 1963
SCHAPIRA, DAVID V., Professor (Cancer Education), 1987
M.B. Ch. B., Dundee University, Scotland, 1974
SCHARF, JOHN E., Assistant Professor (Anesthesiology), 1990
B.S.; M.D., Medical College of Virginia, 1986
SCHATZ, DAVID R., Associate Professor (Humanities), New College, 1975
B.A.; M.A.; Ph.D., University of Michigan, 1982
SCHENCK, DAVID P., Dean (Sarasota Campus) - Professor (Lan­guage), 1974
B.A.; M.A.; Ph.D., Pennsylvania State University, 1971
SCHUEERLE, JANE W., Professor (Communication Sciences and Disorders), 1971
B.S.; B.A.; M.S.; M.A.; Ed.D., Nova University, 1975
SCHUEERLE, WILLIAM H., Dean (Instructional Quality), Professor (English), 1964
B.A.; M.A.; Ph.D., Syracuse University, 1964
SCHULT, WARREN K., Professor (Management), 1985
B.A.; M.B.A., Ph.D., University of Maryland, 1982
SCHMIDT, PAUL J., Professor (Pathology), 1981
B.S.; M.S.; M.D., New York University, 1953
SCHNAPF, BRUCE M., Assistant Professor (Pediatrics), 1990
B.S., D.O., Philadelphia College of Osteopathic Medicine, 1977
SCHNEIDER, RAYMOND J., Professor (Communication), 1968
A.B.; Ph.L.; M.A.; S.T.L.; Ph.D., University of Michigan, 1965
SCH NEIDER-WRIGHTS, S.L., Assistant Professor (Psychology), 1988
B.S., M.S.; Ph.D., University of Wisconsin, 1989
SCHNE RE, STEWART W., Professor-Chairperson (Chemistry), 1971
B.S., M.S.; Ph.D., Indiana University, 1968
SCHICK, DOUGLAS D., Professor (Internal Medicine), 1981
B.A., M.D., Duke University, 1974
SCHONFELD, LAWRENCE I., Associate Professor (Aging and Mental Health), 1980
B.A.; M.A.; Ph.D., University of South Florida, 1981
SCHONWETTER, RONALD S., Assistant Professor (Medicine), 1989
B.S.; M.D., University of South Florida, 1984
SCHWABMAN, JOHN D., Assistant In (Obstetrics and Gynecology), 1987
B.A., Marquette University, 1977
SCHROER, KENNETH R., Associate Professor (Pathology), 1988
M.D., Washington University, St. Louis, 1973
SPELACY, WILLIAM N., Professor - Chairperson (Obstetrics and Gynecology), 1988
B.S., M.D., University of Minnesota, 1959

SPENCE, JAMES G., Associate Professor (Economics), Ft. Myers
Campus, 1975
B.S., M.A., Ph.D., University of Oklahoma, 1979

SPIELBERGER, CHARLES D., Graduate Research Professor (Psychology), 1972
B.S., B.A., M.A., Ph.D., University of Iowa, 1954

SPIERS, ALEXANDER S. D., Professor (Cancer Education), 1987
M.D., University of Melbourne, 1960

SPILLMAN, CAROLYN V., Associate Professor (Childhood and Language Arts), Ft. Myers Campus, 1977
A.B.; M.Ed., Ph.D., University of North Carolina, Greensboro, 1972

SPLAWN, LINDA A., Instructor/Librarian (Health Science Library), 1993
B.S., M.S., M.A., University of South Florida, 1993

SRENGER, MICHAEL T., Assistant In (Business Administration), 1993
B.S., University of South Florida, 1991

SPRING, DAVID W., Visiting Assistant Professor (Psychological and Social Foundations), 1992
B.A.; M.A., Troy State University, 1972

SPROLES, H. ALLAN, Associate Professor (Exceptional Child Education), 1971
B.S.; M.Ed., Ed.D., University of Georgia, 1973

SPURGIN, DALE L., Lecturer (Physics), 1972
B.S., M.A., University of South Florida, 1972

STAFFORD, JOHN W., Associate Professor (Geography), 1969
B.S., M.S.; M.A.; Ph.D., Michigan State University, 1971

STAMPS, MIRIAM B., Associate Professor (Marketing), 1982
B.A.; M.B.A.; Ph.D., Syracuse University, 1982

STAMPS, SPURGEON M. D., Associate Dean-Professor (Interdisciplinary Social Sciences), 1982
B.S., M.A.; Ph.D., University of South Florida State University, 1974

STANFORD, ROSE MARY, Associate Professor (Criminology), Ft. Myers Campus, 1985
B.A., M.A.; Ph.D., Florida State University, 1984

STANKO, JOSEPH A., Associate Professor (Chemistry), 1973
B.S.; Ph.D., University of Illinois, 1966

STARK, WILLIAM R., Associate Professor (Mathematics), 1978
B.S., M.S.; Ph.D., University of Wisconsin, 1975

STAUFFER, MARI K., Associate Professor (Libray and Information Sciences), 1993
B.S.; M.L.; Ed.D., University of Georgia, 1983

STAVIG, WARD A., Assistant Professor (History), 1993
B.A., M.A., Ph.D., University of California, 1991

STEELE, CHRISTOPHER L., Associate Professor (Theatre), 1979
B.A.; M.F.A., Southern Methodist University, 1979

STEFANAKOS, ELIAS K. Professor - Chairperson (Electrical Engineering), 1985
B.S., M.S.; Ph.D., Washington State University, 1969

STEINBERG, JOAN S., Assistant Professor (Health Policy and Government), 1993
B.S.; Ph.D., Tulane University, 1977

STEINER, H. EDWIN, JR., Associate Dean (Education) - Professor (College Administration), 1969
B.S.; M.A.; Ph.D., University of Texas, 1970

STELZMAN, RAINULLA, A., Professor (Languages), 1963,
DIPL. I; DIPL. II, Dr. Phil., University of Freiburg, 1953

STENMARK, DAVID E., Professor (Psychology), 1977
B.S.; M.S., University of Alabama, 1969

STEPHENS, BILL W. L., Professor (Accounting), 1971
B.S.; M.Acc., D.B.A., Florida State University, 1971 C.P.A.

STEPHENS, CHARLES D., Graduate Research Professor (Psychology), 1972
B.S., B.A., M.A., Ph.D., University of Iowa, 1954

STEPHENS, GERALD B., Lecturer (Fine Arts Events), 1981
B.A., M.A., Governors State University, 1972

STEPHENS, JUDITH K., Visiting Assistant Professor (Obstetrics and Gynecology), 1990
M.D., Semmelweis University of Medicine, 1982

STEPHENS, RUTH A., Professor (Natural Sciences), New College, 1975
B.S.; Ph.D., University of Texas, 1953
SUMMER, ROBERT J., III, Professor (Music), 1973
B.S.; M.M.; D.Mus., Indiana University, 1978
SUN, XIU ZHU, Research Associate (Pathology), 1991
M.D., Shanghai Medical University, 1970
SUNDARAM, SWAMINATHA, Professor-Chairperson (Physics), 1982
B.Sc.; M.S.; Ph.D., Annamalai University, India, 1960
SUNOL, AYDIN K., Professor (Chemical Engineering), 1982
B.S.; M.E., Ph.D., Virginia Polytechnic Institute and State University, 1982
SUSIK, NA THA, Professor-Chairperson (Physics), 1982
M.A., M.S., Ph.D., University of Georgia, 1982
SZEPE, JOSEPH, Professor (Physics), 1990
B.A.; M.S.; M.E.A., Pennsylvania State University, 1973
SZABUNIO, MARGARET M., Assistant Professor (Radiology), 1990
B.A.; M.D., Hahnemann University Medical School, 1984
SZAKACS, ANNA E., Visiting Research Associate (Graduate Architecture), 1993
B.A.; M.A., University of Florida, 1992
THARRINGTON, TOM, Assistant University Librarian (University Library), 1985
B.A.; M.A., University of South Florida, 1984
THERIAULT, MARGARET S., Counselor/Advisor and Instructor (Academic Services), 1989
M.A., University of South Florida, 1989
TENPAS, KATHRYN D., Assistant Professor (Government and International Affairs), 1993
B.A.; M.A., Ph.D., University of Virginia, 1993
TERRITORE, CHRISTOPHER, Professor (Criminology), 1992
B.A., M.A., Ed.D., Nova University, 1975
TERRY, ANNA M., Visiting Instructor (Psychiatry and Behavioral Medicine), 1986
B.A., M.A., University of South Florida, 1972
TESTRAKE, DIANE T., Professor (Biology), 1967
B.S.; M.A., Ph.D., Duke University, 1963
THOMPSON, DENISSE R., Assistant Professor (Secondary Education), 1990
B.S., M.A.; Ph.D., University of California, 1992
THOMPSON, JOHN J., Assistant Professor (Modern Languages and Linguistics), 1993
B.A.; M.A., M.Phil. Ph.D., Yale University, 1993
THOMPSON, ROBERT B., Counselor/Advisor (Business), St. Petersburg Campus, 1991
B.A.; M.B.A., University of South Florida, 1980
THOMPSON, ROBERT D., Associate In Research (Internal Medicine), 1987
B.S.; Ph.D., Brigham Young University, 1981
TOWERY, HENRY H., Visiting Instructor (Business Administration) Lakeland Campus, 1991
B.S.; M.B.A., Ph.D., Florida State University, 1969
TOWINSEND, BRENDA L, Assistant Professor (Special Education), 1991
B.S.; M.S.; Ph.D., University of Kansas, 1991
WITKIND, MARK J., Instructor (Communication Sciences & Disorders), 1990
B.A.; M.S., M.Ed., Columbia University, 1986
WOLBERS, PAUL A., Visiting Assistant Professor (Humanities) New College, 1992
M.M.; Ph.D., University of Illinois, 1992
WOLFE, ALVIN W., Distinguished Service Professor (Anthropology), 1974
B.A.; Ph.D., Northwestern University, 1957
WOLFF, GWENDOLYN M., University Librarian (Health Sciences Library), 1990
B.S., M.L.S., Emporia State University, 1979
WOLFSON, JAY, Chairperson-Associate Professor (Public Health), 1984
B.A.; M.A.; M.P.H.; D.P.H., University of Texas, School of Public Health, 1981
WOOD, WILLIAM G., Professor (Psychiatry), 1991
B.S.; Ph.D., University of North Carolina, 1968
WOODBRIDGE, DAVID D., Assistant Professor (Public Health), 1989
B.S.; M.S., Ph.D., Oregon State University, 1956
WOODBURY, ARTHUR N., Professor (Music), 1972
B.S.; M.M., University of Idaho, 1955
*WOODEN, GLEN E., Graduate Research Professor (Biology), 1990
B.S.; M.A.; Ph.D., University of Florida, 1960
WOLLELY, CRAIG F., Assistant in Education (Academic Computing), 1992
B.S., University of South Florida, 1992
WOOTEN, BUFFY T., Visiting Instructor (FMHI), 1993
B.A.; M.A., University of South Florida, 1992
WOOTEN, CINDY J., Assistant in (CUTR Engineering), 1976
B.S., University of South Florida, 1990
WORRELL, JAY H., Professor (Chemistry), 1967
B.S.; M.S.; Ph.D., Ohio State University, 1966
WRIGHT, D. R. EDWARD, Associate Professor (Visual Arts), 1980
B.A.; M.F.A., Ph.D., Princeton University, 1976
WRIGHT, TENNYSON J., Associate Provost (Academic Affairs) - Associate Professor (Rehabilitation Counseling), 1985
B.S.; M.Ed., Ph.D., University of Georgia, 1976
WRIGHT, TERRY E., Visiting Instructor (Surgery), 1992
M.D., University of Texas, 1987
WUICIK, TERENCE F., Associate Professor (Visual Arts), 1970
Certificate, Art School, Society of Arts and Crafts, Detroit, 1962
WUNDERLIN, RICHARD F., Program Director and Associate Professor (Biology), Director (Journalism), 1970
B.S.; M.S.; Ph.D., St. Louis University, 1973
WYBLE, LANCE E., Assistant Professor (Pediatrics), 1992
B.S.; M.D., University of Mississippi, 1982
WYLY, R. DONALD, JR., Associate Professor (English), 1965
B.A.; M.A.; Ph.D., Ohio State University, 1964
WYNNE, MARIORIE J., Associate Professor (Academic Programs) Lakeland Campus, 1991
B.S., M.A., Ph.D., University of South Florida, 1986
YAMADA, KOVII, Associate in Research (Internal Medicine), 1992
M.D.; Ph.D., Gifu University, 1991
YAMAMOTO, YOSHINASA, Research Assistant Professor (Medicine), 1988
B.S.; Ph.D., University of Tokyo, 1980
YANG, DE-YOU, Visiting Lecturer (Languages), 1993
B.A., Shanxi University, China, 1967
YAVNEH, NAOMI, Assistant Professor (Humanities and American Studies), 1993
B.A.; M.A., Ph.D., University of California, 1991
YEATMAN, TIMOTHY J., Assistant Professor (Surgery), 1992
B.S.; M.D., Emory University, 1984
YEGIDIS, BONNIE L., Program Director-Professor (Social Work), 1997
B.A.; M.S.W.; Ph.D., University of South Florida, 1983
YEO, TIMOTHY R., Assistant Professor (Obstetrics/Gynecology), 1989
B.S.; M.D., University of Wisconsin, 1982
YELTON, SUSAN W., Visiting Assistant Professor-Program Director, (Epidemiology and Policy Analysis), 1987
B.A.; M.S.W., Florida State University, 1972

YERKES, RUSSELL E., Visiting Professor (Accounting), 1993
B.S., B.D.; M.S.; Ph.D., State University of New York, 1975

YING, SHUH-JING, Professor (Mechanical Engineering), 1978
B.S.; M.S.; Ph.D., Harvard University, 1965, P.E.

YODER, JOSEPH W., Visiting Associate in (Center for Microelectronics), 1990
B.S.; M.S., University of Michigan, 1982

YOUNG, FRANK L., Academic Administrator (Lakeland Center), 1987
B.S.; M.S.; Ph.D., University of Texas, Austin, 1965

YOUNG, JANE E., Visiting Research Associate (Medical Microbiology), 1990
B.A.; M.P.H., University of South Florida, 1989

YOUNG, JANE F., Assistant Dean - Associate Professor (Professional Physical Education), 1970
B.Sc.Ed., M.A.; Ph.D., Florida State University, 1986

YU, ZHI JIAN, Research Instructor (Pharmacology & Therapeutics), 1991
M.D.; Ph.D., University of Mississippi, 1991

ZACHARIAH, BABU, Assistant Professor (Radiology), 1988
M.B.B.S., Kottayam Medical College, India, 1976

ZAK, JOHN P., Assistant Professor (Public Sector Medicine and Cancer Education), 1985
B.S.; M.D., Universidad Nordestana, San Francisco De Macoris, 1981

ZARMAKOUPIS, PANAYOTA N., Visiting Instructor (Obstetrics), 1993
M.D., University of Athens, Greece, 1987

ZAYED, ABLA, Associate Professor (Civil Engineering and Mechanics), 1986
B.S.; M.S.; Ph.D., North Carolina State University, 1986

ZBAR, FLORA J., Assistant Professor (English), 1965
B.A.; M.A., Florida State University, 1962

ZERLA, FREDRIC J., Associate Professor (Mathematics), 1963
B.A.; M.S., Ph.D., Florida State University, 1967

ZHAO, LI-MING, Research Assistant in (Internal Medicine), 1992
B.S., M.D., China Medical University, 1991

ZHOU, QUANSHENG, Research Assistant in (Biochemistry), 1993
M.S., M.D., Suzhou Medical College, China, 1991

ZHOU, ZILIANG, Research Assistant Professor (Medical Microbiology), 1990
B.M.; M.S., Hunan Medical University, 1989

ZHU, WEIGANG, Research Associate (Medical Microbiology), 1990
B.S., M.D., China Medical University, 1991

ZUSMAN, JACK, Professor (Florida Mental Health Institute), 1982
A.B.; M.A.; M.D.; M.P.H., Columbia University School of Public Health and Administrative Medicine, 1966

ZYLSTRA, SAPE A., Professor (Humanities & American Studies), 1969
B.A.; B.D., Emory University, 1969
Academic advising, 21, 29
calendar, 4
dishonesty, 35
dismissal, 33
grievance procedure, 35
load, 29
major, 41
minor, 42
policies and procedures, 29
progress, 34
regulations committee, 35
residence, 17, 41
scholarships, 19
standing, 33
Academic regulations committee, 35
Academic Support and Achievement 21
Accelerated opportunities, 14
Accounting, 86, 176
Adding courses, 30
Administration, university, 211
Admission application, 10
changing requested term of entry, 10
dual-enrollment students, 15
everal applicants, 12
first time in college (freshmen), 11
graduate students (see graduate catalog)
international students, 13
non-degree seeking (special) students, 14
policies and requirements for, 10
readmission, 15
transfer students, 12
when to apply, 10
Admission to:
College of Arts and Sciences, 55
College of Business Administration, 85
College of Education, 90
College of Engineering, 99
College of Fine Arts, 112
College of Medicine (see graduate catalog)
College of Nursing, 122
College of Public Health, 126
(see graduate catalog)
Evening classes, 14
Graduate school (see graduate catalog)
Junior college teaching (see graduate catalog)
New College of USF, 121
the university, 7
Admissions, Office of, 10
Adult education, 92, 182
Advanced placement, 46
Advertising, 76
Advising, academic, 21, 29
Africana studies, 60, 137
Aging studies (see Gerontology)
Air Force (ROTC), 52, 132
Aerospace studies, 132
American studies, 74, 137
Anthropology, 60, 138
Application for:
admission, 10
associate in arts certificate, 44
graduation, 44
graduate study/degree
(see graduate catalog)
Arabic, 161
Army ROTC, 52, 133
Art, 114, 199
Art education, 93, 182
Art Museum, 114
Arts and Sciences, College of, 55
Articulation agreement, 15
Associate in arts, certification, 44
Astronomy courses, 140
Athletics, intercollegiate, 27
Attendance at first class, 29
Audiovisual services, 53
Audiology (see Communication Sciences & Disorders), 67
Audit of courses, 29
Automobiles, 19
Aural (Re)Habilitation (see Communication Sciences & Disorders), 67
Availability of courses and programs, 29
Bachelor's degrees, 41
Bachelor of Independent Studies program, 46, 61, 140
fees, 18
Basic & interdisciplinary engineering, 191
Botany (see Biology courses), 141
Broadcasting, 76
Broadcasting services, 49
Business Administration, College of, 85
Business and office education, 92, 182

CHOICES, 27
CLAST, 30
CLEP, 46
Calendar, academic, 4
Campuses, 7
Campus recreation, 26
career guidance and information service
(see Career Resource Center), 27
career planning and advising, 27
career Resource Center, 27
cashier's hours, 17
catalog, student's choice of, 43
center for Academic Advising, 21
certificate in Russian studies, 57
certificate of concentration (arts and sciences), 57
certificate of Latin American studies, 57
certification associate in arts, 44
Change of major, 34
Changing requested term of entry, 10
Cheating, 36
Chemical engineering, 101, 102, 192
Chemistry, 64, 142
Childhood/Language education, 93
Chinese, 162
Civil engineering & mechanics, 101, 103, 192
Class standing, 34
Classics, 65, 143
Clubs and organizations, 25
College Level Academic Skills Program
(CLAST-sophomore test), 11, 30
College Level Examination Program (CLEP), 46, 53
College Reach-Out Program, 46
Colleges:
   Arts and Sciences, 55
   Business Administration, 85
   Education, 90
   Engineering, 99
   Fine Arts, 112
   Medicine (see Graduate Catalog)
   New College, 121
   Nursing, 122
   Public Health (see graduate catalog), 126
Commencement, 44
Communicating with the university, 2
Communication, 66, 144
Communication Sciences and Disorders, 67, 145
Community College Relations, 15, 52
Computer science and engineering, 101, 105, 194
Computer service courses, 110, 195
Computing Services, 48
Computers in Education, 183
Concentration, certificate of, 57
Conduct, student, 21
Continuing education, School of, 50
Cooperative Education Program, 53, 132
Correspondence courses (U. of Fla.), 46
Correspondence directory, 2
Councils, 25
Counseling, student, 27
Counseling Center for Human Development, 27
Counselor education, 188
Course
   attendance - first day, 30
   audits, 29
   availability, 29
   descriptions, 127
   drops, adds, 30
   fees, 17
   numbering system, 131
   prefixes, 127
   registration, 29
   repeat, 32
   withdrawals, 30
Credit by examination (CLEP), 46, 53
Criminology, 67, 146
Curriculum and Instruction, 183
Dance, 114, 200
Dean's list, 35
Degrees:
   Academic major, 41
   Bachelor's, 41
   Two degrees (USF students), 43
   Dental and medical degrees, 44
Descriptions of courses, 127
see also specific subject
Directory information, 45
Disabled students, 9, 21
Discipline, 21
Dismissal, 33
Distributive and marketing education, 92, 183
Dormitories, 23
Double major, 43
Dropping courses, 30
Dual enrollment, 15
Early admissions, 12
Economics
   arts and sciences, 68
   business, 87
   courses, 178
Education, College of 90, 182
Electrical engineering, 101, 107, 195
Elementary education, 93, 183
Elementary/early childhood education, 93
Engineering, College of, 99, 191
English, 68, 147
   freshman requirement, 40
   secondary education, 94, 184
   English Language Center, 54
Enrollment Planning and Management, 28
Enrollment requirement (summer), 41
Entrance requirements (see Admission)
Equal opportunity complaint procedure, 9
Evaluation & Testing, Office of, 53
Examination, credit by (CLEP), 46, 53
Exchange programs, 47
Faculty, 216
Fees, 17
   BIS program, 18
   refund, 18
Final examination, 34
Finance, 87, 178
Financial aid, 19
   payments, 18
Financial information, 17
Fine Arts, College of, 112
Florida College exchange program, 48
Florida Engineering & Industrial Experiment Station, 111
Florida Mental Health Institute, 49
Florida - NASA State Technology Application Center (STAC), 111
Florida/USF public community college system, 15
dual enrollment, 46
Florida Public Interest Research Group (FPIRG) fees, 18
INDEX

Florida residency, 17
Food service, 24
Foreign language requirement, 41
Foreign languages, 78, 161
   education, 94, 184
Foreign students
   see International Students
Forgiveness policy, 33
Former students returning, 29
Fort Myers campus, 8
Foundations education, 187
Fraternities, 25
French, 78, 162
Freshmen applicants, 11
Freshman English requirement, 40
General academic regulations, 29
General business, 86, 179
General distribution requirements, 36
General education requirements, 37
General information, 7
General military course, 133
Geography, 70, 149
Geology, 70, 150
German, 79, 163
Gerontology, 71, 151
Good standing, 33
Gordon Rule, 31
Government and International Affairs, 72
Grade forgiveness policy, 33
Grade-point average (GPA), 32
Grades, 32
Grading system, 32
Graduation application, 44
Graduation requirements, 41
   College of Arts and Sciences, 55
   College of Business Administration, 85
   College of Education, 90
   College of Engineering, 99
   College of Fine Arts, 112
   College of Nursing, 122
   New College of USF, 121
Graduation with honors, 44
Graphic Design Services, 53
Greek, 143, 163
Grievance procedure, 22
   academic, 35
Handicapped students
   (see disabled), 9, 21
   parking, 9, 18
Health Professions, 58
Health service, 22
Hebrew, 163
High school, dual enrollment, 15
History, 74, 152
Honorary societies, 25
Honors, graduation with, 44
Honors convocation, 35
Honors program, 14, 132
Housing, 23
Humanities, 74, 154
"I" grade policy, 32
ID's, 53
ID card validation, 17
Immunization requirement, 22
Independent studies, 46
Industrial & management systems engineering, 101, 107, 196
Industrial-technical education, 92, 184
Information system and decision science, 87, 180
Institute on Black Life, 49
Instructional Quality & Innovation, 51
Intercollegiate athletics, 27
Interdisciplinary courses:
   natural sciences, 74
   social sciences, 67, 156
Intern certificate of participation, 18
International students, 13, 23
Internship teaching, 90
International studies, 72, 156
Intramural sports - see Recreational Sports
Italian, 79, 164
Japanese, 164
Journalism, 76
Lakeland Campus, 8
Language Institute, English, 54
Late registration fee, 18
Latin, 65, 163
Learning Technologies, 53
Liberal arts requirement, 37
   exit, 37
   general education, 37
Liberal studies, 75, 155
Library, 48
Library & Information Science, 75, 157
Lifelong Learning, 51
Limited access programs, 11
Limited access student records, 45
Linguistics, 75, 157
Load, academic, 29
"M" grade policy, 33
Major
   academic, 41
   change of, 34
   double, 43
   second, 43
Management, 88, 180
Marine science, 75, 157
Marketing, 88, 181
Marshall Center, 24
Mass communications, 76, 157
Master's degrees (see graduate catalog)
Mathematics, 76, 159
   education, 94, 185
Mature student, 51
McNair Scholars Program, 21
Measurement research (education), 94, 185
Mechanical engineering, 101, 108, 197
Media design and production, 53
Medical and dental degrees, 44, 58
Medical technology, 78, 155
Medicine, College of (see graduate catalog)
Mental Health Institute, Florida, 49
Mental retardation, 96
MERIT Center (Multilingual Educational Resource, Information, & Training), 50
Microbiology (see Biology), 141
Military science courses, 133
Minimum requirements for admissions, 11
Minor, academic, 42
Mission, university, 7
Modern Languages and Linguistics, 78, 161
Motorcycles, on campus, 19
Music, 116, 202
Music education, 97, 117, 205
NASA STAC, 111
New College of USF, 121
Newspaper, student, 27
Non-degree seeking, 14
Nursing, College of, 122, 209
Off-campus courses, 18
Off-campus housing, 24
Off-Campus Term Program, 54, 133
Officer Training Corps (see Reserve Office Training Corps), 52
Omnibus, 27
On-campus housing facilities, 23
Open University (O.U.), 54
Oracle, 27
Organization, university, 211
Organizations, student, 24
Orientation program, 11
Outreach program, 46
Overseas Study Programs, 47
PACE (Programs for Adult Credit Education), 18, 50
Parking on campus, 9, 18
Payment of accounts due, 19
of fees, 17
Personal Excellence Program (PEP), 21
Philosophy, 79, 166
Physical Education Elective, 95, 185
Physical Education for Teachers, 95, 186
Physics, 80, 167
Placement services, 27
Plagiarism, 35
Police, university, 9
Political science, 72, 168
Policies and procedures, academic, 29
Polish, 164
Portuguese, 164
Prefixes, course, 127
Pre-dental students, 58
Pre-medical sciences, 58
Pre-optometry program, 59
Pre-professional sciences, 58
Pre-veterinary medicine program, 59
Probation, academic, 33
Professional Development Center, 54
Professional Physical Education, 95
Programs offered, 6
Progress, academic, 34
Project Thrust, 21
Psychological and social foundations education, 96, 187
Psychology, 80, 170
Public administration, 73, 171
Public Health (see graduate catalog), 126, 133
Public Relations, 76
Publications, students, 27
Quota/limited access programs, 11
ROTC
Air Force, 52
Army, 52
Radio reading service, 49
Radio station, WUSF-FM, 49
Reach-Out Program, College, 46
Reading education, 93, 188
Registration, 17, 29
cancellation of, 18
Registration fee, 17
Rehabilitation Counseling, 80, 171
Release of student information, 45
Religious organizations, 26
Religious studies, 81, 171
Repeating courses, 33
Research, 49
Reserve Officer Training Corps, 52
Residence halls, 23
Residence, Florida, and non-Florida, 17
Returning student, 15
Rule 6A-10.30, 31
Russian, 79, 165
S/U grades (satisfactory/unsatisfactory), 33
SUS immunization requirement, 22
St. Petersburg campus, 8
Sarasota campus, 8
Scholarships, 19
Science education, 94, 188
Second degree, 43
Second major, 43
Secondary Education, 93
Senior citizen tuition waiver, 15, 51
Senior placement services, 27
Senior Programs, 51
Service clubs, 25
Social fraternities, 25
<table>
<thead>
<tr>
<th>Topic</th>
<th>Page Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social sciences, 156</td>
<td>94, 188</td>
</tr>
<tr>
<td>Social work, 82, 173</td>
<td>82, 173</td>
</tr>
<tr>
<td>Sociology, 83, 174</td>
<td>83, 174</td>
</tr>
<tr>
<td>Sophomore test (CLAST), 30</td>
<td></td>
</tr>
<tr>
<td>Sororities, 25</td>
<td></td>
</tr>
<tr>
<td>South Asian Studies, 81</td>
<td></td>
</tr>
<tr>
<td>Spanish, 79, 165</td>
<td>79, 165</td>
</tr>
<tr>
<td>Special academic programs, 46</td>
<td>46</td>
</tr>
<tr>
<td>Special education, 96, 188</td>
<td>96, 188</td>
</tr>
<tr>
<td>Special Events Center, 24</td>
<td></td>
</tr>
<tr>
<td>Special Programs, Division of, 50</td>
<td></td>
</tr>
<tr>
<td>Special students (non-degree), 14</td>
<td>14</td>
</tr>
<tr>
<td>Specific learning disabilities, 96</td>
<td>96</td>
</tr>
<tr>
<td>Speech pathology (see Communication Sciences and Disorders)</td>
<td></td>
</tr>
<tr>
<td>Sponsored research, 49</td>
<td>49</td>
</tr>
<tr>
<td>Sports, intercollegiate, 27</td>
<td>27</td>
</tr>
<tr>
<td>recreational, 26</td>
<td>26</td>
</tr>
<tr>
<td>STAC, 111</td>
<td></td>
</tr>
<tr>
<td>Staff/state employee waivers, 18</td>
<td>18</td>
</tr>
<tr>
<td>Standards and discipline, 21</td>
<td>21</td>
</tr>
<tr>
<td>Standing, class, 34</td>
<td>34</td>
</tr>
<tr>
<td>Statewide Course Number System (SCNS), 131</td>
<td>131</td>
</tr>
<tr>
<td>Student Affairs, Office of, 21</td>
<td>21</td>
</tr>
<tr>
<td>Student choice of catalog, 43</td>
<td>43</td>
</tr>
<tr>
<td>conduct, (standards and discipline), 21</td>
<td>21</td>
</tr>
<tr>
<td>government, 22</td>
<td>22</td>
</tr>
<tr>
<td>grievance procedures, 22, 35</td>
<td>22, 35</td>
</tr>
<tr>
<td>health, 22</td>
<td>22</td>
</tr>
<tr>
<td>housing, 23</td>
<td>23</td>
</tr>
<tr>
<td>information changes, 34</td>
<td>34</td>
</tr>
<tr>
<td>information, release of, 45</td>
<td>45</td>
</tr>
<tr>
<td>organizations, 24</td>
<td>24</td>
</tr>
<tr>
<td>publications, 27</td>
<td>27</td>
</tr>
<tr>
<td>records, 45</td>
<td>45</td>
</tr>
<tr>
<td>services, 21</td>
<td>21</td>
</tr>
<tr>
<td>Student Academic Support System (SASS), 22</td>
<td>22</td>
</tr>
<tr>
<td>Student Life and Wellness, 22</td>
<td>22</td>
</tr>
<tr>
<td>Student Support Services Program, 22</td>
<td>22</td>
</tr>
<tr>
<td>Study abroad programs, 47</td>
<td>47</td>
</tr>
<tr>
<td>SunCoast Area Teacher Training (SCATT) Program, 91</td>
<td>91</td>
</tr>
<tr>
<td>Summer enrollment requirements, 41</td>
<td>41</td>
</tr>
<tr>
<td>Teacher certification, 91</td>
<td>91</td>
</tr>
<tr>
<td>Teaching internship, 90</td>
<td>90</td>
</tr>
<tr>
<td>Television courses (O.U.), 54</td>
<td>54</td>
</tr>
<tr>
<td>Test of English as a Foreign Language (TOEFL), 12, 13</td>
<td>12, 13</td>
</tr>
<tr>
<td>Testing and evaluation, 53</td>
<td>53</td>
</tr>
<tr>
<td>Textbook center, 26</td>
<td>26</td>
</tr>
<tr>
<td>Theatre, 118, 206</td>
<td>118, 206</td>
</tr>
<tr>
<td>Transcript information, 30</td>
<td>30</td>
</tr>
<tr>
<td>Transfer credits, undergraduate, 13, 29</td>
<td>13, 29</td>
</tr>
<tr>
<td>Transfer students, 12</td>
<td>12</td>
</tr>
<tr>
<td>Transient students, 14, 46</td>
<td>14, 46</td>
</tr>
<tr>
<td>Tuition, 17</td>
<td>17</td>
</tr>
<tr>
<td>waiver, senior citizens, 15, 47</td>
<td>15, 47</td>
</tr>
<tr>
<td>Two degrees, 43</td>
<td>43</td>
</tr>
<tr>
<td>USF at Fort Myers, 8</td>
<td></td>
</tr>
<tr>
<td>USF at Lakeland, 8</td>
<td></td>
</tr>
<tr>
<td>USF at St. Petersburg, 8</td>
<td></td>
</tr>
<tr>
<td>USF at Sarasota, 8</td>
<td></td>
</tr>
<tr>
<td>USF at Tampa, 8</td>
<td></td>
</tr>
<tr>
<td>Undergraduate transfer, 12</td>
<td>12</td>
</tr>
<tr>
<td>University bookstores, 26</td>
<td>26</td>
</tr>
<tr>
<td>University Center, 24</td>
<td>24</td>
</tr>
<tr>
<td>University Computing, 48</td>
<td>48</td>
</tr>
<tr>
<td>University of Florida correspondence courses, 41</td>
<td>41</td>
</tr>
<tr>
<td>University Library, 46</td>
<td>46</td>
</tr>
<tr>
<td>University Media Center (UMC), 48</td>
<td>48</td>
</tr>
<tr>
<td>University police, 8</td>
<td>8</td>
</tr>
<tr>
<td>University-wide courses, 132</td>
<td>132</td>
</tr>
<tr>
<td>Upward Bound program, 47</td>
<td>47</td>
</tr>
<tr>
<td>Vehicles on campus, 19</td>
<td>19</td>
</tr>
<tr>
<td>Veterans Administration benefits, 20</td>
<td>20</td>
</tr>
<tr>
<td>Veterans services, 28</td>
<td>28</td>
</tr>
<tr>
<td>deferment, 20</td>
<td></td>
</tr>
<tr>
<td>Victims Advocacy Program, 9</td>
<td>9</td>
</tr>
<tr>
<td>Visiting the university, 2</td>
<td>2</td>
</tr>
<tr>
<td>Visual Communications, 76</td>
<td>76</td>
</tr>
<tr>
<td>Withdrawal</td>
<td></td>
</tr>
<tr>
<td>from class, 30</td>
<td></td>
</tr>
<tr>
<td>from the university, 30</td>
<td></td>
</tr>
<tr>
<td>Women's Studies, 83, 175</td>
<td>83, 175</td>
</tr>
<tr>
<td>WUSF-FM, WSFP-FM, 49</td>
<td>49</td>
</tr>
<tr>
<td>WUSF-TV, WSFP-TV, 49</td>
<td>49</td>
</tr>
<tr>
<td>Yoruba, 165</td>
<td>165</td>
</tr>
<tr>
<td>&quot;Z&quot; grade, 32</td>
<td>32</td>
</tr>
<tr>
<td>Zoology (see Biology), 141</td>
<td>141</td>
</tr>
</tbody>
</table>