<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>ENG 4225 (ENG 423)</td>
<td>CONTEMPORARY BRITISH FICTION FROM 1945 TO THE PRESENT</td>
<td>(5)</td>
<td>One course in British literature. A critical study of British fiction since WW II, including a consideration of those forces such as the Angry Young Men, the Absurd, the philosophical novel, and Continental influences. Writers to be considered will be Orwell, Murdoch, Beckett, Burgess, Durrell, Amis, and others.</td>
</tr>
<tr>
<td>ENG 4742 (ENG 441)</td>
<td>MODERN BRITISH AND AMERICAN POETRY FROM 1900 TO 1945</td>
<td>(5)</td>
<td>One course in British or American literature. Study of selected Modern British and American Poets from Hopkins to Auden, with attention to poetic theory.</td>
</tr>
<tr>
<td>ENG 4744 (ENG 442)</td>
<td>CONTEMPORARY BRITISH AND AMERICAN POETRY FROM 1945 TO THE PRESENT</td>
<td>(5)</td>
<td>One course in British or American literature. Intensive study of six or seven contemporary poets: Theodore Roethke, Robert Lowell, Allen Ginsberg, Denise Levertov, Sylvia Plath, Edward Field, Bob Dylan, or others.</td>
</tr>
<tr>
<td>ENG 4466 (ENG 446)</td>
<td>CONTEMPORARY DRAMA FROM 1880 TO 1945</td>
<td>(5)</td>
<td>One course in British or American literature. A study of major dramatists from the rise of Realism up to the Theatre of the Absurd, including works by Ibsen, Strindberg, Shaw, Chekhov, Pirandello, Brecht, and others. (Formerly ENG 459.)</td>
</tr>
<tr>
<td>ENG 4464 (ENG 445)</td>
<td>MODERN DRAMA FROM 1880 TO 1945</td>
<td>(5)</td>
<td>One course in British or American literature. A study of major dramatists from the Theatre of the Absurd, including such playwrights as Beckett, Ionesco, Genet, Albee, Pinter, Durrenmatt, Miller, Williams, and others. (Formerly ENG 459.)</td>
</tr>
<tr>
<td>CRW 4240 (ENG 451)</td>
<td>WORKSHOP IN FICTION</td>
<td>(5)</td>
<td>PR: ENG 353. Study and writing of the short story and sections of the novel. Evaluation of student work in conferences, selected readings. May be taken twice for credit. (Formerly ENG 423.)</td>
</tr>
<tr>
<td>CRW 4340 (ENG 452)</td>
<td>WORKSHOP IN POETRY</td>
<td>(5)</td>
<td>PR: ENG 216 and ENG 352. Self-expression in traditional and contemporary forms. Student-teacher conferences and classroom discussion. Selected readings. May be taken twice for credit. (Formerly ENG 421.)</td>
</tr>
<tr>
<td>ENG 4814 (ENG 453)</td>
<td>LITERARY CRITICISM</td>
<td>(5)</td>
<td>PR: 20 hours of literature. A study of the works of major literary critics from Aristotle to the present, with emphasis on their meaning, their implied world view, and their significance for our own time and literature.</td>
</tr>
<tr>
<td>ENG 4512 (ENG 476)</td>
<td>HISTORY OF THE ENGLISH LANGUAGE</td>
<td>(5)</td>
<td>PR: 20 hours of literature. The evolution of language from Anglo-Saxon through Middle English to Modern English. Changes in the pronunciation, syntactic, and semantic systems; discussion of the forces which influenced them; a consideration of how these changes may influence the interpretation of literature.</td>
</tr>
<tr>
<td>LIN 4420 (ENG 477)</td>
<td>LINGUISTICS AND LITERATURE</td>
<td>(5)</td>
<td>PR: ENG 475 or LIN 301. The application of relevant materials from the fields of comparative and descriptive linguistics to analysis and interpretation of literature—poetry, prose, and drama, with a view to complementing the traditional modes.</td>
</tr>
<tr>
<td>ENG 4906 (ENG 481)</td>
<td>INDIVIDUAL RESEARCH</td>
<td>(1-5)</td>
<td>PR: 12 hours of literature. Directed study in special projects. Special permission of chairperson required.</td>
</tr>
<tr>
<td>LIT 4930 (ENG 483)</td>
<td>SELECTED TOPICS IN ENGLISH STUDIES</td>
<td>(1-5)</td>
<td>PR: Sophomore standing. The content of the course will be governed by student demand and instructor interest. It will examine in depth a recurring literary theme or the work of a small group of writers. Special courses in writing may also be offered under this title. May be repeated for different topics.</td>
</tr>
<tr>
<td>ENG 4900 (ENG 485)</td>
<td>DIRECTED READING</td>
<td>(5)</td>
<td>PR: Junior standing. Readings in special topics.</td>
</tr>
<tr>
<td>LAE 6375 (ENG 601)</td>
<td>PROBLEMS IN COLLEGE ENGLISH INSTRUCTION: COMPOSITION</td>
<td>(5)</td>
<td>PR: Graduate standing. An examination of the objectives of freshman English and an investigation of current techniques for achieving those objectives, emphasizing the problems of developing critical reading and the techniques of expository writing at the college level.</td>
</tr>
<tr>
<td>LAE 6389 (ENG 602)</td>
<td>PROBLEMS IN COLLEGE ENGLISH INSTRUCTION: LITERATURE</td>
<td>(5)</td>
<td>PR: Graduate standing. A course that will allow the prospective college English teacher to experiment with teaching techniques that will determine the most effective ways to teach literature and that will teach college English teachers the variety and importance of literary techniques and their relevance to subject matter.</td>
</tr>
<tr>
<td>ENL 6304 (ENG 610)</td>
<td>STUDIES IN OLD ENGLISH</td>
<td>(5)</td>
<td>PR: Graduate standing. A study of Old English language, prose style, poetry. May be retaken with different subject matter three times.</td>
</tr>
<tr>
<td>ENL 6315 (ENG 616)</td>
<td>STUDIES IN MIDDLE ENGLISH</td>
<td>(5)</td>
<td>PR: Graduate standing. Selected focused studies in language and in various authors and writings, 1100-1500: Chaucer, the Pearl poet, Everyman, ballads, drama. May be retaken with different subject matter three times.</td>
</tr>
<tr>
<td>ENL 6333 (ENG 620)</td>
<td>STUDIES IN SIXTEENTH-CENTURY BRITISH LITERATURE</td>
<td>(5)</td>
<td>PR: Graduate standing. Selected focused studies in 16th-century British literature: Shakespeare, Sidney, Spenser, Marlowe, and others. May be retaken with different subject matter three times.</td>
</tr>
<tr>
<td>ENL 6349 (ENG 625)</td>
<td>STUDIES IN SEVENTEENTH-CENTURY BRITISH LITERATURE</td>
<td>(5)</td>
<td>PR: Graduate standing. Selected focused studies in British literature, 1600-1660: Bacon, Donne, Jonson, Herbert, Milton, and others. May be retaken with different subject matter three times.</td>
</tr>
<tr>
<td>ENL 6392 (ENG 630)</td>
<td>STUDIES IN RESTORATION AND EIGHTEENTH-CENTURY BRITISH LITERATURE</td>
<td>(5)</td>
<td>PR: Graduate standing. Selected focused studies in Restoration-Eighteenth-Century British literature: Dryden, Defoe, Pope, Swift, Fielding, Sheridan, Johnson, Boswell, and others. May be retaken with different subject matter three times.</td>
</tr>
<tr>
<td>ENL 6407 (ENG 640)</td>
<td>STUDIES OF THE ENGLISH ROMANTIC PERIOD</td>
<td>(5)</td>
<td>PR: Graduate standing. A study of pre-Romantic and Romantic prose, fiction, nonfiction, and poetry. May be retaken with different subject matter three times.</td>
</tr>
</tbody>
</table>
ENL 6447 (ENG 670) STUDIES IN MODERN BRITISH LITERATURE
PR: Graduate standing. A study of Irish and English drama, the modern novel, poetry, criticism, and the short story. May be retaken with different subject matter three times.

AML 6135 (ENG 672) STUDIES IN MODERN AMERICAN LITERATURE
PR: Graduate standing. Modern American drama, poetry, fiction, and literary criticism; authors include Faulkner, Hemingway, Fitzgerald, O'Neill, Anderson, Wolfe, Cummings, Frost, and Eliot. May be retaken with different subject matter three times.

LIT 6167 (ENG 675) STUDIES IN CONTEMPORARY LITERATURE
PR: Graduate standing. Drama, poetry, fiction, and literary criticism; authors to be studied include Ionesco, Thomas, Miller, T. Williams, Beckett, Camus, and Burgess. May be retaken with different subject matter three times.

ENG 6917 (ENG 681) DIRECTED RESEARCH
PR: GR. Master's level. Repeatable. (S/U only.)

LIT 6522 (ENG 683) SELECTED TOPICS IN ENGLISH STUDIES
PR: Graduate standing. Current topics offered on a rotating basis include The Nature of Tragedy; The Nature of Comedy and Satire; The Nature of Romanticism and Classicism; and The Nature of Myth, Allegory, and Symbolism. Other topics will be added in accordance with student demand and instructor interest.

LIT 6208 (ENG 684) STUDIES IN CONTINENTAL LITERATURE
PR: Graduate standing. General areas include the Renaissance, the Enlightenment, the Novel in Europe, the Romantic Movement on the Continent, and Classical Comedy. May be retaken with different subject matter three times.

ENG 6837 (ENG 686) STUDIES IN STYLE
(Advanced Composition for Teachers)
PR: Graduate standing. Poetics, rhetoric, dramatic style, prose style, short fiction, the novel, and the essay. May be retaken with different subject matter three times.

ENVIRONMENT (ENV)
A multi-disciplinary course dealing with environmental problems. For non-science majors. (S/U only.)

FINANCE (FIN)
FIN 2100 (FIN 201) PERSONAL FINANCE
Survey of the problems and techniques of family 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 Administration.

FIN 2105 (FIN 202) INTRODUCTION TO INVESTMENTS
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 Administration.

FIN 3403 (FIN 301) PRINCIPLES OF FINANCE
PR: ACC 300 and ECN 201. Examines the process of acquiring, allocating and supervising the use of resources with special emphasis on the tools and instruments for managing the finances of the firm, including solvency, liquidity, and profitability.

RMI 3010 (FIN 303) PRINCIPLES OF INSURANCE
Analysis of insurable risks of both businesses and individuals. An examination of the characteristics of those areas of risk and uncertainty where the mechanisms of insurance are effective alternatives. The concept, contracts, and institutions involved in insurance are examined in relationship to the socioeconomic environment.

REE 3040 (FIN 305) PRINCIPLES OF REAL ESTATE
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.

FIN 3233 (FIN 321) MONEY AND BANKING
PR: ECN 202. Examines the structure and operations of our monetary system, commercial banking, central banking, money, and capital markets, and provides an introduction to monetary theory and policy.

FIN 3604 (FIN 351) INTERNATIONAL FINANCE
PR: ECN 202 or CI. Factors affecting international business; assessment of risk; international managerial finance; institutions and instruments of international business finance.

FIN 4110 (FIN 403) LIFE, HEALTH & DISABILITY INSURANCE
PR: FIN 303, ECN 331. The course will analyze the use of life, health and disability insurance contracts as a method of dealing with the risks of death, sickness, and disability. It will also include an analysis of cost determination of the various types of coverage.

RMI 4210 (FIN 404) PROPERTY INSURANCE
PR: FIN 303. A discussion/lecture course dealing with recognition of personal and business property risks, coverages which may be used in dealing with these risks, and understanding the underwriting, marketing and social problems associated with these coverages. Topics include commercial and residential fire insurance, inland marine and transportation coverages, and multi-peril contracts. Not limited to finance majors.

RMI 4113 (FIN 405) CASUALTY INSURANCE
PR: FIN 303. A discussion/lecture course dealing with recognition of personal and business casualty risks, coverages which may be used in dealing with these risks, and understanding the underwriting, marketing, and social problems associated with these coverages. Topics include workmen's compensation, public liability, auto liability, suretyship and crime insurances. Not limited to finance majors.

FIN 4414 (FIN 411) ADVANCED CORPORATION FINANCE
PR: FIN 301. An examination of the financial policies of corporations, with special reference to dividend policy, financial structure, capital expenditures, acquisitions, mergers, and reorganization.

FIN 4504 (FIN 421) PRINCIPLES OF INVESTMENTS
PR: FIN 301 and ECN 202. 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.

REE 4301 (FIN 425) REAL ESTATE INVESTMENT ANALYSIS
PR: FIN 301 and 305. A comprehensive and in-depth study of the determinants of the market and financial feasibility of the real estate investment decision. The development of market and site analyses, theories of urban development patterns, and the role of taxation will be studied along with the application of analytical techniques for decision making. The course is not restricted to Finance majors.

REE 4204 (FIN 426) REAL ESTATE FINANCE
PR: FIN 425. A comprehensive analysis of the institutional and legal framework of real estate financing together with an introduction to the financing techniques which are traditionally utilized to finance real estate. Includes methods of raising debt and equity funds. Analysis of real property for financing purposes is stressed in a decision-making context and how that decision affects the real estate investment. The course is not restricted to Finance majors.

FIN 4303 (FIN 431) FINANCIAL INSTITUTIONS
PR: FIN 321. A study of financial institutions and their roles in the capital market in the savings allocation, investment and financial decision making process.

FIN 4834 (FIN 451) FEDERAL RESERVE SYSTEM AND MONETARY POLICY
PR: ECN 323 or FIN 321. An analysis of the Federal Reserve System, with special emphasis on the formulation and administration of monetary policy and on monetary theory.

FIN 4443 (FIN 461) FINANCIAL POLICIES AND STRATEGIES
PR: FIN 411. Senior seminar for majors in finance. Quantitative and qualitative analysis of financial policies based on independent readings and empirical research.

FIN 4524 (FIN 471) PORTFOLIO MANAGEMENT
PR: FIN 421. Study of portfolio policies and strategies of individual and institutional investors. This course utilizes both quantitative and case study approaches to problem solving.

FIN 4915 (FIN 481) INDEPENDENT RESEARCH
PR: CI. Individual study contract with instructor and department chairman required. The research project will be mutually determined by the student and instructor. May be repeated up to 10 hours.

FIN 4934 (FIN 483) SELECTED TOPICS IN FINANCE
PR: CI. Topics to be selected by Instructor and Department Chairperson on pertinent Finance issues.

FIN 4979 (FIN 497) INDEPENDENT STUDY
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 8 credit hours. (S/U only.)

FIN 5405 (FIN 501) BUSINESS FINANCE
PR: ACC 501 and ECN 501 or their equivalents. Accelerated introduction to fundamentals of business finance. Emphasis is placed on the formal presentation of financial models for decision making. The institutional features of the financial environment are also covered. Not open to undergraduate students enrolled in the College of Business Administration.

FIN 6426 (FIN 601) FINANCIAL MANAGEMENT
PR: FIN 501 or equivalent. An examination of financial practices at the level of the individual firm with emphasis on quantitative analysis of the variables affecting liquidity, solvency and profitability.

FIN 6246 (FIN 602) CAPITAL MARKETS
PR: ECN 502 or equivalent. An investigation of the capital
markets and their relationship to the external financing of firms.

FIN 6446 (FIN 611) FINANCIAL POLICY (3)
PR: FIN 601. A case study approach to financial policy and strategy with an emphasis on major financial decisions in the area of external financing, mergers, acquisitions, recapitalization, and reorganization.

FIN 6816 (FIN 621) INVESTMENTS (3)
PR: FIN 501 or equivalent, CI. An examination of the risks and returns of alternative investment media within the framework of various valuation models. Special attention is given to the investment process and the criteria for investment decisions.

FIN 6804 (FIN 651) THEORY OF FINANCE (3)
PR: FIN 601, GBA 603 or CI. A systematic and rigorous course in the theory of finance. Topics will include the theory of choice and the allocation of financial resources, criteria for optimal investments, under certainty and uncertainty, the financing decision and the cost of capital.

FIN 6804 (FIN 651) DIRECTED RESEARCH (var.)
PR: Graduate standing and CI. A variable credit course depending upon the scope and magnitude of the work required. Includes special lecture series.

FIN 697 (FIN 697) INDEPENDENT STUDY (var.)
Independent study in which students must have a contract with an instructor. Repeatable. (S/U only.)

FOREIGN LANGUAGES


General Foreign Languages (FOL)

FOL 3001 (FOL 383) GENERAL FOREIGN LANGUAGE I (1-4)
A general-purpose course that may be used for transfer of credit, credit by examination and similar matters; may also be used for formal courses in less-commonly taught languages or in professional translation.

FOL 4200 (FOL 483) GENERAL FOREIGN LANGUAGE II (1-4)
A general-purpose course that may be used for transfer of credit, credit by examination and similar matters; may also be used for formal courses in less-commonly taught languages or for workshops in professional interpreting.

FOL 4905 (FOL 485) DIRECTED STUDY (1-4)
Departmental approval required.

FOL 5906 (FOL 585) DIRECTED STUDY (1-4)
PR: FOL 483 or equivalent.

Arabic (ARA)

ARA 3110 (ARA 390) MODERN ARABIC I (3)
An intensive study of the basic grammar, syntax, pronunciation and development of reading and oral skills.

ARA 3111 (ARA 391) MODERN ARABIC II (3)

Classics (CLS)

COURSES IN TRANSLATION

CLT 3290 (CLS 310) CLASSICAL LITERATURE IN TRANSLATION: TRAGEDY (4)
Introduction to the masterworks of Greek and Roman tragedy, with analyses of plays by Aeschylus, Sophocles, Euripides and Seneca.

CLT 3300 (CLS 311) CLASSICAL LITERATURE IN TRANSLATION: COMEDY AND SATIRE (4)
Survey of the major works of Greek and Roman comedy and satire, including works by Aristophanes, Menander, Terence, Plautus, Petronius, Martial, Horace and Juvenal.

CLT 3322 (CLS 312) CLASSICAL LITERATURE IN TRANSLATION: EPIC AND LYRIC (4)
Study of epics and short lyric forms in Greco-Roman literature, including Homer and Vergil, poets from the ‘Greek Anthology,’ Catullus, Propertius, and Horace.

CLT 3370 (CLS 351) CLASSICAL MYTHOLOGY (4)
Study of the more important myths of the Greeks and Romans as laid down in classical literature and of the impact that Classical mythology made on modern Western and, in particular, English literature.

CLT 3504 (CLS 359) CLASSICAL WORD ROOTS IN SCIENCE (3)
A course in the Greek and Latin word stock used in all sciences (including medicine), technology, and law. Students’ needs determine specific content of the course.

For GREEK and LATIN courses, see GRE and LAT prefixes.

French (FRE)

COURSES IN TRANSLATION

FRT 3115 (FRE 310) HIGHLIGHTS OF FRENCH LITERATURE IN TRANSLATION (4)
A study in English of French life through writers since the revolution. Elective for students in all departments.

FRE 1120 (FRE 101) BEGINNING FRENCH I (3)
The first course in the study of elementary French. Emphasis on the development of basic skills in comprehension, speaking and reading.

FRE 1121 (FRE 102) BEGINNING FRENCH II (3)
PR: FRE 101 or equivalent. A continuation of French 101.

FRE 1102 (FRE 103) BEGINNING FRENCH III (3)
PR: FRE 102 or equivalent. A continuation of French 101 and 102.

FRE 1060 (FRE 199) FRENCH FOR READING (3)
Designed to provide a reading ability in French that will support research in other disciplines.

FRE 2200 (FRE 201) INTERMEDIATE FRENCH I (4)
PR: French 103 or equivalent. A review of the basic structure of spoken and written French. May be taken concurrently with FRE 202.

FRE 2201 (FRE 202) INTERMEDIATE FRENCH II (4)
PR: French 103 or equivalent. Readings in French on the intermediate level. May be taken concurrently with FRE 201.

FRE 3420 (FRE 301) COMPOSITION I (4)
A fundamental composition course for students who have completed FRE 201 or 202.

FRE 3410 (FRE 303) CONVERSATION I (4)
PR: FRE 103. For development of basic conversational skills.

FRE 3500 (FRE 308) FRENCH CIVILIZATION (4)
Readings and discussion on the cultural history of France. (Formerly FRE 410.)
200 FOREIGN LANGUAGES

FRW 3115 (FRE 310) See above—COURSES IN TRANSLATION

FRW 4421 (FRE 401) COMPOSITION II (4)
PR: French 303 or equivalent proficiency. This course is designed to follow FRE 301.

FRW 4780 (FRE 403) CONVERSATION II (4)
PR: Fre 303 or equivalent proficiency. Conversation practice with concentration on current idiomatic usage.

FRW 4120 (FRE 405) INTRODUCTION TO FRENCH NOVEL (4)

FRW 4121 (FRE 406) INTRODUCTION TO FRENCH POETRY AND DRAMA (4)

FRW 4930 (FRE 483) SELECTED TOPICS (1-4)
Study of an author, movement, or theme.

FRW 4905 (FRE 485) DIRECTED STUDY (1-4)
Departmental approval required.

FRW 5410 (FRE 501) LITERATURE OF THE MIDDLE AGES (4)

FRW 5420 (FRE 502) LITERATURE OF THE RENAISSANCE (4)
PR: Fre 405. A study of Renaissance French humanism including Rabelais, Montaigne, and the Pleiade poets.

FRW 5222 (FRE 521) CLASSICAL PROSE AND POETRY (4)
PR: Fre 405. Emphasis on Malherbe, La Fontaine, Boileau, Descartes and Pascal.

FRW 5310 (FRE 522) CLASSICAL DRAMA (4)
PR: Fre 405. Corneille, Moliere and Racine.

FRW 5440 (FRE 531) 18TH CENTURY LITERATURE (4)
PR: Fre 405. The classical tradition and the new currents of thought in the Age of Enlightenment.

FRW 5530 (FRE 532) PRE-ROMANTICISM (4)

FRW 5555 (FRE 541) ROMANTICISM (4)
PR: Fre 405. A study of the romantic movement with emphasis on Lamartine, Vigny, Musset and Hugo.

FRW 5550 (FRE 542) REALISM (4)
PR: Fre 405. A detailed study of realism with emphasis on Balzac and Flaubert.

FRW 5558 (FRE 543) NATURALISM AND SYMBOLISM (4)
PR: Fre 405. A detailed study of the naturalist school with emphasis on Zola, les Goncourt, Maupassant and Daudet.

FRW 5283 (FRE 551) THE 20TH CENTURY NOVEL (4)
PR: Fre 405. Proust, Gide, Mauriac, Malraux, Camus, Robbe-Grillet.

FRW 5226 (FRE 552) 20TH CENTURY POETRY AND THEATRE (4)
PR: Fre 405. Valery, Claudel, Anouilh, Montherlant, Sartre, Ionesco.

FRW 5934 (FRE 583) SELECTED TOPICS (1-4)
PR: Upper-level or graduate standing. Study of an author, movement, or theme.

The first number is the State Common Course Number

FRW 6405 (FRE 601) OLD FRENCH (4)
PR: Graduate standing. An introduction to the Old French language and literature. Readings from representative texts. Required of all M.A. candidates.

FRW 6411 (FRE 612) MEDIEVAL LITERATURE (4)
PR: Graduate standing. A study in depth of Old French literature of the Middle Ages.

FRW 6319 (FRE 622) SEMINAR ON CLASSICAL DRAMA (4)
PR: Graduate standing. A study of the works of Corneille, Racine or Moliere.

FRW 6500 (FRE 683) SELECTED TOPICS (1-4)
Study of an author, movement, or theme.

FRW 6938 (FRE 691) GRADUATE SEMINAR (4)
Topics vary. May be repeated.

FRW 6710 (FRE 694) GRADUATE INSTRUCTION METHODS (1-5)
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

FRW 6979 (FRE 699) THESIS: MASTER’S (var.)
Repeatable. (S/U only.)

German (GER)

COURSES IN TRANSLATION

GET 3111 (GER 310) HIGHLIGHTS OF GERMAN LITERATURE IN TRANSLATION (4)
An analysis in English based on translations of the most significant works of the middle ages of Luther, Grimmenschauen, Lessing, Goethe, Kant, Hegel, Nietzsche, Mann, Heidegger, Kafka, Hesse, and contemporary writers of current interest. Elective for students in all departments.

GER 1100 (GER 101) BEGINNING GERMAN I (3)
The first course in the study of elementary German. Emphasis on the development of basic skills in comprehension, speaking and reading.

GER 1101 (GER 102) BEGINNING GERMAN II (3)
PR: GER 101 or equivalent. A continuation of GER 101.

GER 1102 (GER 103) BEGINNING GERMAN III (3)
PR: GER 102 or equivalent. Continuation of GER 102.

GER 1060 (GER 199) GERMAN FOR READING (4)
Designed to provide a reading ability in German that will support research in other disciplines.

GER 2000 (GER 201) INTERMEDIATE GERMAN I (4)
PR: GER 103 or equivalent. A review of the basic structure of spoken and written German. May be taken concurrently with GER 202.

GER 2201 (GER 202) INTERMEDIATE GERMAN II (4)
PR: GER 103 or equivalent. Readings in German on the intermediate level. May be taken concurrently with GER 201.

GER 3420 (GER 301) GERMAN COMPOSITION I (4)
A fundamental course for students who have completed GER 201 or 202.

GER 3410 (GER 303) CONVERSATION I (4)
PR: GER 103. For development of basic conversational skills.

GER 3500 (GER 308) GERMAN CIVILIZATION (4)
PR: GER 201 or 202. Readings in German on the cultural history of Germany.

GET 3111 (GER 310) See above—COURSES IN TRANSLATION
The second number (in parentheses) is the USF Course Number

GER 4421 (GER 401) COMPOSITION II (4)
Practical training in modern German usage and differences of style.

GER 4411 (GER 403) CONVERSATION II (4)
Free conversation based on the current German idiom.

GEW 4120 (GER 405) SURVEY OF GERMAN LITERATURE I (4)
Old High German and Middle High German literature in modern German translation; the literature of Humanism and Baroque, the classical period.

GEW 4121 (GER 406) SURVEY OF GERMAN LITERATURE II (4)
The romantic period, 19th and 20th centuries.

GEW 4930 (GER 483) SELECTED TOPICS (1-4)
Study of an author, movement, or theme.

GEW 4900 (GER 485) DIRECTED STUDY (1-4)
Departmental approval required.

GER 5840 (GER 513) HISTORY OF THE GERMAN LANGUAGE (4)
a diachronic approach to the study of the German language.
The course traces the history and development of the language from Indo-European through Germanic, Old, Middle, and High German.

GEW 5603 (GER 521) FAUST I (4)
Sources, form, content, and literary significance of Urfaust and Faust I.

GEW 5600 (GER 531) GOETHE (4)

GEW 5610 (GER 532) SCHILLER (4)
Selected dramas, philosophical and aesthetic writings.

GEW 5515 (GER 535) THE ENLIGHTENMENT (4)
Selected dramas and critical writings by Lessing, Wieland, Kant.

GEW 5540 (GER 543) ROMANTICISM (4)
Jenaer circle and Heidelberger circle; the late romantic period, the writers between Classicism and Romanticism.

GEW 5550 (GER 544) REALISM (4)
Selected works by Grillparzer, Grabbe, Büchner, Hebbel, Heine, Immerman, Stifter, Keller, Meyer, Storm, Raabe, Hußhoff and Mörner.

GEW 5485 (GER 552) 20th CENTURY LITERATURE TO 1945 (4)
A study of major styles in German literature from 1900 to WWII with emphasis on Hauptmann, Schnitzler, Hofmannsthal, George, Rilke, Kaiser, Heym, Trakl, Thomas Mann, Hesse, Kafka, Benn, Brecht.

GEW 5488 (GER 553) 20th CENTURY LITERATURE 1945-PRESENT (4)
Study of major trends in German literature since WWII with emphasis on Borchert, Frisch, Dürenmatt, Böll, Uwe Johnson, Grass, Aichinger, Eich, Enzensberger, Bachmann.

GEW 5934 (GER 583) SELECTED TOPICS (1-4)
PR: Upper-level or graduate standing. Study of an author, movement, or theme.

GEW 6400 (GER 601) MIDDLE HIGH GERMAN (4)
An introduction to the Middle High German language and the classical literature of that period. Readings from the epics of Hartmann von Aue, Wolfram von Eschenbach, Gottfried von Strassburg, and Minnesingers (courtly love poetry).

GEW 6604 (GER 631) FAUST II (4)
An analysis of Goethe's last work: mythlogy, literary significance and critical evaluation.

GEW 6915 (GER 681) DIRECTED RESEARCH (var.)
PR: GR. Master's level. Repeatable. (S/U only.)

GEW 6934 (GER 683) SELECTED TOPICS (1-4)
Study of an author, movement, or theme.

GEW 6938 (GER 691) GRADUATE SEMINAR (4)
Topics vary. May be repeated.

GER 6908 (GER 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

Greek (GRE)

GRE 1100 (GRE 101) BEGINNING CLASSICAL GREEK I (3)
An introductory course in classical Greek grammar with appropriate readings.

GRE 1101 (GRE 102) BEGINNING CLASSICAL GREEK II (3)
PR: GRE 101 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

GRE 1102 (GRE 103) BEGINNING CLASSICAL GREEK III (3)
PR: GRE 102 or equivalent. An introductory course in classical Greek grammar with appropriate readings.

GRE 2210 (GRE 201) INTERMEDIATE GREEK I (4)
PR: GRE 103 or equivalent. Review of grammar; readings in Plato and Homer.

GRE 2211 (GRE 202) INTERMEDIATE GREEK II (4)
PR: GRE 103 or equivalent. Review of grammar; readings in Plato and Homer.

GRE 2212 (GRE 203) INTERMEDIATE GREEK III (4)
PR: GRE 103 or equivalent. Review of grammar; readings in Plato and Homer.

GRE 3110 (GRE 390) MODERN GREEK I (3)
An intensive study of the basic grammar, syntax, pronunciation and development of reading and oral skills.

GRE 3111 (GRE 391) MODERN GREEK II (3)
PR: GRE 390.

GRW 4905 (GRE 485) DIRECTED STUDY (1-4)
Study of special topics chosen by the student in cooperation with the professor.

Hebrew (HEB)

HEB 3110 (HEB 390) MODERN HEBREW I (3)
An intensive study of the basic grammar, syntax, pronunciation and development of reading and oral skills.

HEB 3111 (HEB 391) MODERN HEBREW II (3)
PR: HEB 390.

Italian (ITA)

COURSES IN TRANSLATION

ITT 3115 (ITA 310) ITALIAN CLASSICS IN TRANSLATION (4)
The works of the fathers of the Renaissance—Dante, Petrarch, Boccaccio, Machiavelli, Castiglione and others—are read and discussed in English.

ITT 3488 (ITA 311) MASTERPIECES OF 20th CENTURY ITALIAN LITERATURE IN TRANSLATION (4)
Studies of the works of Pirandello, Silone, Moravia, Lampedusa, Levi, etc.
**Italian (ITA)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITA 2200</td>
<td>INTERMEDIATE ITALIAN I</td>
<td>4</td>
<td>PR: ITA 103 or equivalent. A review of the basic structure of spoken and written Italian.</td>
</tr>
<tr>
<td>ITA 2201</td>
<td>INTERMEDIATE ITALIAN II</td>
<td>4</td>
<td>PR: ITA 103 or equivalent. Readings in Italian on the intermediate level. May be taken concurrently with ITA 201.</td>
</tr>
<tr>
<td>ITA 3420</td>
<td>ITALIAN COMPOSITION I</td>
<td>4</td>
<td>To develop the student's ability in writing Italian, to increase his ability in comprehension and use of grammatical elements.</td>
</tr>
<tr>
<td>ITA 3410</td>
<td>ITALIAN CONVERSATION I</td>
<td>4</td>
<td>PR: ITA 103. For development of basic conversational skills.</td>
</tr>
<tr>
<td>ITA 3500</td>
<td>ITALIAN CIVILIZATION</td>
<td>4</td>
<td>Readings and discussion on the cultural history of Italy. (Formerly ITA 410.)</td>
</tr>
<tr>
<td>ITT 3115</td>
<td>See above—COURSES IN TRANSLATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITT 3488</td>
<td>See above—COURSES IN TRANSLATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ITT 4421</td>
<td>ITALIAN COMPOSITION II</td>
<td>4</td>
<td>The study of syntax is intensified and the vocabulary is expanded.</td>
</tr>
<tr>
<td>ITT 4410</td>
<td>CONVERSATION II</td>
<td>4</td>
<td>PR: ITA 303 or equivalent. Free and directed conversation in Italian on contemporary topics.</td>
</tr>
<tr>
<td>ITW 4120</td>
<td>SURVEY OF ITALIAN LITERATURE I</td>
<td>4</td>
<td>Origins of Italian Literature, together with general aspects of the literature of the Middle Ages and the Renaissance.</td>
</tr>
<tr>
<td>ITW 4121</td>
<td>SURVEY OF ITALIAN LITERATURE II</td>
<td>4</td>
<td>The literature of the Seventeenth through the Twentieth century, with special emphasis on the movements of the Nineteenth and Twentieth centuries.</td>
</tr>
<tr>
<td>ITW 4605</td>
<td>DANTE—DIVINE COMEDY</td>
<td>4</td>
<td>The allegorical, poetic, religious, historical, mythological, and classical aspects of the Inferno are read and discussed.</td>
</tr>
<tr>
<td>ITA 4930</td>
<td>SELECTED TOPICS</td>
<td>1-4</td>
<td>Study of an author, movement, or theme.</td>
</tr>
<tr>
<td>ITW 4905</td>
<td>DIRECTED STUDY</td>
<td>1-4</td>
<td>Departmental approval required.</td>
</tr>
<tr>
<td>ITW 6910</td>
<td>DIRECTED RESEARCH</td>
<td>(var.)</td>
<td>PR: GR. Master’s level. Repeatable. (S/U only.)</td>
</tr>
<tr>
<td>ITA 6908</td>
<td>INDEPENDENT STUDY</td>
<td>(var.)</td>
<td>Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)</td>
</tr>
</tbody>
</table>

**Latin (LAT)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT 1100</td>
<td>BEGINNING LATIN I</td>
<td>3</td>
<td>An introductory course in Latin grammar with appropriate readings.</td>
</tr>
<tr>
<td>LAT 1101</td>
<td>BEGINNING LATIN II</td>
<td>3</td>
<td>PR: LAT 101 or equivalent. An introductory course in Latin grammar with appropriate readings.</td>
</tr>
<tr>
<td>LAT 1102</td>
<td>BEGINNING LATIN III</td>
<td>3</td>
<td>PR: LAT 102 or equivalent. An introductory course in Latin grammar with appropriate readings.</td>
</tr>
<tr>
<td>LAT 2210</td>
<td>INTERMEDIATE LATIN I</td>
<td>4</td>
<td>PR: LAT 103 or equivalent. Review of grammar; Readings in Vergil, Ovid and Martial.</td>
</tr>
<tr>
<td>LAT 2211</td>
<td>INTERMEDIATE LATIN II</td>
<td>4</td>
<td>PR: LAT 103 or equivalent. Review of grammar; readings in Vergil, Ovid, and Martial.</td>
</tr>
<tr>
<td>LAT 2212</td>
<td>INTERMEDIATE LATIN III</td>
<td>4</td>
<td>PR: LAT 103 or equivalent. Review of grammar; readings in Vergil, Ovid, and Martial.</td>
</tr>
</tbody>
</table>

**Portuguese (POR)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>POR 3130</td>
<td>ACCELERATED PORTUGUESE I</td>
<td></td>
<td>PR: Two years of another Romance Language or Latin. Basic grammar, syntax, pronunciation and development of reading and oral skills.</td>
</tr>
<tr>
<td>POR 3210</td>
<td>ACCELERATED PORTUGUESE II</td>
<td></td>
<td>PR: POR 326. Continues development of reading and oral skills.</td>
</tr>
<tr>
<td>POR 4420</td>
<td>COMPOSITION</td>
<td></td>
<td>PR: POR 327. Emphasis on syntax, verb morphology and accurate writing.</td>
</tr>
<tr>
<td>POW 4120</td>
<td>PORTUGUESE LITERATURE</td>
<td></td>
<td>PR: POR 327. Emphasis on Camoens and later writers.</td>
</tr>
<tr>
<td>PRT 4400</td>
<td>BRAZILIAN LITERATURE</td>
<td></td>
<td>PR: POR 327. Emphasis on Machado de Assis and later writers.</td>
</tr>
<tr>
<td>Course Number</td>
<td>Title</td>
<td>Description</td>
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</tr>
<tr>
<td>FOV 3405</td>
<td>MEDIEVAL AND EARLY ROMANCE LITERATURE</td>
<td>(4) Masterpieces of 20th-century literature in English. The major works of Pushkin, Lermontov, Gogol, Turgeniev, Dostoevsky, Tolstoy, and Chekhov. Elective for all students in all departments.</td>
<td></td>
</tr>
<tr>
<td>POW 6910</td>
<td>DIRECTED RESEARCH</td>
<td>(var.) GR. Master's level. Repeatable. (S/U only.)</td>
<td></td>
</tr>
<tr>
<td>RUS 101</td>
<td>BEGINNING RUSSIAN I</td>
<td>(3) The first course in the study of elementary Russian. Emphasis on the development of basic skills in comprehension, speaking and reading.</td>
<td></td>
</tr>
<tr>
<td>RUS 102</td>
<td>BEGINNING RUSSIAN II</td>
<td>(3) A continuation of RUS 101.</td>
<td></td>
</tr>
<tr>
<td>RUS 103</td>
<td>BEGINNING RUSSIAN III</td>
<td>(3) Continuation of RUS 102.</td>
<td></td>
</tr>
<tr>
<td>RUS 199</td>
<td>RUSSIAN FOR READING</td>
<td>(3) This course is designed to provide reading ability in Russian so that research may be done in other disciplines.</td>
<td></td>
</tr>
<tr>
<td>RUS 201</td>
<td>INTERMEDIATE RUSSIAN I</td>
<td>(4) PR: RUS 103 or equivalent. A review of the basic structure of spoken and written Russian. May be taken concurrently with RUS 202.</td>
<td></td>
</tr>
<tr>
<td>RUS 202</td>
<td>INTERMEDIATE RUSSIAN II</td>
<td>(4) PR: RUS 103 or equivalent. Readings in Russian on the intermediate level. May be taken concurrently with RUS 201.</td>
<td></td>
</tr>
<tr>
<td>RUS 301</td>
<td>RUSSIAN COMPOSITION I</td>
<td>(4) Development of writing skills in Russian.</td>
<td></td>
</tr>
<tr>
<td>RUS 303</td>
<td>CONVERSATION I</td>
<td>(4) PR: RUS 103. For development of basic conversational skills.</td>
<td></td>
</tr>
<tr>
<td>RUT 310</td>
<td>RUSSIAN CLASSICS IN TRANSLATION</td>
<td>(4) Masterpieces of 19th-century Russian literature in English. The major works of Pushkin, Lermontov, Gogol, Turgeniev, Dostoevsky, Tolstoy, and Chekhov. Selective for all students in all departments.</td>
<td></td>
</tr>
<tr>
<td>RUT 311</td>
<td>20TH CENTURY RUSSIAN LITERATURE IN TRANSLATION</td>
<td>(4) Masterpieces of 20th-century Soviet literature in English. The major works of Bely, Olesha, Babel, Zamyatin, Bulgakov, Pasternak, and Solzhenitsyn. Elective for all students in all departments.</td>
<td></td>
</tr>
<tr>
<td>RUS 402</td>
<td>RUSSIAN COMPOSITION II</td>
<td>(4) PR: RUS 103 or equivalent. Repeatable. (S/U only.)</td>
<td></td>
</tr>
<tr>
<td>RUS 403</td>
<td>CONVERSATION II</td>
<td>(4) PR: RUS 303 or equivalent. A continuation of Russian 303.</td>
<td></td>
</tr>
<tr>
<td>RUW 4120</td>
<td>SURVEY OF RUSSIAN LITERATURE I</td>
<td>(4) Russian literature from its origins with major emphasis on the first half of the 19th century.</td>
<td></td>
</tr>
<tr>
<td>RUW 4121</td>
<td>SURVEY OF RUSSIAN LITERATURE II</td>
<td>(4) Late 19th and 20th century Russian literature to the present.</td>
<td></td>
</tr>
<tr>
<td>SPT 3110</td>
<td>SPANISH CLASSICS IN TRANSLATION</td>
<td>(4) Outstanding literary works of Spain, in English. Open to all non-majors.</td>
<td></td>
</tr>
<tr>
<td>SPT 3131</td>
<td>LATIN AMERICAN LITERATURE IN TRANSLATION</td>
<td>(4) Outstanding works of Brazil and Spanish America, in English. Open to all non-majors.</td>
<td></td>
</tr>
</tbody>
</table>
Spanish-American literature from the Colonial period to the present. Emphasis on modern writers since Dario.

**SPW 4390 (SPA 483) SELECTED TOPICS** (1-4)
Study of an author, movement, or theme.

**SPW 4900 (SPA 485) DIRECTED STUDY** (1-4)
Departmental approval required.

**SPN 5790 (SPA 501) PHONOLOGY** (4)
PR: SPA 301. A study of the Spanish sound system.

**SPW 5310 (SPA 524) GOLDEN AGE DRAMA** (4)
PR: SPA 405. Lope de Vega, Alarcón, Tirso, Calderón, and others.

**SPW 6244 (SPA 525) THE PICARESQUE NOVEL** (4)
Realistic prose-fiction of the Renaissance and Golden Age. (Formerly SPA 625)

**SPW 5605 (SPA 526) THE QUIJOTE** (4)
Cervantes' masterpiece *Don Quijote de la Mancha*.

**SPW 5535 (SPA 540) ROMANTICISM** (4)
PR: SPA 406. Poetry and drama of the first half of the 19th century.

**SPW 5555 (SPA 542) REALISM** (4)

**SPW 5725 (SPA 546) GENERATION OF 1898 AND AFTER** (4)
PR: SPA 406. From Gavinet to Lorca

**SPW 5726 (SPA 550) GENERATION OF 1927** (4)

**SPW 5482 (SPA 552) POST CIVIL WAR LITERATURE** (4)
PR: SPA 406. The drama and novel since 1936.

**SPW 5775 (SPA 565) CARIBBEAN LITERATURE** (4)

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**GENERAL BUSINESS ADMINISTRATION (GBA)**

**BUL 2100 (GBA 261) LAW AND THE INDIVIDUAL** (5)
A study of the nature, functions, sources, formulation, and administration of law with the special emphasis on the practical aspects of criminal, tort, estate, divorce, property, business, constitutional, and other areas of law. Not available for credit to students who have been admitted to the College of Business.

**COC 3201 (GBA 333) COMPUTERS IN BUSINESS I** (3)
An introductory interdisciplinary examination of the impact of computers on all areas of business decision-making. Problems are reduced to schematic logic, programmed and tested using the computer. Computer hardware, software, history and terminology are introduced.

**COC 3202 (GBA 351) COMPUTERS IN BUSINESS II** (5)
PR: GBA 333. An advanced interdisciplinary examination of the impact of computer systems on the business enterprise. Concepts of data collection, information theory, business systems analysis, free maintenance and update systems are developed.

**BUL 3121 (GBA 361) BUSINESS LAW I** (5)
The nature of legal institutions, essentials of a binding contract, remedies granted in event of breach of contract and rights acquired by assignment of contracts.

**BUL 3122 (GBA 362) BUSINESS LAW II** (5)
PR: GBA 361. Legal problems in marketing of goods, nature of property, sales of personal property, securing of credit granted, nature and use of negotiable instruments.

**BUL 3101 (GBA 363) THE LAW OF BUSINESS ASSOCIATIONS** (5)
PR: GBA 361. A study of the law of corporations, the law of partnerships, and the law of agency.

**SSES 3331 (GBA 371) BUSINESS COMMUNICATIONS** (4)
Analysis and application of the principles of persuasion in business communication; composition and evaluation of functional business letters; examination of effective organization strategy, text, tabular and graphic presentation in formal business report.

**MAN 4910 (GBA 481) INDEPENDENT RESEARCH** (1-5)
PR: CI. Individual study contract with instructor and department chairman required. The research project will be mutually determined by the student and instructor. May be repeated up to 10 hours.

**MAN 4930 (GBA 483) SELECTED TOPICS IN BUSINESS ADMINISTRATION** (1-6)
The content and organization of this course will vary according to the current interests of the faculty and needs of students.

**(GBA 497) INDEPENDENT STUDY** (1-4)
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 8 credit hours. (S/U only.)

**MAN 4795 (GBA 499) SENIOR SEMINAR IN ADMINISTRATION** (3)
PR: Senior Standing. The course is intended to provide a unifying, integrating, and coordinating opportunity to tie together concepts, principles, and skills learned separately in other, more specialized courses in Business Administration.

**MAN 5925 (GBA 501) CBA WORKSHOP** (1-6)
Professional applications workshop in various areas of finance, marketing, economics, accounting, management. May be repeated when subjects differ.
MAN 5772 (GBA 570) ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT COUNSELING (2-4)
Provide an opportunity to apply prior studies in various aspects of business administration. Focus is on strengths/weaknesses of an on-going small business. Recommendations for improvement are to be developed based on student analysis and shared with the business principals. Actual use of the recommendations may be initiated by the student or by the business principal and student together. Results should be monitored and further assessed either by the originating student, or by other students conducting follow-up analysis of the same small business firm.

MAN 6715 (GBA 601) LEGAL ENVIRONMENT OF BUSINESS (3)
A study of the governmental regulation of business emphasizing the constitutional limitations on the powers of the federal government, the administration of the federal anti-trust laws, and administrative law.

QMB 6603 (GBA 603) QUANTITATIVE METHODS I (3)
PR: College Algebra or equivalent. Mathematical techniques for administrative problems, including linear programming, game theory, and optimization models and procedures using calculus and matrix algebra.

QMB 6656 (GBA 605) QUANTITATIVE METHODS II (3)
PR: College Algebra, ECN 331, or equivalents. Probability and sampling, Bayesian decision theory, and the design of experiments, as applied to administrative problems.

MAN 6796 (GBA 615) INTEGRATIVE SEMINAR (3)
PR: CI. The integration of analysis and policy for the decision-making process in administration. This course should be taken at the end of a student's program.

MAN 6911 (GBA 681) DIRECTED RESEARCH (var.)
PR: GR. Master's level. Repeatable. (S/U only.)
—— (GBA 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

MAN 6971 (GBA 699) THESIS: MASTER'S (var.)
Repeatable. (S/U only.)

GEOGRAPHY (GPY)

Chairperson: J. W. Stafford; Professors: R. H. Fuson, S. C. Rothwell; Associate Professors: H. J. Schaleman, Jr., D. M. Stowers, J. W. Stafford; Assistant Professors: H. H. Kim, L. D. Limoges; Visiting Assistant Professor: P. S. Segretto; Provisional Assistant Professor: M. E. Jones; Instructor: R. C. Holmes.

GEO 1930 (GPY 100) GEOGRAPHY OF CURRENT EVENTS (4)
Application of basic geographic principles of the analysis of contemporary events in various parts of the world.

GEO 3013 (GPY 301) SYSTEMATIC GEOGRAPHY (5)
Principles and concepts of the discipline; maps, earth-sun relations, weather, and climate.

GEO 3370 (GPY 302) SYSTEMATIC GEOGRAPHY (5)
PR: GPY 301 or CI. Landforms and conservation of resources. Latter part of course deals with man's use of the natural environment.

GEO 3402 (GPY 303) HUMAN GEOGRAPHY (5)
PR: GPY 301 or CI. Systematic treatment of man's activities on earth; population, settlement, agriculture, industry, trade, transportation, and political aspects are among those considered.

GEO 3901 (GPY 315) ELEMENTS OF GEOGRAPHY (1)
An independent study program in the basic elements of physical and cultural geography. Topics include maps and map reading, history of geography, earth form, weather, climate, soils, water, plants and animals, landforms and minerals, conservation, political, economic, language and religion, settlement and population, and urban. Course is designed primarily for non-majors. A student may enroll for a maximum of five hours (5 sections) during any quarter. (S/U only.)

GEO 3002 (GPY 370) GENERAL GEOGRAPHY (5)
Selected topics in regional and topical geography offered as survey courses. Open to all students.

GEO 3000 (GPY 371) WORLD REGIONAL GEOGRAPHY (5)
Comparative and analytical analysis of representative regions of the world with emphasis on cultural, political, economic, and physical diversity.

GEO 3931 (GPY 375) WEATHER AND MAN (5)
The inter-relationship between the atmospheric environment and man.

GEO 4200 (GPY 420) PHYSICAL GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Man's interaction with the physical environment, including any one or a combination of the following topics: landforms, weather, climate, soils, vegetation, water.

—— (GPY 421) METEOROLOGY (5)
PR: GPY 301 recommended or CI. An introduction to the basic study of the components of the earth's atmosphere and the interrelated processes involved. Weather elements included are temperature, atmospheric moisture, pressure, winds, clouds, precipitation, and storms. Basic weather forecasting and analysis.

—— (GPY 422) CLIMATOLOGY (5)
PR: GPY 301 recommended or CI. An introductory course which includes an examination of climatic classification systems, problem climates, and the application of climate to selected topics such as world vegetation patterns, agriculture, housing, and health.

GEO 4210 (GPY 423) PHYSIOGRAPHY (5)
PR: GPY 301 recommended or CI. Regional analysis of the physical complex of North America, including a detailed study of landforms and their distribution and processes of landform evolution.

GEO 4280 (GPY 424) HYDROLOGY (5)
PR: GPY 301 recommended or CI. An in-depth study of the hydrologic cycle with emphasis on surface water components. Particular topics may include precipitation, evapotranspiration, water budget, streamflow, and probability analysis.

GEO 4260 (GPY 425) SOILS (5)
PR: GPY 301 recommended or CI. An introduction to the study of soils with emphasis on soil morphology, conservation, classification, and world distribution of basic soil groups.

GEO 4300 (GPY 426) BIOGEOGRAPHY (5)
PR: GPY 301 recommended or CI. Study of the distribution of animal life and vegetation with emphasis on their economic and geographic significance to man.

GEO 4510 (GPY 427) MINERALS (5)
PR: GPY 301 recommended or CI. Analysis of the location, utilization, and economic significance of various selected minerals used by man and the resulting modification of the natural landscape.

GEO 4890 (GPY 428) COASTAL ZONE MANAGEMENT (5)
PR: GPY 301 recommended or CI. Identification and analysis of various physical, environmental, and cultural elements with emphasis on the impact of economic activities on these elements.
GEO 4420 (GPY 440) CULTURAL GEOGRAPHY (5)
PR: GPY 301 recommended or CI. A study of the temporal-spatial relationship of culture and nature. Emphasis is placed on man's role in using and modifying the landscape and the effect of his global distribution on his economic activities, political development, and cultural differentiation.

GEO 4500 (GPY 441) ECONOMIC GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Location factors and principles, utilizing theoretical and empirical studies. Focus upon the spatial organization of economic production, consumption, and exchange systems.

GEO 4470 (GPY 442) POLITICAL GEOGRAPHY (5)
PR: GPY 301 recommended or CI. The geographic factors underlying political decisions, which influence the outcome of political decisions, and the geographic consequences of political decisions and actions. Geopolitical relationships are examined at the local, state, national and supranational levels.

GEO 4602 (GPY 443) URBAN GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Analysis of the spatial properties of urban areas. Emphasis is placed on factors of urban growth, location, spacing, and size; examined are the geographic factors supporting urban development, site, situation, the internal structure, and the hinterland.

GEO 4460 (GPY 444) HISTORICAL GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Survey of evolving landscapes through time; analysis is made by means of systematic and regional methods in order to re-construct the changing culture-nature equation.

GEO 4440 (GPY 445) POPULATION GEOGRAPHY (5)
PR: GPY 301 recommended or CI. An analysis of contemporary patterns in world and regional distributions of people and geographical factors underlying these patterns and their changes.

GEO 446 (GPY 446) SETTLEMENT GEOGRAPHY (5)
PR: GPY 301 recommended or CI. The interrelationships of human settlement types and their natural habitats; site, situation, form, and function are examined. Emphasis is on rural settlement, but urbanization is considered.

GEO 447 (GPY 447) CONSERVATION (5)
PR: GPY 301 recommended or CI. The distribution, exploitation, and conservation of physical and human resources, ecology.

GEO 4390 (GPY 448) WATER RESOURCES (5)
PR: GPY 301 recommended or CI. A general overview of the hydrologic cycle and the impact of cultural development on its various components. May also include a survey of regional water problems.

GEO 4700 (GPY 449) TRANSPORTATION GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Reciprocal relations between freight and passenger transportation and land use organization in terms of site requirements, traffic generation, characteristics, circulation problem zones of production-fabrication-consumption.

GEO 4580 (GPY 450) MANUFACTURING GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Theories in industrial location; locational analysis of selected manufacturing industries; examined are zones of production-fabrication-consumption; regional treatment of selected manufacturing zones.

GEO 4800 (GPY 451) AGRICULTURAL GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Factors influencing the spatial organization and patterns of agricultural land use, agricultural enterprises and systems, and regional analysis of agriculture; attention is given to the origin and diffusion of domestic plants.

GEO 4530 (GPY 452) GEOGRAPHY OF ENERGY (5)
PR: GPY 301 recommended or CI. An examination of the primary sources of energy from the standpoint of systematic and regional geography. Consideration is given to the resource base, production, and consumption. Special attention is given to OPEC and environmental problems.

GEO 453 (GPY 453) URBAN AND REGIONAL PLANNING (5)
PR: GPY 301 recommended or CI. The geographic foundations of the modern city, metropolitan development, and the trend toward megalopolis. Examined are the political problems of conflicting jurisdictions at the local, county, state, national, and international levels.

GEO 4340 (GPY 454) MAN AND NATURAL HAZARDS (5)
PR: GPY 301 recommended or CI. An examination of environmental hazards; their influence on man and man's attempt to overcome them. Some of the topics considered are hurricanes, tornadoes, earthquakes, tidal waves, fire, freezes, and droughts.

GEO 4194 (GPY 460) REGIONAL GEOGRAPHY (5)
PR: GPY 301 recommended or CI. Variable title course to systematically study and compare special regions identified by the instructor.

GEO 4270 (GPY 461) GEOGRAPHY OF FLORIDA (5)
PR: GPY 301 recommended or CI.

GEO 4260 (GPY 462) GEOGRAPHY OF THE SOUTHEAST UNITED STATES (5)
PR: GPY 301 recommended or CI.

GEO 4930 (GPY 463) GEOGRAPHY OF THE AMERICAN HEARTLAND (5)
PR: GPY 301 recommended or CI.

GEO 4400 (GPY 464) GEOGRAPHY OF LATIN AMERICA (5)
PR: GPY 301 recommended or CI.

GEO 4410 (GPY 465) GEOGRAPHY OF SOUTH AMERICA (5)
PR: GPY 301 recommended or CI.

GEO 4300 (GPY 466) GEOGRAPHY OF MIDDLE AMERICA (5)
PR: GPY 301 recommended or CI.

GEO 4600 (GPY 467) GEOGRAPHY OF AFRICA (5)
PR: GPY 301 recommended or CI.

GEO 4500 (GPY 468) GEOGRAPHY OF EUROPE (5)
PR: GPY 301 recommended or CI.

GEO 4554 (GPY 469) GEOGRAPHY OF THE USSR (5)
PR: GPY 301 recommended or CI.

GEO 4360 (GPY 470) GEOGRAPHY OF THE GULF OF MEXICO (5)
PR: GPY 301 recommended or CI.

GEO 4202 (GPY 471) GEOGRAPHY OF ANGLO-AMERICA (5)
PR: GPY 301 recommended or CI.

GEO 4391 (GPY 472) AMERICAN WATER RESOURCES (5)
PR: GPY 301 recommended or CI.

GEO 4703 (GPY 473) GEOGRAPHY OF ASIA (5)
PR: GPY 301 recommended or CI.

GEO 4910 (GPY 481) INDIVIDUAL RESEARCH (1-5)
PR: 30 hours in geography and chairperson's permission prior to registration. May be repeated.

GEO 4900 (GPY 485) DIRECTED READING (1-5)
PR: 30 hours in geography and chairperson's permission prior to registration. May be repeated.

GEO 4114 (GPY 490) GEOGRAPHIC TECHNIQUES AND METHODOLOGY (5)
PR: GPY 301 recommended or CI. Selected topics in various geographic techniques and methodologies and their application.
GEO 4100 (GPY 491) CARTOGRAPHY
PR: GPY 301 recommended or Cl. Cartographic techniques of map compilation and presentation, including generalization, symbolization, reproduction, and utilization.

GEO 4124 (GPY 492) AIR PHOTO INTERPRETATION
PR: GPY 301 recommended or Cl. Use of air photos and other remote sensing devices in detecting, identifying and analyzing objects on the earth's surface from the perspective of space.

GEO 4040 (GPY 493) MAP INTERPRETATION
PR: GPY 301 recommended or Cl. Analysis and synthesis of various types of maps and map projections.

GEO 4164 (GPY 494) QUANTITATIVE METHODS
PR: GPY 301 recommended or Cl. Use of statistical analysis in geographic research.

GEO 5065 (GPY 501) GEOGRAPHIC LITERATURE AND HISTORY
PR: Senior or graduate standing in geography, or Cl. The origins and development of the discipline as revealed through an examination of the principal written sources. Special attention paid to leading personalities and modern periodicals.

GEO 5166 (GPY 503) METHODOLOGY I: QUANTITATIVE
PR: Senior or graduate standing in geography, and a course in statistics, or Cl. The application of quantitative techniques to geographic problems; factor, sensitivity, and spatial analysis.

GEO 5105 (GPY 505) METHODOLOGY II: CARTOGRAPHIC
PR: Senior or graduate standing in geography, GPY 491 (Cartography), or Cl. Application of various techniques for presenting graphic illustrations as research tools.

GEO 5945 (GPY 507) METHODOLOGY III: FIELD WORK
PR: Senior or graduate standing in geography. Data collection in a field situation, including observation, classification, interpretation, and presentation of the data.

GEO 5945 (GPY 601) METHODOLOGY IV: ACADEMIC
PR: Graduate standing in geography. Current trends in college geography, with the emphasis on the junior college program. Not available to thesis students.

GEO 6209 (GPY 603) SEMINAR IN ADVANCED PHYSICAL GEOGRAPHY
PR: Graduate standing in geography. Analytic study of a problem selected from one or more aspects of the atmosphere, biosphere, hydrosphere, or lithosphere. May be repeated once for credit, but topic may not be repeated.

GEO 6428 (GPY 605) SEMINAR IN ADVANCED CULTURAL GEOGRAPHY
PR: Graduating in geography. Analytic study of a problem selected from one or more aspects of the cultural landscape (urban, political, economic, population, settlement). May be repeated once for credit.

GEO 6195 (GPY 607) SEMINAR IN ADVANCED REGIONAL GEOGRAPHY
PR: Graduating in geography. Analytic study of a selected region of the world. May be repeated once for credit, but region may not be repeated.

GEO 6119 (GPY 609) SEMINAR IN ADVANCED TECHNIQUES & METHODOLOGY
PR: Graduating in geography. Analytic study of a selected geographic technique (such as remote sensing, graphics, photo interpretation, or computer applications) or an investigation into an aspect of methodology. May be repeated once for credit but topic may not be repeated.

GEO 6918 (GPY 681) DIRECTED RESEARCH
PR: Gr. Master's level. Repeatable. (S/U only.)

GEO 6947 (GPY 689) DIRECTED TEACHING
(1-9)

GEO 6948 (GPY 694) GRADUATE INSTRUCTION METHODS
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student (S/U only.)

GEO 6918 (GPY 695) GRADUATE RESEARCH METHODS
Special course to be used primarily for the training of graduate research assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

GEO 6908 (GPY 697) INDEPENDENT STUDY
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

GEO 6971 (GPY 699) THESIS; MASTER'S Repeatable. (S/U only.)

GEOLOGY (GLY)

Chairperson: R. A. Davis, Jr.; Professors: R. A. Davis, Jr., W. J. Ragan; Associate Professors: W. H. Huang, R. G. Stevenson, Jr., S. B. Upchurch; Assistant Professors: T. V. Mayou, M. T. Stewart; Visiting Assistant Professor: F. Bopp, III; Adjunct: W. H. Taft.

GLY 2000 (GLY 201) INTRODUCTION TO GEOLOGY
An introduction to the materials, processes and history of the earth. Students may elect to enroll in Gly 202 concurrently. No credit for geology majors or students with credit in GLY 371.

GLY 2000 (GLY 202) BASIC GEOLOGY LABORATORY
Laboratory examination of mineral and rock specimens, topographic and geologic maps, aerial photographs, and fossils. To be taken in conjunction with GLY 201, 203, 205 or 371. May not be repeated for credit. No credit for geology majors.

GLY 2850 (GLY 205) ENVIRONMENTAL GEOLOGY
A first course in geology emphasizing environmental aspects of the earth’s crust such as earthquakes, depletion of the earth’s resources, water supply problems, and geologic land use and planning. Students may enroll in GLY 202 concurrently. No credit for geology majors.

GLY 2016 (GLY 210) GEOLOGY I: EARTH MATERIALS
Study of minerals and rocks that comprise the earth’s crust. Basic introduction to the origin and classification of earth materials. Fundamentals of the rock cycle. Designed for science majors. Lec.-lab.

GLY 2017 (GLY 211) GEOLOGY II: EARTH PROCESSES
Study of surface and subsurface processes of the earth including weathering transportation and accumulation of sediment, earthquakes, and other crustal movement, and movements of fluids. Emphasis on streams, coasts, glacial environments, and aeolian environments, and the resulting landforms. Designed for science majors. Lec.-lab.

GLY 2100 (GLY 212) GEOLOGY III: EARTH HISTORY
Study of the physical and biological history of the earth including evolution of the major groups of organisms, continental drift, and interpretation of ancient environments. Designed for science majors. Lec.-lab.
GLY 3610 (GLY 302) PRINCIPLES OF INVERTEBRATE PALEONTOLOGY
PR: GLY 212 or CI. Emphasis on morphology and habits of fossils invertebrate groups as they evolved through geologic time. Comparisons with modern examples or similar organisms. Stratigraphic distribution of major groups. Lec.-lab.

GLY 3005 (GLY 310) ROCKS, MINERALS AND GEMS
A general course in the occurrence, classification, and economics of earth materials. Designed for the non-science student or rock collector who is interested in something beyond a basic introductory course. Although no prerequisites are necessary, it is recommended that either GLY 201, 205 or 371 be taken prior to enrollment in GLY 310. No credit for geology majors.

GLY 3650 (GLY 320) LIFE OF THE GEOLOGIC PAST
General course in development of organisms through geologic time including invertebrates, vertebrates, and plants. Designed for non-science majors interested in fossils, their origins and scientific value in the rock record. Although no prerequisite is necessary, it is recommended that either GLY 201, 205 or 371 be taken prior to enrollment in GLY 320. No credit for geology majors.

GLY 3820 (GLY 351) INTRODUCTION TO HYDROGEOLOGY
PR: Eight hours of geology, MTH 123 or equivalent, or CI. Occurrence, circulation and distribution of subsurface water, its chemical and physical properties, relation to the geologic environment, exploration and development. Lec.-field-lab.

GLY 3400 (GLY 361) STRUCTURAL GEOLOGY
PR: 12 hours of geology, MTH 123 or equivalent or CI. Study of the origin and development of structural features of the earth’s crust. Applications of principles of geology, physics, and mathematics to understanding relationships of strata and interpreting structural features. Lec.-lab.

GLY 3006 (GLY 371) GEOLOGY OF OUR NATION’S PARKS
Representative parks used to illustrate current concepts in geology. Students may enroll in GLY 202 concurrently. For the non-science student. No credit for geology majors or students with credit in GLY 201.

GLY 4750 (GLY 401) FIELD METHODS
PR: 20 hours of geology courses, or CI. Fundamentals of geology in the field; compass and plane table mapping, mapping of aerial photos, reconnaissance surveys, interpretation of geologic structure. Lec.-lab, field trips.

GLY 4550 (GLY 405) DEPOSITIONAL SYSTEMS
PR: GLY 211, 212 or equivalent. Study of modern sedimentary environments and their relationships to one another in order to understand environments preserved in the rock record. Physical chemical, and biological aspect of terrestrial, transitional and marine sedimentary environments will be examined in light of their eventual preservation in rocks.

GLY 4730 (GLY 409) MARINE GEOLOGY
PR: 20 hours of geology or CI. General survey of the geology of the ocean floor from beaches to oceanic trenches including sediments, processes, tectonics and history. (Formerly GLY 512.)

GLY 4210 (GLY 410) CRYSTAL CHEMISTRY AND CRYSTALLOGRAPHY
PR: GLY 210, one year chemistry and MTH 123 or equivalent or CI. Theory and application of crystal chemistry and crystallography to rock forming minerals. Emphasis on atomic structures, symmetry and Miller indices of minerals. Lec.-lab.

GLY 4200 (GLY 411) MINERALOGY
PR: GLY 410 or CI. Origin, occurrence and chemistry of mineral groups with emphasis on rock forming minerals. Identification of common minerals by physical and chemical properties. Lec.-lab. (Formerly GLY 311).

GLY 4220 (GLY 412) OPTICAL MINERALOGY

GLY 4310 (GLY 413) IGNEOUS AND METAMORPHIC PETROGRAPHY
PR: GLY 412. Systematic study of igneous and metamorphic complexes using modern methods of rock study, emphasizing use of the polarizing microscope for thin section analysis. Lec.-lab. (Formerly GLY 513.)

GLY 4555 (GLY 423) SEDIMENTOLOGY
PR: GLY 405, 412 or CI. Analysis of sedimentary rock and sedimentary structures as related to their environments of deposition. Textural and mineralogical study of sediments and statistical applications of sediment analysis. Lec.-lab., field trips.

GLY 4511 (GLY 431) PRINCIPLES OF STRATIGRAPHY
PR: GLY 405. Emphasis on classical principles of litho-and biostratigraphy, stratigraphic nomenclature, development of stratigraphic philosophy, and paleogeographic reconstruction of sedimentary basins. Lec.-lab., field trips. (Formerly GLY 531.)

GLY 4700 (GLY 433) GEOMORPHOLOGY
PR: Senior or advanced junior standing and CC. Origin, evolution and distribution of landforms. (Formerly GLY 533.)

GLY 4816 (GLY 441) ECONOMIC MINERAL DEPOSITS
PR: 20 hours of geology or CI. Principles involved in the origin, occurrence, recovery, and use of mineral resources. Lec.-lab., field trips.

GLY 4710 (GLY 471) GEOLOGY OF SOILS
PR: General Chemistry or equivalent. The origin, geologic development, formation, and nature of soils. Fundamentals of soil science, including the physical, chemical, and biological factors affecting soil fertility with special application to the soils and ecology of Florida. Lec.-lab., field trips. For non-majors.

GLY 4040 (GLY 473) CONCEPTS IN EARTH SCIENCE
Earth’s environment in space, including a selected study of its materials, processes, climate, oceans, soils, and history. Lec.-disc., field trips. No credit for geology majors.

GLY 4821 (GLY 475) HYDROGEOLOGY AND HUMAN AFFAIRS
PR: Open to all junior and senior level students. Geologic analyses of the present critical and urgent problems of water resources, pollution control, water supply, flood control, and underground waste disposal as they relate to economic, legal, and other social aspects of modern society. Field trips. No credit for geology majors.

GLY 4915 (GLY 481) UNDERGRADUATE RESEARCH
PR: Senior or advanced junior standing and written permission of department prior to registration. Individual experimental investigations with faculty supervision. (S/U only.)

GLY 4930 (GLY 483) SELECTED TOPICS IN GEOLOGY
Each topic is a course under the direction of a faculty member with the content depending on the interests of the students and faculty involved. All areas of geology included. Departmental permission required prior to registration.

GLY 4920 (GLY 492) GEOLOGY COLLOQUIUM
PR: Senior standing in Geology. Weekly topical lectures by faculty, graduate students and invited speakers. Required of all senior geology majors, to be repeated for a total of 3 credit hours. (S/U only.)

GLY 497 (GLY 497) INDEPENDENT STUDY
PR: CI. Specialized independent study determined by the students’ needs and interests. May be repeated. (S/U only.)

GLY 5341 (GLY 504) PETROLOGY OF CHEMICAL ROCKS
PR: GLY 302, 412 or CI. Origin, mineralogy, and petrology of chemical and organic sedimentary deposits including...
evaporites, carbonates, cherts, oil and gas, coal and sedimentary iron ores. Lec.-lab, field trips.

GLY 5450 (GLY 521) PRINCIPLES OF APPLIED GEOPHYSICS (4)
PR: Senior or advanced junior standing, one year of Physics, or CI. Elementary treatment of gravimetric, magnetic, electric, and seismic geophysical techniques as applied to site investigations and mineral deposits. Lec.-lab, field trips.

GLY 5615 (GLY 532) ADVANCED STRATIGRAPHIC PALEONTOLOGY (5)
PR: GLY 302, 405 or CI. Morphology, geologic distribution and stratigraphic ranges of important invertebrate guide fossils. Lec.-lab, field trips.

GLY 5825 (GLY 553) ADVANCED HYDROGEOLOGY (4)
PR: GLY 351, MTH 213 or 303, PHY 215-216, or CI. Aquifer evaluation and quantitative determination of the hydraulic characteristics of hydrogeologic systems. Lec.-field-lab.

GLY 5241 (GLY 571) GENERAL GEOCHEMISTRY (4)
PR: One year college chemistry, GLY 411 or CI. Age, formation and evolution of the earth with application of basic chemical concepts and processes that govern the distribution of elements in geologic environments.

GLY 5245 (GLY 573) ANALYTICAL TECHNIQUES IN GEOLOGY (5)
PR: One year college chemistry, GLY 412 or CI. Use and application of modern analytical methods including X-ray, atomic absorption, and other geochemical techniques. Interpretation and statistical analysis of data acquired. Lec.-lab.

GLY 5932 (GLY 583) SELECTED TOPICS IN GEOLOGY (1-5)
PR: Senior or advanced junior standing and CC. Each topic is a course in directed study under supervision of a faculty member. All areas of geology included. Departmental permission required prior to registration.

GLY 6575 (GLY 603) COASTAL SEDIMENTATION (4)
PR: GLY 423 or equivalent. Study of modern coastal sedimentary environments with emphasis on beaches, inlets, deltas, estuaries and marshes. Analysis of sedimentary process and resulting morphology of sediment bodies. Lec.-lab, field trips.

GLY 6535 (GLY 608) CARBONATE PetrographY (4)
PR: GLY 412, 504 or equivalent or CI. Origin and environmental interpretation of carbonate rocks with emphasis on thin section study as means of interpreting ancient depositional and diagenetic environments. Lec.-lab.

GLY 6349 (GLY 609) SANDSTONE PetroGRAPHY (4)
PR: GLY 412, 403 or CI. Origin and environmental interpretation of sandstones including fine grained terrigenous sediments. Emphasis on thin-section study of sandstones as means of interpreting ancient depositional and diagenetic environments. Lec.-lab.

GLY 6660 (GLY 620) MARINE PALEOEKOLOGY (4)
PR: GLY 302, 423 or CI. Interpretation of the relationships between ancient organisms and their environment with emphasis on the substrate. Applications of modern benthic marine environments and sediment-organism relationships to the fossil record. Lec.-field trips.

GLY 6826 (GLY 652) DEVELOPMENT OF GROUND-WATER RESOURCES (4)
PR: GLY 553 or CI. Analysis of cause-effect relationships between ocean, streams, lakes, and aquifers; planning and design of hydrogeology resources investigations. Lec.-lab, field trips.

GLY 6250 (GLY 661) CLAY MINERALOGY (4)
PR: Graduate standing in geology or CI. Composition, structures, origin, and diagenesis of clay minerals. Identification of clay minerals by X-ray diffraction techniques.

GLY 6290 (GLY 672) SEDIMENTARY GEOCHEMISTRY (4)
PR: GLY 571 or CI. Fundamentals of aqueous geochemistry in relation to chemical and biochemical precipitation of sedimentary materials. Geochemistry of fluids with emphasis on diagenesis.

GLY 6246 (GLY 673) CHEMICAL EQUILIBRIA IN THE EARTH (4)
PR: GLY 571 or CI. Application of basic solution geochemistry and equilibria concepts to geologic problems with emphasis on geochemical reactions at low temperatures and pressures.

GELY 6910 (GLY 681) DIRECTED RESEARCH (var.)
PR: GR, Master’s level. Repeatable. (S/U only.)

GELY 6735 (GLY 683) SELECTED TOPICS IN GEOLOGY (1-6)
PR: CI. May be repeated for credit.

GELY 6931 (GLY 691) GRADUATE SEMINAR (1)
PR: CI. May be repeated for credit. (S/U only.)

— (GLY 692) ADVANCED TOPICS IN GEOLOGY (2)
PR: Graduate standing in Geology. Study of current topics in Geology. Required of all graduate students in Geology. May be repeated for credit.

GELY 6974 (GLY 694) GRADUATE INSTRUCTION METHODS (1-5)
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

GELY 6910 (GLY 695) GRADUATE RESEARCH METHODS (1-5)
Special course to be used primarily for the training of graduate research assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

GELY 6905 (GLY 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

GELY 6972 (GLY 699) THESIS: MASTER'S (var.)
Repeatable. (S/U only.)

HISTORY (HTY)


PART I

EUH 2101, 2102 (HTY 201, 202) ANCIENT HISTORY I, II (4,4)
A survey study of the ancient civilization. 201 treats Near Eastern and Greek history to the beginning of the career of Alexander the Great; 202 treats the career of Alexander, the Hellenistic World, and Rome to the death of Constantine. Attention is drawn to the correlative work in CLS 321, Ancient Civilizations.

AMH 2010, 2020 (HTY 211, 212) AMERICAN HISTORY I, II (4,4)
A history of the United States with attention given to relevant developments in the Western Hemisphere, 211: European origins to 1877; 212: 1877 to present.
EUH 2121, 2122 (HTY 221, 222) MEDIEVAL HISTORY I, II (4,4)
A thematic survey of the Middle Ages. 211 deals with the nascent Christian civilization of Europe, circa 300-1050 A.D.; 222 treats the mature medieval civilization of Europe, circa 1050-1500.

EUH 2210, 2211, 2212 (HTY 231, 232, 233) MODERN EUROPEAN HISTORY I, II, III (4,4,4)
A thematic survey of Europe in the modern age. 231 treats the period from the Renaissance to the French Revolution; 232, from the French Revolution to the present.

PART II

AMH 3110 (HTY 301) AMERICAN COLONIAL HISTORY TO 1750 (4)
A study of European interest and involvement in America from the Age of Reconnaissance to 1750. Attention is given to imperial conflicts, religious development, economic growth, and the beginnings of distinctive American views.

AMH 3130 (HTY 302) THE AMERICAN REVOLUTIONARY ERA (4)
A study of American development from 1750 to 1789 with emphasis on institutional development and the establishment of the American national system as an outgrowth of revolution and counter-revolution.

AMH 3140 (HTY 303) THE AGE OF JEFFERSON (4)
A study of the formation of the American national state, the development of political parties, continental expansion and reform movements. Covers the period from 1783 to 1828.

AMH 3160 (HTY 304) THE AGE OF JACKSON (4)
A study of the birth of the American national state, the development of political parties, continental expansion and reform movements. Focuses upon the years from 1828 to the Compromise of 1850.

AMH 3170 (HTY 305) THE CIVIL WAR AND RECONSTRUCTION (4)
The events and personalities of the 1860's; the Civil War and Reconstruction including politics, slavery, reform and expansion are examined in addition to the military conflict.

AMH 3201 (HTY 306) THE UNITED STATES, 1877-1914 (4)
A study of the turn of the American society from the era of Reconstruction to WWI focusing on industrialization, expansion, and urbanization. (Formerly HTY 319.)

AMH 3231 (HTY 307) THE UNITED STATES, 1914-1945 (4)
A comprehensive study of the United States from the beginning of World War I to the end of World War II. Consideration of social and intellectual, political, economic, and diplomatic developments from the presidency of Woodrow Wilson through the presidency of Franklin Roosevelt. (Formerly HTY 320.)

AMH 3270 (HTY 308) THE UNITED STATES SINCE 1945 (4)
A study of American society from the end of World War II to the present. Development in the political, economic, social and intellectual spheres will be studied and related to the role of the United States in international politics.

AMH 3510 (HTY 309) AMERICAN FOREIGN RELATIONS TO 1898 (4)
The development of American Foreign Relations in the Agricultural era. (Formerly HTY 409.)

AMH 3511 (HTY 310) AMERICAN FOREIGN RELATIONS SINCE 1898 (4)
A history of American Foreign Relations in the Industrial era. (Formerly HTY 410.)

AMH 3402 (HTY 311) THE ORIGINS AND GROWTH OF THE AMERICAN SOUTH (4)
A chronological study of the South in its relations with the rest of the United States focusing on the origins and development of Southern institutions and thought.

AMH 3403 (HTY 312) THE SOUTH AND THE NATION (4)
The growth of the "New South." and the increasing integration and assimilation of the South in the nation.

AMH 3540 (HTY 313) UNITED STATES MILITARY HISTORY (4)
A study of United States military history from the American colonial period to the present. The United States military experience is studied within the context of related international and domestic developments and integrated with European antecedents.

AMH 3500 (HTY 314) AMERICAN LABOR HISTORY (4)
A study of American workers with emphasis on the period from the 1860's to the present. The course examines the impact of industrial change on workers and their responses as expressed in strikes, unions, and political action.

AMH 3460 (HTY 315) AMERICAN URBAN HISTORY (4)
A study of cities in American history from the colonial period to the present. The course focuses on the process of urbanization and the changing quality of urban life.

AMH 3421 (HTY 317) EARLY FLORIDA HISTORY (4)
A history of colonial Florida under the Spanish and English Florida as an area of discovery, colonization and imperial conflict; the emergence of Florida within its regional setting.

AMH 3423 (HTY 318) MODERN FLORIDA HISTORY (4)
Florida from its acquisition by the United States in 1821 to the present time. Stresses political, economic, and cultural growth and the affect of the environment.

AMH 3401 (HTY 321) HELLENIC GREECE (4)
A study of Greece in the Ancient period focusing on the Pre-Hellenic and Hellenic periods to the death of Philip of Macedon.

AMH 3402 (HTY 322) Hellenistic Greece (4)
A study of the career of Alexander The Great and of major developments in the Hellenistic period.

AMH 3412 (HTY 325) ROMAN REPUBLIC (4)
A study of the Roman Republic in the period from its establishment in 509 B.C. to the death of Julius Caesar in 44 B.C. A prelude deals with Roman origins in the Regal period.

AMH 3413 (HTY 326) ROMAN EMPIRE (4)
A study of the Roman Empire in the period from the death of Julius Caesar in 44 B.C. to the death of Marcus Aurelius, A.D. 180.

AMH 3188 (HTY 327) MEDIEVAL SOCIETY (4)
An investigation into the daily life and attitudes of the medieval peasant and townsman, and the agrarian-urban economy and society which affected their lives.

AMH 3189 (HTY 328) MEDIEVAL POLITICS (4)
An inquiry into the nature, distribution, and use of political power in the middle ages. Studies of the Ecclesiastical and secular nobility, their political actions, attitudes and lives.

----- (HTY 330) EARLY MODERN EUROPEAN HISTORIES (4)
A study of major developments in specific countries. Each permanent section of the course will be devoted to the history of an individual country: Section 001, British history to 1715; Section 002, French history to 1789; Section 003, German history to 1870; Section 004, Russian history to 1855. May be repeated for credit providing the student enrolls in a different permanent section.

----- (HTY 331) MODERN EUROPEAN HISTORIES (4)
A study of Modern historical developments in specific countries. Each permanent section will be devoted to an individual country: Section 001, British history to 1715 to Present; Section 002, French history 1789 to Present; Section 003, German history 1870 to Present; Section 004, Russian 1855 to Present;
The second number (in parentheses) is the USF Course Number

Section 005, Italian history 1861 to Present. May be repeated for credit providing student enrolls in a different permanent section.

**EIH 3531 (HTY 345) BRITISH EMPIRE (4)**
British Empire and Commonwealth. A study of the first and second British Colonial Empires, the emergence of the British Commonwealth into the Commonwealth of Nations.

**AMH 3800 (HTY 347) HISTORY OF CANADA (4)**
A study of the major themes in the political and social development of Canada, with particular emphasis on the origins and development of French-Canadian nationalism, continentalism, and dominion-provincial relations.

**LAH 3021 (HTY 350) SPAIN, PORTUGAL AND THE IBERIAN EMPIRES (4)**
A study of the peoples of the Iberian peninsula from the late medieval period to 1898 with emphasis on the Spanish and Portuguese empires in the Western Hemisphere. (Formerly HTY 251, HTY 352.)

**LAH 3022 (HTY 351) MODERN LATIN AMERICA (4)**
A study of the emergence of the Latin American state. Emphasis is on Latin America since the wars of emancipation with special attention to the Third World character of the region, including independence, underdevelopment, imperialism and revolution. (Formerly HTY 252.)

**LAH 3430 (HTY 353) MEXICO (4)**
A thematic study of Mexican history from Pre-Columbian cultures to the 20th Century, with special emphasis on colonial society, the emergence and development of the Mexican state and the Mexican Revolution.

**LAH 3470 (HTY 354) CARIBBEAN HISTORY (4)**
A thematic study of major political and socio-economic developments in the Caribbean area.

**LAH 3600 (HTY 355) HISTORY OF BRAZIL (4)**
A study of the social, economic, military and political development of Portuguese Brazil in an otherwise Spanish American continent. Emphasis is on the nineteenth and twentieth centuries.

**LAH 3480 (HTY 356) HISTORY OF CUBA (4)**
An examination of Cuban history from Columbus to Castro. Emphasis on a thematic study of Cuba, including conquest and colonization, the nineteenth century struggles for independence, the political-economy of the Republic, and the revolutionary processes of the twentieth century.

**ASH 3403 (HTY 357) ANCIENT AND IMPERIAL CHINA (4)**
A survey of Chinese history from the earliest agrarian societies to the height of Chinese civilization in the Ming Dynasty (ca. 15th-16th Centuries).

**ASH 3404 (HTY 358) MODERN CHINA (4)**
A survey of the 19th and 20th Centuries up to the creation of the Chinese People’s Republic in 1949.

**EIH 3140 (HTY 360) HISTORY OF THE RENAISSANCE (4)**
A social and cultural view of Europe during the Renaissance. Specific attention will be given to the artistic and philosophical developments in relation to the social, economic and political situation. (Formerly HTY 425.)

**EIH 3145 (HTY 361) THE REFORMATION AND THE WARS OF RELIGION (4)**
A social and cultural approach to European history from Luther to the Thirty Years War, (1517-1648). Religious and political conflicts and solutions will be examined in light of the cultural, social and economic characteristics of the period. (Formerly HTY 426.)

**EIH 3204 (HTY 362) HISTORY OF THE ENLIGHTENMENT (4):**
The history of Europe from the Peace of Westphalia (1648) to the outbreak of the French Revolution. (Formerly HTY 428.)

**EIH 3205 (HTY 363) HISTORY OF NINETEENTH CENTURY EUROPE (4)**
A comparative study of major economic, political, and sociocultural developments in 19th Century Europe.

**EIH 3206 (HTY 364) HISTORY OF TWENTIETH CENTURY EUROPE (4)**
A comparative study of major economic, political and sociocultural developments in 20th Century Europe. (Formerly HTY 430.)

**EIH 3302 (HTY 365) BYZANTINE HISTORY TO 867 (4)**
A thematic treatment of the history of Byzantium from 324 A.D. to 867. Course explores social, economic, religious and political developments together with consideration of literature, learning and the arts.

**EIH 3303 (HTY 336) IMPERIAL BYZANTIUM (4)**
A study of the Byzantine Empire during the period 867-1453. Emphasizing causes for its decline and fall.

**AFF 3100 (HTY 367) INTRODUCTION TO AFRICAN HISTORY (4)**
An outline survey of precolonial African history including a prefatory introduction to the use of primary sources (such as archaeology, oral tradition, cultural anthropology, comparative linguistics, documents) in reconstructing the African past. (Also listed as AFA 334.)

**AFF 3200 (HTY 368) AFRICAN HISTORY SINCE 1850 (4)**
Survey of the colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states and post-independence problems of nation building and economic development. (Also listed as AFA 334.)

**HSJ 3930 (HTY 381) SPECIAL TOPICS (4)**
This course is designed to emphasize a selected historical problem or issue that is meaningful and challenging to the student. A variety of instructional approaches will be taken to the material. Topics will be changed each quarter.

**WOH 4270 (HTY 400) SOCIAL AND INTELLECTUAL HISTORY (4)**
A study of major social & intellectual developments in the areas of concentration offered by the Department. Each area is represented by one of the following permanent sections: Section 001, The Ancient World; Section 002, Medieval Europe; Section 003, Modern Europe; Section 004, Latin America; Section 005, The United States of America. May be repeated for credit providing the student enrolls in a different section.

**WOH 4270 (HTY 461) REVOLUTIONS IN THE MODERN WORLD (4)**
A comparative study of the major revolutions in world history and a study of the relationship between revolution and other forms of social change.

**HIS 4461 (HTY 465) SCIENCE AND CIVILIZATION (4)**
A thematic study of the interrelationship of science and society in modern history, science as a social institution in history.

**HIS 4900 (HTY 485) DIRECTED READING (1-4)**
PR: CI. Arrangement with instructor prior to registration. Readings in special topics.

**PART III**

**HIS 4152 (HTY 487) THEORY OF HISTORY (4)**
PR: To be taken during the senior year. An investigation of the philosophical problems of history, with emphasis on the evolution of the discipline. (Formerly HTY 587.)

**HIS 4936 (HTY 491) PRO-SEMINAR IN HISTORY (4)**
PR: CI. Advanced topics in the fields emphasizing readings, discussion, research, and writing. One pro-seminar is required of all history majors. Non-majors may enroll with the consent
of the instructor. Topic vary within each field. (Formerly HTY 591.)

HIS 4070 (HTY 492) RESEARCH IN HISTORY (4)
PR: CI. Introduction to the methods of historical research and writing, bibliography and directed research in special topics designed to meet the particular needs and interests of individual students. Should be taken in the term immediately following enrollment in HTY 491. (Formerly HTY 592.)

HIS 6112 (HTY 600) ANALYSIS OF HISTORICAL KNOWLEDGE (4)
PR: Graduate Standing. A study of History as a form of knowledge with emphasis on explanatory devices and models of the discipline and the application of Social Science theory to the problems of Historical thought.

HIS 6113 (HTY 601) THEORY AND INTERPRETATION (4)
A systematic examination and evaluation of various schools of historical interpretation.

The first number is the State Common Course Number

HIS 6920 (HTY 680) COLLOQUIUM IN HISTORY (4)
Reading and discussion of selected topics within the fields. Subject and scope to be determined by the instructor. May be repeated for credit.

HIS 6904 (HTY 681) DIRECTED RESEARCH (var.)
PR: GR. Master's level. Repeatable. (S/U only.)

HIS 6939 (HTY 691) SEMINAR IN HISTORY (4)
Research in selected problems within the fields. Subject and scope to be determined by the instructor. May be repeated for credit. The master's candidate is required to satisfactorily complete work in at least one graduate seminar to fulfill the requirement for the Master's degree in History.

HIS 6908 (HTY 697) INDEPENDENT STUDY (var.)
Independent study in which students must have a contract with an instructor. Repeatable. (S/U only.)

HIS 6971 (HTY 699) THESIS: MASTER'S (var.)
Repeatable. (S/U only.)

HUMANITIES (HUM)


HUM 3024 (HUM 308) THE HUMANITIES (4)
The Arts. Analyses of selected works of film, literature, music, and visual arts, including a variety of periods, nationalities and art forms, emphasizing artistic diversity.

HUM 3271,3272,3273 (HUM 311,312,313) HUMANITIES AND HUMANE VALUES (5,5,5) Masterpieces of music, visual arts, theater, literature, and philosophy in varying cultural and historical situations.

HUM 3214 (HUM 315) THE HUMANITIES (4)
Studies in Culture: The classical and medieval periods. Analyses of selected works of classical and medieval architecture, drama, sculpture, intellectual prose, and other art forms. Typical course focus is on architecture, drama, and intellectual prose.

HUM 3236 (HUM 316) THE HUMANITIES (4)
Studies in Culture: The Renaissance and the 19th Century. Analyses of selected fiction, drama, painting, architecture, music, and other art forms. Typical course focus is on painting and music.

HUM 3251 (HUM 317) THE HUMANITIES (4)
Studies in Culture: The 20th Century. Analyses of selected works of 20th Century art, primarily emphasizing film, with secondary emphasis on painting and fiction. (Formerly CBS 317.)

HUM 3580 (HUM 350) THE CURRENT SCENE (2)
Live performances in contemporary media will be followed by discussions. The course is designed to bring students into direct contact with artists and their work and to establish an environment for the free exchange of ideas, reactions and judgments of the works presented. The course will emphasize recent developments in the arts with some special attention to current innovations; film environments, mixed-media, improvisational theatre, random composition, kinetic art, and others. (S/U only.)

HUM 4471,4473 (HUM 411,412) TWENTIETH-CENTURY ARTS AND LETTERS (5, 5)
PR: Sophomore standing or CI. Case studies in the arts and letters of the twentieth century.

HUM 4442,4443 (HUM 415,416) ARTS AND LETTERS OF THE ROMANTIC PERIOD (4, 4)
PR: Sophomore standing or CI. Case studies in the arts and letters of the romantic period.

HUM 4444,4445 (HUM 417,418) NINETEENTH-CENTURY ARTS AND LETTERS (4, 4)
PR: Sophomore standing or CI. Case studies in the arts and letters of the nineteenth century.

HUM 4440,4441 (HUM 419,420) THE ENLIGHTENMENT (4, 4)
PR: Sophomore standing or CI. Case studies in the arts and letters of the Enlightenment.

HUM 4433,4434 (HUM 427,428) MEDIEVAL ARTS AND LETTERS (4, 4)
PR: Sophomore standing or CI. Case studies in the arts and letters of the middle ages.

HUM 4431,4432 (HUM 431,432) CLASSICAL ARTS AND LETTERS (4, 4)
PR: Sophomore standing or CI. Case studies in the arts and letters of the ancient world.

HUM 4905 (HUM 481) DIRECTED STUDY (1-5)
Specialized individual study determined by the student's needs and interests.

HUM 4930 (HUM 483) SELECTED TOPICS IN HUMANITIES (1-5)
PR: Sophomore Standing or CI. This course will deal with a recurrent theme in the arts as, for example, love or death, or will focus on artistic centers such as Renaissance Florence or Paris in the 1920's. Topics will vary; course may be repeated for credit with change of content.

HUM 4906 (HUM 491) SELECTED PROBLEMS IN HUMANITIES (4)
Problems in the interrelationships among the fine arts and the natural, social and behavioral sciences. A senior essay for humanities majors.

HUM 5452, 5454, 5456 (HUM 535, 536, 537) HUMANITIES IN AMERICA (4,4,4)
Case studies in the arts and letters of the United States.

HUM 5422 (HUM 538) AFRICAN ARTS AND LETTERS (4)
Examples from both the traditional and contemporary arts and letters of Africa. Africa as a subject in Western art.

HUM 5485, 5486 (HUM 539, 540) SELECTED NON-WESTERN HUMANITIES (4, 4)
Materials chosen from arts and letters of Asia, Oceania, and...
the Middle East. May be repeated for credit with change of content.

HUM 5412 (HUM 541) HUMANITIES IN THE ORIENT: INDIA
Examples from the arts and letters of India and the relationship of these arts to the Hindu and Buddhist philosophy-religions.

HUM 5414 (HUM 542) HUMANITIES IN THE ORIENT: CHINA
Examples from the arts and letters of China; their relationship to Taoism, Confucianism and other Chinese philosophies; Western influences on 20th-century Chinese arts and letters.

HUM 5415 (HUM 543) HUMANITIES IN THE ORIENT: JAPAN
Examples from the arts and letters of Japan, their relationship to Zen Buddhism and other Japanese philosophy-religions; Western influences on 20th-century Japanese arts and letters.

HUM 5465 (HUM 545) LATIN AMERICAN ARTS AND LETTERS
Analysis of selected Latin American works of art in their cultural context.

HUM 6493 (HUM 601) STUDIES IN CLASSICAL ARTS AND LETTERS
PR: Graduate Standing. Examples from the arts and letters of ancient Greece and their relationship to Aegean myths, religions and philosophies. Classical Greek influences on later cultures.

HUM 6494 (HUM 603) STUDIES IN MEDIEVAL ARTS AND LETTERS
PR: Graduate Standing. Studies in medieval philosophies and their artistic and social expression. Concentrations on early Christian music and manuscript, the communal and monastic ideal (400–1000 A.D.); Romanesque architecture, neo-Platonism and emerging humanism (1000-1200 A.D.); Gothic visual arts—cathedrals, stained glass, sculpture—and scholastic philosophy (1200-1500 A.D.).

HUM 6495 (HUM 605) STUDIES IN RENAISSANCE ARTS AND LETTERS

HUM 6496 (HUM 607) STUDIES IN ENLIGHTENMENT ARTS AND LETTERS
PR Graduate Standing. Studies in painting, sculpture, music, literature, and architecture in relation to philosophical determinism and political absolutism.

HUM 6497 (HUM 609) STUDIES IN NINETEENTH CENTURY ARTS AND LETTERS
PR: Graduate Standing. Examples from the arts and letters of the nineteenth century, their relationship to philosophical, social, and historical developments, and to the arts and letters of the twentieth century.

HUM 6475 (HUM 611) STUDIES IN CONTEMPORARY ARTS AND LETTERS
Concentration on major artists and recent trends.

HUM 6909 (HUM 681) DIRECTED RESEARCH
PR: GR. Master's level. Repeatable. (S/U only.)

HUM 6934 (HUM 683) SELECTED TOPICS IN HUMANITIES
Each topic is a course of study in a subject not covered by a regular course. May be repeated for credit with change of content.

HUM 6909 (HUM 697) INDEPENDENT STUDY
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

HUMAN SERVICES (HUS)


HUS 3010 (HUS 326) INTRODUCTION TO HUMAN SERVICES
An introduction to the field of human services. Study of the professions and agencies involved in providing human services. Analysis of the values and ethics of various professional associations. (Formerly SSI 326.)

HUS 3200 (HUS 320) SOCIAL POLICY IN THE UNITED STATES
PR: HUS 326 or CI. Historical development of social policy in the United States. The impact of industrialization and urbanization on the individual and family. The changing roles of family, community, state and nation. Analysis of current issues. (Formerly SSI 327.)

SOW 4332 (HUS 426) COMMUNITY ORGANIZATION AND DEVELOPMENT
PR: HUS 326 or CI. An interdisciplinary approach to community organization and development. A synthesis of social, cultural, psychological, economic, and political information concerning community structure and change. Approaches to the introduction of community change. (Formerly SSI 426.)

HUS 4020 (HUS 427) THE LIFE CYCLE
An examination of individuals as they move through the various stages of the life-cycle—from birth until death. Attention is given to the physiological and psychosocial changes which occur during infancy, childhood, adolescence, young adulthood, middle age, old age, etc. Indentification of major needs of individuals at different stages of life cycle. (Formerly SSI 427.)

HUS 4500 (HUS 428) PLANNING AND EVALUATION OF HUMAN SERVICES PROGRAMS
PR: HUS 326 or CI. Review of approaches to planning, coordination, and evaluation of human services programs. Methods of determining efficiency and effectiveness of health, rehabilitation, welfare and community action programs. Application of planning and evaluation techniques to human services fields. (Formerly SSI 428.)

MHT 4302 (HUS 429) INTERVIEWING
PR: HUS 326 or CI. The principles and techniques of interviewing. Use of interviewing in information gathering, research and helping relationships. Attention given to developing skills in communication across cultural, social, economic and age barriers. (Formerly SSI 429.)

HUS 5224 (HUS 526) INTERVENTION TECHNIQUES
PR: HUS 326 or CI. Attention will be given to techniques of intervention at individual, small group, and community levels. The need for crisis intervention program in modern society. (Formerly SSI 526.)

INTERDISCIPLINARY LANGUAGE-LITERATURE (LLI)

LIS 2001 (LLI 200) USE OF THE LIBRARY
An introduction to the resources of the University of South Florida Library. Emphasis will be placed on library materials germane to the course work of the undergraduate. (S/U only.)
ENG 3930 (LLI 383) SELECTED TOPICS (3-5)
Course contents depend on student’s need and instructor’s interest. Agreement with instructor required prior to registration.

LIBERAL STUDIES (ALA)

Director: J. B. Camp, Associate Professor.

--- (ALA 301) STRUCTURES OF KNOWLEDGE AND KNOWING (4)
The distinctive modalities of human knowledge and consciousness as reflected in the classic distinctions between: sensory/motor, qualitative/quantitative, logical/mathematical, normative/descriptive, ethical/physical, substance/function, etc., apart and in relation to non-rational knowledge.

--- (ALA 311) PROGRESS AND UTOPIA (4)
Examination of the modern backgrounds of contemporary awareness: particularly the development of historical awareness of ourselves as scientifically, technologically, and sociologically “progressive” — in relation to both utopic and dystopic futures.

LINGUISTICS (LIN)


LIN 3010 (LIN 301) INTRODUCTION TO LINGUISTICS (4)
Introduction to the basic principles of linguistic science: phonological and grammatical analysis and description; language change and genetic relationships. (Note: One section of LIN 301 is for Anthropology majors and requires ANT 201 as a prerequisite.)

LIN 3801 (LIN 321) LANGUAGE AND MEANING (4)
A survey introduction for non-specialists to the basic principles of semantic and the way language conveys ideas.

LIN 4010 (LIN 401) DESCRIPTIVE LINGUISTICS (4)
PR: LIN 301, ENG 475, or CI. Introduction to the basic techniques of formalizing linguistic descriptions through elementary phonological, morphological, and syntactic data-solution problems drawn from a variety of languages. Both taxonomic and generative analyses and descriptions will be developed and compared.

LIN 4300 (LIN 431) INTRODUCTION TO SOCIOLINGUISTICS (4)
PR: LIN 301 or ENG 475. An analysis of the interrelation of a language and the structure of the society using it. The linguistic behavior patterns characteristic of particular social, political, economic, educational, and racial groups. Problems in communication between strata. (Formerly LIN 541.)

LIN 4701 (LIN 441) PSYCHOLOGICALINGUISTICS (4)
PR: LIN 301 or ENG 475. The nature of linguistic structure and its correlates in behavior and perception. Examination of the hypotheses of Whorf, Chomsky, and others. (Formerly LIN 540.)

LIN 4930 (LIN 483) SELECTED TOPICS (3-5)
PR: CI. Course content depends upon student’s needs and instructor’s interest and may range over the entire field of linguistics.

ENG 5934 (LLI 583) SELECTED TOPICS (2-5)
Course contents depend on student’s need and instructor’s interest. Agreement with instructor required prior to registration.

--- (ALA 313) FREEDOM AND THE SELF (4)
Analysis of the notion of the self in relation to the idea of freedom, involving comparative treatment of the variety of standpoint’s of conceiving the individual personality in relation to the social context.

--- (ALA 483) SELECTED TOPICS (2-5)
Course content determined by student’s and instructor’s interest and need.

--- (ALA 491) SEMINAR: MAN AND NATURE (4)
PR: Senior standing or CI. Examination of aspects of contemporary theories of nature and man deriving in the liberal arts, to the purpose of developing a general assessment of contemporary knowledge and methods of knowing.

LIN 4903 (LIN 485) DIRECTED READING (3-5)
PR: CI. Readings in special topics. Must be arranged prior to registration.

LIN 6001 (LIN 600) INTRODUCTION TO GRADUATE STUDY IN LINGUISTICS (2)
Required of all M.A. candidates. An introduction to the aims and methodology of linguistics as a graduate discipline: the field of linguistics and its relationship to adjacent arts and sciences; bibliographical resources; methods of research; and a brief survey of the historical development of linguistics and current issues in the field.

LIN 6380 (LIN 601) SYNTACTIC DESCRIPTION (4)
Analysis of syntactic descriptions of various languages through data-solution problems in co-occurrence relations, agreement, permutation, conjoining, and embedding. Feature grammars and other models are discussed.

LIN 6240 (LIN 602) PHONOLOGICAL DESCRIPTION (4)
Analysis of the phonological component of a grammar, its role and formal structures. The generative model is compared to taxonomic descriptions. Theory and data-solution problems.

LIN 6128 (LIN 611) HISTORICAL LINGUISTICS (4)
An advanced survey of the principles and methodology of historical linguistics.

LIN 6146 (LIN 612) COMPARATIVE LINGUISTICS (4)
The principles and methodology of comparative linguistics, focusing upon a major Indo-European subfamily, such as Romance, Germanic, or Balto-Slavic.

LIN 6820 (LIN 621) STUDIES IN SEMANTICS (4)
Selected problems in the area meaning and the relationship between linguistic structure and cognition. Mappings of presupposition, kinship fields, emotive concepts, and other problems are surveyed. Theories such as Fodor-Katz-Chomsky, Ross-Lakoff-McCawley, and others are contrasted.

LIN 6377 (LIN 623) THE STRUCTURE OF A SPECIFIC LANGUAGE (4)
A linguistic examination of the phonological, morphological, and syntactic structures of both common and uncommon languages, such as Arabic, German, Mikasuki, Seneca, Swahili, and Russian, etc. No prior knowledge of uncommonly-taught or unwritten languages is presumed on the part of the student (e.g., Mikasuki, Seneca, Swahili). However, when the course focuses upon a regularly-taught major world language (e.g.,
French, German, Russian, Spanish, etc.), an elementary knowledge of that language will be presumed on the part of the student. May be repeated up to ten credit hours with change in content/title.

LIN 6117 (LIN 625) HISTORY OF LINGUISTIC THOUGHT
Survey of the development of language study in the West from Antiquity to the present: Classical and medieval theories of language; origins of traditional grammar; rationalist linguistic theory and philosophical grammar, and an examination of the origin of contemporary linguistic controversies. (Formerly LIN 511.)

PHI 6226 (LIN 626) LANGUAGE AND NATURE
A study of the development of language as an instrument for ordering human consciousness in terms of European ideas of Nature, with special emphasis upon the dialectic, relational, and popular modalities of conceptual representation. (Formerly PHI 610.)

PHI 6228 (LIN 627) LANGUAGE AND LIMIT
Introduction to the principles of the logic of natural languages including semantic analysis of logical relations between selected syntactic structures (active/passive, raising, case relations, etc.): logical dominance in semantic structure; applications of logic to questions of linguistic meta-theory. (Formerly PHI 620.)

LIN 6425 (LIN 631) FORMAL STYLISTICS
Studies in the relationship between the development of language study and literary criticism; developments in modern linguistic theory and their application to problems of aesthetics, literary structure, and style.

LIN 6435 (LIN 633) FIELD METHODS
PR: LIN 401 and SPE 503. An introduction to the techniques of gathering language data in the field and to making an analysis of such data. Native informants are brought on campus to replicate the field experience: students will become familiar with equipment and tools used by linguists in the field. (Formerly LIN 530.)

LIN 6810 (LIN 635) SEMIOTICS
PR: CI. Introduction to kinesics and paralinguistics: the linguistic structure of gesture, proxemics, and other significant areas of non-verbal communication and signaling behavior. (Formerly LIN 543.)

LIN 6601 (LI 639) SOCIOLINGUISTICS
Detailed analysis of the phenomenon of language variation with emphasis upon the research methodology of socio-linguistics and the implications of its finding for current linguistic theory. (Formerly LIN 540.)

LIN 6715 (LIN 645) DEVELOPMENTAL PSYCHOLINGUISTICS
PR: LIN 301, ENG 475, or CI. A survey of current research and theory in the processes of normal language acquisition and development. (Formerly LIN 545.)

LIN 6139 (LIN 661) TOPICS IN THEORETICAL LINGUISTICS
Offerings will include current issues in any area of linguistic theory.

LIN 6407 (LIN 671) APPLIED LINGUISTICS
Analysis of the phonological, morphological and syntactic features of English as a basis for linguistic application to problems of English language acquisition by non-native speakers. (Formerly LIN 641.)

LIN 6110 (LIN 681) DIRECTED RESEARCH
PR: GR. Master's level. Repeatable. (S/U only)

LIN 6932 (LIN 683) SELECTED TOPICS
Content will depend upon instructor's interests and student's needs. Such topics as computational and mathematical linguistics, biolinguistics, dialectology and linguistic geography, and pidgins and creoles may be treated, as well as the study of the structures of languages not ordinarily taught.

LIN 6940 (LIN 694) GRADUATE INSTRUCTION METHODS
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

——— (LIN 697) INDEPENDENT STUDY
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

LIN 6971 (LIN 699) THESIS: MASTER'S
Repeatable. (S/U only.)

MANAGEMENT (MAN)


MAN 3010 (MAN 301) PRINCIPLES OF MANAGEMENT
Study of the fundamentals of management, integrating the classical, behavioral, and management science approaches into an organized system of concepts and practices.

MAN 3810 (MAN 312) INTRODUCTION TO MANAGEMENT SCIENCE
A survey of management science techniques and their application to problem solving and decision making.

MAN 3150 (MAN 322) ORGANIZATIONAL BEHAVIOR ANALYSIS
A survey of the behavioral and research literature in the behavioral and social sciences relevant to organizational functioning. Emphasis will be placed on the role of the individual, the group and inter-group relations in organizational settings and the impact of managerial environments on organizational behavior and change. Two hours lecture, two hours management problem laboratory.

MAN 3401 (MAN 332) INDUSTRIAL RELATIONS
A conceptualization of the administrative problems arising from unionization. Emphasis on the relationships between management and employee representatives in private and public employment, and on the historical and legal framework of industrial relations.

MAN 3301 (MAN 341) PERSONNEL MANAGEMENT
Systematic analysis of major functions in personnel, including manpower planning, recruiting, selection, job evaluation, performance appraisal, wage and salary, incentives, training and development, etc., emphasizing the role of the individual in the organization.

MAN 4503 (MAN 421) OPERATIONS MANAGEMENT: A SYSTEMS APPROACH
A systems approach to the study of effective operations management tools and concepts. Computerized approaches to problem solving are introduced and an emphasis is placed on interpretation of output for decision making purposes. A knowledge of the basic tools and techniques of management science is required.

MAN 4201 (MAN 431) ADVANCED ORGANIZATIONAL BEHAVIOR ANALYSIS
Methods of analyzing complex organizational functioning and performance will be studied using selected behavioral models. This course assumes a familiarity with the literature in the field of organizational behavior and its general implications for
MANAGEMENT

MAN 4770 (MAN 441) ENTREPRENEURSHIP AND SMALL BUSINESS MANAGEMENT (4)
PR: ACC 201, ACC 202, MKT 301; or CI. Study of the factors involved in starting and managing a small to medium-size business. Emphasis on conduct of pre-business feasibility study, selection of business field and organization structure, and successful management of marketing, personnel, production, accounting, finance, and related areas.

MAN 4776 (MAN 442) SMALL BUSINESS MANAGEMENT COUNSELING (4)
PR: MAN 441 or CI. Application of various aspects of business administration in analyzing strengths and weakness of an on-going small business. Development of recommendations for improvement and initiation of steps to assist business principal 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.

MAN 4120 (MAN 451) MANAGERIAL BEHAVIORAL LABORATORY (3)
The development of first hand understanding of the personal, inter-personal and inter-group factors involved in social interaction. A general knowledge of the literature in the field of organizational behavior and social psychology is assumed. One hour lecture and two hours behavior dynamics laboratory.

MAN 4210 (MAN 453) CHANGING ORGANIZATIONS (3)
The central unifying concept is the role of the Change Agent. Theory and research related to social-organizational change and resistance to change is considered along with its implications for the design of conditions and their differential effects on organizational climate. A knowledge of the literature in organizational and social behavior is necessary. Lecture and management laboratory.

MAN 4710 (MAN 461) LABOR RELATIONS LAW (3)
A survey of the various legal constraints applicable to labor-management relations. Includes practice in use of library resources for discovering statutes, cases or administrative rulings. This course assumes a general understanding of the organizations of management and union, the role of each in collective bargaining, and traditional methods for resolving industrial conflict. One and one-half hours lecture, one and one half hours case analysis and research.

MAN 4430 (MAN 463) SEMINAR IN NEGOTIATION AND ADMINISTRATION OF LABOR AGREEMENTS (3)
An application of industrial relations theory to cases provided by the instructor. Includes exercises in contract negotiation, administration, grievance settlement, and arbitration. This course assumes a general understanding of the organizations of management and union, the role of each in collective bargaining, and traditional methods for resolving industrial conflict. Three hours laboratory under supervision of instructor.

MAN 4125 (MAN 465) LABORATORY IN THE RESOLUTION OF GROUP CONFLICT (3)
An application of conflict resolution theory to a variety of social settings, including industrial and governmental organizations and inter-racial conflict. This course assumes a general understanding of inter-personal and group behavior. Three hours laboratory under the supervision of instructor.

QMB 4600 (MAN 471) MANAGEMENT SCIENCE APPLICATIONS (3)
A study of the application of management science models to typical organizational problems. Emphasis is on (1) problem formulation (2) data collection and (3) interpretation and implementation of solutions. A laboratory using decision science problems of organizations is a major part of this course. A knowledge of the basic tools and techniques of management science is required.

QMB 4654 (MAN 472) MANAGEMENT SCIENCE MODELS (3)
A study of the theoretical basis of various management science models. These include linear, integer, dynamic, quadratic and geometric programming; plus, gradient methods and branch and bound. A knowledge of the basic tools and techniques of management science is required.

QMB 4703 (MAN 473) SIMULATION AND MODELING TECHNIQUES (3)
A study of manual and computer simulation techniques and their application to problem solving in management (behavioral and quantitative). Knowledge of a computer language and the basic tools and techniques of management science is advised.

MAN 4931 (MAN 481) INDEPENDENT RESEARCH (1-5)
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 10 hours.

MAN 4930 (MAN 483) SELECTED TOPICS IN MANAGEMENT (1-5)
PR: CI. Topics to be selected by instructor and department chairperson for pertinent Management issues.

MAN 497 (MAN 497) INDEPENDENT STUDY (1-4)
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 8 credit hours. (S/U only.)

MAN 4930 (MAN 499) INTEGRATIVE SEMINAR IN MANAGEMENT (3)
PR: One of the following group: MAN 312, MAN 322, MAN 332; and two additional upper level MAN courses, and senior standing; or CI. A capstone course intended to integrate the concepts, generalizations, principles, and skills learned separately in previous, more specialized courses in Management and Administration. Emphasis, decision-making, action planning, and implementation.

MAN 5051 (MAN 501) SURVEY OF MANAGEMENT (3)
A background-building course for senior undergraduates or beginning graduate students who require additional background in any course area. Modules will be offered in behavioral, quantitative and industrial relations areas.

MAN 5725 (MAN 572) URBAN MANAGEMENT (3)
A problem-oriented course dealing with an analysis of a modern urban environment and urban management systems. Urban managers may participate in the seminar and significant urban problems will be used as vehicles for instruction. These will include the development of a management information system for making land use decisions and the planning and evaluation of community development programs.

MAN 6156 (MAN 601) MANAGEMENT OF ORGANIZATIONAL BEHAVIOR (3)
A survey course emphasizing the applications of theory and research in behavioral and social sciences to the practice of management. Topics include the determinants of behavior in complex organizations, the impact of work environments on employees, organization diagnosis and change using field data wherever possible.

QMB 6652 (MAN 602) ADMINISTRATIVE DECISION PROCESSES (3)
PR: GBA 603 and GBA 605. A survey of the development and implementation of systematic decision processes in organizations. The course analyzes the application of Management Science and Operations Management techniques to problem solving in organizations.
MAN 6135 (MAN 603) MANAGEMENT OF COMMUNICATIONS (3)
The analysis, organization and presentation of verbal and written communications and reports. Students will select and define a problem area, construct an annotated bibliography in that area, develop a research design for collection and analysis of appropriate data, and write a report on the proposed program in a form acceptable to the organizational and academic community. This work should represent a first step in selecting and developing a thesis. (MAN 699).

MAN 6851 (MAN 604) SIMULATION OF ADMINISTRATIVE SYSTEMS (3)
A study of manual and computer simulation techniques and their application to administrative problem solving. The course emphasizes: model design and construction; data collection and analysis; model testing and implementation problems. A computer language, such as GPSS or SIM-SCRIPT, is used for model construction.

QMB 6651 (MAN 606) QUANTITATIVE ANALYSIS OF MANAGEMENT DECISIONS (1-3)
A study of the development and application of Operations Research tools for administrative problem solving. Using a decision science lab and case approach, the course emphasizes: systematic data collection for problem analysis; identification of appropriate tools for various types of problems; implementation difficulties; and, analysis and interpretation of results.

MAN 6409 (MAN 607) MANAGEMENT OF CONFLICT (1-3)
A survey of the literature on social conflict with emphasis on the causes of conflict within and between various types of organizations. The course will examine and evaluate traditional, as well as, innovative techniques for the resolution of conflict.

MAN 6569 (MAN 608) THE MANAGEMENT OF OPERATIONS (1-3)
A study of the development of systematic planning and control systems at the operational level in organizations. Topics include, but are not limited to: quality control, materials management, cost control, work measurement and work flows, inventory management, production control, and project management and control.

MAN 6107 (MAN 609) MANAGERIAL BEHAVIOR (3)
A laboratory approach to the understanding of patterns of interpersonal and inter-group behavior which are significant for the managerial role. Topics include perception expectation, motivation, defenses, conformity—deviation, status, anxiety, behavior control, self development, leadership styles, efficient utilization of time, and a critical analysis of current procedures used for manager development.

QMB 6691 (MAN 610) COMPUTERS AND MANAGEMENT: THE EXECUTIVE VIEWPOINT (1-3)
A study of the use and impact of computers in modern organizations. The course emphasizes: current practices and future trends; the extended use of computers for broader planning and decision making systems; the development of Data Based Management Systems and MIS; and, the behavioral problems associated with computerization. Students desiring "hands-on" computer experience may request for an additional special topics course to be taken concurrently with this course.

MAN 6206 (MAN 611) ORGANIZATIONAL THEORY AND ITS IMPLICATIONS FOR THE MANAGER (1-3)
The course covers the major theories of organization and a comparative analysis of the differential options these theories provide for managerial strategy. It deals with the design of managerial environments for accomplishing different goals, the research literature in this field and the implication of this research for prediction and design of environmental change.

MAN 6219 (MAN 613) THE MANAGEMENT OF ORGANIZATIONAL CHANGE (1-3)
An experiential learning course utilizing real data from profit and not-for-profit organizations. The course is designed to provide students with direct experience in the systematic planning, implementation and control of change. By actually collecting and analyzing real data each student develops an operationally viable model for the changes inevitable in any ongoing organization.

MAN 6405 (MAN 614) LABOR RELATIONS LAW (3)
A survey of the various legal constraints applicable to the employer-employee relationship. Included are such areas as collective bargaining, civil rights, and fair labor standards. (Also offered as ECN 614.)

MAN 6797 (MAN 615) THE PRACTICE OF MANAGEMENT (1-4)
The course offers the student the opportunity to focus on an overall organization and to gain an understanding of the interaction between various components which the manager must integrate—the economic, financial, social, political, and technological. The aim is to provide students with experience in integrative skills through organizational design, planning and control, communication and leadership. To be taken during the last two quarters of study; preferably the final quarter.

MAN 6085 (MAN 621) MANPOWER MANAGEMENT (3)
A study of the major factors involved in the development of an effective manpower management strategy; including manpower planning, selection, organization and job design, performance of evaluation, career advancement, employer benefits, rights and compensation. Emphasis is on an open-system view recognizing the need to operate within the complex external legal and societal environment while reducing internal conflict.

MAN 6061 (MAN 622) PLANNING, CONTROL AND HUMANISM IN MANAGEMENT (4)
A study of an increasing dilemma which is central to the role of all those in supervisory or managerial roles—the conflict between the need to exercise increasingly efficient controls through behavior, planning and budgets and the need for more humanistic management. The dilemma will be considered in a framework of stages of organizational development showing how stages occur in a particular order, how control is managed at each stage and how the conflict between control and humanism decreases with progression. Methods for accomplishing more rapid organizational progression through stages will be presented.

MAN 6911 (MAN 681) DIRECTED RESEARCH (var.)
PR: GR. Master's level. Repeatable. (S/U only.)

MAN 6930 (MAN 683) SELECTED TOPICS (1-6)
This course is designed to be taken either: in a tutorial format under the general guidance of a faculty member on some facet of management not regularly offered in a regular course; or, in conjunction with any regularly scheduled graduate course where a more indepth study of the subject is mutually deemed to be beneficial to the student's program. Topics would include, but not limited to: management of health care, managing governmental systems, managing educational systems, entrepreneurial management, managing not-for-profit organizations, managing motivation development. May be taken for credit providing topic selected is different.

— (MAN 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

MAN 6971 (MAN 699) THESIS: MASTER'S (var.)
Repeatable. (S/U only.)
MARINE SCIENCE (MSC)


OCE 3001 (MSC 311) INTRODUCTION TO OCEANOGRAPHY (3)
Topics in biological chemical, geological and physical oceanography presented in lectures by a number of specialists in these fields.

OCE 5085 (MSC 511) MARINE POLICY (3)
PR: MSC 311 or CI. Course explores marine problems and their impact on society. Topics of interest include financing and organization of marine science; regulation (local, state, and Federal) of uses of marine waterways, and the sea; political, social, and legal problems associated with marine pollution and the recovery and development of marine resources; conservation and public decision-making in the marine sphere.

ZOO 5456 (MSC 519) ICHTHYLOGY (5)
PR: CI or senior or graduate status: BIO 201-203, BIO 465 (helpful), ZOO 311 (helpful). The evolution, systematics, and ecology of fishes. (Also offered as ZOO 519.)

OCC 5050 (MSC 521) CHEMICAL OCEANOGRAPHY (4)
PR: CHM 213 and CI. The ocean as a chemical system, including composition, physical-chemical aspects, role of nutrients, trace metals, interaction between bottom and overlying water, modern methods of analysis in routine use in oceanography. Lec-lab.

OCC 5050 (MSC 531) GEOLOGICAL OCEANOGRAPHY (4)
PR: Graduate standing or CI. An introduction to the physical, historical sedimentary, and structural geology of the ocean basins and their borders. Lec-lab.

OCP 5051 (MSC 541) PHYSICAL OCEANOGRAPHY (4)
PR: Graduate standing or CI, PHY 305. The world ocean including its morphology, physical properties, currents, waves, tides, heat budget, and related topics. Lec-lab.

OCB 5050 (MSC 551) BIOLOGICAL OCEANOGRAPHY (4)
PR: Graduate standing or CI, BIO 201-203. The study of life in the sea with special reference to distribution, reproduction, adaptation, competition, and populations. Lec-lab. For students who have not majored in a biological science.

OCE 5934 (MSC 583) SELECTED TOPICS IN OCEANOGRAPHY (1-4)
PR: CI. Special topics in biological, chemical, geological, and physical oceanography.

EOC 6080 (MSC 610) SCIENTIST-IN-THE-SEA, I, HYPERBARIC OPERATIONS (4)
PR: CI and diver certification (NAVI or equiv.). Basic principles, physiology, and psychology involved in submarine hyperbaric operations, inside and outside habitats. Lec-lab. (Also listed as EGB 610.)

EOC 6081 (MSC 611) SCIENTIST-IN-THE-SEA II, MARINE SCIENCES (4)
PR: CI and diver certification (NAVI or equiv.) Research equipment and techniques for underwater work in oceanography presented by practicing research workers in the field. Lec-lab. (Also listed as EGB 611.)

EOC 6082 (MSC 612) SCIENTIST-IN-THE-SEA III, UNDERWATER ENGINEERING (4)
PR: CI and diver certification (NAVI or equiv.). The ocean as a constraint for construction and devices. Factors involved in planning and design of underwater operations and experimental devices. Lec-lab. (Also listed as EGB 612.)

OCC 6057 (MSC 622) METHODS IN CHEMICAL OCEANOGRAPHY (2)
PR: MSC 521 or CI. An intensive study of the use and limitations of field and laboratory equipment which is a standard part of chemical oceanographic research into the behavior of dissolved and particulate constituents in seawater.

OCP 6075 (MSC 632) METHODS IN GEOLOGICAL OCEANOGRAPHY (2)
PR: MSC 531 or CI. Description and application of the modern techniques of geology and geophysics used to investigate the marine environment. Included in the subject matter are basic remote sensing techniques, sampling problems, seismic profiling, laboratory methods and interrelated data analysis. Lec-lab, field trips.

OCP 6056 (MSC 642) METHODS IN PHYSICAL OCEANOGRAPHY (2)
PR: MSC 541, MTH 501 or equivalent, and CI. Theory of oceanic modeling including classical analytic wind-driven circulation models, thermohaline models, and both explicit and implicit techniques for numerical modeling of circulation, upwelling, tidal velocities, and diffusion.

BOT 6246 (MSC 650) MARINE ALGAL ECOLOGY (3)
PR: BOT 543 or BOT 547 or CI. A consideration of environmental factors that influence the distribution, abundance, and growth of marine algae. (Also listed as BIO 650.)

PCB 6479 (MSC 651) MARINE PLANKTON SYSTEMATICS (4)
PR: ZOO 313. The identification of plankton from different depth zones in the sea and from various oceanic regions. Lec-lab. (Also listed as BIO 651.)

OCC 6671 (MSC 652) METHODS IN BIOLOGICAL OCEANOGRAPHY (2)
PR: CI. To acquaint students with field and laboratory equipment and techniques currently used in biological oceanography. Emphasis will be on field problems especially those requiring research at sea.

BOT 6427 (MSC 653) MARINE PLANKTON ECOLOGY (4)
PR: ZOO 313. The relations and distributions of planktonic organisms as affected by their physical, chemical and biological environments. Lec-lab. (Also listed as BIO 653.)

PCB 6476 (MSC 656) DYNAMICS OF MARINE BENTHIC COMMUNITIES (4)
PR: EGB 204, ZOO 557, or CI. Theoretical approach to the study of benthic communities in fluctuating and constant environments. Methods of analysis of benthic data will be evaluated and discussed. Computer programs will be utilized for analysis wherever possible. Lec-lab.

OCE 6942 (MSC 671) FIELD STUDIES IN MARINE SCIENCE (4)
PR: One of the following: MSC 521, 531, 541, 551, 622, 632, 642, 652, or CI. Combination of class room study with the collection, analysis, and interpretation of field data to attack specific problems in marine science both for deep sea and nearshore environments.

OCE 6972 (MSC 661) DIRECTED RESEARCH (var.)
PR: GR. Master's level. Repeatable. (S/U only.)

OCE 6934 (MSC 683) SELECTED TOPICS IN OCEANOGRAPHY (1-4)
PR: CI. Special topics in biological, chemical, geological, and physical oceanography.

OCE 6939 (MSC 691) GRADUATE SEMINAR IN OCEANOGRAPHY (1)
PR: Graduate standing. May be repeated. (S/U only.)
MARKETING (MKT)


MAR 3023 (MKT 301) BASIC MARKETING (5)
PR: ACC 201, ECN 201; CR: ECN 202 or CI. Survey of the marketing of goods and services within the economy. The integration of functional, commodity, and institutional approaches from the consumer and managerial viewpoints.

MAR 3403 (MKT 311) PRINCIPLES OF SALESMANSHIP AND SALES MANAGEMENT (3)
PR: MKT 301. Personal selling and sales management as basic elements in the marketing strategy of firms. Includes the scientific management of resources and the dynamics of interpersonal and small group behavior and decision processes.

MAR 3401 (MKT 312) ADVERTISING AND SALES PROMOTION (3)
PR: MKT 301. A comprehensive coverage of advertising, sales promotion, techniques, organization, research, and media selection including relationships with other marketing mix components. Consideration given to economic and social aspects of advertising and total promotional strategies.

MAR 3403 (MKT 316) MARKETING MODELS AND MARKETING SYSTEMS (3)
PR: ECN 331, GBA 333, MKT 402. An investigation of the utility of formal, logical, mathematical, and other quantitative methods and models as these might be applied to marketing management.

MAR 4153 (MKT 317) RETAILING MANAGEMENT (3)
PR: MKT 301. A comprehensive analysis of the retailing structure, institutions and environment. Includes pertinent management theories and practices in organizing, planning and controlling retail operations. (Formerly MKT 417.)

MAR 4613 (MKT 321) MARKETING RESEARCH (4)
PR: ECN 331, MKT 301. A study of research methods and techniques applicable to problem solving in marketing. Attention is also given to defining of information needs, determining the value of information, interpreting and reporting information for use in marketing decision making. (Formerly MKT 411.)

MAR 4503 (MKT 325) CONSUMER BEHAVIOR (3)
PR: MKT 301; CR: MKT 321; or CI. An investigation and application of the behavioral factors affecting consumer demand. Consideration given to industrial, governmental and ultimate consumers. (Formerly MKT 413.)

MAR 4213 (MKT 401) MARKETING LOGISTICS (3)
PR: ECN 331, GBA 333, MKT 402, or CI. Analysis of the logistics of marketing systems for firms engaged in the marketing of goods and services. Component parts of each system are studied and analytical tools are presented for selecting those alternatives which will attain the goals of the firm.

MAR 3203 (MKT 402) MARKETING INSTITUTIONS AND CHANNELS (4)
PR: MKT 301. A detailed study of marketing channels as a functional area of marketing management responsibility and as a part of marketing strategy. Attention given to wholesaling and retailing and their structural, dynamic interrelationships including distribution logistics. (Formerly MKT 315.)

MAR 4353 (MKT 403) PUBLIC RELATIONS AND THE MARKETING PROCESS (3)
PR: MKT 312, MKT 325, or CI. Principles, practices, and problems in public relations as an integrated part of and supplement to marketing management responsibilities and decisions.

MAR 4453 (MKT 405) INDUSTRIAL MARKETING (3)
PR: MKT 311, MKT 402, or CI. Problems of marketing industrial goods. Characteristics of markets, channels, industrial sales, promotional practices, research and marketing policies.

MAR 4434 (MKT 407) MANAGEMENT OF ADVERTISING AND SALES PROMOTION (3)
PR: MKT 312, MKT 325, or CI. Discussion and analysis of cases bearing on managerial aspects of advertising and sales promotion including research, budget determination, strategy, tactics, and evaluation of results.

MAR 4243 (MKT 409) INTERNATIONAL MARKETING (3)
PR: MKT 301. A study of the procedures and problems associated with establishing marketing operations in foreign countries. The institutions, principles and methods involved in the solution of these business problems will be treated as well as effects of national differences on business practices.

MAR 4504 (MKT 414) SEMINAR IN APPLIED STUDIES IN MARKETING (3)
PR: MKT 325 and 3 other MKT Courses at 400 level, and CI. Independent study contract with instructor and department chairperson required. The research project will be mutually determined between the student and instructor. May be repeated up to 10 hours.

MAR 4533 (MKT 483) SELECTED TOPICS IN MARKETING (1-5)
PR: CI. Topics to be selected by instructor and department chairperson.

(MKT 497) INDEPENDENT STUDY (1-4)
PR: CI. Specialized independent study determined by the students' needs and interests. May be repeated up to 8 credit hours. (S/U only.)

MAR 5055 (MKT 501) SURVEY OF MARKETING (3)
PR: ECN 501. A critical analysis of the field of marketing including aspects of marketing policies, institutions, research, and trends. Special emphasis is given to product development, pricing strategy, channel selection, and promotion as a basis for marketing management decisions. Assigned readings, discussions, and reports.

MAR 6706 (MKT 601) ADVANCED MARKETING PROBLEMS (3)
PR: MKT 301, or 501 or equivalent; MKT 602; ECN 201-202 or 501-502 or equivalent; or CI. A study of the marketing problems of the firm approached from a management point of view. Emphasis is placed upon the development of the students' ability to analyze marketing situations, identify problems, determine solutions, implement corrective action, and plan marketing strategy.

OCE 6971 (MSC 699) THESIS: MASTER'S (var.)
Repeatable. (S/U only.)

The second number (in parentheses) is the USF Course Number
MAR 6708 (MKT 602) ANALYSIS FOR MARKETING MANAGEMENT
PR: MKT 301 or 501 or equivalent; GBA 603, GBA 605, or CI.
The use of quantitative techniques and analytical concepts in marketing decision making; marketing research, model building and simulation; selected statistical decision techniques and computer applications.

MAR 6939 (MKT 603) SEMINAR IN MARKETING
PR: MKT 301 or 501; ECN 601, 605. The study of contemporary marketing thought, advanced marketing concepts, and recent developments in the field of marketing. Readings, discussions, and individual investigation.

MAR 6506 (MKT 605) BEHAVIORAL CONCEPTS IN MARKETING DECISION MAKING
PR: MKT 601 or CI. The application and techniques of the behavioral sciences to the understanding and improvement of the marketing process and decision making concerning consumer behavior.

MAR 6346 (MKT 607) SEMINAR IN PROMOTIONAL POLICY AND STRATEGY
PR: MKT 605 or CI. An analysis of theories and practices of advertising, selling and sales management, and sales promotion as they relate to the total marketing program of firms. Emphasis upon the coordination of promotional policy and strategy.

MAR 6216 (MKT 609) MARKETING CHANNELS AND PHYSICAL DISTRIBUTION MANAGEMENT
PR: MKT 602, MKT 605, or CI. An analysis of the development of integrated distribution systems. Channel alternatives, including the institutions involved and physical flow, as a part of marketing strategy.

MAR 6616 (MKT 611) MARKETING RESEARCH AND INFORMATION SYSTEMS
PR: MKT 602, GBA 603, GBA 605, or CI. A study of the marketing research process, methods and techniques and the need and applicability of information systems.

MAR 6916 (MKT 681) DIRECTED RESEARCH
PR: GR. Master's level. Repeatable. (S/U only.)

MAR 6936 (MKT 683) SELECTED TOPICS IN MARKETING
PR: CC. The content and organization of this course will vary according to the interests of the faculty and students involved in any given term. Repeatable to a maximum of six hours.

MKT 697 (var.) INDEPENDENT STUDY
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

MASS COMMUNICATIONS (COM)

MMC 3000 (COM 300) SURVEY OF MASS COMMUNICATIONS
The functions of agencies of mass communication and their impact upon society; critical analysis of press performance in relation to current events; evaluation of the press through a study of its history. Not open for credit to Mass Communications majors.

MMC 3700 (COM 301) THE POPULAR ARTS IN AMERICA
A survey of the growth of the popular arts (motion pictures, radio, television, art best sellers, jazz and other forms of music, the comics, etc.) as mirrors, transmitters and transformers of American cultural values.

MMC 3100 (COM 302) WRITING FOR THE MASS MEDIA
PR: Sophomore standing; 2.5 GPR; grade of "C" in English 101, 102, 103; typing proficiency. An introduction to the basic skills of writing for the mass media with practice in library research, persuasive writing, and informational writing.

MMC 3602 (COM 303) MASS COMMUNICATIONS AND SOCIETY
PR: Sophomore standing; 2.5 GPR; grade of "C" in English 101, 102, 103; typing proficiency. A survey of the history, theory, processes, and philosophy of mass communications and the mass media in the United States, and their relationship to the other major institutions of American society.

ADV 3000 (COM 311) INTRODUCTION TO ADVERTISING
PR: COM 302 and COM 303. A study of the structures, functions, and persuasive language of advertising in mass media with attention to social, political, economic and legal aspects.

ADV 3302 (COM 312) ADVERTISING MEDIA STRATEGY
PR: COM 311 or CI. Problems, techniques, strategy of media research, planning, budgeting and effective utilization in advertising.

ADV 3101 (COM 313) ADVERTISING COPY
PR: ECN 100 or ECN 201, MKT 301, COM 311 or CI. Study and laboratory experience in preparation of advertising copy for newspapers, magazines, radio, television, direct mail, outdoor displays and special items.

ADV 3103 (COM 314) RADIO-TELEVISION ADVERTISING
PR: COM 311 or CI. An intensive study and analysis of radio and television for advertising purposes, including copywriting, script and storyboard preparation, time buying and selling techniques, audience research methods, and basic production concepts.

JOU 2006 (COM 320) MAGAZINES IN SOCIETY
PR: COM 302 and COM 303. A study of the development of various types of magazines in America, and a critical analysis of current problems and performance of periodicals along with changes indicated for the future.

JOU 3300 (COM 321) MAGAZINE ARTICLE AND FEATURE WRITING
PR: COM 330, ENG 351, or CI. Planning, researching, writing and marketing articles for general and special interest magazines and newspaper magazine supplements; experience in developing article ideas; inductive analysis of contemporary magazine articles.

JOU 3203 (COM 325) MAGAZINE EDITING
PR: COM 321 or CI. Comparative study of types of magazines and business papers as to objectives and content; planning to meet magazine objectives and reading interest; article and photograph selection and preparation for printing; use of research methods in planning and evaluation; ethical and legal problems of the editor.

JOU 3100 (COM 330) BEGINNING REPORTING
PR: COM 302 and COM 303. Basic instruction in news judgment, sources of news, newsgathering and newswriting techniques. Typing ability is required.

JOU 3101 (COM 331) ADVANCED REPORTING
PR: COM 330. Getting information and writing the more complex and specialized story, techniques of investigative and analytical reporting, including ethical and legal considerations.

JOU 3306 (COM 334) CRITICAL WRITING: EDITORIALS, REVIEWS, COLUMNIST
PR: COM 331, COM 433. Interpretive and opinion writing for
The second number (in parentheses) is the USF Course Number

MASS COMMUNICATIONS 221

The mass media. Analysis and discussion of current events as a basis for critical thinking and editorial writing; evaluation of editorial techniques involved in writing art, drama, music and book reviews and satire, sports or personal columns.

JOU 3940 (COM 337) REPORTING PRACTICUM (1-2)
PR: COM 435 and CI. For selected News-Editorial Sequence majors. Practical experience outside the classroom in a live newspaper reporting situation where the student works for academic credit under the tutelage of a professional practitioner.

PUR 3000 (COM 341) PRINCIPLES OF PUBLIC RELATIONS (4)
PR: COM 302 and COM 303. The functions of public relations within corporate and institutional structures; ethical standards of practice, and relationships of the practice to the public media and other modes of contemporary communication.

ENG 3130 (COM 351) LITERATURE AND THE FILM (3)
PR: ENG 102. A study of what happens when a novel is adapted for the movies; of the insights of modern writers and literary critics into the motion picture as an art form analogous to, yet distinct from, literature and of the impact of literature on film-making. Not open for credit to COM majors.

FIL 3502 (COM 352) PHILOSOPHY AND THE FILM (3)
A study of the philosophical implications of the motion picture as an art form; esthetics in general versus film esthetics; the connection between the world views of such modern philosophers as Bergson, Whitehead, and Bradley, and the world view expressed through the motion picture; the connections between "pure ideas," the ideas in the documentary film and the ideas in the fictional film. Not open for credit to COM majors.

FIL 3100 (COM 353) INTRODUCTION TO FILM WRITING (4)
PR: FILM 354 or CI. An introduction to the techniques of writing for the film employing adaptations from fiction and examinations of scripts as models and as subjects for critical analysis. Special emphasis on learning the Language of the Camera.

FIL 3004 (COM 354) THE FILM AS MASS COMMUNICATION I: SYNTAX (4)
PR: COM 302 and COM 303. The language, conventions, elements and patterns of the film medium as related to current models of effective mass communication and new theories of non-verbal communication. Concurrent laboratory experiences in control of light and line.

FIL 3200 (COM 355) THE FILM AS MASS COMMUNICATION II: RHETORIC AND STYLISTICS (4)
PR: FILM 354. A continuation of FILM 354 to include the effective arrangements of scenes and sequences in motion picture and television films. Concurrent laboratory experiences in sound and editing.

FIL 3201 (COM 356) THE FILM AS MASS COMMUNICATION III: WORKSHOP (4)
PR: FILM 355. Practical exercises, demonstrations and experiences in applying material covered in FILM 354 and 355.

FIL 3401 (COM 357) CLASSICS OF THE SILENT FILM (4)
Examples of the silent film studies from social, intellectual, historical, and artistic points of view.

FIL 3402 (COM 358) CLASSICS OF THE SOUND FILM (4)
Examples of the sound film studies from social, intellectual, historical, and artistic points of view.

RTV 3000 (COM 361) INTRODUCTION TO BROADCASTING (4)
PR: COM 302 and COM 303. A survey of the organization, structure, and function of the broadcasting industry. (Formerly SPE 241.)

RTV 3300 (COM 362) BROADCAST NEWS (4)
PR: COM 330, COM 361. The study and methods in gathering, writing and editing newscasts for radio and television. (Formerly COM 335.)

RTV 3320 (COM 363) BROADCAST ANNOUNCING (4)
PR: COM 361. Development of skills required for effective announcing and other appearances before microphone and camera. (Formerly SPE 343.)

RTV 3210 (COM 364) RADIO PRODUCTION AND DIRECTION (4)
PR: COM 361. Radio production and direction; laboratory and broadcast experiences. (Formerly SPE 347.)

RTV 3941 (COM 367) RADIO PRACTICUM (1-2)
PR: COM 364 and CI. The study, rehearsal, and production of radio programs and materials. (Formerly SPE 348.)

RTV 3100 (COM 368) WRITING FOR RADIO AND TV (4)
PR: COM 361. The writing of radio and television scripts such as documentaries, children's programs, commercials, dramas, talks and demonstrations. (Formerly SPE 349.)

VIC 3000 (COM 370) INTRODUCTION TO VISUAL COMMUNICATIONS (4)
PR: COM 302 and COM 303. The survey of visual communication theory, history, contemporary application and social influences. Emphasis will be on still photography, motion pictures, video taping and graphics as applied to the media.

VIC 3100 (COM 371) PHOTOJOURNALISM I (4)
PR: COM 302 and COM 303. Camera operation, darkroom techniques, picture composition; editing, ethics, history and laws in connection with photojournalism.

VIC 3102 (COM 372) PHOTOJOURNALISM II (4)
PR: COM 371 or CI. Advanced processes and practice of photography for publication. Content includes advanced camera and laboratory techniques, publication requirements and theory of photochemical color separation used in magazine and newspapers. Emphasis is placed on student production.

JOU 3205 (COM 375) TYPOGRAPHY I (4)
PR: COM 302 and COM 303. The history and design of type, major classifications of type faces, typographic nomenclature, printer's measurements and the science of type design and identification. Laboratory work.

JOU 3206 (COM 376) TYPOGRAPHY II (4)
PR: COM 375 or CI. A study of the history of typesetting, the emergence of computers and coldtype composition; extensive study and use of copyfitting methods for body type, display, and headlines; principles of typography and photocomposition including readability and legibility. Laboratory work.

MMC 3936 (COM 383) SELECTED TOPICS IN MASS COMMUNICATION STUDIES (1-4)
Courses designed to meet current or specific topics of interest to the instructor and students.

MMC 4300 (COM 400) INTERNATIONAL COMMUNICATION (4)
Mass communications as internal and international systems; flow of the news; international news communications networks; satellite communications; overseas activities of American media interests; international propaganda; communication and national development; international media organizations and their activities.

MMC 4200 (COM 403) HISTORY AND PRINCIPLES OF COMMUNICATIONS LAW (4)
PR: COM 302 and COM 303. Historic and Constitutional backgrounds of freedom and control of expression, statutory enactments, major Supreme Court cases, court decisions and administrative rulings which have shaped legal control of communications.

MMC 4201 (COM 405) GOVERNMENT AND THE MEDIA (4)
PR: COM 403. The relationships between government and the media, with emphasis on current activities of such regulatory
agencies as the Federal Communications Commission, the Federal Trade Commission and other commissions; the courts, the Congress and the Executive; examination of media and industry codes and standards.

ADV 4801 (COM 414) ADVERTISING CAMPAIGNS (4)
PR: COM 312, 313. Advanced advertising course requiring planning and production of complete general advertising campaign, including research, production methods, budgeting and media schedules.

ADV 4940 (COM 417) ADVERTISING PRACTICUM (1-2)
PR: Senior standing and CI. For selected Advertising Sequence majors. Practical experience outside the classroom in a live advertising situation where the student works for academic credit under the tutelage of a professional practitioner.

JOU 4208 (COM 425) MAGAZINE PLANNING AND PRODUCTION (4)
PR: COM 325, 371, 375. Research in new magazine design and production techniques; training in the creative use of typography, photography, art work, text in the "area concept"; letterpress and offset production; financial management of magazines; preparation of a detailed dummy for a model magazine.

JOU 4944 (COM 427) MAGAZINE PRACTICUM (2)
PR: Senior standing and CI. For selected Magazine Sequence majors. Practical experience outside the classroom in a live magazine or industrial publication situation where the student works for academic credit under the tutelage of a professional practitioner.

JOU 4200 (COM 433) NEWS EDITING I (4)
PR: COM 330. Evaluating news and its display; editing and rewriting copy for the mass media, with emphasis on the daily newspaper; news judgment, headlines, makeup; ethical problems.

JOU 4202 (COM 434) NEWS EDITING II (4)
PR: COM 433. Continuation of COM 433, with more intensive practice on the copydesk in evaluating, processing, editing and headlining live wire copy and local copy; experimental makeup; managing the copy desk. Current events and analysis of selected daily newspapers.

JOU 4105 (COM 435) PUBLIC AFFAIRS REPORTING (4)
PR: COM 331 or COM 362. Covering city council meetings, courthouse, city hall, courts, society, and other special assignments. Emphasis is on coverage of major governmental units of all levels of government, including examination and interpretation of public documents and records.

JOU 4941 (COM 437) EDITING PRACTICUM (1-2)
PR: Senior standing. COM 434, and CI. For selected News-Editorial Sequence majors. Practical experience outside the classroom at a daily newspaper copydesk, where the student works for academic credit under the tutelage of a professional news editor.

——— (COM 439) SEMINAR: CONTEMPORARY NEWSPAPER PROBLEMS (4)
PR: Senior standing and COM 434, COM 435 or CI. A study of the role of the free press in a democratic society and its efforts to fulfill its social and ethical obligations by analyses and discussions of the problems which face the reporter, the editor, and the publisher. (Formerly COM 539.)

PUR 4100 (COM 441) WRITING FOR PUBLIC RELATIONS (4)
PR: COM 330, 341. Persuasive writing techniques unique to the practice of public relations; application of principles and ethical practices to problem-solving situations drawn from case studies; writing formats used in promotional and publicity literature.

PUR 4700 (COM 447) PUBLIC RELATIONS PRACTICUM (2)
PR: Senior standing and CI. For selected Public Relations Sequence majors. Practical experience outside the classroom in a professional public relations situation where the student works for academic credit under the tutelage of a professional practitioner.

PUR 4601 (COM 449) PUBLIC INFORMATION (4)
PR: COM 441 or CI. The nature of government public information organization, practices and criticisms thereof; the role of information specialists in reporting government at all levels to the public; conceptual differences in approach and techniques between governmental and private sector public relations. (Formerly COM 541.)

FIL 4205 (COM 450) ADVANCED CAMERA TECHNIQUES (4)
PR: COM 354. Advanced camera technology, professional procedures, emulsion selection, color control, studio and location shooting, laboratory methods, matte shooting and special effects.

FIL 4403 (COM 451) SOCIAL HISTORY OF THE FILM TO 1945 (4)
PR: COM 302 and COM 303. The industrial, technological, philosophical and social factors bearing on the rise and development of the motion picture as a popular art. Intensive study of a series of films through screenings and readings.

FIL 4404 (COM 452) SOCIAL HISTORY OF THE FILM, 1945 TO THE PRESENT (4)
PR: COM 302 and COM 303. A continuation of COM 451, covering the development of the film from 1945 to the present. (COM 451 is not a prerequisite.)

FIL 4300 (COM 453) THE DOCUMENTARY FILM (4)
PR: Sophomore standing. The development of the documentary movement; earliest newsreels; Flaherty, Grierson and the GPO Unit, U.S. Government-sponsored films, the Canadian Film board, Cinema Verite; study of about 60 fact-films from some 20 countries. Stresses objective criteria, critical analysis.

FIL 4500 (COM 454) FILM CRITICISM (4)
PR: COM 330, 451, 452, 453, CI. The film as a mass medium, comparing and contrasting its mass communication aspect with other important aspects. Critical analyses of selected films and intensive readings in the theory of film. Literary, social, dramatic, philosophic and historic approaches to film criticism.

FIL 4206 (COM 455) ADVANCED FILM LIGHTING (4)
PR: COM 450 or CI. Advanced lighting of studio and location sets stressing professional procedures and standards from pre-production to post-production.

FIL 4207 (COM 456) SENSITOMETRY AND PHOTOMETRICS (4)
PR: COM 354. The materials and processes of cinema photo; response of materials to development and exposure.

FIL 4209 (COM 457) CINEMA DYNAMICS (4)

FIL 4208 (COM 458) FILM DIRECTING (4)
PR: COM 354. Introduction to the techniques of film direction.

RTV 4220 (COM 461) TV PRODUCTION AND DIRECTION (4)
PR: COM 361 and junior standing. A basic course in the techniques of producing and directing TV programs. (Formerly SPE 441.)

RTV 4205 (COM 462) ADVANCED TV PRODUCTION AND DIRECTION (4)
PR: COM 461 and junior standing. Intensive study and practice of the techniques of TV production and direction with emphasis on both creative and experimental aspects of TV programming. (Formerly SPE 442.)
The second number (in parentheses) is the USF Course Number

MATHEMATICS (MTH)


MGF 1113, 1114 (MTH 107, 108) MATHEMATICS AND THE MODERN WORLD I, II (4,4) Illustrates the relationship of mathematics to our world and puts the development of mathematics in a historical perspective.

MATHEMATICS I, II (4,4) PR: Two years of secondary school mathematics including one year of algebra or MAT 120 (HCC course taught on USF campus) or CC. Designed as a terminal course for general cultural purposes. Explores the language of mathematics, set theory, linear programming, matrices, probability, statistics, applications.

MAC 1104 (MTH 122) COLLEGE ALGEBRA (4) Real numbers and their properties, algebraic expressions, equations and inequalities, functions, polynomials, exponential and logarithmic functions. (No credit for students with credit in MTH 101 or MTH 211.

MAC 1114 (MTH 123) COLLEGE TRIGONOMETRY (3) Angles, Trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for students with credit in MTH 101.)

MAC 2242 (MTH 211) PRE-CALCULUS MATHEMATICS (4) PR: Two years of secondary school mathematics including one year of algebra or MAT 120 (HCC course taught on USF campus) or CC. Students with strong secondary school mathematics preparation should start with MTH 212. Basic algebraic concepts, functions, and graphs. The sequence MTH 211-212-213 is primarily for students from Biological Sciences, Social Sciences and Business.

MAC 2243 (MTH 212) ELEMENTARY CALCULUS I (4) PR: MTH 211 or MTH 122 or 4 years of secondary school mathematics or CC. The derivative, techniques of differentiation, curve sketching, applications of the derivative. No credit for Mathematics majors or students with credit in MTH 303 or MTH 352.)
MAC 2244 (MTH 213) ELEMENTARY CALCULUS II (4)
PR: MTH 212. Antiderivatives, the definite integral, techniques of integration, logarithmic and exponential functions, applications. (No credit for Mathematics majors or students with credit in MTH 303 or MTH 352.)

MAC 3411 (MTH 302) CALCULUS I (5)
PR: MTH 122, 123 with a grade of “C” or better or CC. Limits, derivatives, applications. (No credit for students with credit in MTH 212 or MTH 351.)

MAC 3412 (MTH 303) CALCULUS II (4)
PR: MTH 302 with a grade of “C” or better or CC. Antiderivatives, the definite integral, applications, log, exponential, and trig functions. (No credit for students with credit in MTH 212 or MTH 352.)

MAC 3413 (MTH 304) CALCULUS III (4)
PR: MTH 303 with a grade of “C” or better or CC. Integration, polar coordinates, conic sections, vectors, interdeterminate forms and improper integrals. (No credit for students with credit in MTH 315 or MTH 353.)

MAC 3414 (MTH 305) CALCULUS IV (4)
PR: MTH 304 with a grade of “C” or better or CC. Vectors in 3-space, partial derivatives, multiple integrals. (No credit for students with credit in MTH 316.)

MHF 3102 (MTH 309) SET THEORY (3)
PR: MTH 302 or CC. Relations, functions, order, cardinal numbers.

STA 3404 (MTH 310) ELEMENTARY PROBABILITY (4)
Counting techniques, probability, expectation, probability distributions, the law of large numbers. (No credit for Mathematics majors. Credit for department of Biology majors.)

MAS 3114 (MTH 311) MATRICES AND APPLICATIONS (4)
Vectors and matrices with applications selected from linear programming, game theory and graph theory. Emphasis on applications to business and the social sciences. (Credit for all science majors except Mathematics.)

MAS 3103 (MTH 323) LINEAR ALGEBRA (4)
PR: MTH 302 or CC. Vectors, matrices, systems of linear equations, linear transformations.

MAE 3810 (MTH 331) NUMBER SYSTEMS (5)
The counting numbers, their properties and operations. The integers, their properties and operations. Prime numbers, modular arithmetic. Rational numbers, their properties and operations. (No credit for science majors.)

MAE 3811 (MTH 332) BASIC ALGEBRAIC CONCEPTS (4)
PR: MAE 331. Equations, systems of equations and inequalities. The real numbers as a complete ordered field. Complex numbers. (No credit for science majors.)

MTG 3204 (MTH 333) INFORMAL GEOMETRY (4)
Concepts of length, congruence, similarity, transformations in the plane. Ruler and compass constructions, impossible constructions coordinate systems, graphs, lines and curves. (No credit for science majors.)

STA 3023 (MTH 345) INTRODUCTORY STATISTICS I (5)
Hypothesis testing, estimation; normal, Chi-square, t, F, binomial, multinomial, distributions; ANOVA, CR, RCB designs; single df, regression, correlation, contingency tables. Students who successfully complete this course may not also receive credit for either ECN 331-431 Business and Economic Statistics or SSI 301 Social Science Statistics.

STA 3024 (MTH 346) INTRODUCTORY STATISTICS II (5)
PR: MTH 345 or CC. Factorials, ANCOV; multiple curvilinear regression; response surfaces; Latin square, Split Plots, incomplete blocks designs; distribution free methods.

MAC 3281 (MTH 351) ENGINEERING CALCULUS I (4)
PR: Pass diagnostic tests in algebra and trigonometry. Differentiation, limits, differentials, extrema, indefinite integral. (No credit for students with credit in MTH 302 or MTH 212.)

MAC 3282 (MTH 352) ENGINEERING CALCULUS II (4)
PR: MTH 351. Definite integral, trigonometric functions, log, exponential, applications. (No credit for students with credit in MTH 303 or MTH 213.)

MAC 3283 (MTH 353) ENGINEERING CALCULUS III (3)
PR: MTH 352. Techniques of integration, numerical methods, analytic geometry, polar coordinates, vector algebra, applications. (No credit for students with credit in MTH 304.)

MAC 3284 (MTH 354) ENGINEERING CALCULUS IV (3)
PR: MTH 353. Multivariate calculus, series, applications. (No credit for students with credit in MTH 305.)

MAP 4302 (MTH 401) DIFFERENTIAL EQUATIONS (4)
PR: MTH 305. First order linear and nonlinear differential equations, higher order linear equations, applications.

MAA 4211 (MTH 405) ADVANCED CALCULUS I (3)
PR: MTH 305 with a grade of “C” or better. Concepts of limit, continuity, differentiation, and integration of functions in one and several variables. Major topics include partial differentiation, Riemann-Stieltjes integrals, improper integrals, infinite series, uniform convergence, implicit-function theorems, line and surface integrals.

MAA 4212 (MTH 406) ADVANCED CALCULUS II (3)
PR: MTH 405. Continuation of MTH 405.

MMA 4213 (MTH 407) ADVANCED CALCULUS III (3)

MAS 4311 (MTH 420) ELEMENTARY ABSTRACT ALGEBRA (3)
PR: MTH 309 or CC. Groups, rings integral domain, fields, integers, the rational, real and complex number systems.

MTG 4212 (MTH 423) GEOMETRY I (3)
PR: MTH 302. Emphasis on axiomatics, advanced Euclidean geometry, elements of projective geometry, non-Euclidean geometries.

MTG 4213 (MTH 424) GEOMETRY II (3)
PR: MTH 423. Continuation of MTH 423.

MAS 4156 (MTH 431) VECTOR ANALYSIS (3)
PR: MTH 305. The algebra and calculus of vectors, applications, general coordinates, introduction to tensor analysis. (No credit for both MTH 407 and MTH 431.)

STA 4442 (MTH 445) INTRODUCTORY PROBABILITY THEORY I (3)
PR: MTH 305 and MTH 309 or CC. Probability spaces, discrete and continuous probability distributions, expectations.

STA 4443 (MTH 446) INTRODUCTORY PROBABILITY THEORY II (3)
PR: MTH 445. Joint distributions, sums of random variables, weak and strong laws of large numbers, limit theorems.

MAD 4401 (MTH 447) NUMERICAL ANALYSIS I (4)
PR: MTH 323; ability to program a digital computer. Interpolation and quadrature, finite differences, numerical solution of algebraic and transcendental equations, numerical solution of differential equations, computer techniques.

MAD 4402 (MTH 448) NUMERICAL ANALYSIS II (4)
PR: MTH 401 and 447. Continuation of MTH 447.

MAT 4930 (MTH 483) SELECTED TOPICS IN MATHEMATICS (1-6)
PR: CI. The course content will depend on the interest of faculty members and student demand.

MAP 5316 (MTH 501) ADVANCED DIFFERENTIAL EQUATIONS I (4)
PR: MTH 323, MTH 401 or CC. Existence and uniqueness of solutions, oscillation and comparison theorems, asymptotic behaviour of solutions, stability, perturbation theory, applications.

MAP 5317 (MTH 502) ADVANCED DIFFERENTIAL EQUATIONS II (4)
The second number (in parentheses) is the USF Course Number

MTH 5302 (MTH 510) ELEMENTARY MATHEMATICAL LOGIC (3)
PR: CC. Truth tables, tautologies, quantifiers, rules of inference, informal proofs in mathematics.

MAS 5146 (MTH 511) ADVANCED LINEAR ALGEBRA (4)
PR: MTH 309, 323 or CC. Vector spaces, linear independence, dimensions, matrices, linear transformations.

MTH 5366 (MTH 515) CALCULUS ON MANIFOLDS (4)
PR: MTH 511 and 514. Calculus of several variables.

MTR 5446 (MTH 545) INTEGRAL TRANSFORMS I (4)
PR: MTH 540. Complex numbers, analytic functions and mappings, integrals.

MTH 5423 (MTH 543) INTEGRAL TRANSFORMS II (4)
PR: MTH 541, 405, or CC. Introduction to integral transforms with special emphasis on the Laplace and Fourier transforms, applications to differential equations.

MTH 5446 (MTH 544) INTEGRAL TRANSFORMS III (4)
PR: MTH 543. Continuation of MTH 543.

STA 5446 (MTH 546) PROBABILITY THEORY I (4)
PR: MTH 406 or MTH 513. Concepts of probability theory, axioms of probability, random variables, probability distributions and distributions of functions of stochastic variables.

STA 5447 (MTH 547) PROBABILITY THEORY II (4)

STA 5446 (MTH 546) PROBABILITY THEORY I (3)
PR: MTH 546. Sample distribution theory, point & interval estimation theory and theory of hypothesis testing.

STA 5447 (MTH 547) PROBABILITY THEORY II (3)
PR: MTH 547. Statistical decision theory to include admissibility of Bayes rules, risk functions, minimax invariant rules and most powerful tests.

STA 5460 (MTH 548) STOCHASTIC PROCESSES (3)

STA 5526 (MTH 550) NON-PARAMETRIC STATISTICS I (3)
PR: MTH 547, CC. Theory and methods of non-parametric statistics, order statistics, tolerance region and their applications.

MTH 5525 (MTH 551) NUMBER THEORY (4)
PR: CC. Congruences, quadratic residues, selected topics.

MAD 5305 (MTH 553) LINEAR ALGEBRA AND APPLICATIONS (3)
PR: MTH 511, 521, 531. Introduction to linear algebra and its applications.

MAD 5507 (MTH 554) INTRODUCTION TO NUMERICAL ANALYSIS (3)
PR: MTH 557 or CC. Theory of numerical analysis, algorithms, and computer implementation.

MTH 5526 (MTH 555) ASYMPTOTIC METHODS (3)
PR: MTH 551 or 552 and MTH 540 or 567. Asymptotic series, applications to differential equations and integrals, and perturbation theory.

MTH 5527 (MTH 556) MATHEMATICAL OPTIMIZATION THEORY I (3)
PR: MTH 532, ESC 302. Introduction to linear programming, simplex method, duality, and optimality criteria.

MTH 5528 (MTH 557) MATHEMATICAL OPTIMIZATION THEORY II (3)
PR: MTH 557 or CC. Theory of nonlinear programming, constraints, duality, and optimality criteria. Convergence of solution algorithms.

MTH 5539 (MTH 558) MATHEMATICAL OPTIMIZATION THEORY III (3)
PR: MTH 558. Introduction to numerical analysis, algorithms for computer information processing, expected time and space requirements of algorithms, construction of optimal algorithms, theory, underlying particular algorithms.

MAD 5540 (MTH 559) ANALYSIS OF NUMERICAL METHODS I (3)
PR: MTH 323, MTH 401, EGB 204 or CC. Corequisite: MTH

MAD 5408 (MTH 564) ANALYSIS OF NUMERICAL METHODS II (4) PR: MTH 563. Continuation of MTH 563.

MAE 5872 (MTH 571) GEOMETRY FOR TEACHERS (3) PR: MTH 423 and 424 and bachelor’s degree or CC. Vectors, measures, perpendicularity and parallelism, properties of geometric figures, induction and deduction. (No credit for Math. majors.)

MAD 5874 (MTH 573) ABSTRACT ALGEBRA FOR TEACHERS (3) PR: MTH 323 and MTH 420 and bachelor’s degree or CC. Groups, fields, vector spaces as they relate to high school algebra and geometry. (No credit for Math. majors.)

MAD 5875 (MTH 574) COMPLEX VARIABLES FOR TEACHERS (3) PR: MTH 305 and MTH 420 and bachelor’s degree or CC. Algebra and geometry of the complex numbers, functions of a complex variable, limits, derivatives, integrals, elementary functions and their geometry, fundamental theorem of algebra. (No credit for Math. majors.)

MAD 5876 (MTH 575) MATHEMATICAL ANALYSIS I FOR TEACHERS (3) PR: MTH 305 and bachelor’s degree or CC. Advanced consideration of limits continuity, derivatives, differentials. (No credit for Math. majors.)

MAD 5877 (MTH 576) MATHEMATICAL ANALYSIS II FOR TEACHERS (3) PR: MTH 575 or CC. Advanced considerations of the definite integral, fundamental theorem of calculus, infinite series. (No credit for Math. majors.)

MAT 5932 (MTH 583) SELECTED TOPICS (1-6) PR: Senior or junior standing and CC. Each topic is a course of study. 01-History of Mathematics, 02-Logic and Foundations, 03-Number Theory, 07-Topics in Algebra, 09-Mathematics for Physics, 11-Topics in Probability and Statistics, 13-Topics in Analysis, 15-Topics in Topology.

MAP 6336 (MTH 603) THEORY OF ORDINARY DIFFERENTIAL EQUATIONS I (4) PR: MTH 501 or CC. Existence theorems, topics in oscillation theory, asymptotic behavior, stability and boundedness of solutions of differential equations.

MAP 6337 (MTH 604) THEORY OF ORDINARY DIFFERENTIAL EQUATIONS II (4) PR: MTH 603. Continuation of MTH 603.


MMA 6617 (MTH 606) MEASURE AND INTEGRATION II (3) PR: MTH 605. Continuation of MTH 605.

MMA 6618 (MTH 607) MEASURE AND INTEGRATION III (3) PR: MTH 606. Continuation of MTH 606.


MMA 6407 (MTH 612) COMPLEX ANALYSIS II (3) PR: MTH 611. Continuation of MTH 611.

MMA 6408 (MTH 613) COMPLEX ANALYSIS III (3) PR: MTH 612. Continuation of MTH 612.

MMA 6516 (MTH 614) INTRODUCTION TO FUNCTIONAL ANALYSIS I (4) PR: MTH 605. Linear Topological Spaces, normed linear spaces. Hahn-Banach Theorem, theorems on linear operators, dual spaces.

MMA 6517 (MTH 615) INTRODUCTION TO FUNCTIONAL ANALYSIS II (4) PR: MTH 614. Continuation of MTH 614.

MAD 6616 (MTH 624) ADVANCED ALGEBRA I (4) PR: MTH 524 or CC. Algebraic automata theory.

MAD 6617 (MTH 625) ADVANCED ALGEBRA II (4) PR: MTH 624 or CC. Algebraic coding theory.

MTG 6326 (MTH 632) ADVANCED TOPOLOGY I (4) PR: MTH 532 and CC. Function spaces, compactifications, covering spaces, other topics.

MTG 6327 (MTH 633) ADVANCED TOPOLOGY II (4) PR: MTH 632. Continuation of MTH 632.

MTG 6346 (MTH 635) ALGEBRAIC TOPOLOGY (3) PR: MTH 633 or CC. Homotopy, homology groups, local homology groups.

MTG 6356 (MTH 636) TOPOLOGICAL ALGEBRA I (4) PR: MTH 633 and CC. Topological semigroups, topological groups, topological rings and fields, Haar measure.

MTG 6357 (MTH 637) TOPOLOGICAL ALGEBRA II (4) PR: MTH 636. Continuation of MTH 636.

MTG 6456 (MTH 638) DIFFERENTIAL GEOMETRY (3) PR: CC. Local differential geometry, curvature, evolutes and involutes, calculus of variations.

MAS 6218 (MTH 641) TOPICS IN NUMBER THEORY I (3) PR: MTH 524 or CC. Continued fractions, approximations of irrational numbers, lattices, geometric theory, algebraic numbers, density of sequences of integers, analytic number theory, the prime number theorem.

MAS 6219 (MTH 642) TOPICS IN NUMBER THEORY II (3) PR: MTH 641. Continuation of MTH 641.

MAP 6356 (MTH 643) PARTIAL DIFFERENTIAL EQUATIONS I (4) PR: MTH 541 or CC. Classification of second order equations, Cauchy problems, Dirichlet and Neumann problems, mixed problems, properties of solutions.

MAP 6357 (MTH 644) PARTIAL DIFFERENTIAL EQUATIONS II (4) PR: MTH 643. Continuation of MTH 643.

STA 6466 (MTH 645) ADVANCED PROBABILITY THEORY I (3) PR: MTH 606 or CC. Measure theoretic approach to probability, random variables, distribution functions, expectation and characteristic functions.

STA 6467 (MTH 646) ADVANCED PROBABILITY THEORY II (3) PR: MTH 645. Convergence of sequence of random variables, weak and strong laws of large numbers, limit theory of probability distributions.


STA 6357 (MTH 649) STOCHASTIC PROCESSES II (3) PR: MTH 549 or CC. Continuous parameter Markov chains, martingale theory, stationary processes with discrete and continuous increments.

STA 6357 (MTH 650) NON-PARAMETRIC STATISTICS II (3) PR: MTH 550 or CC. Theory and applications of advanced non-parametric methods to include order statistics Kolmogorov-Smirnov and Cramer statistics.
MTH 6306 (MTH 651) LOGIC AND FOUNDATIONS I (4)
PR: CC. Propositional calculus, Post’s theorem, first order and equality calculi, models, completeness and consistency theorems. Godel’s theorem, recursive functions.

MTH 6307 (MTH 652) LOGIC AND FOUNDATIONS II (4)
PR: MTH 651. Continuation of MTH 651.

STA 6876 (MTH 653) TIME SERIES ANALYSIS I (3)
PR: MTH 547. Basic concepts of the theory and applications of time series analysis to include filtering, forecasting modeling, spectral analysis of univariate realizations with applications. (Formerly MTH 554.)

STA 6877 (MTH 654) TIME SERIES ANALYSIS II (3)
PR: MTH 653. Multivariate time series analysis of stationary process to include the theory of filtering, forecasting and spectral analysis.

MAP 6456 (MTH 655) TRIGONOMETRIC SERIES I (3)
PR: MTH 514. Selected Topics in Fourier Series and summability, orthogonal polynomials, almost periodic functions, completeness of sets of functions.

MAP 6457 (MTH 656) TRIGONOMETRIC SERIES II (3)
PR: MTH 655. Continuation of MTH 655.

MAP 6216 (MTH 657) CALCULUS OF VARIATIONS (4)
PR: MTH 514 and CC. Maxima and minima of functionals, problems of Lagrange, Bolza and Mayer and other topics.

MAS 6226 (MTH 659) ALGEBRAIC NUMBER THEORY (4)
PR: MTH 524 or CC. Algebraic number fields, algebraic integers, basic and discriminant of algebraic number fields, ideals, decomposition of ideals. Theorem of Minkowski, Applications of Galois Theory to the Theory of Ideals, Units.

STA 6746 (MTH 662) MULTIVARIATE STATISTICAL ANALYSIS I (3)
PR: MTH 653. The multivariate normal, estimation of mean vector and covariance matrix, correlation analysis, generalized T2-statistics and testing of the general linear hypothesis. (Formerly MTH 562.)

MAP 6207 (MTH 671) MATHEMATICAL OPTIMIZATION THEORY III (3)
PR: MTH 558 or CC, MTH 615. Linear programming in abstract spaces; integer programming; stochastic programming. Recent research in mathematical programming and related areas.

MAP 6447 (MTH 673) PARTIAL DIFFERENCE EQUATIONS (4)

MAT 6911 (MTH 681) DIRECTED RESEARCH (var.)
PR: GR. Master’s level. Repeatable. (S/U only.)

MAT 6932 (MTH 683) SELECTED TOPICS (1-6)
PR: CC. 01-Topology, 02-Analysis, 03-Algebra, 04-Applied Mathematics, 05-Graph Theory, 06-Number Theory, 07-Mathematics for Physics, 08-Probability, 09-Statistics, 10-Complex Analysis.

MAT 6938 (MTH 688) RECENT ADVANCES IN MATHEMATICS WITH EMPHASIS ON THEIR IMPACT ON COLLEGE-LEVEL COURSES (3-6)
A course designed to consider and study the recent developments of mathematics, especially those developments that have an effect on altering the basic concepts and ideas of mathematics and imply a change in the presentation of introductory material in the field. (Credit not applicable toward thesis degree requirements.) (S/U only.)

MAT 6939 (MTH 691) GRADUATE SEMINAR (1-6)
Direction of this seminar is by a faculty member. Students are required to present research papers from the literature. (S/U only.)

MAT 6945 (MTH 694) GRADUATE INSTRUCTION METHODS (1-5)
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

MAT 6915 (MTH 695) GRADUATE RESEARCH METHODS (1-5)
Special course to be used primarily for the training of graduate research assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

MAT 6908 (MTH 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

MAT 6971 (MTH 699) THESIS: MASTER’S (var.)
Repeatable. (S/U only.)

MAT 7912 (MTH 781) DIRECTED RESEARCH (var.)
PR: GR. Ph.D. level. Repeatable. (S/U only.)

MAT 7980 (MTH 799) DISSERTATION: DOCTORAL (var.)
PR: Must be admitted to Doctoral Candidacy. Repeatable. (S/U only.)

MEDICAL TECHNOLOGY (MET)

Director: E. D. Olsen; Professors: E. D. Olsen, W. S. Silver; Associate Professor: J. R. Linton.

MLS 3030 (MET 311) INTRODUCTION TO MEDICAL TECHNOLOGY (1)
PR: Senior standing and acceptance into an approved affiliated hospital. An introduction to the principles and practices of medical technology and their relationship to patient care. A hospital internship course for medical technology majors.

MLS 4215 (MET 431) CLINICAL MICROSCOPY I (5)
PR: Senior standing and acceptance into an approved affiliated hospital. Lecture and laboratory instruction such as urinalysis, parasitology, and histological technique. A hospital internship course for medical technology majors.

MLS 4216 (MET 432) CLINICAL MICROSCOPY II (5)
PR: Senior standing and acceptance into an approved affiliated hospital. A continuation of MET 431. A hospital internship course for medical technology majors.

MLS 4305 (MET 442) HEMATOLOGY (6)
PR: Senior standing and acceptance into an approved affiliated hospital. Lecture and laboratory instruction in the methods of study of hematological disorders. A hospital internship course for medical technology majors.

MLS 4405 (MET 451) CLINICAL BACTERIOLOGY (8)
PR: Senior standing and acceptance into an approved affiliated hospital. Instruction in lecture and laboratory on the various aspects of morphology, physiology, and classification of bacteria, especially those related to disease. A hospital internship course for medical technology majors.

MLS 4625 (MET 453) CLINICAL CHEMISTRY I (9)
PR: Senior standing and acceptance into an approved affiliated hospital. Instruction in the techniques and procedures for use in clinical chemical analyses. A hospital internship course for medical technology majors.

MLS 4545 (MET 454) CLINICAL CHEMISTRY II (9)
PR: Senior standing and acceptance into an approved affiliated hospital. A continuation of MET 453, including procedures required for serology, transfusions, blood preservation, and antibody studies. A hospital internship course for medical technology majors.
The first number is the State Common Course Number

Instruments such as automated instruments, use of radioisotopes, and techniques of measuring basal metabolism. A hospital internship course for medical technology majors.

**MEDICINE**

Course listings for the College of Medicine may be found under the appropriate departmental headings: Anatomy, Biochemistry, Comprehensive Medicine, Family Medicine, Medical Microbiology, Medicine, Obstetrics and Gynecology, Ophthalmology, Pathology, Pediatrics, Pharmacology, Physiology, Psychiatry, Radiology, and Surgery.

**Anatomy**

*Chairperson:* H. N. Schnitzlein; *Professor:* H. N. Schnitzlein; *Associate Professor:* J. J. Dzornik; *Assistant Professors:* H. K. Brown, S. F. Chopin, T. M. Holt, M. F. Nolan, C. P. Phelps, E. G. Salter, Jr.

- **BMS 6100 (MED 600)** GROSS ANATOMY (7)
  - PR: Admission to College of Medicine.
- **BMS 6110 (MED 602)** MICROSCOPIC ANATOMY (4)
  - PR: Admission to College of Medicine.
- **BMS 6150 (MED 603)** NEUROANATOMY (4)
  - PR: Admission to College of Medicine.
- **BMS 6160 (MED 604)** ANATOMY SEMINAR (0)
  - PR: Consent of Chairman, Department of Anatomy.
- **BMS 7170 (MED 701)** REGIONAL ANATOMY I—Head and Neck (5)
  - PR: Enrolled in College of Medicine.
- **BMS 7171 (MED 702)** REGIONAL ANATOMY II—Thorax, Abdomen, Pelvis and Perineum (5)
  - PR: Enrolled in College of Medicine.
- **BMS 7172 (MED 703)** REGIONAL ANATOMY III—Extremities (5)
  - PR: Enrolled in College of Medicine.
- **BMS 7173 (MED 704)** SYSTEMIC ANATOMY (20)
  - PR: Enrolled in the College of Medicine.
- **BMS 7174 (MED 705)** MEDICAL DEVELOPMENT ANATOMY AND TERATOLOGY (5)
  - PR: Enrolled in College of Medicine.
- **BMS 7175 (MED 706)** ADVANCED NEUROANATOMY (5)
  - PR: Enrolled in College of Medicine.
- **BMS 7176 (MED 707)** ADVANCED MICROSCOPIC ANATOMY (5)
  - PR: Enrolled in College of Medicine.
- **BMS 7177 (MED 708)** APPLIED NEUROANATOMY (10)
  - PR: Enrolled in College of Medicine.

**GMS 6600 (MSG 601)** CORE COURSE IN HUMAN ANATOMY (7)
- PR: Admission to Ph.D. Program in Medical Sciences.
- **GMS 6609 (MSG 607)** ADVANCED HUMAN GROSS ANATOMY (8-16)
  - PR: MSG 601-MSG 606 or consent of Chairman.
- **GMS 6608 (MSG 608)** ADVANCED MICROSCOPIC ANATOMY (4-8)
  - PR: MSG 601-MSG 606 or consent of Chairman.
- **GMS 6601 (MSG 609)** METHODS OF ELECTRON MICROSCOPY IN MEDICAL RESEARCH (4)
  - PR: MSG 601-MSG 606, MSG 608, MSG 610 or consent of Chairman.
- **GMS 6602 (MSG 610)** NEURAL CORRELATES OF BEHAVIOR (4)
  - PR: MSG 601-MSG 606 or consent of Chairman.

**GMS 6603 (MSG 611)** COMPARATIVE NEUROANATOMY (3)
- PR: MSG 601-MSG 606 or consent of Chairman.
- **GMS 6604 (MSG 612)** HUMAN EMBRYOLOGY (4)
  - PR: MSG 601-MSG 606 or consent of Chairman.
- **GMS 6605 (MSG 614)** COMPARATIVE HEMATOLOGY (3)
  - PR: MSG 601-MSG 607, 608, or consent of Chairman.
- **GMS 6606 (MSG 615)** ANATOMICAL ILLUSTRATIONS AND METHODS (3)
  - PR: MSG 601-MSG 606, MSG 607, 608, 610 or consent of Chairman.
- **GMS 6607 (MSG 616)** HISTORY OF ANATOMY (2)
  - PR: MSG 601-MSG 606 or consent of Chairman.

**Biochemistry**


- **BMS 6200 (MED 605)** BIOCHEMISTRY (9)
  - PR: Admission to College of Medicine.
- **BMS 6230 (MED 606)** BIOCHEMISTRY SEMINAR (0)
  - PR: Consent of Instructor.
- **BMS 7260 (MED 788)** RESEARCH IN BIOCHEMISTRY (var.)
  - PR: Enrolled in College of Medicine.
- **BMS 7262 (MED 789)** MOLECULAR BASIS OF METABOLIC REGULATION (5)
  - PR: Admitted to College of Medicine.

**GMS 6200 (MSG 603)** CORE COURSE IN MEDICAL BIOCHEMISTRY (7)
- PR: Admission to Ph.D. Program in Medical Sciences.
- **GMS 6603 (MSG 619)** METABOLIC BASIS OF DISEASE (3)
  - PR: MSG 601-MSG 606 or consent of Chairman.
- **GMS 6414 (MSG 657)** BIOLOGICAL MEMBRANES-STRUCTURE AND FUNCTION (4)
  - PR: MSG 601-MSG 606 or consent of Chairman.
- **GMS 6415 (MSG 658)** LIPID METABOLISM AND REGULATION (4)
  - PR: MSG 601-MSG 606 or consent of Chairman.
- **GMS 6416 (MSG 659)** MACROMOLECULAR METABOLISM (4)
  - PR: MSG 601-MSG 606 or consent of Chairman.

**Comprehensive Medicine**

*Professors:* R. J. Loiselle, D. L. Smith; *Associate Professor:* M. M. Rath; *Assistant Professor:* W. M. Tucker

- **MEL 8203 (MED 801)** FACTORS AFFECTING MEDICAL PRACTICE (10)
- **MEL 8204 (MED 802)** MEDICAL BIOLOGICAL STATISTICS (var.)
- **MEL 8205 (MED 803)** COMMUNITY MEDICINE—PUBLIC HEALTH (var.)
Family Medicine

Associate Professor: C. E. Auerreman; Assistant Professors: E. F. Ciliberto, F. Firestone.

MEL 7255 (MED 711) OUT-PATIENT FAMILY MEDICINE
PR: Enrolled in College of Medicine.

MEL 7256 (MED 712) IN-PATIENT FAMILY MEDICINE
PR: Enrolled in College of Medicine.

BCC 8171 (MED 850) FAMILY PRACTICE PRECEPTORSHIP
PR: Enrolled in College of Medicine.

BCC 8172 (MED 851) FAMILY PRACTICE TUTORIAL
(5-20)

Interdisciplinary

MEL 7320 (MED 700) EXTRAMURAL CLERKSHIP
PR: Enrolled in College of Medicine.

MEL 7100 (MED 727) EXPERIMENTAL ONCOLOGY
PR: Enrolled in College of Medicine.

MEL 7102 (MED 763) PERINATOLOGY
PR: Enrolled in College of Medicine.

MEL 7103 (MED 764) PEDIATRIC CARDIOLOGY
PR: Enrolled in College of Medicine.

MEL 7105 (MED 766) RESEARCH AND CLINICAL EXPERIENCE IN ALLERGY
PR: Enrolled in College of Medicine.

MEL 7104 (MED 777) DEPARTMENTAL OVERVIEWS
PR: Enrolled in College of Medicine.

BCC 9180 (MED 900) AMBULATORY CARE ROTATION
(20)

GMS 7418 (MSG 781) DIRECTED RESEARCH
PR: Gr. Ph.D. level. Repeatable. (S/U only.)

GMS 7930 (MSG 783) SELECTED TOPICS
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 7939 (MSG 791) GRADUATE SEMINAR
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 7980 (MSG 799) DISSERTATION: DOCTORAL
PR: Must be admitted to Doctoral Candidacy. Repeatable. (S/U only.)

Internal Medicine


BMS 6810 (MED 619) INTRODUCTION TO MEDICINE
PR: Admission to College of Medicine.

BMS 6830 (MED 621) PHYSICAL DIAGNOSIS
PR: Admission to College of Medicine.

BCC 6110 (MED 624) MEDICINE CLERKSHIP
PR: Admission to College of Medicine.

MEL 7303 (MED 742) ELECTRO-CARDIOGRAPHIC INTERPRETATION
PR: Enrolled in College of Medicine.

MEL 7321 (MED 743) CLINICAL DERMATOLOGY
PR: Enrolled in College of Medicine.

MEL 7305 (MED 744) CLINICAL ENDOCRINOLOGY AND METABOLISM
PR: Enrolled in College of Medicine.

MEL 7306 (MED 745) GASTROENTEROLOGY ELECTIVE
PR: Enrolled in College of Medicine.

MEL 7310 (MED 747) INFECTIOUS DISEASE
PR: Enrolled in College of Medicine.

MEL 7313 (MED 749) CLINICAL NEPHROLOGY
PR: Enrolled in College of Medicine.

MEL 7319 (MED 785) MEDICINE IN THE TROPICS
PR: Enrolled in College of Medicine.

MEL 8308 (MED 810) HEMATOLOGY-ONCOLOGY

BCC 8121 (MED 811) CLINICAL NEUROLOGY CLERKSHIP

MEL 8675 (MED 812) CONCEPTS OF NEUROLOGICAL DISEASE

MEL 8676 (MED 813) NEUROLOGY OF AMBULATORY PATIENTS

MEL 8674 (MED 814) CLINICAL NEUROLOGY PRECEPTORSHIP

MEL 8696 (MED 815) RESEARCH IN NEUROLOGY

MEL 8333 (MED 816) ALLERGY AND PULMONARY DISEASE

MEL 8334 (MED 817) ACTING MEDICINE INTERNSHIP

MEL 8335 (MED 818) ELECTIVE IN AMBULATORY INTERNAL MEDICINE

MEL 8315 (MED 819) AMBULATORY CARE ELECTIVE - ALLERGY AND PULMONARY DISEASE

MEL 8336 (MED 820) AMBULATORY CARE ELECTIVE - ENDOCRINOLOGY AND METABOLISM

MEL 8302 (MED 821) CLINICAL CARDIOLOGY (VA) I

MEL 8337 (MED 822) CLINICAL CARDIOLOGY (TGH) II

MEL 8338 (MED 823) HEMATOLOGY-ONCOLOGY II

MEL 8339 (MED 824) CLINICAL RHEUMATOLOGY ELECTIVE

MEL 8388 (MED 825) RESEARCH IN RHEUMATOLOGY IMMUNOLOGY

Medical Microbiology

Chairperson: C. W. Fishel; Professor: C. W. Fishel; Associate Professors: D. G. Halkias, L. J. Paradise; Assistant Professors: R. J. Grasso, T. W. Klein, G. J. Lancz, W. M. LeFor, S. Pross, A. L. Winters

BMS 6300 (MED 607) MEDICAL MICROBIOLOGY
PR: Admission to College of Medicine.

BMS 6320 (MED 608) MEDICAL MICROBIOLOGY SEMINAR
PR: Consent of Chairman, Department of Medical Microbiology.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>BMS 7360</td>
<td>CLINICAL MICROBIOLOGY</td>
<td>Offered in College of Medicine.</td>
</tr>
<tr>
<td>GMS 6100</td>
<td>CORE COURSE IN MEDICAL MICROBIOLOGY</td>
<td>Offered in College of Medicine, admission to Ph.D. Program in Medical Sciences.</td>
</tr>
<tr>
<td>GMS 6101</td>
<td>DIAGNOSTIC MICROBIOLOGY</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
</tr>
<tr>
<td>GMS 6102</td>
<td>RESEARCH PLANNING AND METHODS</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
</tr>
<tr>
<td>GMS 6104</td>
<td>CELLULAR IMMUNOLOGY</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
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<tr>
<td>GMS 6105</td>
<td>ADVANCES IN IMMUNOLOGY</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
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<tr>
<td>GMS 6106</td>
<td>IMMUNOCHEMISTRY</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
</tr>
<tr>
<td>GMS 6107</td>
<td>ADVANCES IN VIROLOGY</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
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<tr>
<td>GMS 6108</td>
<td>MICROBIAL PHYSIOLOGY AND GENETICS</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
</tr>
<tr>
<td>GMS 6109</td>
<td>REGULATORY CONTROL MECHANISMS IN ANIMAL CELL SYSTEMS</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
</tr>
<tr>
<td>GMS 6110</td>
<td>HOST-PARASITE INTERACTIONS</td>
<td>Offered in College of Medicine, MSG 601-MSG 606 or consent of Chairman.</td>
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**Obstetrics/Gynecology**


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<tr>
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<tbody>
<tr>
<td>BCC 6130</td>
<td>OBSTETRICS-GYNECOLOGY CLERKSHIP</td>
<td>Offered in College of Medicine.</td>
</tr>
<tr>
<td>MEL 7404</td>
<td>GYNECOLOGIC ONCOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>MEL 7440</td>
<td>RESEARCH IN OBSTETRICS-GYNECOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>MEL 7411</td>
<td>PREPARATION FOR PRACTICE</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>MEL 7410</td>
<td>THE INFERTILE COUPLE</td>
<td>Offered in College of Medicine.</td>
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</table>

**Ophthalmology**

Chairperson: W. C. Edwards; Professor: W. C. Edwards; Associate Professor: W. E. Layden; Assistant Professors: L. D. Perry, E. Torczyński; Instructor: J. D. Bartlett

<table>
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<tr>
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<tbody>
<tr>
<td>MEL 7501</td>
<td>TUTORIAL COURSE OF ADVANCED OPHTHALMOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>MEL 7501</td>
<td>MEDICAL OPHTHALMOLOGY</td>
<td>Offered in College of Medicine.</td>
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**Pathology**


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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BMS 6600</td>
<td>PATHOLOGY</td>
<td>Admission to College of Medicine.</td>
</tr>
<tr>
<td>BMS 6620</td>
<td>PATHOLOGY SEMINAR</td>
<td>Consent of Chairman, Department of Pathology.</td>
</tr>
<tr>
<td>BMS 6610</td>
<td>LABORATORY MEDICINE</td>
<td>Admission to College of Medicine.</td>
</tr>
<tr>
<td>BMS 7611</td>
<td>ELECTIVE IN LABORATORY MEDICINE (CHEMISTRY, HEMATOLOGY)</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>BMS 7663</td>
<td>PATHOLOGIC ANATOMY (AUTOPSIES AND SURGICAL PATHOLOGY)</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>BMS 7662</td>
<td>SURGICAL PATHOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>BMS 7661</td>
<td>EXPERIMENTAL PATHOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6300</td>
<td>CORE COURSE IN PATHOLOGY</td>
<td>Admission to the Ph.D. Program in Medical Sciences.</td>
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<tr>
<td>GMS 6111</td>
<td>HUMAN SYSTEMIC PATHOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6112</td>
<td>BIOCHEMICAL PATHOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6113</td>
<td>IMMUNOPATHOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6301</td>
<td>ADVANCED GROSS PATHOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6302</td>
<td>ADVANCED MICROSCOPIC PATHOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6303</td>
<td>ELECTRON MICROSCOPY OF DISEASE STATES</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6304</td>
<td>AUTORADIOGRAPHIC TECHNIQUES</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>GMS 6417</td>
<td>ANIMAL RESEARCH METHODS</td>
<td>Offered in College of Medicine.</td>
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**Pediatrics**


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<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BCC 6140</td>
<td>PEDIATRICS CLERKSHIP</td>
<td>Admission to College of Medicine.</td>
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<tr>
<td>MEL 7551</td>
<td>INPATIENT PEDIATRICS, TAMPA GENERAL HOSPITAL</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>MEL 7565</td>
<td>NEONATOLOGY</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>MEL 7596</td>
<td>METABOLIC DISEASE RESEARCH</td>
<td>Offered in College of Medicine.</td>
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<tr>
<td>MEL 7591</td>
<td>RESEARCH IN PEDIATRIC MEDICINE AND GENETICS</td>
<td>Offered in College of Medicine.</td>
</tr>
</tbody>
</table>
The second number (in parentheses) is the USF Course Number

MEDICINE 231

Pharmacology

BMS 6400 (MED 609) PHARMACOLOGY
PR: Admission to College of Medicine.

BMS 6420 (MED 610) PHARMACOLOGY SEMINAR
PR: Consent of Chairman, Department of Pharmacology.

BMS 7460 (MED 611) MEDICAL PHYSIOLOGY
PR: Admission to College of Medicine.

BMS 6530 (MED 612) PHYSIOLOGY SEMINAR
PR: Consent of Chairman, Department of Physiology.

BMS 7560 (MED 737) RESEARCH IN PHYSIOLOGY
PR: Enrolled in College of Medicine.

BMS 7561 (MED 738) CARDIO-PULMONARY-RENAL PHYSIOLOGY
PR: Enrolled in College of Medicine.

GMS 6400 (MSG 602) CORE COURSE IN PHYSIOLOGY
PR: Admission to Ph.D. Program in Medical Sciences.

GMS 6401 (MSG 644) KIDNEY, FLUIDS AND ELECTROLYTES
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6402 (MSG 645) RESPIRATION
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6403 (MSG 646) ENDOCRINE MECHANISMS
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6404 (MSG 647) NEUROPHYSIOLOGY
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6405 (MSG 648) NERVE, MUSCLE AND SYNPSE
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6406 (MSG 649) CARDIAC MUSCLE
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6407 (MSG 650) SMOOTH MUSCLE
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6408 (MSG 651) SKELETAL MUSCLE
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6409 (MSG 652) PERIPHERAL CIRCULATION
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6410 (MSG 653) CARDIOVASCULAR REGULATION
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6411 (MSG 654) CARDIOPULMONARY CIRCULATION
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6412 (MSG 655) HEMODYNAMICS
PR: MSG 601-MSG 606 or consent of Chairman.

GMS 6413 (MSG 656) PHYSIOLOGICAL BASIS OF CARDIOLOGY
PR: MSG 601-MSG 606 or consent of Chairman.

Psychiatry

BMS 6880 (MED 614) BIOSTATISTICS
PR: Admission to College of Medicine.

BMS 6840 (MED 615) INTRODUCTION TO PSYCHIATRY
PR: Admission to College of Medicine.

BMS 6850 (MED 616) PSYCHIATRY SEMINAR
PR: Consent of Chairman, Department of Psychiatry.
The first number is the State Common Course Number

BCC 6150 (MED 627) PSYCHIATRY CLERKSHIP (13)
PR: Admission to College of Medicine.

MEL 7602 (MED 773) ELECTIVE IN CHILD PSYCHIATRY (10)
PR: Enrolled in College of Medicine.

MEL 7607 (MED 776) INTRODUCTION TO PSYCHOSOMATIC MEDICINE (10)
PR: Enrolled in College of Medicine.

MEL 7611 (MED 792) ADVANCED CLERKSHIP IN PSYCHIATRY (var.)
PR: Enrolled in College of Medicine.

MEL 8664 (MED 860) PSYCHIATRIC RESEARCH (var.)

Radiology

MEL 7700 (MED 767) GENERAL RADIOLOGY (var.)
PR: Enrolled in College of Medicine.

MEL 7701 (MED 768) GENERAL AND SPECIALTY RADIOLOGY (var.)
PR: Enrolled in College of Medicine.

Surgery

MILITARY SCIENCE (MIS)

MIS 1010 (MIS 102) INTRODUCTION TO MILITARY SCIENCE (4)
PR: MIS 102; HTY 313, or CI. The dual role of the military officer as leader and manager; problems of military leadership in the volunteer army; examination of classical leadership traits and principles, and the role of officers in the various branches of the Army.

MIS 4421 (MIS 401) SEMINAR IN LEADERSHIP AND MANAGEMENT (4)
PR: MIS 301, CI. Obligations and responsibilities of a commissioned officer, with emphasis on application of sound leadership to all situations. Uniform Code of Military Justice and its relation to civilian law; Fundamentals of both offensive and defensive tactics and role of various branches of the Army in tactical operations. Role of the U.S. in world affairs in the 1970's.

MUSIC (MUS)

MUT 2111,2112,2113 (MUS 201,202,203) MUSIC THEORY (3,3,3)
PR: CI. Required of music majors; development of skills in perceiving and writing music through the use of aural and visual analysis of examples from all historical periods of music literature.

Applied Music Courses (below)
PR: CI. 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.

MVW 2414 (MUS 204) APPLIED BASSOON (3)
MVW 2413 (MUS 204) APPLIED CLARINET (3)


MUT 1001 (MUS 101) RUDIMENTS OF MUSIC (3)
Open only to non-music majors; development of skills in hearing and performing music and in basic notation.
Applied Music Courses (below)
PR: Necessary competency at MUS 204 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 four quarters only.

MUS 2111, 2112, 2113 (MUS 211, 212, 213) INTRODUCTION TO MUSIC LITERATURE...
PR: MUS 204 or concurrent enrollment. A survey of representative music examplars of the past and present with emphasis on the study of styles and form. Required for music majors.

MUS 3116, 3117, 3118 (MUS 301, 302, 303) MUSIC THEORY
PR: MUS 203. Required of music majors; continuation of MUS 201-203.

Applied Music Courses (below)
PR: MUS 205. Theory and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing. To be taken concurrently with MUS 201, 202, 203.

MUS 2301, 2302, 2303 (MUS 204, 205, 206) APPLIED VIOLONCELLO
MUS 2304 (MUS 207) APPLIED VIOLIN
MUS 2305 (MUS 208) APPLIED TRUMPET
MUS 2306 (MUS 209) APPLIED TROMBONE/BARITONE
MUS 2307 (MUS 210) APPLIED BASSOON
MUS 2308 (MUS 211) APPLIED CLARINET
MUS 2309 (MUS 212) APPLIED VIOLA
MUS 2310 (MUS 213) APPLIED VIOLONCELLO
MUS 2311 (MUS 214) APPLIED TROMBONE/BARITONE
MUS 2312 (MUS 215) APPLIED VIOLIN
MUS 2313 (MUS 216) APPLIED VIOLONCELLO
MUS 2314 (MUS 217) APPLIED VIOLA
Improvisation Courses (below)
PR: MUS 203 and Cl. A studio course of study designed to acquaint the student with basic improvisational techniques; emphasis on individual performance. May be repeated for credit.

MUT 3631 (MUS 312) IMPROVISATION: FUNDAMENTAL TECHNIQUES (3)
MUT 3642 (MUS 312) IMPROVISATION: JAZZ TECHNIQUES (3)
MUT 3246, 3247, 3248 (MUS 321, 322, 323) ADVANCED AURAL THEORY (2,2,2)
PR: CI. 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 MUS 301, 302, 303.

MUE 3101 (MUS 326) BASIC CONDUCTING (2)
PR: CI. The study and practical application of basic conducting techniques. Development of skills related to the conducting of musical scores.

MUL 3002 (MUS 371) ISSUES IN MUSIC (2)
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)

MUL 3011, 3012 (MUS 372, 373) THE ENJOYMENT OF MUSIC (3,3)
Open only to non-music majors; a study of music and its materials, designed to develop an understanding of basic principles of music and a technique for listening to music.

Major Performing Organizations Courses (below)
PR: CI. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments; may be repeated for credit.

MUN 3310 (MUS 374) CHORAL UNION (1)
MUN 3501 (MUS 374) OPERA WORKSHOP (1)
MUN 3380 (MUS 374) UNIVERSITY COMMUNITY CHORUS (1)
MUN 3210 (MUS 374) UNIVERSITY ORCHESTRA (1)
MUN 3310 (MUS 374) UNIVERSITY SINGERS (1)
MUN 3140 (MUS 374) WIND ENSEMBLE (1)

Chamber Music Ensembles Courses (below)
PR: CI. Open to all university students with the necessary proficiency in their performing media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano; may be repeated for credit.

MUN 3430 (MUS 375) BRASS CHOIR (1)
MUN 3430 (MUS 375) BRASS QUINTET (1)
MUN 3340 (MUS 375) CHAMBER SINGERS (1)
MUN 3420 (MUS 375) CLARINET CHOIR (1)
MUN 3420 (MUS 375) FLUTE CHOIR (1)
MUN 3430 (MUS 375) HORN QUARTET (1)
MUN 3710 (MUS 375) JAZZ LABORATORY BAND (1)
MUN 3440 (MUS 375) MARIMBA ENSEMBLE (1)
MUN 3490 (MUS 375) NEW MUSIC ENSEMBLE (1)
MUN 3440 (MUS 375) PERCUSSION ENSEMBLE (1)
MUN 3450 (MUS 375) PIANO ENSEMBLE (1)
MUN 3410 (MUS 375) STRING QUARTET (1)
MUN 3420 (MUS 375) WOODWIND QUINTET (1)
MUN 3016 (MUS 376) HISTORY OF POPULAR MUSIC (2)

The first number is the State Common Course Number

Popular music in the U.S. from 1820 to the 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 Requirement by the non-major, and may be used to satisfy part of the 9 hours in College Requirement for Fine Arts majors in Art, Dance, and Theatre.

MUH 3211, 3212, 3213 (MUS 401, 402, 403) MUSIC HISTORY (3,3,3)
PR: CI. Required of music majors; a survey of the historical development of musical styles and of the music representative of those styles.

Applied Music Courses (below)
PR: Necessary competency at MUS 304 level determined by faculty jury examination. Required of all applied music majors. Private and class instruction in string, woodwind, bass, and percussion instruments, voice, and piano. May be repeated for credit four quarters only.

MUV 4444 (MUS 404) APPLIED BASSOON (3)
MUV 4443 (MUS 404) APPLIED CLARINET (3)
MVS 4444 (MUS 404) APPLIED DOUBLE BASS (3)
MUV 4441 (MUS 404) APPLIED FLUTE (3)
MYB 4442 (MUS 404) APPLIED FRENCH HORN (3)
MVS 4445 (MUS 404) APPLIED HARP (3)
MYV 4442 (MUS 404) APPLIED OBEO (3)
MYV 3111 (MUS 404) APPLIED PERCUSSION (3)
MYV 4441 (MUS 404) APPLIED PIANO (3)
MYV 4445 (MUS 404) APPLIED SAXOPHONE (3)
MYV 4443 (MUS 404) APPLIED TROMBONE/BARITONE (3)
MYV 4441 (MUS 404) APPLIED TRUMPET (3)
MYV 4445 (MUS 404) APPLIED TUBA (3)
MVS 4442 (MUS 404) APPLIED VIOLA (3)
MVS 4441 (MUS 404) APPLIED VIOLIN (3)
MYS 4443 (MUS 404) APPLIED VIOLONCELLO (3)
MYV 4441 (MUS 404) APPLIED VOICE (3)
MUC 4441, 4442, 4443 (MUS 405, 406, 407) ELECTRONIC MUSIC—DIGITAL SYNTHESIS (3,3,3)
PR: MUS 205 and CI. Computer assisted composition for conventional instruments; composition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 4203 (MUS 408) COMPOSITION (3)
PR: Necessary competency at MUS 308 level determined by faculty jury. Private instruction in original composition with composition lab meeting 5 times each quarter. Required of composition majors. May be repeated for four quarters.

MUT 4311, 4312 (MUS 410, 411) ORCHESTRA (3,3)
PR: CI. Intensive study and practice in scoring music for various combinations of instruments including symphony orchestra, band, and smaller ensembles of string, woodwind, brass, and percussion instruments. (Formerly MUS 510, MUS 511.)

Music Studio Pedagogy Courses (below)
PR: CI. May be elected by undergraduate music majors; emphasis on the business management of the music studio, the musical responsibilities of the studio teacher, the techniques of private instruction. May be repeated for credit for a maximum of 6 hours for the same section. (Formerly MUS 512.)

MVK 4641 (MUS 412) CLASS PIANO (3)
MYS 4640 (MUS 412) STRINGS (3)
MVV 4641 (MUS 412) VOICE (3)
MYW 4640 (MUS 412) WINDS & PERCUSSION (3)
### Applied Music Courses (below)

PR: Necessary competency at MUS 404 level determined by faculty jury. Required of all applied music majors. Private and class instruction in string, woodwind, brass, and percussion instruments, voice and piano. Must be repeated for credit for a minimum of 9 hours for majors. (Formerly MUS 504.)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 454</td>
<td>APPLIED BASSOON</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED CLARINET</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED DOUBLE BASS</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED FLUTE</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED FRENCH HORN</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED HARP</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED OBOE</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED PERCUSSION</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED PIANO</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED SAXOPHONE</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED TROMBONE/BARITONE</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED TRUMPET</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED TUBA</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED VIOLA</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED VIOLONCELLO</td>
<td>3</td>
</tr>
<tr>
<td>MUS 454</td>
<td>APPLIED VOICE</td>
<td>3</td>
</tr>
<tr>
<td>MUS 455,456,457</td>
<td>ELECTRONIC MUSIC</td>
<td>3,3,3</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVK 5751</td>
<td>PIANO, MASTER CLASS</td>
<td>2</td>
</tr>
<tr>
<td>MYS 5750</td>
<td>STRINGS, MASTER CLASS</td>
<td>2</td>
</tr>
<tr>
<td>MVS 5751</td>
<td>VOICE, MASTER CLASS</td>
<td>2</td>
</tr>
</tbody>
</table>

### Music Workshop Courses (below)

PR: CI. Intensive study in the specialized areas indicated below; open to teachers, University students, and secondary students; credit available to qualified students.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 5924</td>
<td>BAND WORKSHOP</td>
<td>2</td>
</tr>
<tr>
<td>MUS 5925</td>
<td>CHAMBER MUSIC WORKSHOP</td>
<td>2</td>
</tr>
<tr>
<td>MUS 5926</td>
<td>CHORUS WORKSHOP</td>
<td>2</td>
</tr>
<tr>
<td>MUS 5927</td>
<td>ORCHESTRA WORKSHOP</td>
<td>2</td>
</tr>
<tr>
<td>MUS 5929</td>
<td>STRING WORKSHOP</td>
<td>2</td>
</tr>
<tr>
<td>MUS 5965</td>
<td>DIRECTED STUDY</td>
<td>1-6</td>
</tr>
</tbody>
</table>

### Critical Analysis of Music Repertory

PR: CI. Required of music theory majors; study of the development of musical styles in western civilization from Antiqui-
Applied Music Courses (below)
PR: Necessary competency determined by faculty jury audition. Required of all applied music majors. Private and class instruction.

- (MUS 604) APPLIED BRASS (2-4)
- (MUS 604) APPLIED BRASS, SECONDARY (2-4)
- (MUS 604) APPLIED PERCUSSION, SECONDARY (2-4)
- (MUS 604) APPLIED PIANO, SECONDARY (2-4)
- (MUS 604) APPLIED STRINGS, SECONDARY (2-4)
- (MUS 604) APPLIED VOICE, SECONDARY (2-4)
- (MUS 604) APPLIED WOODWINDS, SECONDARY (2-4)

MUC 6444, 6445, 6446 (MUS 605, 606, 607)
ELECTRONIC MUSIC— ANALOG/DIGITAL SYSTEMS RESEARCH (4,4,4)
PR: CI. State-of-the-art compositional and performance applications; new concepts of electronic music synthesis; documentation and critical analysis of new repertory.

MUC 6251 (MUS 608) SEMINAR IN COMPOSITION (4)
PR: CI. Composition of music for any media; discussion of problems presented by the most current ideas in composition; evaluation of new music in seminar context. May be repeated for credit.

MUL 6410, 6411, 6412 (MUS 611, 612, 613)
KEYBOARD REPERTORY (3,3,3)
PR: CI. A study of style, history and performance practice in keyboard repertory including masterworks of all periods.

MUL 6624, 6625, 6626 (MUS 614, 615, 616) SONG LITERATURE (3,3,3)
PR: CI. Solo song literature from the 17th century through the contemporary with emphasis on German lieder, French songs, and contemporary English and American songs; special emphasis on performance.

MUL 6687 (MUS 617) SOLO VOCAL LITERATURE IN ORATORIO (4)
PR: CI. A survey of literature for the solo voice in oratorio from the 17th century to the present. Includes allied forms such as solo voice in cantatas and orchestra music.

MUL 6505 (MUS 618) SYMPHONIC LITERATURE (5)
PR: CI. A chronological study of the development of orchestral music; analysis and study of major works from a stylistic and biographical perspective.

MUL 6663, 6664 (MUS 619, 620) OPERA LITERATURE (4,4)
PR: CI. A chronological study of the development of opera from 1600 to the present; emphasis on the technical, stylistic, and performance aspects of opera.

MUL 6575 (MUS 621) TWENTIETH CENTURY MUSIC LITERATURE (5)
PR: CI. A study of the compositional techniques of composers from Debussy to the present; emphasis on counterpoint, harmonic structure, tonality, atonality, polytonality, texture, and serial technique.

The first number is the State Common Course Number

MUG 6256, 6257, 6258 (MUS 622, 623, 624)
CHORAL LITERATURE AND CONDUCTING (6,6,6)
PR: CI. Combination of seminar, classroom and laboratory types of experiences designed to provide depth in stylistic study of choral music literature and performance.

MUG 6930 (MUS 625) SEMINAR IN CONDUCTING (3)
PR: CI. Intensive study of conducting techniques with emphasis on interpretation of music scores and application in laboratory sessions. Sec. 001 Choral 002 Instrumental

MUT 6751, 6752, 6753 (MUS 626, 627, 628)
TEACHING OF MUSIC THEORY (4,4,4)
PR: CI. Comparative study of teaching techniques, procedures, and materials used in teaching the individual student in performance.

MUG 629 (MUS 629) STUDIO TEACHING SEMINAR (3)
PR: CI. Graduate standing in performance and CI; emphasis on techniques used in teaching the individual student in performance.

MUL 6565 (MUS 630) CHAMBER MUSIC LITERATURE (5)
PR: CI. A survey and stylistic analysis of chamber music repertory from 1750 through the present day; emphasis on aural recognition of representative works.

Major Ensemble Performance Courses (below)
PR: CI. Open to all university students with the necessary proficiency in their performing media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments; may be repeated for credit.

MUN 6315 (MUS 674) CHORAL UNION (1)
MUN 6315 (MUS 674) ORCHESTRA (1)
MUN 6315 (MUS 674) UNIVERSITY COMMUNITY CHORUS (1)
MUN 6215 (MUS 674) UNIVERSITY ORCHESTRA (1)
MUN 6215 (MUS 674) UNIVERSITY SINGERS (1)
MUN 6215 (MUS 674) WIND ENSEMBLE (1)
MUN 6215 (MUS 675) CHAMBER ENSEMBLE PERFORMANCE (1)

PR: CI. Open to all university graduate students with the necessary proficiency in their performance media; study and performance of music for small combinations of voices, string, woodwind, brass, or percussion instruments, and piano; may be repeated for credit.

MUS 6510 (MUS 681) DIRECTED RESEARCH PR: GR. Master's level. Repeatable. (S/U only.)
MUS 6793 (MUS 691) GRADUATE SEMINAR (2)
PR: CC May be repeated to a maximum of six credits.

MUS 6994 (MUS 694) GRADUATE INSTRUCTION METHODS (1-5)
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

MUS 6995 (MUS 695) GRADUATE RESEARCH METHODS (1-5)
Special course to be used primarily for the training of graduate research assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

MUS 697 (MUS 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

MUS 6976 (MUS 698) GRADUATE RECITAL PR: CC.
MUS 6971 (MUS 699) THESIS: MASTER'S Repeatable. (S/U only.)
NURSING (NUR)

Dean: G. R. MacDonald 
Professor: G. R. MacDonald; 
Associate 
Professors: P. Carbonell, M. Hayes; 
Assistant Professors: M. 
Applegate, N. Entrekik, J. Fanning, S. Fletcher, B. Germinc, C. 
Klopfenstein, L. Lloyd, L. Middent, J. Rayeck, B. Redding, M. 
Taylor; 
Instructors: P. Adams, K. Bryczynski, A. Grillot.

NUR 3410 (NUR 300) COMMUNITY HEALTH RESOURCES 
PR: Admission to nursing major or permission of faculty. Study of health resources in the community including voluntary and official health agencies. Consideration will be given to preventive and maintenance services as well as to hospitals and other institutional components of medical care. Also, will consider the roles, responsibilities, and relationships of personnel in the various health occupations with whom nurses work. Instruction will be multidisciplinary with seminars and selected field work experience.

NUS 3210 (NUR 301) HUMAN ANATOMY 
PR: BIO 201-202-203 (or equivalents). A course in basic human anatomy including cellular and organ system relationships as a foundation for normal and abnormal function. Lec.-lab.

HUN 3201 (NUR 302) NUTRITION 
PR: BIO 201-202-203 and CHM 211-212-213 (or equivalents). The study of normal and therapeutic nutrition for all age groups from infancy through senescence. Considers the effects of cultural, religious and socioeconomic factors in defining and modifying food patterns of individuals and groups.

NUR 3210 (NUR 303) NURSING PROCESS I 
PR: Admission to nursing major. An overview of the development of nursing and trends which will influence future practice. Attention will be directed to emerging roles and responsibilities of professional nurses in providing health services to individuals and families and relationships of nurses to clients and other health care personnel. Lec.-discussion sessions and related extra-class activities.

NUS 3211 (NUR 304) HUMAN PHYSIOLOGY 
PR: BIO 201, 202, 203 and CHM 211, 212, 213 (or equivalents). Basic functional features of the normal human body considered on a systematic basis. General content includes the cell and functional organization of the body, the function of the body systems, and limited attention to deviations from normal and application to nursing practice. Lec.-lab.

NUR 3320 (NUR 305) NURSING PROCESS II 
PR: NUR 303. Restricted to nursing majors. An introduction to the nursing process with emphasis on the initial phase of assessment of the health status of individuals seeking care in ambulatory settings. Opportunities are provided for continuing development of group process and interviewing skills as tools in the assessment process in nursing. Learning experiences include the application of biopsychosocial concepts and the utilization of selected psychomotor skills in nursing intervention with non-hospitalized individuals.

NUR 3340 (NUR 306) SEMINAR IN NURSING I 
PR: Preceding courses required for the nursing major or permission of faculty. This seminar provides opportunities for students to correlate various learning experiences, to exchange experiences and raise questions for group and faculty exploration. It serves as a vehicle for introducing nursing audit and peer review of nursing practice and as a means of dealing with the human problems characteristic of nursing practice. Issues, trends, legal aspects, management, and leadership principles will be considered within the framework of internal and external forces which structure nursing and determine its role in society. (S/U only.)

NUR 3211 (NUR 307) NURSING CORE I 
PR: Preceding courses required for the nursing major or permission of faculty. Nursing core courses are designed to enable progressive acquisition of concepts, knowledge, and skills essential to clinical nursing practice by building on previous general education, supporting and nursing courses. This sequence will be developed within the framework of the concepts of health to illness within the family. Content will include the family as a system, crises within the system, and developmental tasks throughout the life span. The student will continue development of the nursing process with particular emphasis on the intervention and planning phases based on theory in pathophysiology, pharmacology, and epidemiology.

NUR 3211 (NUR 308) NURSING INTERVENTION I 
PR: Preceding courses required for the nursing major or permission of faculty. This course involves the application of theoretical material in a clinical setting that will include care of hospitalized and non-hospitalized individuals of all ages who represent various levels of wellness and illness. Opportunities are provided for continuing development of the skills in the nursing process.

NUR 3935 (NUR 309) SEMINAR IN NURSING II 
PR: Preceding courses required for the nursing major or permission of faculty. Description same as NUR 306 Seminar in Nursing I. (S/U only.)

NUR 3121 (NUR 310) NURSING PROCESS LABORATORY 
PR or concurrent: NUR 305. Junior standing in nursing of permission of faculty. A student self-paced learning laboratory course directed toward development of competence in selected psychomotor and biopsychosocial assessment skills. Also, selected experiences in ambulatory care settings to facilitate application of assessment skills. (S/U only.)

NUR 3220 (NUR 340) BIOPSYCHOSOCIAL PATHOLOGY 
PR: NUR 302, 304, or equivalent. Interferences in biopsychosocial organization and function and the ways in which disruptions manifest themselves in signs, symptoms, physical and laboratory findings.

NUR 3240 (NUR 350) CONCEPTUAL FRAMEWORK FOR PROFESSIONAL NURSING PRACTICE 
PR: RN students only or permission of the faculty. Exploration of the major concepts underlying professional nursing practice, the trends and issues relating to the role and responsibility of nursing in the health care system, and introduction to the nursing process.

NUR 3340 (NUR 351) CLIENT ASSESSMENT 
PR: NUR 340 or concurrent registration. RN students only. Expands knowledge and skills essential for biopsychosocial assessment of needs of clients and families in primary, secondary, or tertiary care settings.

NUR 3241 (NUR 352) PLANNING, IMPLEMENTING, AND EVALUATING NURSING INTERVENTION 
PR: NUR 305, 351 or concurrent registration. RN students only. Focuses on using assessment skills as basis for planning, implementing, and evaluating nursing intervention for multi-problem clients in both distributive and episodic settings.

NUR 3229 (NUR 353) NURSING PRACTICUM I 
PR: NUR 352 or concurrent registration. RN students only. Clinical practice providing experience in application of the nursing process with selected multi-problem clients in selected distributive and/or episodic care settings. (S/U only.)

NUR 4220 (NUR 400) NURSING CORE II 
PR: Preceding courses for the nursing major or permission of faculty. Continuing development of the nursing process with particular emphasis on the evaluation phase. Concepts of leadership and the role of the professional nurse as a change agent are emphasized.

NUR 4220 (NUR 401) NURSING INTERVENTION II 
PR: Preceding courses for the nursing major or permission of
The first number is the State Common Course Number

faculty. Application of theory in a clinical setting with clients of all ages who represent various levels of wellness and illness.

**NUR 4935 (NUR 402) SEMINAR IN NURSING III** (2)
PR: Preceding courses required for the nursing major or permission of faculty. Description same as NUR 306 Seminar in Nursing I. (S/U only.)

**NUR 4630 (NUR 403) NURSING INQUIRY I** (3)
PR: A course in elementary statistics. For Nursing majors only. This course will emphasize the relationship between research and the improvement of nursing practice and health care; attention will be directed toward the need for research in nursing, areas currently being investigated, ethical issues, the research process and the implementation of the results of nursing research.

**NUU 4221 (NUR 404) NURSING CORE III** (5)
PR: Senior standing in nursing or permission of faculty. Students continue development of the nursing process with emphasis on synthesis of the four phases based on theory in pathophysiology, pharmacology and epidemiology. Leadership concepts in the total nursing process introduced.

**NUU 2421 (NUR 405) NURSING INTERVENTION III** (5)
PR: Senior standing in nursing or permission of faculty. Application of theoretical knowledges in a clinical setting that will include care of hospitalized and non-hospitalized individuals of all ages who represent various levels of wellness and illness. Provision made for the development of skills in the synthesis of all phases of nursing process as well as utilizing leadership concepts.

**NUR 4935 (NUR 406) SEMINAR IN NURSING IV** (2)
PR: Preceding courses required for the nursing major or permission of faculty. Description same as NUR 306 Seminar in Nursing I. (S/U only.)

**NUU 4432 (NUR 407) NURSING CORE IV** (3)
PR: Senior standing in nursing or permission of faculty. Students continue development of the nursing process with emphasis on management of nursing assistance to clients.

**NUR 4943 (NUR 408) NURSING INTERVENTION IV** (7)
PR: Senior standing or permission of faculty. This final course, in a Nursing Intervention sequence of four, will provide opportunity for concentrated clinical nursing experience under faculty guidance. The nature and goals of the experience will be determined collaboratively by students, faculty, and personnel from the clinical settings where students elect to have this experience. (S/U only.)

**NUR 4935 (NUR 409) SEMINAR IN NURSING V** (2)
PR: Preceding courses required for the nursing major or permission of faculty. Description same as NUR 306 Seminar in Nursing I. (S/U only.)

**NUR 4910 (NUR 412) INDEPENDENT STUDY** (1-5)
PR: Open to major and non-majors with faculty permission. Individual or group investigation of special problems relevant to the health of individuals or groups. Direct service to individuals or groups may be involved. Project requirements (e.g., oral and written reports, conferences, etc.) will be determined on an individual basis by faculty preceptors. May be repeated up to a total of 5 quarter credit hours.

**NUU 4422 (NUR 450) NURSING PROCESS SYNTHESIS** (5)
PR: NUR 352. RN students only. Continuation of NUR 351 and 352 with emphasis on the leadership, teaching and management responsibilities in professional nursing practice.

**NUU 4422 (NUR 451) NURSING PRACTICUM II** (3-5)
PR: NUR 450 or concurrent registration. RN students only. Application of theories developed in NUR 450 to nursing practice in selected settings. Contract learning experiences of individual students (S/U only.)

**NUR 4943 (NUR 458) NURSING PRACTICUM III** (5-7)
PR: All previous courses except NUR 412 and 483. Individually planned experience in a clinical and/or functional area of professional nursing which is related to student’s professional goals. Associated seminars and/or institutes. (S/U only.)

**NUR 4930 (NUR 483) 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. (S/U only.)

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**OFF-CAMPUS TERM (OCT)**

**IDS 4905 (OCT 411) OFF CAMPUS TERM INDEPENDENT STUDY** (1-2)
(S/U only.)

**IDS 4955 (OCT 412) OFF CAMPUS TERM INTERNATIONAL PROGRAM** (1-2)
(S/U only.)

**IDS 4943 (OCT 414) OFF CAMPUS TERM SPECIAL PROJECT** (1 or 2)
(S/U only.)

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**PHILOSOPHY (PHI)**

**PHI 1103 (PHI 113) PRACTICAL LOGIC** (2)
Elementary theory and application of logical fallacies, deductive and inductive logic. Not for majors.

**PHI 3500 (PHI 301) BASIC PHILOSOPHY I: GOD AND REALITY** (4)
An introduction to the major philosophical problems in religion, metaphysics, and the philosophy of mind.

**PHI 3100 (PHI 303) LOGIC** (5)
Language analysis and classical and modern formal logic, including the logic of classes and propositions, and discussion of philosophical issues.
<table>
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<tr>
<th>Course Number</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3404 (PHI 304)</td>
<td>SCIENTIFIC METHOD</td>
<td>Probability, inductive inference, the hypothetico-deductive method, experimentation, and selected topics in the philosophy of science.</td>
</tr>
<tr>
<td>PHI 3050 (PHI 311)</td>
<td>BASIC PHILOSOPHY II: VALUE AND SOCIETY</td>
<td>An introduction to the major philosophical problems in ethics, aesthetics, and social political philosophy.</td>
</tr>
<tr>
<td>PHI 3300 (PHI 317)</td>
<td>BASIC PHILOSOPHY III: KNOWLEDGE AND SCIENCE</td>
<td>An introduction to the major philosophical problems in methodology, epistemology, and the philosophy of science.</td>
</tr>
<tr>
<td>PHI 3600 (PHI 321)</td>
<td>ETHICS</td>
<td>An examination of the writing of the philosophers: Plato, Aristotle, Kant, Sartre, etc., about moral problems and principles.</td>
</tr>
<tr>
<td>PHI 3060 (PHI 333)</td>
<td>ANCIENT AND MEDIEVAL PHILOSOPHY</td>
<td>A survey of Philosophy from Thales through the medieval writers.</td>
</tr>
<tr>
<td>PHI 3063 (PHI 334)</td>
<td>RENAISSANCE AND MODERN PHILOSOPHY</td>
<td>A survey of philosophy from the Renaissance through Kant.</td>
</tr>
<tr>
<td>PHI 3070 (PHI 335)</td>
<td>RECENT PHILOSOPHY</td>
<td>A survey of philosophy from Kant through nineteenth century philosophy.</td>
</tr>
<tr>
<td>PHI 3700 (PHI 341)</td>
<td>PHILOSOPHY OF RELIGION</td>
<td>Analysis of religious experience and activity and examination of principal religious ideas in light of modern philosophy. (Formerly PHI 411.)</td>
</tr>
<tr>
<td>PHP 3786 (PHI 351)</td>
<td>EXISTENTIALISM</td>
<td>A study of the religious and atheistic existentialists and the bearing of their views on religion, ethics, metaphysics, and theory of knowledge. (Formerly PHI 407.)</td>
</tr>
<tr>
<td>PHM 3100 (PHI 377)</td>
<td>SOCIAL PHILOSOPHY</td>
<td>An analysis of rival theories of social order and their philosophical foundations.</td>
</tr>
<tr>
<td>PHM 3222 (PHI 378)</td>
<td>PHILOSOPHIES OF THE CITY</td>
<td>A study of the current issues in the philosophy of the city including the nature of community, alienation and the city, art and the city, political philosophy of the city, the city and business, nature versus the city, the city and beauty, etc . . . For majors and non-majors.</td>
</tr>
<tr>
<td>PHI 3905 (PHI 381)</td>
<td>DIRECTED STUDY</td>
<td>A study of the fundamental concepts of law from a philosophic standpoint including crime, justice, punishment, free speech, insanity, etc.</td>
</tr>
<tr>
<td>PHI 3930 (PHI 383)</td>
<td>SELECTED TOPICS</td>
<td>PR: CI. Selected topics according to the needs of the student. Approval slip from instructor required.</td>
</tr>
<tr>
<td>— (PHI 395)</td>
<td>INTRODUCTION TO PHILOSOPHY OF LAW</td>
<td>—</td>
</tr>
<tr>
<td>PHI 4600 (PHI 405)</td>
<td>CONTEMPORARY PHILOSOPHY</td>
<td>PR: 8 hours or CI. Selected schools of twentieth century thought such as idealism, positivism, pragmatism, realism, and existentialism.</td>
</tr>
<tr>
<td>PHP 4784 (PHI 406)</td>
<td>ANALYTICAL PHILOSOPHY</td>
<td>PR: 8 hours, PHI 303. A study of the method devoted to clarifying philosophical problems through analysis of the language in which these problems are stated.</td>
</tr>
<tr>
<td>PHP 4788 (PHI 408)</td>
<td>PHILOSOPHY OF MARXISM</td>
<td>PR: CI. A critical survey of Marxist philosophy from Marx and Engels to Mao Tse-Tung and Herbert Marcuse. Hegelian foundations of Marxist philosophy analyzed in detail.</td>
</tr>
<tr>
<td>PHH 4821 (PHI 409)</td>
<td>CLASSICAL CHINESE PHILOSOPHY</td>
<td>PR: PHI 301 or 311 or 317 or CI. Examination of the major classical Chinese philosophers from the sixth century through the third century B.C.</td>
</tr>
<tr>
<td>PHH 4824 (PHI 410)</td>
<td>CONTEMPORARY CHINESE PHILOSOPHY</td>
<td>PR: PHI 301 or 311 or 317 or CI. A critical examination of the ideas of Lin Piao, Hu-Shih, Mao Tse-Tung, Sun Yat-Sen, Chiang Kai-Shek, Lin Yu-Tang and other selected materials.</td>
</tr>
<tr>
<td>PHH 4700 (PHI 413)</td>
<td>AMERICAN PHILOSOPHY</td>
<td>Major traditions in American thought—Puritanism, The Enlightenment, Transcendentalism, Idealism, Pragmatism, and Analytic Philosophy—in relation to American culture.</td>
</tr>
<tr>
<td>PHP 4000 (PHI 415)</td>
<td>PLATO</td>
<td>PR: 8 hours of Philosophy or CI. The examination of Plato will include the dialogues Protagoras, Gorgias, Meno, Republic, etc.</td>
</tr>
<tr>
<td>PHP 4010 (PHI 416)</td>
<td>ARISTOTLE</td>
<td>PR: 8 hours of Philosophy or CI. Study of Aristotle’s philosophy.</td>
</tr>
<tr>
<td>PHI 4320 (PHI 421)</td>
<td>PHILOSOPHY OF MIND</td>
<td>PR: 8 hours of Philosophy or CI. A study of historical and current issues in philosophy of mind, including the nature and status of mind, mind/body dualism, the relationship of mind and body, the problem of other minds, the physical basis for intelligence, etc.</td>
</tr>
<tr>
<td>PHI 4805 (PHI 422)</td>
<td>AESTHETICS</td>
<td>A study of traditional and contemporary aesthetic theories with emphasis on creative process, the nature of the art work, the aesthetic response, expressiveness, form and content as well as art and morality.</td>
</tr>
<tr>
<td>PHP 4410 (PHI 425)</td>
<td>KANT</td>
<td>PR: 8 hours of Philosophy or CI. Lecture and discussions of Kant’s philosophy, especially The Critique of Pure Reason.</td>
</tr>
<tr>
<td>PHI 4360 (PHI 453)</td>
<td>THEORY OF KNOWLEDGE</td>
<td>PR: 8 hours of Philosophy, PHI 317, or CI. An examination of human knowledge, its scope and limits, and an evaluation of evidence, criteria of truth, the nature of belief, conditions for meaningfulness, theories of perception, and a study of memory and sense perception in the four major fields of nature, history, personal experience, and the a priori.</td>
</tr>
<tr>
<td>PHM 4322 (PHI 461)</td>
<td>ANCIENT AND MEDIEVAL POLITICAL PHILOSOPHY</td>
<td>An introduction to political philosophy from 6 B.C. until 1600 A.D. including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.</td>
</tr>
<tr>
<td>PHM 4331 (PHI 463)</td>
<td>MODERN POLITICAL PHILOSOPHY</td>
<td>A survey of political philosophy from 1600 A.D. until 1900 A.D., including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.</td>
</tr>
<tr>
<td>PHP 4340 (PHI 465)</td>
<td>CONTEMPORARY POLITICAL PHILOSOPHY</td>
<td>A survey of political philosophy in the twentieth century, including an examination of the ethical, metaphysical, and epistemological bases of these philosophies.</td>
</tr>
<tr>
<td>PHI 4905 (PHI 481)</td>
<td>DIRECTED STUDY</td>
<td>PR: CI. Individual study directed by a faculty member. Approval slip from instructor required.</td>
</tr>
<tr>
<td>PHI 4930 (PHI 483)</td>
<td>SELECTED TOPICS</td>
<td>PR: CI. Selected topics according to the needs of the senior students. Approval slip from instructor required.</td>
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</tbody>
</table>
| PHI 5455 (PHI 507) | PHILOSOPHY OF NATURAL SCIENCE | PR: 8 hours or CI. The function of the course is to investigate
(1) problems in the methodology of natural science such as the constructing and testing of hypotheses, confirmation and falsification of theories, explanations and the role of laws and models, (2) philosophical implications of the theories of natural science, especially in the areas of space, time, and matter.

**PHI 5425 (PHI 586) PHILOSOPHY OF THE SOCIAL SCIENCES** (4) PR: 8 hours or CI. Philosophic issues arising in the social sciences: value assumptions, laws and theories, models, etc.

**PHI 5135 (PHI 590) SYMBOLIC LOGIC** (4) PR: PHI 303 or CI. Mathematical treatment of formal logic, including methods of proof, quantification, the logic of relations and an introduction to properties of deductive systems.

**PHI 5705 (PHI 531) CONTEMPORARY CONTROVERSES IN PHILOSOPHY OF RELIGION** (4) PR: PHI 411 or CI. A survey of contemporary philosophical problems in religion such as demythologizing, falsification, and the meaning and justification of key concepts. e.g. God, immortality, faith, etc.

**PHI 5225 (PHI 532) PHILOSOPHY OF LANGUAGE** (4) PR: 8 hours of Philosophy, major in linguistics, or CI. An examination of semantical, syntactical, and functional theories of language with special attention given to the problems of meaning, linguistic reference, syntactical form, and the relations between scientific languages and ordinary linguistic usage.

**PHI 5505 (PHI 543) PHILOSOPHY OF HISTORY** (4) PR: 8 hours of philosophy, major in history, or CI. A systematic study of historical theories and of the methods of historical explanation. An examination of classical theories from Vico through Herder, Hegel, Marx down to Spengler and Toynbee, etc.

**PHI 5777 (PHI 551) PHENOMENOLOGY AND EXISTENTIALISM** (4) PR: 8 hours of philosophy or CI. A study of the methodology, epistemology and metaphysics of phenomenology and existentialism, with particular reference to the works of Husserl, Heidegger, Merleau-Ponty, and Sartre.

**PHI 5325 (PHI 571) SEMINAR IN EPISTEMOLOGY I** (3) PR: Major in philosophy or psychology and CI. This course may be taken more than once for credit with CI and departmental approval.

**PHI 5365 (PHI 572) SEMINAR IN EPISTEMOLOGY II** (3) PR: Major in philosophy or social science and CI. This course may be taken more than once for credit with CI and departmental approval.

**PHI 5585 (PHI 573) SEMINAR IN METAPHYSICS I** (3) PR: Major in philosophy or CI. Cosmology. This course may be taken more than once for credit with CI and departmental approval.

**PHI 5505 (PHI 574) SEMINAR IN METAPHYSICS II** (3) PR: Major in philosophy or CI. A consideration of the theory of reality. This course may be taken more than once for credit with CI and departmental approval.

**PHI 5606 (PHI 575) SEMINAR IN CONTEMPORARY ETHICS** (3) PR: CI. A study of the central figures and doctrines in Contemporary Ethics. This course may be taken more than once for credit with CI and departmental approval.

**PHI 5934 (PHI 583) SELECTED TOPICS** (1-5) PR: CI. Selected topics according to the needs of the student. Approval slip from instructor required.

**PHI 5913 (PHI 585) RESEARCH** (1-5) PR: CI. Individual research supervised by a faculty member. Approval slip from instructor required.

**PHI 5005 (PHI 591) SEMINAR IN THE HISTORY OF PHILOSOPHY** (3) PR: CI. A study of one or more of the central figures or move-

The first number is the State Common Course Number
The second number (in parentheses) is the USF Course Number

**PHI 6934 (PHI 683) SELECTED TOPICS**
PR: Graduate standing and Cl. Selected topics according to the needs of the student. Approval slip from instructor required.

**PHI 6938 (PHI 691) GRADUATE SEMINAR**
PR: Graduate standing. A seminar in the history of philosophy. The instructor will determine the subject matter.

**PHI 6945 (PHI 694) GRADUATE INSTRUCTION METHODS**
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

**PHI 6971 (PHI 699) THESIS:MASTER'S**
Repeatable. (S/U only.)

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**PHYSICAL EDUCATION-ELECTIVE (PEB)**

**Director:** R. T. Bowers; **Professors:** R. T. Bowers, R. E. Heeschen, G. W. Hertz; **Associate Professors:** D. L. Holcomb, A. J. Jonatins, S. W. Prather, Jr., S. C. Taylor, J. E. Young; **Assistant Professors:** H. A. Honker, I. Trice; **Lecturers:** M. J. Cheatham

**PEN 1121 (PEB 132) SWIMMING I** (2) Development and refinement of the essential skills and information necessary for enjoying swimming. Emphasis on personal safety. (S/U only.)

**PEN 1141 (PEB 151) ARCHERY** (2) Development and refinement of the essential skills and information necessary for enjoying the sport of Archery. (S/U only.)

**PEL 1346 (PEB 153) BADMINTON** (2) Progressive experiences in Badminton, fundamental skills, strategy, information, and participation. (S/U only.)

**DAA 1310 (PEB 161) FOLK & SQUARE DANCE** (2) An opportunity for the development of fundamental skills and knowledges necessary for enjoyment of Folk and Square Dancing. (S/U only.)

**PEM 1461 (PEB 171) FOIL FENCING** (2) Progressive experiences in the sport of Foil Fencing, fundamental skills, strategy, information, and participation. (S/U only.)

**PEL 1121 (PEB 173) GOLF I** (2) Introductory experience in the sport of golf. Fundamental skills, information, strategy, and participation. (S/U only.)

**PEL 1201 (PEB 175) GYMNASTICS I** (2) Introductory experiences in the various gymnastics events. Opportunities to specialize in areas of personal interests. (S/U only.)

**PEL 1341 (PEB 179) TENNIS I** (2) Introductory experiences in the sport of tennis. Basic skills; playing strategies, lecture, demonstration; and participation. (S/U only.)

**PEM 2102 (PEB 200) SPECIAL CONDITIONING** (2) Varied activities designed to increase the functional ability of the different aspects of physical fitness. (S/U only.)

**PEM 2104 (PEB 202) INDIVIDUAL PROGRAMMING** (2) Individually prescribed and performed conditioning activities. (S/U only.)

**PEL 2320 (PEB 210) BASKETBALL-VOLLEYBALL** (2) Review and refinement of fundamental skills, presentation and practice of the various offensive and defensive strategies. (S/U only.)

**PEL 1511 (PEB 212) SOCCER** (2) A course designed to present essential knowledge of the game of soccer. Instruction and practice of basic skills, rules, team play, and conditioning. (S/U only.)

**PEN 2251 (PEB 220) CANOEING** (2) PR: PEB 132 or equivalent. Development and refinement of the skills necessary for enjoying canoeing. Skills, safety techniques and trips. (S/U only.)

**PEM 2375 (PEB 222) BACKPACKING** (2) Introductory experiences designed to develop the physical skills and the mental attitude necessary to travel safely, efficiently, and considerably in the wilderness setting. (S/U only.)

**PEM 2321 (PEB 226) ROCK CLIMBING** (2) Introductory experiences in basic rock climbing techniques and related skills. (S/U only.)

**PEN 2122 (PEB 232) SWIMMING II** (2) PR: PEB 132 or equivalent. Continuation of PEB 132. Special emphasis on development of endurance and efficient stroking. (S/U only.)

**PEN 2113 (PEB 236) LIFE SAVING** (2) PR: PEB 232 or equivalent. Knowledges and skills necessary for saving one's self or others in the event of aquatic emergency. (S/U only.)

**PEN 2135 (PEB 238) SKIN & SCUBA DIVING** (2) PR: PEB 232 or equivalent. Development of the essential skills and knowledges necessary for enjoying the sport of Skin & Scuba Diving. Correct utilization and care of equipment; emphasis on personal safety. (S/U only.)

**PEN 2141 (PEB 240) SYNCHRONIZED SWIMMING** (2) Introductory experiences in synchronized swimming. Emphasis on essential skills; music interpretation; and choreography. (S/U only.)

**PEL 2430 (PEB 250) HANDBALL-PADDLEBALL** (2) Development and refinement of the skills and strategies of Handball and Paddleball with opportunity for competition and tournament play. (S/U only.)

**PEM 2131 (PEB 252) WEIGHT TRAINING** (2) Knowledges and techniques necessary for increasing muscle function. Assessment of status and development of a personal program. (S/U only.)

**PEM 2421 (PEB 254) WRESTLING** (2) Progressive experiences in the sport of Wrestling. Fundamental skills, strategy, information, and participation. (S/U only.)

**PEM 2441 (PEB 256) KARATE** (2) Introductory experiences in the sport of Karate. Fundamental skills, strategy, information, and participation. (S/U only.)

**PEM 2107 (PEB 260) FIGURE DEVELOPMENT** (2) Varied activities designed to effect changes in body configuration and functional ability. (S/U only.)

**PEM 2141 (PEB 270) AEROBICS** (2) Introduction o the knowledges and techniques necessary for increasing cardiorespiratory efficiency. Assessment of status and development of a personal program. (S/U only.)

**PEL 2122 (PEB 273) GOLF II** (2) Continuation of PEB 173. Emphasis on course play and refinement of strokes. (S/U only.)

**PEM 2202 (PEB 275) GYMNASTICS II** (2) Continuation of PEB 175. Extended opportunities to master the various gymnastics events. Competition and individual routines. (S/U only.)

**PEM 2160 (PEB 276) WEIGHT CONTROL** (2) Introduction to the knowledges and techniques necessary for effecting a change in a body composition. Assessment of status and development of a personal program. (S/U only.)

**PEL 2342 (PEB 279) TENNIS II** (2) Continuation of PEB 179. Refinement of basic skills, supplementary strokes; greater emphasis on tactics and playing strategies. (S/U only.)

**PET 2330 (PEB 290) HUMAN KINESIOLOGY I** (2) An introduction to the structure and function of the skeletal...
and neuromuscular systems in reference to their support of vigorous human movement. (S/U only.)

PET 2340 (PEB 291) HUMAN KINESIOLOGY II
PR: PEB 290. An introduction to the mechanical principles which govern human movement. (S/U only.)

PHYSICS (PHY)


PHY 2050 (PHY 201-202) GENERAL PHYSICS AND LABORATORY
First quarter of 3-quarter sequence of general physics (mechanics, heat, electricity, wave motion, optics, atomic and nuclear physics) and laboratory for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. Qtr. I, II, III, IV.

PHY 2051 (PHY 203-204) GENERAL PHYSICS AND LABORATORY
PR: PHY 201-202. Second quarter of general physics and lab for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. Qtr. I, II, III, IV.

PHY 2052 (PHY 205-206) GENERAL PHYSICS AND LABORATORY
PR: PHY 201-202. Third quarter of general physics and lab for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. Qtr. I, II, III, IV.

PHY 2038 (PHY 271) ENERGY AND HUMANITY
This course, which is primarily qualitative and discussion oriented, and designed for students of all disciplines and backgrounds, looks at the social, economic, and political aspects of the U.S. and world energy situations. This down-to-earth course, which tells it like it is, seeks to get students involved, teach them how to conserve energy for profit, and show them how to use energy as a complementary energy source for both residential and commercial purposes. Field trips, movies, and current energy-related news articles play important roles in this course. (For non-majors.) Qtr. I, II, III, IV.

PHY 3040 (PHY 301-302) GENERAL PHYSICS AND LABORATORY
CR: MTH 302 or MTH 351. First quarter of 3-quarter sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity and magnetism) and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. Qtr. I, II, III, IV.

PHY 3041 (PHY 303-304) GENERAL PHYSICS AND LABORATORY
PR: PHY 301-302: CR: MTH 303 or MTH 352. Second quarter of general physics and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. Qtr. I, II, III, IV.

PHY 3042 (PHY 305-306) GENERAL PHYSICS AND LABORATORY
PR: PHY 301-302; CR: MTH 303 or MTH 352. Third quarter of general physics for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. Qtr. I, II, III, IV.

PHY 3223 (PHY 307) MECHANICS I

PEQ 3115 (PEB 364) WATER SAFETY INSTRUCTION
PR: PEB 226. Examination of the various swimming strokes leading to identification of appropriate methods and techniques for instructing others. ARC certification offered. (S/U only.)

PHY 3323 (PHY 309) ELECTRICITY AND MAGNETISM I
PR: MTH 305 or MTH 354. Electromagnetic circuits; resistance, capacitance, inductance, direct- and alternating-current circuits, thermoelectricity and instrumentation. Laboratory. First quarter of sequence PHY 309-409-419. Qtr. II.

PHY 3102 (PHY 311) PROBLEMS IN GENERAL PHYSICS I
CR: PHY 301. First quarter of three quarter sequence of general physics problems. A course designed to allow those interested students to investigate problems not covered in the general physics course. Lec. Qtr. I, II, III, IV.

PHY 3103 (PHY 312) PROBLEMS IN GENERAL PHYSICS II

PHY 3104 (PHY 313) PROBLEMS IN GENERAL PHYSICS III
CR: PHY 305. Third quarter of sequence PHY 311-312-313, Qtr. I, II, III, IV.

PHY 3101 (PHY 315) MATHEMATICAL ANALYSIS OF PROBLEMS IN MECHANICS AND ELECTRICITY
PR: One year of non-calculus general physics. CR: MTH 305 or MTH 354. Designed for students who have not had the general physics sequence using calculus. Review of mechanics and electricity emphasizing problems which involve the use of calculus. Qtr. I, III.

PHY 3123 (PHY 322) MODERN PHYSICS I

PHY 3423 (PHY 331) OPTICS
PR: PHY 305 or PHY 315. CR: MTH 304 or MTH 353. Reflection, refraction, dispersion, interference, diffraction, polarization and laboratory. Qtr. I.

PHY 3822 (PHY 341) INTERMEDIATE LABORATORY
CR: PHY 205 or PHY 305 or equivalent. Experiments in modern physics, including the area of atomic, nuclear, solid state and wave phenomena. Qtr. I, III.

PHY 3020 (PHY 371) CONTEMPORARY PHYSICS
PR: Junior standing. A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today. (No credit for physics or mathematics majors.) Qtr. I, II, III.

PHY 4523 (PHY 405) STATISTICAL PHYSICS
CR: PHY 323 or PHY 423. Statistical approach to thermodynamics and kinetic theory and introduction to statistical approach to thermodynamics and kinetic theory and introduction to statistical mechanics. Qtr. I.

PHY 4224 (PHY 407) MECHANICS II
PR: PHY 307 and MTH 401. Continuation of PHY 307. Motion of a group of particles, coupled oscillators, normal modes, dynamics of rigid bodies. Lagrange's and Hamilton's equations, principle of least action. Qtr. II.

PHY 4324 (PHY 409) ELECTRICITY AND MAGNETISM II
fields, magnetic fields of steady currents, dielectrics and magnetic materials, Maxwell’s equations. Second quarter of sequence PHY 309, 409, 419. Qtr. III.

**PHYS 4814 (PHY 415) FUNDAMENTAL ACOUSTICS (4)**
PR: PHY 307 or CI. Vibrations of elastic media, sound generation and propagation. Acoustical, electrical and mechanical energy conversion. Underwater acoustics. Qtr. IV.

**PHYS 4225 (PHY 417) MECHANICS III (3)**
PR: PHY 407. Continuation of PHY 407. Elastic media, the wave equation, transverse and longitudinal wave motion, the diffusion equation, boundary value problems and Fourier series. Fourier integral, fluid dynamics. Qtr. III.

**PHYS 4325 (PHY 419) ELECTRICITY AND MAGNETISM III (3)**

**PHYS 4404 (PHY 421) SOLID STATE PHYSICS I (4)**
PR: PHY 323 or PHY 423; MTH 401. Crystal structure, x-ray and electron diffraction, mechanical and thermal properties of solids, electrical and magnetic properties of metals, band theory of metals insulators and semiconductors. First quarter of sequence PHY 421-521. Qtr. II.

**PHYS 4744 (PHY 422) ELECTRONICS FOR RESEARCH (4)**
PR: General Physics or CI. Direct and alternating current circuits, transistors, rectification, amplification; feedback, pulse circuits, and integrated circuits, laboratory. (No credit for physics or mathematics majors.) Qtr. I, III.

**PHYS 4124 (PHY 423) MODERN PHYSICS II (3)**
PR: PHY 323 or CI, MTH 401. Special theory of relativity, statistical distribution functions, angular momentum, system of identical particles, and properties of matter. Qtr. I.

**PHYS 4604 (PHY 437) QUANTUM MECHANICS I (3)**
PR: PHY 423 or CI. Wave-particle duality, uncertainty principle, Schrodinger’s equation, postulates, angular momentum, and central forces. First quarter of sequence PHY 437-537. Qtr. II.

**PHYS 4823 (PHY 441) ADVANCED LABORATORY (2)**
PR: PHY 341. Experimental work primarily related to nuclear physics. Emphasis on modern physical experimental techniques employing some of the new types of equipment. Qtr. I, III.

**PHYS 4806 (PHY 470) ACOUSTICS FOR COMMUNICATOLOGY (4)**
Non-mathematical study of general wave motion and associated phenomena. Acoustic resonance and response of the ear. Introduction to harmonic analysis of complex wave-forms with application to testing with pure tones and various types of waves. Acoustic instrumentation. (No credit for science majors.) Qtr. I, II.

**PHYS 4910 (PHY 481) UNDERGRADUATE RESEARCH (1-6)**
PR: Senior or advanced junior standing and CC. Individual experimental work under supervision of instructor. (S/U only.) Qtr. I, II, III, IV.

**PHYS 4936 (PHY 483) SELECTED TOPICS IN PHYSICS (1-6)**
PR: Senior or advanced junior standing and CC. Each topic is a course in directed study under the supervision of a faculty member.

**PHYS 4930 (PHY 491) PHYSICS SEMINAR (1)**
PR: Senior or advanced junior standing or CC. All undergraduate physics majors must enroll in this course at least twice and are expected to attend all Physics Colloquia. (S/U only.) Qtr. I, II, III, IV

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**PHYS 497 (PHY 497) INDEPENDENT STUDY (1-4)**
PR: CI. Specialized, independent study determined by the student’s need and interest. The written contract required by the College of Natural Sciences specifies the regulations governing independent study. May be repeated. (S/U only.) Qtr. I, II, III, IV.

**PHYS 5303 (PHY 501) NUCLEAR PHYSICS (4)**
PR: PHY 437 or CI. Nuclear forces, nuclear models, nuclear structure, decay, nuclear reactions, and high energy physics. Qtr. I.

**PHYS 5305 (PHY 517) PLASMA PHYSICS I (4)**
PR: PHY 419 or CI. Introduction to Boltzmann, magnetohydrodynamic and orbit approaches to plasmas. Longitudinal and electromagnetic waves in plasmas. Collisions and radiation. Instabilities. Qtr. IV.

**PHYS 5405 (PHY 521) SOLID STATE PHYSICS II (3)**

**PHYS 5722 (PHY 523) ELECTRONICS (4)**
PR: PHY 409 and PHY 341. Vacuum and gas-discharge tubes, semiconductors, transistors, electronic circuit analysis and laboratory. Qtr. II.

**PHYS 5624 (PHY 537) QUANTUM MECHANICS II (3)**
PR: PHY 437 or CI. Matrix mechanics, approximation methods, transformations, scattering and identical particles. Qtr. III.

**PHYS 5513 (PHY 541) METHODS OF THEORETICAL PHYSICS I (3)**
PR: MTH 401 or CI. Applications of mathematical techniques to classical and modern physics. Vector spaces including Hilbert space and Dirac notation, elements of vector and tensor analysis, matrices, group representations, eigenvalue problems, and variational calculus. Qtr. I.

**PHYS 5514 (PHY 542) METHODS OF THEORETICAL PHYSICS II (3)**
PR: MTH 401 or CI. Applications of mathematical techniques to classical and modern physics. Elements of complex analysis including conformal mapping and calculus of residues, Fourier analysis, and transform calculus. Qtr. II.

**PHYS 5515 (PHY 543) METHODS OF THEORETICAL PHYSICS III (3)**
PR: MTH 401 or CI. Applications of mathematical techniques to classical and modern physics. Orthogonal and special functions, integral equations, Green’s functions, methods of data analysis, and approximation techniques. Qtr. III.

**PHYS 5937 (PHY 583) SELECTED TOPICS IN PHYSICS (1-6)**
PR: Senior or advanced standing and CC. Each topic is a course in directed study under the supervision of a faculty member.

**PHYS 6204 (PHY 601) ATOMIC AND MOLECULAR SPECTRA (4)**
PR: PHY 437 or CI. Quantitative study of atomic and molecular structure and spectra. Qtr. IV.

**PHYS 6536 (PHY 605) STATISTICAL MECHANICS (4)**
PR: PHY 405 or CI. Kinetic theory, configuration and phase space. Boltzmann theorem, Liouville theorem, ensemble theory, quantum statistics. Qtr. III.

**PHYS 6246 (PHY 607) CLASSICAL MECHANICS I (3)**
PR: PHY 541 or CI. Dynamics of particles and systems of particles, Lagrange’s equations, central forces, rigid body dynamics. First quarter of sequence PHY 607-608. Qtr. II.

**PHYS 6247 (PHY 608) CLASSICAL MECHANICS II (3)**
PR: PHY 607 or CI. Hamilton’s equations, canonical transformations, Poisson brackets, small oscillations, Hamilton-Jacobi theory, continuous systems. Qtr. III.

**PHYS 6525 (PHY 617) PLASMA PHYSICS II (4)**
PR: PHY 517, or CI. An analytical study of the various types of wave phenomena in plasmas describable by the continuum equations, the Boltzmann-Vlasov equation or the Boltzmann equation. Qtr. I.
PHS 6426 (PHY 621) SOLID STATE PHYSICS II (3)
PR: PHY 521 or CI. Advanced course on Solid State Physics covering material of current interest.

PHY 6346 (PHY 631) ELECTROMAGNETIC THEORY I (4)

PHY 6347 (PHY 632) ELECTROMAGNETIC THEORY II
PR: PHY 631 or CI. Electromagnetic waves, wave guides and resonant cavities, diffraction, relativistic-particle kinematics and dynamics, plasmas and magnetohydrodynamics. Qtr. II.

PHY 6625 (PHY 637) QUANTUM MECHANICS III (3)
PR: PHY 537 or CI. Dirac equation, quantized fields, collision theory, symmetry and invariance. Qtr. I.

PHY 6846 (PHY 641) EXPERIMENTAL PHYSICS (2)
PR: Graduate standing. Laboratory techniques frequently required in experimental research. Includes manipulation of glass, production and measurement of vacua, production and measurement of thin films, and use of various machine tools. Qtr. I.

PHS 6136 (PHY 651) PHYSICAL APPLICATIONS OF GROUP THEORY (4)
PR: PHY 542 or CI. Introduction to the theory of Lie Groups and Lie Algebras; applications to atomic and molecular phys-
ics, solid state physics, nuclear physics, classical physics and elementary particle physics. (Offered alternate years.)

PHS 6607 (PHY 657) THEORY OF RELATIVITY (4)
PR: PHY 541 or CI. The special and general theory of relativity, including the gravitational field equations, applications of the special theory, experimental tests of the general theory and various topics of current research interest. (Offered alternate years.)

PHY 6911 (PHY 681) DIRECTED RESEARCH (var.)
PR: GR. Master's level. Repeatable. (S/U only.)

PHY 6938 (PHY 683) SELECTED TOPICS IN PHYSICS (1-5)
PR: CC. Each topic is a course in directed study under the supervision of a faculty member.

PHY 6935 (PHY 691) GRADUATE SEMINAR (1)
All physics graduate students are expected to enroll in this course Qtr. I each year. (S/U only.) Qtr. I, II, III, IV.

PHY 6940 (PHY 694) GRADUATE INSTRUCTION METHODS (1-5)
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

PHY 6909 (PHY 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

PHY 6971 (PHY 699) THESIS: MASTER'S (var.)
Repeatable. (S/U only.)

POLITICAL SCIENCE (POL)


POS 2041 (POL 200) AMERICAN NATIONAL GOVERNMENT (4)
Analysis of basic principles and procedures of the American governmental system with emphasis on current issues and trends. (Formerly POL 201.)

POL 2112 (POL 201) STATE AND LOCAL GOVERNMENT AND POLITICS (4)
Analysis of the structure and function of state and local governments, of the social and political influences that shape them, and of the dynamics of their administrative processes. (Formerly POL 203.)

POT 3003 (POL 310) INTRODUCTION TO POLITICAL THEORY (4)
Survey of the various kinds of theory used by political scientists for understanding political phenomena. Examination of the principal distinctions, contributions and problems in such theories as normative theory, empirical theory, historicist theory and analytic theory. Open to majors and non-majors.

POT 3034 (POL 311) CLASSICAL POLITICAL THEORY (4)
Analysis of basic political ideas from the works of Plato, Aristotle, Cicero, and other leading Greek and Roman political philosophers. (Formerly POL 461.)

POS 3713 (POL 315) EMPIRICAL POLITICAL ANALYSIS (4)
An introduction to the conduct of empirical political inquiry and to research methods. Techniques of data generation, collection, and analysis will be emphasized. Laboratory exercises required. (Formerly POL 343.)

CPO 3002 (POL 320) INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS (4)
Analysis of political systems using the concepts and methods of comparative politics. (Formerly POL 311.)

The first number is the State Common Course Number

IRN 3002 (POL 330) INTRODUCTION TO INTERNATIONAL RELATIONS (4)
Study of contemporary international affairs, including analysis of politics among nations; control of national foreign policies, sovereignty, nationalism and diplomacy; technology, public opinion and war in international relations. (Formerly POL 331.)

IRN 3104 (POL 331) AMERICAN FOREIGN POLICY (4)
Analysis of the development and scope of United States foreign policy focusing upon our aims, decision-making, application of policies, and alternatives for specified problem areas in foreign affairs. (Formerly POL 338.)

POS 3182 (POL 341) FLORIDA POLITICS AND GOVERNMENT (4)
A study of Florida political culture, political parties and elections, the legislative, executive, and judicial systems, and policy patterns. Open to majors and non-majors.

POS 3173 (POL 342) SOUTHERN POLITICS (4)
Comparative analysis of selected political patterns and trends in the eleven southern states since 1950. (Formerly POL 347.)

POS 3273 (POL 343) PRACTICAL POLITICS (4)
PR: POL 200 or 346 or CI. Field work in local political party activities and election campaigns. Open to majors and non-majors.

POS 3453 (POL 346) POLITICAL PARTIES AND INTEREST GROUPS (4)
Analysis and understanding of the role, functions and processes of political parties and interest groups in American government. (Formerly POL 341.)

POS 3142 (POL 350) INTRODUCTION TO URBAN POLITICS AND GOVERNMENT (4)
An introductory analysis of governmental structures, political process and problems in metropolitan areas. Open to majors and non-majors.

POS 3145 (POL 352) GOVERNING METROPOLITAN AREAS (4)
Examines current governmental institutions and their operating characteristics in light of the formation and growth of met-
PAD 3003 (POL 360) INTRODUCTION TO PUBLIC ADMINISTRATION (4)
A comprehensive examination of the field of public administration, with emphasis on the development of important theories and practices within the context of the American political system. (Formerly POL 351.)

POS 3692 (POL 370) INTRODUCTION TO LAW AND POLITICS (4)
Survey of important aspects of the study of law in political science. Among topics considered are the nature of law and the legal process and the relationship to political life of constitutional law, administrative law, the judicial process and private law. Understanding is sought in the related dimensions of legal theory, behavior, and impact on public policy.

INR 3403 (POL 371) INTERNATIONAL LAW AND DIPLOMACY (4)
Contemporary international norms, agreements and negotiations. Their influence on, and response to, a changing international system. (Formerly POL 436.)

POS 3493 (POL 373) JUDICIAL PROCESS (4)
Studies in the organization, development and function of American court systems and the roles they play in the process of government. Open to majors and non-majors.

POS 3283 (POL 374) JUDICIAL POLITICS (4)
Consideration of selected theories of judicial decision-making. Examination and application of social science methodology to the study of court systems. (Formerly POL 454.)

POT 4204 (POL 411) AMERICAN POLITICAL THOUGHT (4)
Analysis of American political thought from the colonial period to the present with emphasis on recent contributions. (Formerly POL 463.)

POT 4054 (POL 412) MODERN POLITICAL THOUGHT (4)
Analysis of basic political ideas from the works of Machiavelli, Hobbs, Locke, Rousseau, Burke, Bentham, and Mill. (Formerly POL 462.)

POT 4064 (POL 413) CONTEMPORARY POLITICAL THOUGHT (4)
Analysis of themes and personalities from 19th and 20th century political thought. (Formerly POL 464.)

POS 4204 (POL 414) POLITICAL BEHAVIOR (4)
Analysis of economic, psychological and social dimensions of political behavior; political participation; leadership and elites; political attitudes; voting behavior and decision-making processes. (Formerly POL 443.)

CPO 4930 (POL 426) COMPARATIVE GOVERNMENT AND POLITICS OF SELECTED COUNTRIES OR AREAS (4)
Studies a single political system or several political systems with common elements. Structure, process, domestic and foreign policies and regional roles are considered. May be repeated for credit as topics vary. Open to majors and non-majors.

CPO 4034 (POL 427) POLITICS OF THE DEVELOPING AREAS (4)
An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world. (Formerly POL 561.)

INR 4502 (POL 432) INTERNATIONAL ORGANIZATION (4)
The problems of achieving peace through existing international structures, both within and outside the United Nations. The background, achievement and organizational problems of these agencies. (Formerly POL 333.)

INR 4334 (POL 433) DEFENSE POLICY (4)
Analytic study of contemporary American defense policy. It includes institutional factors contributing to formulation of defense policy and the impact of such policy on international relations. (Formerly POL 415.)

POS 4413 (POL 447) THE AMERICAN PRESIDENCY (4)
Examination of the presidency as a political institution. Analysis of constitutional, statutory and informal powers; legislative and political leadership; presidential decision-making processes; administrative responsibilities; White House staffing; limits on power. (Formerly POL 441.)

POS 4424 (POL 448) THE AMERICAN CONGRESS (4)
Analysis of the American Congress; organization, procedure, committee system, party leadership, relations with governmental and non-governmental organizations and agencies, oversight and decision-making process. (Formerly POL 455.)

POS 4233 (POL 449) VOTING BEHAVIOR, PUBLIC OPINION, AND ELECTIONS (4)
Critical analysis of mass voting behavior and the role of elections in formally democratic political systems. Special emphasis on American patterns, with secondary attention to cross-national research. Open to majors and non-majors.

URP 4050 (POL 451) CITY PLANNING AND COMMUNITY DEVELOPMENT (4)
An introduction to the development, role and components of city planning in local government and to the potential and actual policies of state and local government in attempting to regulate or control urbanization. Open to majors and non-majors.

PUP 4534 (POL 452) HOUSING AND GOVERNMENT (4)
Examines the role of federal, state, and local government in the formulation and implementation of housing policy. Analyzes the political aspects of housing policy formation and the administrative aspects of the housing delivery system. Open to majors and non-majors.

POS 4165 (POL 453) CITY POLITICS (4)
Analysis of the politics of cities and suburbs: citizen attitudes, voting, participation; ethnic politics; the political machine; community power structures; interest groups. Open to majors and non-majors.

PAD 4204 (POL 466) PUBLIC FINANCIAL ADMINISTRATION (4)
Analysis of problems in the growth and development of public budgets, with emphasis on principal techniques and theories of fiscal administration. (Formerly POL 457.)

POS 4614 (POL 471) CONSTITUTIONAL LAW I (4)
Examination of the underlying philosophy of the American Constitution, its principal institutions, their legal relationships to each other and the scope of their powers. Analysis of cases and commentaries from the founding period to the present. (Formerly POL 431.)

POS 4624 (POL 472) CONSTITUTIONAL LAW II (4)
Analysis of the evolution of individual rights in such areas as property rights, rights of the accused, minority rights, and freedom of expression. Examination of Supreme Court cases and scholarly commentaries. (Formerly POL 432.)

POS 4693 (POL 473) WOMEN AND LAW (4)
Issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law. Open to majors and non-majors. (Also offered as WSP 473.)

POS 4910 (POL 481) INDIVIDUAL RESEARCH (1-8)
PR: 3.0 average in Political Science and CI. Investigation of some aspect of political science culminating in the preparation of an original research paper.

POS 4941 (POL 482) FIELD WORK (4)
PR: 3.0 average in Political Science and CI. Opportunity for students to obtain practical experience, knowledge and understanding of local government, politics and administration by becoming involved as research and administrative aides to agencies and institutions of local government.
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POS 4936 (POL 491) SENIOR SEMINAR (4)
PR: Senior standing. Designed to give the student an opportunity to examine and apply various concepts and methods in the field of political science to some integrated problem area.

POS 4970 (POL 492) HONOR THESIS (4)
PR: Admission to Honor Plan and CI. Writing of honor thesis under direction of faculty members.

POT 5626 (POL 510) ISSUES IN POLITICAL PHILOSOPHY AND LAW (4)
Selected topics in political philosophy and law. May be repeated for credit as topics vary.

POS 5734 (POL 515) POLITICAL RESEARCH METHODS (4)
An examination of problems and issues of political research methods, including the formulation of research problems, research design, acquisition of data and analysis.

POS 5764 (POL 516) COMPUTER APPLICATIONS IN POLITICAL SCIENCE (4)
An introduction to the applications of computers to the study of politics. Topics include: unit-record equipment, electronic computer, coding of data, statistical packages, data analysis, alternative applications.

CPO 5934 (POL 520) ISSUES IN COMPARATIVE GOVERNMENT AND INTERNATIONAL RELATIONS (4)
Selected issues and topics in Comparative Government and International Relations. May be repeated for credit as topics vary.

POS 5094 (POL 540) ISSUES IN AMERICAN NATIONAL AND STATE GOVERNMENT (4)
Selected issues and topics in American National and State Governments. May be repeated for credit as topics vary.

POS 5155 (POL 550) ISSUES IN URBAN GOVERNMENT AND POLITICS (4)
Selected issues and topics in Urban Government and politics. May be repeated for credit as topics vary.

PAD 5807 (POL 551) ADMINISTRATION OF URBAN AFFAIRS (4)
An analysis of the role of the administrator at the municipal level stressing the division of functions, policy formation, alternative governmental structures and their effect on administrative processes. (Formerly POL 520.)

PAD 5035 (POL 560) ISSUES IN PUBLIC ADMINISTRATION AND PUBLIC POLICY (4)
Selected issues and topics in Public Administration and Public Policy. May be repeated for credit as topics vary.

PAD 5333 (POL 561) CONCEPTS AND ISSUES IN PUBLIC PLANNING (4)
Analysis of planning in the public sector and the various important processes involved, such as policy determination, collection of information, decision-making, and other organizational and political processes.

PAD 5417 (POL 562) PUBLIC PERSONNEL ADMINISTRATION (4)
An analysis of recruitment, testing, training, employee and human relations in the public service. (Formerly POL 525.)

PAD 5836 (POL 563) COMPARATIVE PUBLIC ADMINISTRATION (4)
Analysis of Public Administrative systems or institutions cross-nationally with special emphasis on conceptual developments and empirical knowledge from Western and non-Western types of governments. (Formerly POL 527.)

PAD 5612 (POL 564) ADMINISTRATIVE REGULATION (4)
An analysis of the regulatory functions and processes in the American political system. The regulatory commissions, their functions, powers, management, and relations with other branches of government are covered.

PAD 5605 (POL 571) ADMINISTRATIVE LAW (4)
An examination of the constitutional bases and limitations of the administrative process, administrative adjudication, rule making and the judicial review of such actions.

POS 5699 (POL 574) RESEARCH IN LAW AND POLITICS (4)
Application of basic research tools to problems of case law and legislative history. Actual research experiences are employed to develop skills in such tasks as analyzing judicial opinions, finding points of law and researching legislative intent. The use of these skills is illustrated in a variety of settings, including public, governmental and academic research.

POS 6706 (POL 610) SCOPE AND METHODS OF POLITICAL SCIENCE (4)
Advanced study of the scope and methodologies of political science, including their applications to different research areas. (Formerly POL 600.)

POS 6207 (POL 614) POLITICAL BEHAVIOR (4)
Advanced study of determinants and dimensions of political behavior; political participation, voting, attitudes, public opinion, leadership, and elite behavior.

POT 6007 (POL 615) SEMINAR IN POLITICAL THEORY (4)
This course will deal with the major contributions to public theory through the ages. An analysis, both critical and analytical, of the major works will be attempted.

POL 6246 (POL 616) POLITICAL SOCIALIZATION (4)
Seminar in selected phases of the political socialization process. (Formerly POL 640.)

CPO 6007 (POL 620) SEMINAR IN COMPARATIVE GOVERNMENT AND POLITICS (4)
Comparative analysis of political systems in terms of processes, institutions and behavior. (Formerly POL 662.)

CPO 6008 (POL 626) GOVERNMENT AND POLITICS OF SELECTED COUNTRIES OR AREAS (4)
Examination of the government and politics of one country or a group of countries constituting an area. The specific country or area to be determined by the instructor. May be repeated for credit as topics vary.

CPO 6036 (POL 627) POLITICALS OF DEVELOPING AREAS (4)
Advanced study of ideologies, governmental structures and political processes of selected nations of the non-Western world.

INR 6007 (POL 630) SEMINAR IN INTERNATIONAL RELATIONS (4)
Investigation of selected phases of international relations in world politics. (Formerly POL 667.)

INR 6107 (POL 631) AMERICAN FOREIGN POLICY (4)
A study of U.S. foreign policies with emphasis on decision-making processes, structures; policy outcome; and the evaluation of related political and economic issues.

POS 6045 (POL 640) SEMINAR IN AMERICAN NATIONAL GOVERNMENT AND POLITICS (4)
Advanced study of the institutions and processes of American national government. (Formerly POL 670.)

POS 6127 (POL 641) SEMINAR IN STATE GOVERNMENT AND POLITICS (4)
Advanced study of the institutions and processes of American state government. (Formerly POL 645.)

POS 6455 (POL 646) POLITICAL PARTIES AND INTEREST GROUPS (4)
Analysis of role, functions and various special characteristics of political parties and interest groups as well as their interactions with other political institutions in the political process.
POS 6415 (POL 647) THE AMERICAN PRESIDENCY (4)
Analysis of problems of modern presidency, with emphasis on staffing and decision-making.

POS 6427 (POL 648) THE LEGISLATIVE PROCESS (4)
Analysis of formal and informal decision-making processes in House and Senate; executive-legislative conflict and cooperation; input/output analysis.

POS 6157 (POL 650) SEMINAR IN URBAN GOVERNMENT AND POLITICS (4)
Analysis of the literature in urban government and politics, with special emphasis on urban political behavior and the development of various theories and propositions regarding governmental structure and the formation and implementation of public policy. (Formerly POL 675.)

URP 6055 (POL 651) CITY AND REGIONAL PLANNING (4)
An investigation of regional planning and a review of goals, objectives, and interrelationships between regional and city planning; and intergovernmental and policy issues in the regional planning process.

PUP 6538 (POL 562) GOVERNMENTAL HOUSING POLICY (4)
This course examines government involvement in housing, with special emphasis on the development and analysis of certain housing programs.

PAD 6306 (POL 653) URBAN POLICY ANALYSIS (4)
Systematic examination of the organizational and administrative characteristics of planning, program development and reporting activities conducted at local levels by various state, regional, and federal agencies. (Formerly POL 620.)

PAD 6060 (POL 660) SEMINAR IN PUBLIC ADMINISTRATION (4)
Examination of major conceptual developments, current research interests, issues, and problems in the theory and process of public administration.

PUP 6007 (POL 661) SEMINAR IN PUBLIC POLICY (4)
An analysis of the background and interpretation of various approaches which influence the formulation and execution of public policy.

PAD 6207 (POL 666) PUBLIC FINANCIAL ADMINISTRATION (4)
An examination of the fiscal organization of federal, state and local governments. Current problems in budgeting, revenue and indebtedness are considered.

PAD 6037 (POL 667) BUREAUCRACY AND PUBLIC POLICY (4)
Analysis of the formal, informal and societal characteristics of public bureaucracies and their impact on public policy. (Formerly POL 627.)

PAD 6228 (POL 668) STATE AND LOCAL BUDGETING (4)
An examination of the budgetary systems and practices of state and local governments with emphasis on preparation, authorization, execution and control.

POS 6698 (POL 670) SEMINAR IN LAW AND POLITICS (4)
Advanced study of institutions and processes in the field of law and politics.

POS 6607 (POL 671) CONSTITUTIONAL LAW (4)
Advanced study of legal, political and methodological problems related to constitutional law.

POS 6919 (POL 681) DIRECTED RESEARCH (var.)
PR: GR. Master's level. Repeatable. (S/U only.)

POS 6934 (POL 683) SELECTED TOPICS IN POLITICAL SCIENCE (4)
Selected topics, issues and problems in political science for advanced graduate students. May be repeated for credit as topics vary.

POS 6942 (POL 685) FIELD WORK IN POLITICAL SCIENCE (4)
PR: 3.0 average in Political Science and CI. Application of research models now employed in governmental agencies; including developing a structured research proposal. Designed to give the student practical experience in the administrative and political processes: (Formerly POL 571.)

POS 6909 (POL 697) INDEPENDENT STUDY (var.)
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

POS 6971 (POL 699) THESIS: MASTER'S (var.)
Repeatable. (S/U only.)

**PSYCHOLOGY (PSY)**

PSY 3213 (PSY 311-312) RESEARCH METHODS IN PSYCHOLOGY (4)
PR: PSY 200, 300; SSI 301. Scientific research methods and their applications for psychology. Topics include experimental planning, control procedures and interpretive principles. Lecture plus two-hour lab. Must be taken concurrently.

INP 3102 (PSY 313) APPLIED PSYCHOLOGY (4)
The application of psychological principles and the functions of psychologists in education, government, industry, and clinical practice. Not for major credit.

CLP 3303 (PSY 335) PSYCHOLOGY OF ADJUSTMENT (4)
Genetic, organic and learned factors involved in the processes of personal adjustment: applications for mental health principles to everyday living. Not for major credit.

DEP 3103 (PSY 341) CHILD PSYCHOLOGY (4)
Developmental and psychosocial aspects of childhood, including hereditary, maturational, psychological, and social determinants of child behavior. Not for major credit.

PSY 3593 (PSY 371) CONTEMPORARY PROBLEMS IN PSYCHOLOGY (4)
Selected topics from all areas of psychology designed to give the undergraduate nonmajor an opportunity to become acquainted with psychological concepts relevant to contempo-
The first number is the State Common Course Number.

SOP 4772 (PSY 451) HUMAN SEXUAL BEHAVIOR
(4) The dynamics of human sexuality including biological, constitutional, cultural, and psychological aspects. Exploration of the range of sexual behavior across groups. Sources of beliefs and attitudes about sex, especially female sexuality, current status. Interdisciplinary faculty. (Also offered as WSP 405.)

PPE 4004 (PSY 452) PERSONALITY
(4) PR: PSY 200, 300; SSI 301; PSY 311-312. Methods and findings of personality theories and an evaluation of constitutional, biosocial, and psychological determinants of personality.

CLP 4143 (PSY 455) PSYCHOPATHOLOGY
(4) PR: PSY 200, 300; SSI 301; PSY 311-312. Descriptions, theoretical explanations, research evidence and treatment of maladaptive behavior.
The second number (in parentheses) is the USF Course Number

**Psychology**

**CLP 6438 (PSY 616) PSYCHOLOGICAL ASSESSMENT** (SOP 6059)
PR: CI. Courses cover theory, research, and applications of psychological assessment in areas such as interviewing, intellectual and cognitive functioning, neuropsychodiagnoitics, and personality testing. May be repeated for credit with different subject matter.

**FAB 6717 (PSY 621) APPLICATIONS OF LEARNING PRINCIPLES & PROCEDURES** (SOP 6059)
PR: Prior course in learning, or CI. Application of various learning principles and procedures to problems in specialized settings. Co-listed Rehabilitation Counseling (REH 621.)

**PSY 6217 (PSY 631) RESEARCH METHODS AND MEASUREMENT**
PR: Admission to graduate degree program in psychology or CI. Courses designed to cover research methods and strategies and their application to psychology. Topics include logic and purpose of experimentation in psychology, measurement theory, design and analysis of experiments, probability, statistical inference, analysis of variance, correlational methods, interpretation of experimental findings. M.A. core course. May be repeated for credit with different subject matter.

**PSB 6056 (PSY 634) PHYSIOLOGICAL PSYCHOLOGY**
PR: Admission to M.A. program in psychology or CI. Neural and physiological foundations of behavior. Structure and function of the central nervous system and autonomic nervous system. Physiological basis of learning, motivation in sub-humans and humans. M.A. core course.

**DEP 6058 (PSY 635) DEVELOPMENTAL PSYCHOLOGY**
PR: Admission to M.A. program in psychology or CI. Detailed study of the development of human and animal behavior aimed toward an understanding on ontogenetic contributions to later behaviors. Effects of early experience on later behavior. M.A. core course.

**EXP 6406 (PSY 636) LEARNING**
PR: Admission to M.A. program in psychology or CI. Habituation, sensitization, classical and instrumental conditioning, generalization, discrimination, trial and error learning, problem solving. M.A. core course.

**EXP 6208 (PSY 638) PERCEPTION**
PR: Admission to M.A. program in psychology or CI. Current data and theory of perceptual processes. Consideration of physiological and psychological variables in perception, and applications of information theory and signal detection theory. M.A. core course.

**SOP 6059 (PSY 639) SOCIAL PSYCHOLOGY**
PR: Admission to M.A. program in psychology or CI. Overview of theory and research in social psychology. Attitudes, values, group processes, leadership, conformity, social learning and motivation. M.A. core course.

**EXP 6526 (PSY 641) HUMAN MEMORY**
PR: Admission to M.A. program in psychology or CI. Review of methods, findings and theoretical interpretations associated with the study of acquisition and retention of information. M.A. core course.

**INP 6856 (PSY 642) INDUSTRIAL PSYCHOLOGY**
PR: Admission to M.A. program in psychology or CI. An introduction to the major areas of Industrial-Organizational Psychology including the topics of selection and placement, training, criterion development and performance appraisal, job satisfaction and motivation, and organizational theory and structure. M.A. core course.

**CLP 6937 (PSY 665) TOPICS IN CLINICAL-COMMUNITY PSYCHOLOGY**
PR: CI. Courses on topics such as humanistic psychology, community psychology, and clinical neuropsychology. May be repeated for credit with different subject matter.

**EXP 6930 (PSY 670) TOPICS IN EXPERIMENTAL PSYCHOLOGY**
PR: CI. Courses on topics such as operant behavior, electrophysiological methods, psychophysiology, and memory. May be repeated for credit with different subject matter.

**SOP 6669 (PSY 675) TOPICS IN SOCIAL-ORGANIZATIONAL PSYCHOLOGY**
PR: CI. Courses on topics such as experimental social psychology, organizational psychology, attitudes, and group processes. May be repeated for credit with different subject matter.

**INP 6935 (PSY 676) TOPICS IN INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY**
PR: CI. Courses on topics such as industrial psychology, testing in industry, human factors psychology, and training in industry. May be repeated for credit with different subject matter.

**PSY 6917 (PSY 681) DIRECTED RESEARCH**
PR: GR. Master's level. Repeatable. (S/U only.)

**PSY 6946 (PSY 682) PRACTICUM AND INTERNSHIP IN CLINICAL PSYCHOLOGY**
1-15
PR: CI. Supervised training in community and university settings in the application of psychology. May be repeated for credit.

**PSY 6947 (PSY 694) GRADUATE INSTRUCTION METHODS**
Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

**PSY 6218 (PSY 695) GRADUATE RESEARCH**
1-15
PR: Special course to be used primarily for the training of graduate research assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

**PSY 6971 (PSY 699) THESIS: MASTER'S**
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only.)

**PSY 7908 (PSY 720) DIRECTED READINGS IN PSYCHOLOGY**
1-15
PR: An advanced reading program of selected topics in Psychology under the supervision of a psychology faculty member. The reading program is designed to meet the individual requirements and interest of graduate students in Psychology, with selected topics chosen by the student in close collaboration with a faculty member. May be repeated for credit.

**SOP 7609 (PSY 760) GRADUATE SEMINAR IN SOCIAL-ORGANIZATIONAL PSYCHOLOGY**
PR: CI. Seminars on topics such as social psychology, scientific communication, and decision making. May be repeated for credit with different subject matter. (Formerly PSY 780.)

**INP 7097 (PSY 761) GRADUATE SEMINAR INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY**
PR: CI. Seminars on topics such as industrial psychology, evaluation of performance in industry, and human factors. May be repeated for credit with different subject matter. (Formerly PSY 781.)

**CLP 7188 (PSY 764) PSYCHOTHERAPY AND BEHAVIOR CHANGE**
PR: Admission to graduate degree program in psychology and CI. Courses to cover the theoretical, empirical, and applied foundations of various systems of psychotherapy. Traditional relationship therapy, client-centered approaches, operant technique, group psychotherapy, and other varieties of therapeutic intervention. May be repeated for credit with different subject matter.
CLP 7379 (PSY 779) GRADUATE SEMINAR IN CLINICAL-COMMUNITY PSYCHOLOGY (5) 
PR: CI. Seminars on topics such as psychopathology, community psychology, clinical issues, personality, and developmental psychology. May be repeated for credit with different subject matter.

EXP 7099 (PSY 775) GRADUATE SEMINAR IN EXPERIMENTAL PSYCHOLOGY (1-5) 
PR: CI. Seminars on topics such as learning, perception, physiological psychology, cognitive processes, and quantitative methods. May be repeated for credit with different subject matter.

REHABILITATION COUNSELING (REH)


EGC 5065 (REH 501) REHABILITATION: CONCEPTS AND THEORETICAL ISSUES (5) 
A look at the historical origin, development, and current understanding of the philosophy of rehabilitation. The rehabilitation process is viewed as an integration of concepts and procedures from the medical, social-psychological, and legal disciplines.

EGC 5725 (REH 502) INTERPERSONAL ASPECTS OF REHABILITATION COUNSELING I (5) 
PR: CI. Focuses on the effective utilization of one’s self in the various counseling and coordinating relationships of the rehabilitation process. An introduction to encounter, body awareness, Gestalt counseling techniques, and related approaches.

EGC 5376 (REH 503) MEDICAL ASPECTS OF DISABILITY (5) 
Study of medical information needed by the counselor in integrating medical services into the total rehabilitation process from referral to placement. Examines the effect of a client’s physical condition on various areas of adjustment. Includes appraisal of physical capacities in terms of functional limitations and individual differences.

EGC 5493 (REH 507) SEMINAR IN PRINCIPLES AND PRACTICES OF REHABILITATION COUNSELING I (4) 
PR: CI. Procedures appropriate in meeting the needs of handicapped individuals in the rehabilitation process. Must be taken concurrently with REH 508. (S/U only)

EGC 5850 (REH 508) PRACTICUM I (2) 
PR: CI. Supervised observation experience and participation in counseling services in various rehabilitation agencies. Must be taken concurrently with REH 507. (S/U only)

EGC 5905 (REH 509) DIRECTED STUDIES (2-5) 
PR: CI. Study in rehabilitation counseling area under the direct supervision of a faculty member. May be repeated for a maximum of 10 hours credit.

EGC 6727 (REH 602) INTERPERSONAL ASPECTS OF REHABILITATION COUNSELING II (5) 

EGC 6163 (REH 603) PSYCHO-SOCIAL DISABILITY IN REHABILITATION COUNSELING (5) 
PR: REH 502. Personal, social, and vocational consequences of emotional and social disabilities.

EGC 6767 (REH 604) RESEARCH METHODOLOGY IN REHABILITATION (5) 
PR: CI. The aim of this course is to help students evaluate and utilize available research studies as well as to develop their own research skills. An individual research project is required.

EGC 6318 (REH 606) VOCATIONAL EVALUATION, ADJUSTMENT SERVICES AND PLACEMENT OF THE HANDICAPPED AND DISADVANTAGED (2-5) 
Methods and techniques employed to assess the mental, social, physical and vocational problems of handicapped and disadvantaged persons. Diagnosis, evaluation and placement in relation to vocational potential.

EGC 6205 (REH 608) EVALUATION IN THE REHABILITATION PROCESS (5) 
PR: REH 502. Examin the evaluation procedure from the point of view of providing reliable and valid information for use in the counseling process. (Formerly REH 506)

EGC 6954 (REH 609) SEMINAR IN REHABILITATION COUNSELING (2-5) 
PR: CI. Seminar in selected issues and problems in rehabilitation counseling. Subject and scope to be determined by instructor. May be repeated for credit with different content.

EGC 6494 (REH 610) SEMINAR IN PRINCIPLES AND PRACTICES OF REHABILITATION COUNSELING II (4) 
PR: REH 507 and 508. Continuation of REH 507. Must be taken concurrently with REH 611. (S/U only)

EGC 6851 (REH 611) PRACTICUM II (2) 
PR: REH 507 and 508. Continuation of REH 508. Must be taken concurrently with REH 610. (S/U only)

EGC 6567 (REH 612) GROUP WORK IN REHABILITATION COUNSELING (5) 
PR: CI. Examination of group processes as applicable to rehabilitation counseling.

EGC 6566 (REH 613) ADVANCED GROUP WORK IN REHABILITATION COUNSELING (5) 
PR: CI. Extension of REH 612 with emphasis on field work.

EGC 6885 (REH 620) INTERNSHIP IN REHABILITATION (10-15) 
PR: REH 610 and 611. Student placement in an approved intern setting for a minimum of 400 hours of supervised experience. (S/U only)

EGC 6417 (REH 621) APPLICATIONS OF LEARNING PRINCIPLES AND PROCEDURES (5) 
PR: Prior course in Learning or CI. Application of various learning principles and procedures to problems in specialized settings. Co-listed with Psychology (PSY 621).

EGC 6811 (REH 681) DIRECTED RESEARCH (var.) 
PR: GR. Master's level. Repeatable. (S/U only)

EGC 697 (REH 697) INDEPENDENT STUDY (var.) 
Independent study in which student must have a contract with an instructor. Repeatable. (S/U only)

The first number is the State Common Course Number

PSY 7918 (PSY 781) DIRECTED RESEARCH (var.) 
PR: GR. Ph.D. level. Repeatable. (S/U only)

PSY 7931 (PSY 790) SEMINAR IN ETHICS AND PROFESSIONAL PROBLEMS (5) 
PR: Second year in Ph.D. program in psychology or CI. Ethical issues and professional problems in the practice of psychology.

PSY 7980 (PSY 799) DISSERTATION: DOCTORAL (var.) 
PR: Must be admitted to Doctoral Candidacy. Repeatable. (S/U only)
RELIGIOUS STUDIES (REL/ANC)


REL 3000 (REL 300) INTRODUCTION TO RELIGION
An examination of the phenomenon of religion, which will include (1) an examination of why people do religion; (2) an examination of the character of theology, with special attention to certain basic theological concepts such as God, sin, salvation, liberation, reincarnation, immortality, theism, atheism; (3) an analysis of the character of religious ritual in its metatechnological, sacramental and experiential forms; and (4) an examination of the place and character of moral systems in religion.

REL 3210 (REL 310) INTRODUCTION TO THE OLD TESTAMENT
An introduction to the critical study of the Hebrew Scriptures against the background of the ancient Near East, with attention to the history and religion of the Hebrew people. REL 310 and REL 410 may not both be credited toward the major.

REL 3243 (REL 315) INTRODUCTION TO THE NEW TESTAMENT
An introduction to the critical study of the New Testament in context of Christian beginnings in the first century A.D. REL 315 and 415 may not both be credited toward the major.

GRE 3040 (REL 316) NEW TESTAMENT GREEK I

GRE 3041 (REL 317) NEW TESTAMENT GREEK II

REL 3610 (REL 325) HISTORY OF JUDAISM
The historical development of Judaism and Jewish concepts from biblical times to the modern era with emphasis on the formative years from the Prophets to the close of the Talmud.

REL 3612 (REL 326) MODERN JUDAISM
A study of Jewish life in the West since 1789, emphasizing Jewish beliefs, practices and institutions.

REL 3503 (REL 327) HISTORY OF CHRISTIANITY I
The historical development of Christianity, its ideas and institutions, from the first century to the sixteenth century.

REL 3540 (REL 328) HISTORY OF CHRISTIANITY II
The historical development of Christianity, its ideas and institutions from the work of John Wycliff to the rise of "religious modernism" in the 19th century.

REL 3120 (REL 329) RELIGION IN AMERICA
To examine the movement from state church to pluralism in American religious institutions; the religious results of non-Protestant immigration; the Jewish factor; the effect of home missions and social concern programs upon American life; political entanglements and the concept of church/state separation.

REL 3133 (REL 330) BLACK RELIGIOUS EXPERIENCE IN AMERICA
A course designed to stimulate interest in the religious history, experience, and thinking of American Blacks.

REL 3132 (REL 331) THE BLACK CHURCH
A critical examination of the Black Church will be made in this course. The significance of religious development and the present condition of Black religious institutions and their relationships to modern movements will be examined. Denominational, interdenominational, and international caucuses will also be examined for their particular religious, political, economic, social, and ideological significance.

REL 3311 (REL 332) NEW SECTS AND CULTS
A course designed to allow the student to survey the wide spectrum of contemporary sects and cults and learn what motivates their development.

REL 3201 (REL 340) LAND OF THE BIBLE
A survey of the natural features, historical forces, and cultural movements of the Holy Land that shaped its peculiar role in history with respect to the ancient Hebrews. Particular attention will be paid to the period from the Hebrew Conquest to the time of Jesus.

REL 3280 (REL 341) BIBLICAL ARCHAEOLOGY
An examination in depth of the archaeological data relating to the background and content of the Bible, including ancient customs, Biblical sites and cities, Biblical history, and material culture of the Biblical period. Special attention will also be given to excavation methods and interpretation of archaeological evidence.

REL 3310 (REL 350) WORLD RELIGIONS—EASTERN
An introduction to and a comparison of the ideas, the literature, the institutions of the major religions of the Eastern World, especially Buddhism (Theravada, Mahayana, Zen), Hinduism, Jainism, Taoism, Confucianism, Shinto.

REL 3320 (REL 351) WORLD RELIGIONS—WESTERN
An introduction to and a comparison of the ideas, the literature, the institutions of the major religions of the Western (Near Eastern origin) World—Judaism, Zoroastrianism, Christianity, and Islam. And a general comparison of Western religious ideas with Eastern religious ideas.

REL 3332 (REL 353) BUDDHISM
The study and comparison of Theravada and Mahayana Buddhism in their philosophical and psychological dimensions.

REL 3342 (REL 354) THE RELIGIONS OF INDIA
The sources of Hindu philosophic thought, an understanding of the psychology of the Yogas, and a study of the Hindu holy men and women are the three main concerns of this course.

REL 3335 (REL 355) RELIGIONS OF CHINA AND JAPAN
This course will investigate the philosophy of ancient China and its two major interpreters, Lao Tzu and Confucius. It will also look at the native Japanese Shinto religion.

REL 3045 (REL 360) DIALOGUES IN RELIGION
A course designed to place in dialogic encounter various aspects of contemporary religious beliefs and practices for the purpose of enabling students to hear and participate in discussions concerning the claims and procedures of existing religions.

REL 3420 (REL 370) CONTEMPORARY RELIGIOUS THOUGHT
An examination of the central ideas of recent theological thinkers; such men as Barth, Brunner, Bullmann, Bonhoeffer, Rahner, Tillich, Cox, Alitser, Buber, Niebuhr.

REL 3936 (REL 383) SELECTED TOPICS
PR: CI. Course contents depend on students' needs.

REL 3900 (REL 385) DIRECTED READINGS
PR: CI. Individual guidance in concentrated reading on a selected topic.

REL 4182 (REL 400) COMPARATIVE MYSTICISM
A course designed to acquaint the student with the nature of mystical experience, and some of the varieties of mystical experience recorded in the writings of the mystics.
REL 4141 (REL 401) RELIGIOUS BEHAVIOR AND INSTITUTIONS (4)
PR: One course in sociology or social psychology or CI. The sources of religious social thought, an understanding of the historical evolution of religious thought about society, and an analytical grasp of the way in which religious insights and values relate to human societal life are the three main objectives of this course.

REL 4158 (REL 402) RELIGION AND DEPTH PSYCHOLOGY (4)
PR: One psychology course or CI. This course is designed to enhance the student's understanding of human existence by investigating the interrelationships between human dynamics and religion.

REL 4250 (REL 403) JESUS' LIFE AND TEACHINGS (4)
PR: CI. An examination of the various historical studies made in the quest of identifying Jesus as an historical figure. The concern is to make a reasonable assessment of who Jesus was and what he was saying to the Jews in Palestine at the beginning of the common era.

REL 4221 (REL 410) BIBLE I: LAW (4)
An examination of the Pentateuch or Torah from the point of view of its literary development, internal traditions, historical background, Law, covenant theology, and Hebrew religion.

REL 4224 (REL 411) BIBLE II: PROPHETS (4)
PR: REL 410 or REL 310 or CI. An investigation of the Prophetic literature of the Hebrew Scriptures including the emergence of mantic prophecy in Elijah and Elisha, classical prophecy in Jeremiah, Micah, Amos, and Isaiah, the later twelve prophets, and the role of Samuel and the Book of Kings.

REL 4228 (REL 412) BIBLE III: WRITINGS (4)
PR: REL 410 or REL 310 or CI. An exploration of the poetic and historical writings in the Hebrew canon including the Psalms, Wisdom Literature, Job and the problem of evil, the Five Scrolls, Daniel and apocalypticism, and the religious views of the Chronicier.

REL 4295 (REL 413) DEAD SEA SCROLLS (4)
An investigation of the literary, historical, and archaeological evidence for the identification of the Qumran people with the Essenes. Possible connections with the New Testament and early Christian theology.

REL 4244 (REL 415) NEW TESTAMENT STUDIES (Gospels) (4)

REL 4252 (REL 416) NEW TESTAMENT STUDIES II (Pauline Letters) (4)
An investigation of earliest Christianity in its Jewish and Gentile forms, the historical Paul, his proclamation, and his letters as preserved in the New Testament.

REL 4256 (REL 417) NEW TESTAMENT STUDIES III (Later Letters and Revelation) (4)
An examination of the emergence of institutional Christianity in the New Testament, particularly in churchly theology, the Pastoral Epistles, the catholic Epistles, the letters of James and John, and finally Christian apocalypticism in the book of Revelation (Apocalypse).

REL 4910 (REL 481) UNDERGRADUATE RESEARCH (1-5)
PR: Junior standing and CI. Individual investigations with faculty supervision.

REL 4936 (REL 483) SELECTED TOPICS (1-5)
PR: Junior standing and CI. Individual investigations with faculty supervision.
special topics chosen by the student in cooperation with the instructor. Reading of literature also possible in English translation.

The following entries are intended as service courses for students in related graduate programs, in particular Anthropology, History, and Linguistics. In all of these, permission from the coordinator is required prior to enrollment.

CLA 5910 (ARC S81) INDIVIDUAL RESEARCH (2-5)
Specialized individual work in particular areas of student’s interest.

SOCIAL SCIENCES (INTERDISCIPLINARY) (SSI)


SSI 1211 (SSI 100) WORLD PERSPECTIVE (4)
Application of the interdisciplinary approach to the study of the international system, major world regions and problems.

SSI 3221 (SSI 300) AMERICA’S ROLE IN THE WORLD (4)
Application of the interdisciplinary approach to the study of America’s relations with other nations through analysis of political, socio-economic, cultural, and military problems, conflicting national interests and the formulation of foreign policy and its implementation. Upper level standing or CI.

STA 3122 (SSI 301) SOCIAL SCIENCE STATISTICS (4)
Topics selected from the following: measures of central tendency and variability probability and the normal curve, correlations, curve fitting, scale and index number theory, polling, interview and survey techniques, content analysis. Students who successfully complete this course may not also receive credit for either ECN 231 Business and Economic Statistics I or MTH 345 Introductory Statistics.

SSI 3152 (SSI 311) COMMUNICATION (4)
Topics selected from the following: the language of structure, general semantics, communication networks, language and social perception, diffusion of information, mass media, communication and social gamesmanship, Aesopian language, and Nú-Think in politics, normative language of clinical psychology, communication, and pseudo events, non-verbal communication.

(SSI 315) PUBLIC OPINION AND PRESSURE MECHANISM (4)
The content and formation of public opinion, properties of opinions and attitudes, and the principles and mechanisms of their formation and change.

SSI 3153 (SSI 321) HUMAN RELATIONS AND PRODUCTIVITY (4)
Topics to be selected from the following: the relation of science, technology, resources, energy, and population change to social, economic, cultural and political change; social implications of research findings from the social, behavioral and management sciences.

SSI 3151 (SSI 325) PSYCHOLOGY AND THE SOCIAL ORDER (4)
Topics to be selected from the following: the quest for personal identity in modern mass society, the problems of mass culture and mass education, the problems of alienation and anomie in the 20th century, psychological factors in political and industrial conflict, man versus the machine in modern life.

Area Studies
The following five courses (SSI 339, 341, 343, 345 and 347), dealing with one or more countries of a given region, will select and emphasize subject matter from the following topics: its history, its people and their cultures, its social psychology and national characteristics, its resources, its economic and industrial characteristics, its literature, religion and dominant values, its political framework and outlook, its social structure, and its current problems.

CLA 5930 (ARC S83) SELECTED TOPICS (2-5)
Course contents depend on student demand and instructor’s interest and may range over the whole field of Ancient languages (including comparative studies), literatures, civilizations, and epigraphy.

CLA 5990 (ARC S85) DIRECTED READINGS (2-5)
Readings in special topics chosen by the student in cooperation with the instructor. Reading of literature also possible in English translation.

NOTE: In any of the numbers 483, 485, 581, 583, 585, enrollment is repeatable for different subject matters.

EUS 3000 (SSI 339) EUROPE (4)

LAS 3001 (SSI 341) LATIN AMERICA (4)

ASN 3000 (SSI 343) ASIA (4)

AFS 3930 (SSI 345) AFRICA (4)

ASN 3030 (SSI 347) THE MIDDLE EAST (4)

SSI 3260 (SSI 361) COMMUNISM IN THE MODERN WORLD (4)
An interdisciplinary approach to the nature of Communism, its philosphic bases, its anti-religious bias, its economic, social and political theories and practices, the arts and sciences under Communist ideology, its conduct of foreign affairs and associated programs and techniques. Emphasis will be on Soviet and Chinese Communism.

SSI 3930 (SSI 383) SELECTED TOPICS IN THE SOCIAL SCIENCES (2-5)
Course content depends on student demand and instructors’ interest. Topics will have clear interdisciplinary nature. Course may be repeated as topics vary, but the same topic may not be repeated.

SSI 3955 (SSI 395) OVERSEAS STUDY (1-9)
A program of individual or group research in a foreign country. Selection of the student, his preparation for the study, and subsequent evaluation to be supervised by a faculty committee. (Formerly CBS 395.)

SSI 4164 (SSI 411) SOCIAL ISSUES OF OUR TIME (4)
Topics to be selected from the following: automation and cybernation and the social problems they generate; special problems of a technological civilization; the implications of changing social patterns of Western culture and opportunities for social re-construction.

SSI 4168 (SSI 412) SOCIAL VALUES AND SOCIAL ORDER (4)
Topics to be selected from the following: the value-patterns of modern societies; social bases for a world order; the aims and functions of social planning; international transformation created by science and technology. (Formerly SSI 505.)

LEI 4163 (SSI 413) LEISURE IN SOCIETY (4)
Facts and trends of changing leisure-time patterns in the USA and other countries; various conceptualizations of leisure; relationships of non-work time to work attitudes, personality, family, community, sub-cultures, religion, value systems, social class, and the functions of government.

SSI 4162 (SSI 415) THE CITY AND MAN (4)
Topics to be selected from the following: the city and its ills;
SOCIAL WORK (SOK)

Director: P. L. Smith (Acting); Assistant Professor: P. A. Maass; Instructor: P. L. Smith; Visiting Lecturer: M. G. Brown; Adjunct: J. C. Repetyosky.

SOW 3302 (SOK 300) THEORY & PRACTICE OF SOCIAL WORK I
An introductory course to the profession and practice of social work, emphasizing the theoretical and value bases of social work practice. Required prerequisite for admission to the Social Work Program.

SOW 3203 (SOK 301) INTRODUCTION TO SOCIAL WELFARE
PR: SOK 300. An introductory course in social welfare policy, emphasizing the conceptual basis of social policy formulation, the historical development of social welfare organizations, and various processes related to social policy implementation. Attention is given to economic, political, and social analysis of the development of American social welfare institutions. (Formerly SOC 301.)

SOW 4403 (SOK 330) RESEARCH METHODS IN SOCIAL WORK
PR: SSI 301. Restricted to social work majors, others by Program permission. Methods and techniques of social research specifically for social work majors, emphasizing design of studies, collection of data, and interpretation of results. Attention is given to understanding and analyzing specific pieces of research relating to social work.

SOW 4232 (SOK 405) SOCIAL WELFARE: SYSTEMS AND POLICIES
PR: SOK 301. Restricted to social work majors, others by Program permission. Advanced social welfare policy course emphasizing contemporary social welfare policies, structures, functions, and programs. (Formerly SOC 505.)

SOW 4341 (SOK 411) MULTI-METHODS OF SOCIAL WORK PRACTICE I
PR: SOK 301. HUS 427 and SOK 420 may be taken as co-requisites or prerequisites. Restricted to social work majors, others by Program permission. Introduction to the practice of social work emphasizing contemporary social welfare policies, structures, functions, and programs. (Formerly SOC 505.)

LEI 5108 (SSI 522) LEISURE THEORY
PR: SSI 413 or CI. The exposition of an interdisciplinary theoretical model by which to relate specific leisure activities or experiences to broad social change; summaries of current and historical research; in the U.S.A. and other nations; term papers by students based on individual interest.

LEI 5665 (SSI 523) LEISURE PLANNING: COMMUNITY AND STATE
An examination of the social, political and economic forces which relate to the policy formulation and program implementation of leisure agencies at the local and larger levels.

LEI 5185 (SSI 525) LEISURE POLICY
PR: SSI 522 or CI. General issues relating to trends in leisure, and their application to such fields as management, labor, government, gerontology, education, mass media, urban planning, recreation, and counseling; students will prepare term papers to explore one area in detail.

SOCIAL WORK (SOK)

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SOCIOLGY (SOC)


SOCIOLGY 1020 (SOC 181) CONTEMPORARY SOCIAL PROBLEMS
(4) Application of sociological concepts and principles to the description and analysis of major social problems of modern societies. Does not count for sociology major credit. (Formerly SOC 261.)

SOCIOLGY 2000 (SOC 201) INTRODUCTION TO SOCIOLOGY
(4) Nature and application of sociological concepts, theories, and methods; analysis of societies, associations and groups; social processes and social change.

MAF 2200 (SOC 251) MARRIAGE
(4) Study of pre-marital and marital relations. Social, cultural and personal factors related to success and failure in mate selection and marriage. Does not count for sociology major credit.

SOCIOLGY 2484 (SOC 299) CAREERS IN SOCIOLOGY
(2) PR: One course in sociology. An examination of sociology as a career base and as a basis for general education. Employment opportunities, occupational skills taught in the several courses, and other useful aspects of sociology will be discussed. Description of the several subfields of specialization and a brief introduction to the courses taught in the department will lead to the student's making a tentative program schedule for his major. The value of sociology to the individual as a self-actualizing person of unique worth will be stressed. (S/U only.)

SOCIOLGY 3612 (SOC 315) FOUNDATIONS OF THEORY
(4) PR: SOC 201 or CI. Consideration of selected theories in sociology and procedures of systematic theory construction.

SOCIOLGY 3500 (SOC 321) SOCIAL INVESTIGATION
(4) PR: SOC 201, SSI 301. Methods and techniques of social research. Design of sociological studies, collection of data, and interpretation of results.

SOCIOLGY 3695 (SOC 325) COMMENTARY FILM MAKING IN THE SOCIAL SCIENCES
(4) PR: Major in the College of Social and Behavioral Sciences and concurrent registration in an upper division course. For students majoring in some other college, approval by major professor and instructor of course are both required, but concurrent registration in one of the social and behavioral science courses is maintained. The consideration of the theoretical and technical requirements for expressing social science concepts and propositions on film, film planning, camera techniques, editing silent film, and the utilization of the independent sound (tape cassettes) in the commentary film. Ethics of film making.

SOCIOLGY 3696 (SOC 326) LABORATORY WORK IN COMMENTARY FILM MAKING IN THE SOCIAL SCIENCES
(2) PR: SOC 325, concurrent registration in a course in the social and behavioral sciences with instructor's approval to enable student to make a film in lieu of some other course requirement. A continuation of lab and field work in the making of commentary films. Camera, editorial and problems of independent sound solved in the context of making a film in one of the social sciences. Does not count for sociology major credit. May be repeated for a maximum of six credits (S/U only.)

SOCIOLGY 3800 (SOC 331) SOCIAL PSYCHOLOGY
(4) PR: PSY 200 or SOC 201. Behavior of the individual human being as affected by social and cultural influences of modern society.

SOCIOLGY 3422 (SOC 341) SOCIAL ORGANIZATION
(4) PR: SOC 201 or CI. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.

SOCIOLGY 3410 (SOC 345) SOCIAL STRATIFICATION
(4) PR: SOC 201 or CI. Social status and social stratification, social class as a factor in behavior, social mobility.

MAF 3501 (SOC 351) THE FAMILY
(4) PR: SOC 201 or CI. Principles of family organization, social adjustment and control. Maturation, socialization and stability of the family.

SOCIOLGY 3745 (SOC 371) RACIAL AND ETHNIC RELATIONS
(4) PR: SOC 201 or CI. Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

SOCIOLGY 3211 (SOC 373) SOCIOLOGY OF RELIGION
(4) PR: SOC 201 or CI. Types, sources, and functions of religious behavior. Religious behavior in relation to other aspects of personality and culture.

SOCIOLGY 4402 (SOC 401) SOCIETY IN TRANSITION
(4) PR: Upper level standing. An analysis of the forces for change in contemporary society, utilizing a sociological perspective. Does not count for sociology major credit.

SOCIOLGY 4531 (SOC 421) COMPUTERS IN SOCIOLOGICAL RESEARCH
(3) PR: SSI 301 and ESC 301, or equivalent. Introduction to the uses of computers in sociological research. Major emphasis is upon the use of statistical packages (principally SPSS) in data analysis.

SOCIOLGY 4850 (SOC 433) COLLECTIVE BEHAVIOR
(4) PR: SOC 201 or CI; upper division standing. Study of the development of group and mass behavior—crowds, social movements. (Formerly SOC 533.)

SOCIOLGY 4316 (SOC 443) URBAN SOCIOLGY
(4) PR: SOC 201 or CI; upper division standing. The social structure of the community in modern industrial societies. Analysis of community change. (Formerly SOC 543.)

SOCIOLGY 4261 (SOC 447) SOCIOLOGICAL IMPLICATIONS OF INDUSTRIALIZATION
(4) PR: SOC 201 or CI. Socio-cultural elements which define and accompany the process of industrialization as observed in mature industrial nations.

SOCIOLGY 4221 (SOC 449) POLITICAL SOCIOLOGY
(4) PR: SOC 201 or CI. An examination of the social factors that affect government, politics, and political behavior.

SOCIOLGY 4651 (SOC 455) SOCIOLOGY OF THE ARTS
(4) PR: SOC 201 or CI; upper division standing. The creation, distribution and use of arts from a sociological perspective; the social roles involved. (Formerly SOC 553.)

SOCIOLGY 4150 (SOC 461) CRIMINOLOGY
(4) PR: SOC 201 or CI; upper division standing. Etiology of criminal behavior; law enforcement, crime in the United States; penology and prevention. (Formerly SOC 561.)
SOC 4130 (SOC 463) JUVENILE DELINQUENCY  
PR: SOC 201 or Cl; upper division standing. Theories of delinquency, patterns of delinquent behavior, methods of control and treatment. (Formerly SOC 563.)

DHE 4101 (SOC 471) POPULATION  
PR: SOC 201 or Cl; upper division standing. Sociological determinants of fertility, morality, and migration; theories of population change. (Formerly SOC 571.)

SOC 4910 (SOC 481) INDIVIDUAL RESEARCH  
PR: Four courses in sociology, including SOC 321, upper division standing or Cl. Content dependent upon interest and competence of student. A contract specifying the work to be done must be completed and signed by both the student and the faculty member and filed with the chairperson of the department before registration for this course will be permitted. Repeatable. Does not count for sociology major credit.

SOC 4930 (SOC 483) TOPICS IN SOCIOLOGY  
PR: 16 quarter hours in Sociology and prior consent of instructor. May be repeated for credit. See class schedule for content. (Formerly SOC 583.)

SOC 4935 (SOC 491) SENIOR SEMINAR  
PR: For seniors majoring in sociology or other social sciences. Major issues in sociology, stressing theory and research.

SOC 5804 (SOC 531) SOCIAL INTERACTION  
PR: SOC 331, or Cl; upper division standing. Interpersonal influence, complex behavior, role, conflict, and social situational factors.

SOC 5825 (SOC 535) SOCIOLOGY OF SMALL GROUPS  
PR: SOC 201 or Cl; upper division standing. Theory of small group structure, mechanics of interaction, observation of small groups.

SOC 5405 (SOC 541) SOCIAL CHANGE  
PR: SOC 201 or Cl; upper division standing. Major theories of social and cultural change, and mechanisms of change in various societies.

SOC 5265 (SOC 575) INDUSTRIAL SOCIOLOGY  
PR: SOC 201 or Cl; upper division standing. Interaction, communication and authority in economic organizations; the factory as a social system.

SOC 6606 (SOC 611) CONTEMPORARY SOCIOLOGICAL THEORY  
PR: Undergraduate course in sociological theory or Cl. Emphasizes logical and conceptual dimensions of theory and theory construction.

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SOC 6502 (SOC 621) METHODS OF RESEARCH  
PR: Course in Social Investigation or Cl. Logic and practice of research; problems of observation and data collection, data processing, and evaluation.

SOC 6526 (SOC 623) SOCIOLOGICAL STATISTICS  
PR: SSI 301 or Cl. Logic and application of parametric and nonparametric statistical analysis for sociological data.

SOC 6805 (SOC 631) SOCIAL PSYCHOLOGY SEMINAR  
PR: Course in Social Psychology or Cl. Stresses contemporary developments in social psychological theory and empirical research.

SOC 6302 (SOC 641) COMMUNITY ANALYSIS  
PR: Course in Urban Sociology or Cl. Theories of community and community organization. Methods of community study; problems of urban areas.

SOC 6426 (SOC 643) COMPLEX ORGANIZATIONS  
PR: Course in Social Organization or Cl. Organizational theory, bureaucratic models, authority, power legitimation, and types of formal organization.

MAP 6621 (SOC 651) FAMILY ANALYSIS  
PR: Course in Family or Cl. Theory of interpersonal relations and interaction in the modern family. Analysis of functions and roles.

SOC 6106 (SOC 661) DEVIANCE & CONTROL  
PR: Course in criminology or juvenile delinquency or Cl. Theories of control and deviance with research application in problem areas.

SOC 6912 (SOC 681) DIRECTED RESEARCH  
PR: Gr. Master's level. Repeatable. (S/U only.)

SOC 6933 (SOC 683) SPECIAL TOPICS-SOCIOLOGY  
PR: Cl. Content varies according to interests of students and instructor. May be repeated for credit.

SOC 6999 (SOC 699) THE COMMUNICATION OF SOCIOLOGY  
PR: SOC 611, 621, 623 or Cl. Designed to help students define and formalize more effective efforts at communicating sociology. Majors only.

SOC 6971 (SOC 699) THESIS: MASTER'S  
Repeatable. (S/U only.)

SPEECH COMMUNICATION (SPE)


ESL 1243 (SPE 183) SPEECH COMMUNICATION FOR FOREIGN STUDENTS I  
A special course for students learning English as a second language. Intensive study and drill in American English pronunciation and listening comprehension. May be taken in conjunction with ENG 100 — English for Foreign Students.

ESL 1244 (SPE 194) SPEECH COMMUNICATION FOR FOREIGN STUDENTS II  
PR: SPE 103 or Cl. Intensive study and drill in American English pronunciation and listening comprehension. Emphasis on diction and speaking skills.

SPC 2023 (SPE 201) FUNDAMENTALS OF SPEECH COMMUNICATION  
The nature and basic principles of speech; emphasis on improving speaking and listening skills common to all forms of oral communications through a variety of experiences in public discourse.

LIN 2200 (SPE 203) SPEECH IMPROVEMENT AND PHONETICS  
Designed to improve vocal quality and expressiveness, articulation, and pronunciation, and to give instruction and practice in using the International Phonetic Alphabet for speech improvement.

SPC 3140 (SPE 311) INTRODUCTION TO SPEECH SCIENCE  
PR: SPE 203 or Cl. Communication models are analyzed. Emphasis on quantifiable parameters of effective speaking.

ORI 3920 (SPE 320) ISSUES AND INTERPRETATION  
The study of literature through analysis of printed textual materials and of the visual-aural textual performance of them. May be repeated.

ORI 3900 (SPE 321) FUNDAMENTALS OF ORAL READING  
PR: SPE 201 or 203. Designed to develop proficiency in the understanding and oral communication of literary and other written materials.

ORI 3950 (SPE 322) ORAL INTERPRETATION PERFORMANCE  
PR: SPE 321 or Cl. The study, rehearsal, and performance of
literature for Readers Theatre and Chamber Theatre productions. May be repeated (maximum total 6 hours).

**SPC 3651 (SPE 360) CURRENT ISSUES AND RHETORIC**
(2)
Analysis of significant current speakers and issues. May be repeated.

**SPC 3441 (SPE 361) GROUP COMMUNICATION**
(5)
PR: SPE 201 or CI. A survey of theory and experimental research in group communication. Group discussions and communication exercises to increase awareness of the dynamics of human communication in small group settings.

**COM 3131 (SPE 362) TECHNICAL COMMUNICATION**
(5)
Investigation and application of methodology and effective technical communication for effective oral presentation of technical reports.

**SPC 3601 (SPE 363) PUBLIC SPEAKING**
(5)
PR: SPE 201 or CI. Study of selected public addresses as aids in speaking extemporaneously and from manuscript. The relationship between public speaking and public policy formulation.

**SPC 3513 (SPE 365) ARGUMENTATION AND DEBATE**
(5)

**SPC 3594 (SPE 366) FORENSICS**
(2)
PR: SPE 365 or CI. Study, library research, practice in forensics. Application of the principles of rhetoric to the current debate and discussion topics. May be repeated (maximum of 6 hours.)

**SPC 3653 (SPE 367) FORMS OF PUBLIC ADDRESS**
(5)
PR: SPE 363 or 365. An advanced course emphasizing arrangement and style in informative, persuasive and ceremonial public address.

**SPC 3633 (SPE 368) RHETORIC OF CONFRONTATION**
(4)
PR: Sophomore standing. The study of rhetorical strategies and tactics of agitation and control in confrontation situations.

**SPC 3410 (SPE 369) PARLIAMENTARY SPEAKING**
(3)
Principles of parliamentary procedure and practice in conducting and participating in meetings governed by parliamentary rules.

**SPC 3210 (SPE 370) SPEECH COMMUNICATION THEORY**
(5)
PR: SPE 201 or CI. The study of source, message, and receiver variables in human communications; communication settings; descriptive and predictive models of communication; speech communication as a process.

**SPC 3301 (SPE 371) INTERPERSONAL COMMUNICATION**
(4)
PR: SPE 201 or CI. A study of interpersonal communication in informally structured settings with emphasis on the understanding, description, and analysis of human communication.

**SPC 3641 (SPE 372) NAZI PROPAGANDA**
(4)
Study of communication behavior in the Nazi movement in Germany and America: Emphasis on communication concepts, principal communicators (Hitler, Goebbels, Streicher, and Rockwell) and use of media.

**SPC 3905 (SPE 381) UNDERGRADUATE RESEARCH**
(1-5)
PR: Junior standing and CI. Individual investigations and faculty supervision.

**SPC 3930 (SPE 383) SELECTED TOPICS**
(1-5)
PR: Junior standing and CI.

**SPC 3900 (SPE 385) DIRECTED READINGS**
(1-5)
PR: Junior standing and CI.

**ORI 4310 (SPE 421) INTRODUCTION TO READERS' THEATRE**
(4)
PR: SPE 321 or CI. Designed to introduce the student to and give him experience in various forms of groups approaches to oral interpretation.

**COM 4110 (SPE 452) SPEECH COMMUNICATION FOR BUSINESS AND THE PROFESSIONS**
(4)
Identification of Speech Communication situations specific to business and the professions. Analysis of variables related to communication objectives and preparation of oral presentations in form of informational reports, conference management, persuasive communications, interviews, and public hearings.

**SPC 4640 (SPE 472) THE RHETORIC OF AMERICAN DEMAGOGUES**
(4)
An analysis of the communication of such 20th Century American political leaders as: Bilbo, Agnew, McCarthy, Wallace, Nixon, and Malcolm X.

**SPC 4905 (SPE 481) UNDERGRADUATE RESEARCH**
(1-5)
PR: Senior standing and CI. Individual investigations with faculty supervision.

**SPC 4932 (SPE 483) SELECTED TOPICS**
(1-5)
PR: Senior standing and CI.

**SPC 4900 (SPE 485) DIRECTED TOPICS**
(1-5)
PR: Senior standing and CI.

**SPC 4932 (SPE 491) SENIOR SEMINAR IN SPEECH COMMUNICATION**
(5)
PR: Senior standing, Speech Communication major. Exploration of selected topics of current significance to the several areas of speech communication through group discussion and research.

**SPC 5140 (SPE 501) SPEECH BEHAVIOR AND PROCESS**
(5)
PR: Upperclass standing. Study of the theories of the simple and complex acoustical phenomenon of speech; intensive analysis of the stimulus-stimulus variables of speech.

**LIN 5231 (SPE 503) APPLIED PHONETIC TRANSCRIPTION**
(5)

**LIN 5245 (SPE 511) EXPERIMENTAL PHONETICS**
(5)
PR: SPE 203 or CI. Intensified training in auditory discrimination of the sounds of American English. Detailed use research findings, instruments and methodologies in the laboratory study of normal speech. Development of phonetic skills of discrimination and reproduction of speech sounds.

**ORI 5140 (SPE 521) ORAL INTERPRETATION OF DRAMATIC LITERATURE**
(5)
PR: SP 321 or CI. Critical appreciation and Oral Interpretation of special textual materials which are inherently dramatic in nature and poetry, narrative prose, drama, biography, and history.

**ORI 5120 (SPE 522) ORAL INTERPRETATION OF POETRY**
(5)
PR: SPE 321 or CI. Critical appreciation of lyric and narrative poetry and communication of that appreciation to audience. Study of poetic theory and prosodic techniques.

**ORI 5350 (SPE 523) LITERARY ADAPTATION AND ORAL INTERPRETATION**
(5)
PR: SPE 521. Practice in composition and adaptation of literary materials for oral presentation; an investigation of the more advanced problems in oral interpretation as in Choral Speaking and Chamber Theatre.

**ORI 5145 (SPE 524) ORAL INTERPRETATION OF DRAMATIC LITERATURE II**
(5)
PR: SPE 521. A study of selected pre-modern dramas with
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special emphasis on problems of interpretation for oral performance.

**ORI 5210 (SPE 525) ORAL INTERPRETATION OF CHILDREN'S LITERATURE** (5)
- PR: SPE 321 or CI. A study of the theories and practice in the oral interpretation of poetry and narrative fiction for children with special emphasis on classical and modern literature.

**ORI 5230 (SPE 526) ORAL INTERPRETATION OF BIBLICAL LITERATURE** (5)

**SPC 5442 (SPE 561) THEORY AND RESEARCH IN SMALL-GROUP COMMUNICATION** (5)
- PR: SPE 361. Advanced study of theories and research in communicative interaction in group discussion and conference.

**SPC 5681 (SPE 565) HISTORY AND CRITICISM OF PUBLIC ADDRESS** (5)
- PR: SPE 363 or CI. The principles of rhetorical criticism applied to selected great speeches of Western Civilization.

**SPC 5545 (SPE 567) PERSUASION** (5)

**SPC 5912 (SPE 581) RESEARCH** (1-5)
- PR: Senior or graduate standing and CI.

**SPC 5933 (SPE 583) SELECTED TOPICS** (1-5)
- PR: Senior or graduate standing and CI.

**SPC 5903 (SPE 585) DIRECTED READINGS** (1-5)
- PR: Senior or graduate standing and CI.

**LIN 5715 (SPE 593) LANGUAGE AND SPEECH FOR CHILDREN** (5)
- PR: SPE 203 or CI. A diagnostic study of language development; the analysis of speech behavior and oral language needs of children; techniques of speech improvement for children.

**LIN 6233 (SPE 603) ADVANCED PHONETICS** (5)
- PR: SPE 503 or equivalent. Intensified training in close phonetic transcription. Work on dialects, intonation, distinctive feature theory and acoustic phonetics.

**SPC 6149 (SPE 611) COMMUNICATION: ANALYSIS AND MEASUREMENT** (5)
- A study of selected modes of communication. Includes analysis of communication symbology, and presents the theory and application of selected instruments for measuring and producing speech.

**SPC 6190 (SPE 612) SEMINAR IN SPEECH SCIENCE** (5)
- PR: SE 511. To provide graduate students with an opportunity to interact with faculty and other students for the purpose of developing an in-depth understanding of a selected sub-area of Speech Science.

**ORI 6410 (SPE 621) HISTORY AND THEORIES OF ORAL INTERPRETATION** (5)
- A study of the history, critical writings, uses, and developments of the art of oral interpretation, with analysis of the principles and practices.

**ORI 6146 (SPE 624) ORAL INTERPRETATION OF THE PLAYS OF SHAKESPEARE** (4)
- PR: SPE 321 or CI. A study of selected plays of Shakespeare from the point of view of the oral interpreter.

**SPC 6230 (SPE 660) RHETORICAL THEORY** (5)
- Historical development of rhetorical theory from Plato to contemporary theorists with emphasis upon the evolution of trends and concepts in rhetorical theory.

**SPC 6682 (SPE 664) THEORIES OF RHETORICAL CRITICISM** (5)
- The study of theoretical perspectives in rhetorical criticism.

**COM 6312 (SPE 668) EXPERIMENTAL RESEARCH IN ORAL COMMUNICATION** (5)
- Critical examination of research design, procedures, and reporting of experimental studies in small group communication and persuasive discourse.

**SPC 6913 (SPE 681) DIRECTED RESEARCH** (var.)
- PR: GR. Master's level. Repeatable. (S/U only.)

**SPC 6934 (SPE 683) SELECTED TOPICS IN SPEECH** (1-5)
- **SPC 6903 (SPE 685) DIRECTED READINGS** (1-5)
- **SPC 6936 (SPE 691) GRADUATE SEMINAR IN ORAL COMMUNICATION** (5)
- **SED 6943 (SPE 694) GRADUATE INSTRUCTION METHODS** (1-5)
- Special course to be used primarily for the training of graduate teaching assistants. Variable credit, repeatable. Limited to a cumulative total of 5 credits per student. (S/U only.)

**SPC 6971 (SPE 699) THESIS: MASTER'S** (var.)
- Repeatable. (S/U only.)

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**THEATRE (TAR)**

Chairperson: N. Cole; Associate Professors: J. W. Belt, N. B. Cole, W. A. Lorenzen, P. Massie, P. B. O'Sullivan; Assistant Professor: B. Stoll; Lecturer: M. A. Bentley; Visiting Associate Professor: A. Lithgow; Teaching affiliates from the Florida Center for the Arts — Lecturers: L. Bray, E. Mecham, C. Schmitt, D. K. Williams; Affiliate Lecturer: G. Leahy.

**THE 2020 (TAR 201) THEATRE FUNDAMENTALS** (2)
- An introduction to the means and materials of theatre, the nature of theatre forms, the concepts of Total Theatre, and the basic issues in American theatre today. This course is open to non-majors and theatre majors should take this course concurrently with their first registration in the group of courses TAR 211, 212, 213. Required of all theatre majors.

**THE 2021 (TAR 211) STAGECRAFT** (3)
- The scenic materials and skills basic to theatrical production.

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An introductory course. Has a production commitment. Required of all theatre majors. Open to non-majors.

**THE 2022 (TAR 212) VOICE IMPROVISATION** (3)
- Exploring the elements basic to acting skills — a participation course. May be used as a theatre lab requirement for majors. Open to non-majors.

**THE 2023 (TAR 213) STAGE LIGHTING AND COSTUME** (3)
- The fundamental materials and skills used in lighting and costuming stage productions. May be used as a theatre lab requirement for majors. Open to non-majors.

**TAR 214) BODY DISCIPLINES** (3)
- A laboratory course in various disciplines or systems in controlling and understanding the body's motive powers. Mime, pantomime, combat forms, meditational exercises useful for
the stage performer will be studied. May be used as a theatre lab requirement for theatre majors. Open to non-majors.

**TPA 2400 (TAR 215) THE ART OF MANAGING THE ARTS**

**DESCRIPTION:** An overview of the administrative role required in the arts - examining all media in their historical and topical references. The course will survey the basic areas of administrative, production and stage management. May be used as a theatre lab requirement for theatre majors. Open to non-majors.

**TPA 2250 (TAR 225) WORKSHOP IN STAGE MAKEUP**

**DESCRIPTION:** Beginning theory and practice in makeup for the stage. Theatre majors given preference. A studio course. Required for theatre majors.

**THE 3080 (TAR 303) MODERN THEATRE PRACTICE**

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

**TPP 3110 (TAR 311) WORKSHOP FOR TEXT ANALYSIS**

**DESCRIPTION:** PR: Completion of the four 200-level courses. The techniques of textual and script analysis related to the composition of performance. Required of all theatre majors. May be taken by non-majors with CI.

**TPP 3500 (TAR 312) SPECIAL SKILLS IN MOVEMENT**

**DESCRIPTION:** PR: Completion of the four 200-level courses. Stage violence, circus and acrobatic techniques and other special techniques of movement. Repeatable for credit. Required for majors in the performance track.

**TPP 3790 (TAR 314) VOICE PREPARATION FOR THE ACTOR**

**DESCRIPTION:** PR: Completion of the four 200-level courses. A laboratory in corrective speech and voice production for the actor. Repeatable for credit. Required for majors in the performance track.

**TPA 3086 (TAR 321) MEANS OF VISUAL EXPRESSION**

**DESCRIPTION:** PR: Completion of the four 200-level courses. The study of presentation techniques for visual design and technology as applied to the development of visual dynamics. Required of all theatre majors. Open to non-majors with CI.

**THE 3100 (TAR 339) THEATRE HISTORY I**

**DESCRIPTION:** A survey of significant periods in world theatre from the beginning up to 1700. Six selected representative plays will be read. Required of all theatre majors. Open to non-majors.

**THE 3111 (TAR 340) THEATRE HISTORY II**

**DESCRIPTION:** PR: TAR 339 or equivalent or CI. A survey of significant periods in world theatre from 1700 to the present. Six selected representative plays will be read as well. Required of all theatre majors. Open to non-majors.

**THE 3091 (TAR 352) PERFORMANCE**

**DESCRIPTION:** The study, rehearsal and performance of major theatrical works. Open to all University students by audition on a credit or non-credit basis. May be repeated. Additional appropriate credit may be earned with TAR 481 or TAR 581.

**TPA 3810 (TAR 361) INTRODUCTION TO PUPPETRY**

**DESCRIPTION:** PR: Completion of all four 200-level courses. Open to non-majors with CI. Principles and methods of puppetry with an historical survey of major forms and practical problems with laboratory production.

**TPA 3820 (TAR 362) PUPPETRY PRODUCTION**

**DESCRIPTION:** PR: TAR 361. Open to non-majors with CI. The creation, building and rehearsal of plays for puppet theatre in preparation for performance. It is strongly urged that members of this class enroll in puppetry performance in the quarter immediately following. May be repeated one time for additional elective credit, with CI, to a total of 8 hours.

**TPA 3840 (TAR 363) PUPPETRY PERFORMANCE**

**DESCRIPTION:** PR: TAR 362. Open to non-majors with CI. Experience in the production and presentation of a play for the puppet theatre. Follows directly from the course in puppetry production and must be taken the quarter immediately following that course. May be repeated one time for additional elective credit, with CI, to a total of 8 hours.

**TPA 3950 (TAR 365) THEATRE FOR SPECIAL AUDIENCES**

**DESCRIPTION:** PR: Completion of all four 200-level courses and/or CI. Open to non-majors. The presentation of a production for a special audience (ethnic, children, aged, institutionalized, etc.) Those enrolled would be expected to continue with TAR 366. With CI, may be repeated one time as additional elective credit, (total of 8 hours.)

**TPA 3951 (TAR 366) PERFORMING THEATRE FOR SPECIAL AUDIENCES**

**DESCRIPTION:** PR: TAR 365 (preceding Quarter) and/or CI. The presentation of a production for a special audience (ethnic, children, aged, institutionalized, etc.) Follows directly from TAR 365 and must be taken in the quarter immediately following that course. With CI, may be repeated one time as elective credit (total of eight hours.)

**TPA 3601 (TAR 375) STAGE MANAGEMENT**

**DESCRIPTION:** PR: Completion of an upper level concentration in theatre. A practical course in the working organizational function of the stage manager in theatre, dance, opera, and other live performance situations. Required of all theatre majors. (Formerly TAR 472.)

**TPP 3110 (TAR 391) IMPROVISATION I**

**DESCRIPTION:** PR: Completion of all four 200-level courses and/or CI; audition required. Open to non-majors. 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.

**TPP 3111 (TAR 392) IMPROVISATION II**

**DESCRIPTION:** PR: TAR 391 and/or CI; audition required. Open to non-majors. A concentrated study of advanced techniques in improvisational skills as applied to the use of scenario. Depending on ensemble capabilities, the course will culminate in a classroom improvisational presentation.

**THE 4180 (TAR 403) THEATRE ORIGINS**

**DESCRIPTION:** PR: Completion of first three years as a theatre major and one of the following: TAR 430, 431, 432, 433, 434, 437 or CI. An analysis of the development of theatre out of myth, ritual and liturgy. Emphasis will be placed on what subsequent attempts to understand the resulting phenomena can teach us about the nature of our art. Required of all theatre majors.

**TPP 4150 (TAR 410) ACTING I**

**DESCRIPTION:** PR: TAR 311 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 4151 (TAR 411) ACTING II**

**DESCRIPTION:** PR: TAR 410 and audition or TAR 412 or 414. Intermediate scene study. Special attention given to dialects and period movement. Required of all theatre majors with a performance concentration.

**TPP 4140 (TAR 412) ACTING III**

**DESCRIPTION:** PR: TAR 410 and audition or TAR 411 or 414. Methodology and styles. Examination of the actor’s craft and skills needed to fulfill the demands of various theatre forms. Special attention will be paid to the history of acting styles. Required of all theatre majors with a performance concentration.

**TPP 4152 (TAR 414) ACTING IV**

**DESCRIPTION:** PR: TAR 410 and audition or TAR 411 or 412. A workshop in the classical repertory. Advanced scene study. Required of all theatre majors with a performance concentration. (Formerly TAR 511.)
TAR 415 ACTING V (4) PR: TAR 414. Honors section in acting; admittance by competitive audition. The aesthetics of acting. The various theories of the art. A studio course.

TPA 4244 (TAR 417) SCENE PAINTING (2) PR: TAR 421, 423, plus any three of TAR 420, 424, 425, 427, 428. A practical course in the painting of stage scenery—media and application. (Formerly TAR 527).

TPA 4244 (TAR 419) STAGE PROPERTIES: TECHNIQUES AND MATERIALS STUDIO (2) Demonstration and experience with comparatively newer materials used in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop.

TPA 4052 (TAR 420) DRAWING—FIGURE (2) PR: Completion of second year requirements for the theatre major and portfolio or CI. Drawing the human form and fabrics with an emphasis for the costume designer.

(TAR 421) HISTORY OF ARCHITECTURE AND DECOR (3) PR: Completion of 200-level theatre laboratory requirements for theatre majors or CI. The survey of architectural and decorative motifs and decor and their stylistic concepts. Required for majors in Design-Tech track.

THE 4261 (TAR 423) HISTORY OF CLOTHING (2) PR: Completion of 200-level theatre laboratory requirements for theatre majors or CI. Required of all theatre majors with a design and technology concentration. A survey of clothing and dress from Ancient Egypt to the 20th Century with an emphasis on cultural and social influences.

TPA 4230 (TAR 424) COSTUME CONSTRUCTION I (2) PR: Completion of 200-level theatre laboratory requirements for theatre majors or CI. A practical course in costume drafting of workable patterns for costuming the actor.

TPA 4220 (TAR 425) AUDIO-VISUAL APPLICATIONS FOR THE STAGE (4) PR: Completion of 200-level theatre laboratory requirements for theatre majors, including TAR 213. A study of basic electrical and electronic systems of sound and light control. Optical principles of projection and light transmission will be included to establish skills in the use of projected scenery. Analysis of amplification and recording techniques and technology, and the study of acoustical characteristics will prepare the student for a design of production sound systems. Open to non-majors.

TPA 4211 (TAR 427) STAGECRAFT II (4) PR: For theatre majors, completion of 200-level theatre laboratory requirements, including TAR 211. A practical course in drafting for the stage and scene construction and application. A requirement in the Tech Design track/Scene. Open to non-majors.

TPA 4071 (TAR 428) DRAWING—ARCHITECTURAL (2) PR: Completion of 200-level theatre laboratory requirements for theatre majors and portfolio or CI. A course in rendering the inanimate form.

THE 4480 (TAR 430) DRAMA—SPECIAL TOPICS (4) PR: TAR 339, TAR 340 or CI. A course in the function of the script for the active theatre artist, treating materials of a single playwright. Repeatable with consent of adviser and change in topic. Only 4 hours will be counted toward major requirements, but other hours may be counted toward elective.

THE 4450 (TAR 431) THE COMEDY OF THE CLASSIC AND NEO-CLASSIC STAGE (4) PR: TAR 339, TAR 340 or CI. A course in the function of the script for the active theatre artist, treating materials from the Ancient Greeks through the Restoration, giving some attention to later reflections.

The first number is the State Common Course Number

(TAR 432) THE THEATRE OF MYTH AND RITUAL/NORTHERN EUROPEAN (950-1600) AND ORIENTAL (400-1800) (4) PR: TAR 339 or TAR 340. An investigation into the interrelationship of myth, ritual and theatre event. Enables the student to analyze these scripts in light of their present productivity and past cultural energy. Open to non-majors.

(TAR 433) SHAKESPEARE FOR THE THEATRE (4) PR: TAR 339 or 340 (for theatre majors). Study of several of Shakespeare's plays from the histrionic point of view. "No sort of study of a [Shakespearean] play can better the preparation of its performance if this is rightly done."—Harley Granville-Barker. Open to non-majors.

THE 4400 (TAR 434) O'NEILL AND AFTER (4) PR: TAR 339, TAR 340, or CI. Survey of materials in the American Theatre from the writings of Eugene O'Neill to the present.

THE 4370 (TAR 437) THE 19TH CENTURY THEATRE REVOLUTION (4) Survey of materials in the Continental, English, & American Stage dating from 1870. Deals with the extraordinary playwrights and new theatre movements.

TPP 4220 (TAR 438) AUDITION WORKSHOP FOR THE ACTOR (4) PR: TAR 411 and TAR 412. Preparation for professional audition; discussion of professional objectives.

TPP 4281 (TAR 439) SENIOR WORKSHOP FOR ACTORS (1-4) PR: TAR 411, 412 and audition. A coaching workshop in individual problems. Enrollment requires contracted study.

TPP 4610, 4611 (TAR 443, 444) WRITING FOR THE THEATRE I, II (4,4) PR: Completion of the first two years as a theatre major and CI. An elective sequence in writing for the theatre, starting with explorations of theatre as a medium, exercises in theatre form and techniques and progressing to an advanced workshop in plays and other styles of theatre pieces.

THE 5099 (TAR 452) ADVANCED PERFORMANCE (1) PR: TAR 352 or CI. The study, rehearsal, and performance of major theatrical works. Admission by audition. May be repeated. Additional appropriate credit may be earned with TAR 481 or TAR 581. (Formerly TAR 552.)

THE 4562 (TAR 453) SENIOR COLLOQUIUM IN THEATRICAL CREATIVITY (3) PR: TAR 403. A colloquium in the nature of the synthesized theatre object. Required of all theatre majors. Open to non-majors with CI.

TPP 4230 (TAR 454) LABORATORY WORKSHOP IN PERFORMANCE (4) PR: TAR 311 and/or CI. Special workshop in advanced techniques based upon individual problems and needs. May be repeated twice (to a total of 12 hours credit).

TPP 4250 (TAR 455) MUSIC THEATRE WORKSHOP (4) PR: TAR 311. Special problems in acting as applied to the musical theatre.

TPA 4010, 4011 (TAR 461, 462) DESIGN I AND II (4,4) COSTUME, SCENERY AND LIGHTING) PR: TAR 421 and TAR 423 plus TAR 424, or TAR 425, or TAR 427, depending on tech-design emphasis. The aesthetic and practical application of the elements of design in lighting, scenery and costume for theatre presentation.

TPA 4012 (TAR 463) PROJECT DESIGN: HONORS (4) PR: At least two sections of TAR 461 and one section of TAR 462. A workshop for students in scenery, lighting and costume design admitted only by recommendation of instructor and review of portfolio. Consideration will be given to the requirements of integrating the design for setting, costumes and
The WST 3210, 3220, 3240 (WSP 309, 310, 311)
TPA
TPA 4401
THE
Director, Assistant Professors:
Snook
WST 3270 (WSP
WST 2011 (WSP 202) INTRODUCTION TO
THEATRE
WST 3280 (WSP 320) INTRODUCTION TO
WOMEN'S STUDIES I
A survey of major issues relevant to the female experience: the women's movement; social, historical and psychological implications.
WST 3291, 3292, 3294 (WSP 309, 310, 311) WOMEN IN WESTERN CIVILIZATION
PR: WSP 201 or CI. Interdisciplinary and comparative study of women in Western civilization, with particular emphasis on the historical courses and evolution of anti-Feminist attitudes in selected societies. WSP 309: Pre-Biblical period through the Middle Ages. WSP 310: Renaissance through the eighteenth century. WSP 311: Nineteenth and twentieth centuries.
WST 3270 (WSP 315) CONTEMPORARY WOMAN IN THE UNITED STATES
ANT 3302 (WSP 321) WOMEN IN CROSS-CULTURAL PERSPECTIVE
PR: WSP 201, ANT 201, or CI. Roles of women in selected cultures, with emphasis on Third World and primitive societie...
the range of sexual behavior across groups. Sources of beliefs and attitudes about sex, especially female sexuality, current status. Interdisciplinary faculty. (Also offered as PSY 451.)

(WSP 441) WOMEN AND THE EDUCATIONAL PROCESS (4)
PR: Junior standing recommended. Covers both the role women played in education in the U.S. and ways schools have helped to shape the role women play in American society. Topics include development of sex-role stereotypes through classroom interactions and curriculum materials, the status of women in public and higher education and laws affecting it, and the role of the schools in forming educational and career aspirations of girls and women. Emphasis will be placed on ways parents and teachers may counteract the sex-typing which schools, as they are currently structured, perpetuate. (Also offered as EDF 444.)

(WSP 473) WOMEN AND LAW (4)
Issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law. Open to majors and non-majors. (Also offered as POL 473.)

(WST 4910 (WSP 481)) DIRECTED RESEARCH (1-4)
PR: CI plus upper division standing. To provide advanced students with interdisciplinary research experience in areas of specific interest. May be repeated up to 8 credit hours.

(WST 4930 (WSP 483)) SELECTED TOPICS (1-5)
PR: WSP 201 or CI. Study in special areas such as Women and Health, The Aging Woman, and the Professions, Women in the Arts.

(WST 4900 (WSP 485)) DIRECTED READINGS (1-4)
PR: CI plus upper division standing. To provide advanced students with intensive reading of interdisciplinary nature in areas of specific interest. May be repeated up to 8 credit hours.

(WST 4935 (WSP 491)) SEMINAR IN WOMEN'S STUDIES (4)
PR: WSP 201, or CI. In-depth study of research in one or more areas of topical interest to students and staff. Research involvement by students required.
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Structures, Materials, and Fluids .......... John E. Griffith
Systems Engineering ............... Robert J. Wimmert

*This departmental structure has not been officially approved and exists with acting chairpersons until final action has been taken.
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- Dance: William H. Hug
- Music: Vance Jennings
- Theatre: Nancy B. Cole

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- Biology: Stewart L. Swihart
- Chemistry: Terence C. Owen
- Geology: Richard A. Davis, Jr.
- Marine Science (Acting): John C. Briggs

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- Music: Vance Jennings
- Theatre: Nancy B. Cole

**Director**
Florida Center for the Arts: John W. Coker

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**Assistant Dean for Equal Opportunity and Affirmative Action**
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**Assistant Dean for Curriculum and Continuing Medical Education**
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- Biochemistry: Joseph G. Cory
- Comprehensive Medicine: William A. Sodeman, Jr.
- Family Medicine: D. Robert Howard
- Internal Medicine: Roy H. Behinke
- Medical Microbiology: Charles W. Fishel
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- Ophthalmology: William C. Edwards
- Pathology: TBA
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- Pharmacology: Andor Szentivanyi
- Physiology: Carleton H. Baker
- Psychiatry: Anthony Reading
- Radiology: Arthur D. Graham
- Surgery: Roger T. Sherman

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TBA

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University Studies/Admissions/
Counseling Center ............................ MAX C. DERTKE
Development .................................... TERRY EDMONSON
Alumni Affairs ................................. JOSEPH M. TOMAINO
Associate Director, Veterans
Affairs (Tampa Campus) ..................... G. ROBERT JETT, JR.
Associate Director, Veterans
Affairs, Branch Campuses .................. RUSSELL BURR

REGIONAL CAMPUS AFFAIRS
Administrator & Dean ........................... LESTER W. TUTTLE, JR.
Assistant Administrator ..................... HERMAN J. BRAMES
Director, Continuing Education ............ RICHARD BRIGHTWELL
Director, Bachelor of
Independent Studies .......................... KEVIN E. KEARNEY

ST. PETERSBURG CAMPUS
Director (Acting) ................................ DAVID R. KENERSON
Center Administrator ......................... DONALD A. HANEY
University Librarian .......................... DORIS C. COOK
Extension Library Director .................. OSBORNE L. GOMEZ

FORT MYERS CAMPUS
Director .......................................... ROY I. MUMME
Associate Librarian ............................ JEAN R. ANDERSON

SARASOTA CAMPUS
Director (Acting) ................................ LESTER W. TUTTLE, JR.
Director, Administrative Affairs ........... CHARLES C. HARRA
Director, Student Affairs ..................... DALE W. HARTMAN
Director, New College Admissions .......... MILDRED P. ELLIS
Director, Records and Registration .......... NANCY E. FERRARIO
Director, Public Affairs ....................... FURMAN C. ARTHUR
Director, Library .............................. EDMOND LOW
Office of Continuing Education ............ SARA HOWELL
New College of USF Provost (Acting) ........ GEORGE H. MAYER
Chairpersons
Humanities ....................................... DAVID E. DYKSTRA
Natural Sciences ................................. PETER F. BURI
Social Sciences ................................. LASZLO DEME

Coordinators
Off-Campus Studies ........................... NATALIE ROSEL
Environmental Studies Program ............ JOHN B. MORRILL
All members of the University of South Florida faculty and administrative staff, including teaching, research, administrative and professional personnel are listed below in alphabetical order. The listing includes name, current rank and field, first year of continuous appointment to any position in the institution, degrees, and institution and year of terminal degree, as of December 31, 1976. (A semicolon between degrees indicates different institutions.)

ABBREY, WALTER R. ................. Lecturer (Engineering), 1966
B.S.M.E., Tri-State College, Indiana, 1938

ABRAM, JACQUES ................. Professor (Music), 1963
Diploma with Distinction, Juilliard School of Music, 1938

ACKERMAN, DORIS J. ............. Assistant University Librarian
(University Studies, Student Affairs), 1969
B.A.: M.L.S., Rutgers, 1969

ADAMS, PATRICIA ............. Instructor (Nursing), 1976
B.S.N., M.N., University of Florida, 1974

ADAMS, PATRICIA ............. Instructor (Nursing), 1976
B.S., M.S., University of South Florida, 1975

ADAMS, PATRICIA ............. Counselor and Adviser
(University Studies, Student Affairs), 1965

ADDISON, LINDA B. ........ Visiting Instructor (Education), 1976
B.S.; M.A., University of South Florida, 1975

ADLER, SAUL M. ........ Assistant Professor (Pediatrics), 1975
B.S.; M.D., Downstate Medical Center, State University of New York, Brooklyn, 1968

AGESTI, DAVID L. .................. Instructor
(Criminal Justice Program), 1973
B.A.: M.S.W., Florida State University, 1971

AHMED, NASIM .................. Instructor (Surgery), 1975 (Part time)
B.S.: M.D., Dow Medical College, Karachi, Pakistan, 1965

AHRENS, VICKI W. ............ Student Affairs Coordinator
(University Studies, Student Affairs), 1974
B.A., M.A., University of South Florida, 1975

AKINS, DANIEL L. .......... Associate Professor (Chemistry), 1970
B.S.; Ph.D., University of California, Berkeley, 1968

ALEXANDER, JAMES E. .... Lecturer (SUS Oceanography), 1975
B.S.; M.S., Ph.D., University of Miami, Florida, 1964

ALEXANDER, LUella K. .... Visiting Lecturer (Sociology), 1972
B.A.; M.A., Ohio State University, 1966

ALEXANDER, MICHAEL D. .... Clinical Psychologist (Counseling), 1975 Sarasota Campus
B.S., M.A., Ph.D., Ohio State University, 1972

ALLEN, EDMUND E. ........ Professor (Interdisciplinary Social Science), 1964
B.S.; M.S.; Ed.D., University of Florida, 1964

ALLEN, HAROLD C. ........ Assistant Professor (Management), 1967
B.A.; M.B.A.; Ph.D., University of Florida, 1969

ALLEN, JAMES L. .............. Professor (Engineering), 1972
B.E.; B.S., M.S.E.E., Ph.D., Georgia Institute of Technology, 1966

ALTUS, PHILIP .............. Assistant Professor (Internal Medicine), 1976
A.B.; M.D., Upstate Medical Center, 1971

ALVAREZ, MARVIN R. .......... Professor (Biology), 1966
B.S., M.S., Ph.D., University of Florida, 1964

ANDERSEN, PHILIP H. ....... Assistant Professor (Surgery), 1974
B.S.; M.D., Marquette University, 1964
ANDERSON, DONALD J. ........... Director (Institutional Research), 1967
B.S.; M.A., University of South Florida, 1971
ANDERSON, E. CHRISTIAN ........ Professor (Education), 1964
B.S., M.A., Ph.D., University of Michigan, 1964
ANDERSON, EVE RETT S. ........ Professor (Music), 1963
B.M., M.M., Illinois Wesleyan University, 1937

ANDERSON, JEAN R. ............. Associate University Librarian
(Libraries), 1975 Ft. Myers Campus
B.A.; M.S.L.S., Columbia University, 1961
ANDERSON, JOYCE B. .......... Instructor (Accounting), 1976
B.A., M.A., University of South Florida, 1975, C.P.A.
ANDERSON, LILLIAN YOKS ......... Director (Space Utilization and Analysis), 1964
Certified Diploma, Philadelphia College of Bible, 1955
ANDERSON, LOUIS V. .......... Associate Professor (Education), 1963
B.A., M.A., Ph.D., George Peabody College, 1966

ANDERSON, MELVIN W. ....... Professor (SMF-Engineering), 1969
B.S., M.S., Ph.D., Carnegie-Mellon University, 1967, P.E.
ANDERSON, MERLIN G. ........ Assistant Professor (Surgery), 1975
B.S.; M.D., Loma Linda University, 1963

ANDERSON, ROBERT L. ......... Associate Professor (Marketing), 1971
B.S., M.S.; Ph.D., North Texas State University, 1971

ANGROSINO, MICHAEL V. ........... Associate Professor (Anthropology), 1972
B.A.; Ph.D., University of North Carolina, 1972

ANKER, JAMES M. .......... Professor-Chairperson (Psychology), 1974
A.B., M.A., Ph.D., Catholic University of America, 1957

ANTON, WILLIAM D. .............. Academic Administrator
(Counseling Center, Student Affairs), 1972
B.A., M.A., Ph.D., University of South Florida, 1975

APPLEGATE, MINERVA L. ........ Assistant Professor (Nursing), 1976
R.N.; B.S.N.; M.Ed., Columbia University Teachers College, 1974

ARMSTRONG, RONALD W. ........ Instructor (Sociology), 1972
St. Petersburg Campus
B.A.; M.A., University of Oregon, 1970

ARNADE, CHARLES W. ............... Professor
(Interdisciplinary Social Science), 1961
A.B., M.A., Ph.D., University of Florida, 1955

ARTHUR, FURMAN C. .......... Director (Public Affairs), Sarasota Campus, 1975
B.A., Bethany College, 1948

ARTHUR, GARY K. .......... Assistant Professor (Psychiatry), 1975
B.S.; M.D., Hahnemann Medical College, 1970

ASHFORD, THEODORE A. ........... Professor (Chemistry) and Dean Emeritus (Natural Science), 1960
B.S., M.S., Ph.D., University of Chicago, 1936

AUBEL, JOSEPH L. .......... Associate Professor (Physics), 1964
B.S., Ph.D., Michigan State University, 1964

AUERBACH, CHARLES E. ........... Associate Professor
(Family Medicine), 1973 (Part time)
A.B., M.S., M.D., Emory University School of Medicine, 1943
<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Department</th>
<th>Institution/Location</th>
<th>Year(s)</th>
</tr>
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<tbody>
<tr>
<td>Austin, Larry D.</td>
<td>Professor (Music)</td>
<td>University of Miami, Florida, 1972</td>
<td></td>
</tr>
<tr>
<td>B.M.; M.M.</td>
<td></td>
<td></td>
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<tr>
<td>Austin, Martha L.</td>
<td>Professor (Education)</td>
<td>University of Texas, 1963</td>
<td></td>
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<tr>
<td>A.B.; M.Ed.; Ph.D.</td>
<td></td>
<td>University of Chicago, 1969</td>
<td></td>
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<tr>
<td>Ayala, Rina P.</td>
<td>University Physician (Student Health Service)</td>
<td>1975</td>
<td></td>
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<tr>
<td>B.A.; M.D.</td>
<td></td>
<td>Salamanca University, Spain, 1970</td>
<td></td>
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<tr>
<td>Azar, Henry A.</td>
<td>Professor (Pathology)</td>
<td>University of Texas, 1972</td>
<td></td>
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<tr>
<td>Babbel, Gareth R.</td>
<td>Assistant Professor (Biology)</td>
<td>University of Texas, 1970</td>
<td></td>
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<tr>
<td>Bailey, Oscar W.</td>
<td>Professor (Visual Arts)</td>
<td>University of Texas, 1969</td>
<td></td>
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<tr>
<td>B.A.; M.A.; Ph.D.</td>
<td></td>
<td>Ohio University, 1958</td>
<td></td>
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<tr>
<td>Baird, Ronald C.</td>
<td>Associate Professor (Marine Science)</td>
<td>1969 St. Petersburg Campus</td>
<td></td>
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<td>B.S.; M.A.; Ph.D.</td>
<td></td>
<td>Harvard University, 1969</td>
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<td>Baker, Carleton H.</td>
<td>Professor-Chairperson (Physiology)</td>
<td>1971</td>
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<td>B.A.; M.A., Ph.D.</td>
<td></td>
<td>University of Chicago, 1972</td>
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<td>Barkholz, Gerald R.</td>
<td>Instructor (Education)</td>
<td>1968</td>
<td></td>
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<td>Barnard, James W.</td>
<td>Professor (Education)</td>
<td>1968</td>
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<td>B.A.; M.B.; Ph.D.</td>
<td></td>
<td>Yale University, 1963</td>
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<td>Barnes, Lewis A.</td>
<td>Professor-Chairperson (Pediatrics)</td>
<td>1972</td>
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<tr>
<td>A.B.; M.D., Hahnemann Medical School, 1944 M.A. Hon.</td>
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<td>Barr, Carolyn L.</td>
<td>Student Affairs Coordinator (Physical Education, Student Affairs)</td>
<td>1970</td>
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<td>B.S.; M.A., Appalachian State Teachers College, 1962</td>
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<tr>
<td>Bartholomew, David G.</td>
<td>Research Associate (Chemistry)</td>
<td>1975</td>
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<td>B.S., Ph.D.</td>
<td></td>
<td>University of Utah, 1974</td>
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<td>Bartlett, Alton C.</td>
<td>Professor (Management)</td>
<td>1967</td>
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<td>B.S.; Ph.D.</td>
<td></td>
<td>University of Wisconsin, 1964</td>
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<td>Bartlett, Anthony F.</td>
<td>Visiting Assistant Professor (Management)</td>
<td>1976</td>
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<td>L.L.B.; L.L.M.</td>
<td></td>
<td>Queen’s University, Belfast, Ireland, 1970</td>
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<td>Bassuk, Daniel E.</td>
<td>Assistant Professor (Religious Studies)</td>
<td>1970</td>
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<td>B.S.; M.A., Ph.D.</td>
<td></td>
<td>Drew University, 1974</td>
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<td>Bates, Margaret L.</td>
<td>Professor (Political Science)</td>
<td>1975 Sarasota Campus</td>
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<td>B.A.; M.A., Ph.D.</td>
<td></td>
<td>University of Texas, 1974</td>
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<td>Battle, Jean A.</td>
<td>Professor (Education)</td>
<td>1959</td>
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<td>Baudoyn, Larry A.</td>
<td>Associate Business Manager (Medical Center)</td>
<td>1972</td>
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<td>B.S., Nicholls State University, 1968</td>
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<td>Baumgarten, Steven A.</td>
<td>Associate Professor (Marketing)</td>
<td>1976</td>
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<td>B.I.E.; M.S., Ph.D.</td>
<td></td>
<td>Purdue University, 1971</td>
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<td>Beach, Dorothy R.</td>
<td>University Counseling Psychologist</td>
<td>1972</td>
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<td>Counseling Center, Student Affairs)</td>
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<tr>
<td>Bean, Charles F.</td>
<td>Coordinator Affiliate Lecturer (Engineering)</td>
<td>1968</td>
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<td>B.Ph.; M.E., University of South Florida, 1968, P.E.</td>
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<tr>
<td>Beasley, Bo B.</td>
<td>Associate Professor (Education)</td>
<td>1970</td>
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<td>B.S., M.Ed.; Ph.D.</td>
<td></td>
<td>Florida State University, 1968</td>
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<td>Beasley, W. Wayne</td>
<td>Associate Professor (Education)</td>
<td>1969</td>
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<td>B.S.; M.S., Ed.D.</td>
<td></td>
<td>Indiana University, 1964</td>
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<tr>
<td>Beenhakker, Arie</td>
<td>Professor-Coordinator (Finance/Economics)</td>
<td>1973</td>
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<td>Ph.D.; Ph.D.</td>
<td></td>
<td>Purdue University, 1964</td>
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<td>Behinke, Roy H.</td>
<td>Professor-Chairperson (Internal Medicine)</td>
<td>1972</td>
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<tr>
<td>A.B.; M.D., Indiana University School of Medicine, 1946</td>
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</tbody>
</table>
BLAU, LILI R. University Counseling Psychologist, Academic Administrator (Counseling Center, Student Affairs), 1967

B.S., M.S.; Ph.D., United States International University, 1963

BLAU, THEODORE Professor (Psychiatry), 1975 (Part time)

B.S., M.S., Ph.D., Pennsylvania State University, 1951

BLOCH, SYLVAN C. Professor (Physics), 1963

B.S., M.S., Ph.D., Florida State University, 1962

BLOQUIST, ALLEN J. Associate Professor (Psychology), Coordinator (Campus-Wide Scheduling), 1971 St. Petersburg Campus

B.S., M.S., Ph.D., University of Wisconsin, 1960

BLOWER, WILLIAM Associate Professor-Acting Chairperson (Criminal Justice Program), 1968

B.A.; M.A.; Ph.D., George Peabody College, 1969

BOLIVAR, JUAN C. Professor (Surgery), 1972 (Part time)

B.S., M.D.; M.D., University of Paris, Sorbonne, 1940

BONDI, JOSEPH C., JR. Professor (Education), 1965


BOPP, FREDERICK, III Visiting Assistant Professor (Geology), 1976

B.A., Brown University, 1966

BORDEN, ARTHUR R. Professor (Literature), 1975 Sarasota Campus

A.B., M.A., Ph.D., Harvard University, 1950

Boren, Hollis G. Acting Director (Medical Center), Acting Dean (College of Medicine), Professor (Internal Medicine), 1973 (Part time)

B.A.; M.D. Baylor University College of Medicine, 1946

BORSAY, DORANNE J. Assistant in Research (Marine Science), 1975

B.S., University of Rhode Island, 1975

BOWEN, ADA M. University Librarian (Medical Library), 1965

B.A., M.S.; M.A., University of Antioch School of Medicine, Medellin, Colombia, 1964

BOTT, WILLIAM K. Professor (Education), 1960


BOULANT, JACK A. Assistant Professor (Physiology), 1974

B.A.; Ph.D., University of Rochester School of Medicine and Dentistry, 1971

BRADY, HENRY G. Associate Professor (Education), 1969

B.S.; M.Ed.; Ph.D., Florida State University, 1969

BRADY, WILLIAM M. Instructor (Mass Communication), 1963 (Part time)

B.S., M.S., University of Illinois, 1967

BRAMAN, ROBERT S. Professor (Chemistry), 1967

B.S.; Ph.D., Northwestern University, 1966

BRAMES, HERMAN J. Assistant Administrator (Regional Campus Affairs), 1964

B.S., M.S., Indiana State University, 1964

BRANDMEYER, GERARD A. Associate Professor (Sociology), 1969

B.A., M.A., Ph.D., University of California, Los Angeles, 1965

BRANTLEY, BETTY C. Associate Professor (Education), 1968

B.S.; M.Ed.; Ph.D., Florida State University, 1970

BRAUNSTEIN, STEWART M. Assistant Professor (Radiology), 1976 (Part time)

B.S.; M.D., University of Bologna, Italy, 1968

BRAY, LLOYD J., JR. Coordinator, Programming (Florida Center for the Arts), Affiliate Lecturer (Theatre), 1973

B.A.; M.A., University of North Carolina, 1965

BREIT, FRANK D. Associate Professor (Education), 1968

B.A., M.Ed., Ph.D., University of Texas, 1968

BRIDGES, VIRGINIA A. Associate Professor (Education), 1964

B.M.Ed., M.A., Ph.D., Ohio State University, 1965

BRIDGES, WINSTON T., JR. Assistant Professor (Education), 1970 St. Petersburg Campus

B.A., M.Ed., Ph.D., University of Florida, 1975

BRIGGS, JOHN C. Professor (Biology) Acting Chairperson (Marine Science), Affiliate Professor (Marine Science), 1964

B.S., M.A., Ph.D., Stanford University, 1952

BRIGHTWELL, J. RICHARD Director (Continuing Education), 1964

B.S., M.A., Ohio State University, 1947

BRIGHTWELL, RUTH G. Counselor/Adviser (Education), 1969 (Part time)

B.S., Ohio State University, 1948

BRODSKY, SYDNEY J. Assistant Professor (Pediatrics), 1974 (Part time)

B.A.; M.D., University of New York, Upstate Medical Center, 1963

BROER, LAWRENCE R. Associate Professor (English), 1965

B.S., M.A., Ph.D., Bowling Green State University, 1968

BROOKER, H. RALPH Associate Professor (Physics), 1964

B.S., M.S., Ph.D., University of Florida, 1962

BROOKS, ROBERT D. Professor-Chairperson (Speech Communication), 1974

A.B.; M.A., Ph.D., Cornell University, 1965

BROWN, CURTIS J. Counselor/Adviser (Business), 1972 (Part time)

B.S., Florida A & M University, 1963

BROWN, HUGH K. Assistant Professor (Anatomy), 1974

B.S.; M.S.; Ph.D., Tulane University, 1974

BROWN, LARRY N. Associate Professor (Biology), 1967

B.S.; M.A., Ph.D., University of Missouri, 1962

BRUCE, RITA G. Associate Professor (Education), 1970

B.S., M.S., Ed.D., West Virginia University, 1965

BRUNHILD, ROBERT L. Professor (Economics), 1960

B.S., M.B.A., Ph.D., University of Southern California, 1957

BRUS, JAMES J. Director (Information Services), 1973

B.S., Ohio State University, 1950

BRUNT, ALMA G. Associate Professor (English), 1972

B.S., M.A., Ed.D., University of Florida, 1976

BRYANT, FRED D. Director (Medical Center Library), 1971

A.B., M.S.L.S., Emory University, 1947

BRYANT, HAYDEN C., JR. Associate Professor (Education) 1967

B.A., M.A., George Peabody College, 1957

B.S., M.A., University of North Carolina, 1966

B.S., M.D., Medical University of South Carolina, 1972

BRADSHAW, ROBERT D. Student Affairs Coordinator (University Publications, Student Affairs), 1973

B.A., B.F.A., M.S., Miami University, Ohio, 1973
Brykczynski, Karen A. .......... Instructor (Nursing), 1976
B.S.N., M.S.N., Adelphi University, 1976

Buono, Edgar E. ................. Assistant Professor
(Pharmacology), 1973 (Part time)
M.D., University of San Marcos, Lima, Peru, 1965

Bukantz, Samuel C. ............... Professor (Internal Medicine), 1972 (Part time)
B.S.; M.D., New York University College of Medicine, 1934

Bullock, Bruce L. ............... Visiting Lecturer (Music), 1976
B.M.; M.M.; D.M.A., North Texas State University, 1971

Bullock, John T. ............... Associate Professor (Education), 1966

Bullock, Phyllis N. ............... Assistant in Research
(Pediatrics), 1976
B.S.; M.A., Harvard Medical School, 1955

Burck, Glenn A. ................. Professor (Electrical Engineering), 1965
B.S., M.S., Ph.D., Massachusetts Institute of Technology, 1961

Burt, Peter F. ................. Professor (Biological Sciences), Chairperson
(Natural Sciences), 1975 Sarasota Campus
Ph.D., University of Chicago, 1955

Burnley, W. Wade ............... Professor (Education), 1966
B.A.; M.Ed., Ph.D., University of North Carolina, 1970

Burns, Thomas J. ............... Assistant Professor
(Religious Studies), 1969

Burr, Russell K. ............... Associate Director (Veterans
Affairs, Branch Campuses, Student Affairs), 1973
B.A., M.A., University of South Florida, 1976

Burton, Robert H. .......... Associate Professor (Economics), 1963
B.B.A., M.B.A., Ph.D., Louisiana State University, 1967

Busot, J. Carlos ............... Associate Professor-Assistant
Chairperson (Chemical Engineering), 1970
B.S., M.S., Ph.D., University of Florida, 1970

Busta, Joseph F., Jr. ....... Assistant to the President
(Chairperson's Office), 1971
B.S.; M.S., University of Tennessee, 1972

Butler, Charles W. ............. Director (Physical Plant), 1965
B.A., Lincoln Memorial University, 1942

Butler, James R. ............... Assistant Professor (Chemistry), 1975 Sarasota Campus
B.S., Ph.D., University of Texas, Austin, 1972

Byrne, Luis O. ............... Assistant Professor (Psychiatry), 1975
(Part time)
M.D., San Marcos University, Lima, Peru, 1964

Cafisch, Jacob C., III .......... Associate Professor
(Linguistics), 1970
A.A., A.M., Indiana University, 1974

Caldwell, Edward ............... Director-Associate Professor
(Testing and Evaluation), 1965
B.S., M.S., Ed.D., Florida State University, 1958

Cameron, Wm. Bruce .......... Professor (Sociology), 1964
B.A., M.A., Ph.D., University of Wisconsin, 1952

Camp, John B. .................. Associate Professor (Linguistics),
Program Director (Liberal Studies), 1964
B.M.; M.M., Ph.D., Florida State University, 1964

Carroll, Paul E., Jr. ........... Assistant University Librarian
(Libraries), 1972
B.A.; M.S.L.S., Florida State University, 1972

Cano, Carlos J. ............... Assistant Professor
(Foreign Languages), 1970
B.A.; M.A., Ph.D., Indiana University, 1973

Capsas, Cleon W. .......... Professor (Foreign Languages), 1970
B.A.; M.A., Ph.D., University of New Mexico, 1964

Carroll, W. E., Jr. .......... Associate Professor (Nursing), 1973

Card, George R. .............. Academic Administrator (Cooperative
Education and Placement, Student Affairs), 1970
B.S.; M.A., University of South Florida, 1971

Carder, Kendall L. ............ Associate Professor (Marine
Science), 1969 St. Petersburg Campus
B.S., M.S., Ph.D., Oregon State University, 1970

Carlson, Rebekah L. .......... Instructor (Communication), 1968
B.S.; M.S., University of South Florida, 1970

Carmichael, John D. ........... Assistant Professor
(Marketing), 1967
B.S., M.B.A., Georgia State University, 1965

Carpen ter, William C. ....... Associate Professor
(SMF-Engineering), 1976
B.S.C.E., Ph.D., North Carolina State University, 1966

Carr, David R. ............... Assistant Professor (History), 1971
St. Petersburg Campus
B.A.; M.A., Ph.D., University of Nebraska, 1971

Carr, Joseph A. ............... Associate Professor (Planetary), 1960
Carr, Matthew L. ............... Assistant Professor (Internal
Medicine), 1974 (Part time)
B.A.; M.D., Albert Einstein Medical College, 1966

Carroll, Delos L., Jr. ........... Associate Professor
(English), 1969

Carter, Charles E. .......... Assistant Vice President for
Planning and Budgeting (Academic Affairs), 1974
A.B.; M.A., Ph.D., Florida State University, 1971

Carter, David A. ............... Assistant Professor
(Speech Communication), 1973
B.A., M.F.A.; Ph.D., University of Iowa, 1976

Cartledge, Jack E. .......... Assistant Professor
(Fine Arts), 1975 Sarasota Campus
B.A.; M.A., University of Alabama, 1949

Chaffin, Robert M., Jr. ... Assistant Professor
(Pediatrics), 1976
B.A.; M.D., University of Cincinnati College of Medicine, 1970

Ceconi, Isabella F. .......... Lecturer (English), 1960
B.A., Wells College, 1940

Chai, Soo Bong ............... Associate Professor
(Mathematics), 1975 Sarasota Campus
B.S.; M.A.; Ph.D., University of Rochester, 1970

Cavanaugh, Robert M. ....... Assistant Professor (Education), 1964
A.B.; M.A.; Ed.D., University of Tennessee, 1963

Chappell, James E. ............ Associate in Research (Greater
Tampa Alcohol Safety Action Project), 1972
B.S., Memphis State University, 1965

Cheatham, Mary J. .......... Lecturer (Physical Education), 1967 (Part time)
B.A.; M.S., Florida State University, 1967

Chen, Tsong-Ming ......... Professor (Electrical Engineering), 1972
B.S.; Ph.D., University of Minnesota, 1964

Cherry, R. Adrian .......... Associate Professor
(Foreign Languages), 1961
B.A., M.A., Ph.D., University of Kentucky, 1960

Chisnell, Robert E. ........... Associate Professor (English), 1967
B.A., M.A., Ph.D., Auburn University, 1971

Christensen, James A. ....... Assistant Professor (Surgery), 1973 (Part time)
B.A., M.D. Indiana University, 1968

Christie, Rick D. ............ Athletic Coach (Physical
Education, Student Affairs), 1970
B.A., University of South Florida, 1970

Ciliberto, Eric F. .......... Assistant Professor
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B.A., M.D., Syracuse University College of Medicine, 1951

Cimino, Louis E. .......... Associate Professor (Pediatrics), 1974 (Part time)
B.S.; M.D., St. Louis University, 1950

Clapp, Roger W., Jr. .......... Associate Professor (Physics), 1963
B.S.; M.S., Ph.D., University of Virginia, 1954

Clark, John R. .......... Professor-Chairperson (English), 1973
B.A.; M.A.; Ph.D., University of Michigan, 1965

Clark, William E. .......... Professor (Mathematics), 1970
B.A.; Ph.D., Tulane University, 1964
CLAYTON, GLENNDON E. ................... Assistant Vice President (Finance and Planning), 1966

B.S.; M.A., University of South Florida, 1973

CLEARY, LYNN P. ........ Associate Professor (Education), 1970

B.A., M.S., Ph.D., Florida State University, 1970

CLESER, FRANK E. .................. Professor (Mathematics), 1960

B.S.; M.S.; Ph.D., Tulane University, 1960

CLEMMENT, DAVID E. .............. Professor (Psychology), 1965

B.S., Ph.D., Johns Hopkins University, 1963

CLINE, RALPH .................. Assistant Professor (Education), 1971

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CLINGMAN, JOY M. .... Associate Professor (Psychology), 1970

B.S., Ph.D., University of Kansas, 1970

COLIN, JAMES ...... Professor (Mathematics), 1974

B.S.; M.S.; Ph.D., Auburn University, 1973

COLLOUGH, J. ........... Associate Professor, Sarasota Campus

B.A.; B.S.; B.A.; M.A., Ph.D., Florida State University, 1970

COLLIER, CLARENCE H.............. Associate Professor (Psychology), 1969

B.S., M.M., College-Conservatory of Music, Cincinnati, 1956

COLLIER, CLARENCE H.............. Associate Professor (Psychology), 1969

COLE, RICHARD P. ................ Coordinator (Social and Behavioral Sciences), 1975

B.S., M.S.W., Florida State University, 1971

COLIN, JAMES ...... Professor (Psychology), 1971

B.S.; M.A., University of Denver, 1968

COLING, JOHN W. ..................... Lecturer-Director (Florida Center for the Arts), 1969

B.S., M.M., College-Conservatory of Music, Cincinnati, 1956

COLE, NANCY B. ................ Associate Professor and Chairperson (Theatre), 1976

A.B.; M.F.A. in Acting, State University of Iowa, 1964

COLE, ROGER W. ........ Associate Professor-Program Director (Linguistics), 1969

B.A., M.A.; Ph.D., Auburn University, 1968

COLLIERS, CLARENCE H. .......... Associate Professor (Education), 1968

B.S., M.E., University of Georgia, 1965

COLLIER, TROY L. ........ Assistant to Vice President (Student Affairs), 1971

B.S.; M.L.A., Southern Methodist University, 1971

COLLIERS, PASCAL J. ....... Assistant Professor (English), 1969

B.S., M.A., University of Denver, 1968

COLLIERS, PHILIP D. .......... Assistant Athletic Coach (Physical Education, Student Affairs), 1973

B.A., University of South Florida, 1973

CONNER, HUNTER N. ............ Head Basketball Coach (Physical Education, Student Affairs), 1974

B.A., M.Ed., University of Virginia, 1965

CONWAY, CHARLES E. .......... Assistant Professor (American Studies), 1964

B.S., Temple University, 1961

COOK, DORIS C. ........ University Librarian (Libraries), 1968

St. Petersburg Campus

C.O.O.; M.S.L.S., Florida State University, 1966

COOK, JOHN A. ........ Assistant Professor (Music), 1974


COOK, JOHN P. ............. Associate Professor-Acting Chairperson (Economics), 1968

B.S.; M.B.A.; Ph.D., University of Colorado, 1967

COOK, NANCY S. .......... Counselor/Adviser (Education), 1974 (Part time)

B.S.; M.B.A., University of Denver, 1960

COOPER, CLARA B. .... Associate Professor (Humanities), 1969

B.A., M.A., Ph.D., Florida State University, 1969

CORY, JOSEPH G. ........... Professor-Chairperson (Biocenstore), 1970

B.S.; Ph.D., Florida State University, 1963

COVINGTON, HARRISON W. ....... Professor (Visual Arts), 1961


COWELL, BRUCE C. .......... Associate Professor (Biology), 1967

B.A.; M.A., Ph.D., Cornell University, 1963

COX, BARBARA C. ........ Academic Administrator (Arts and Letters), 1974

B.A., William & Mary, 1958

COX, ERNEST L. III ............ Professor (Visual Arts), 1962

B.A.; M.F.A., Cranbrook Academy of Art, 1961

COX, ROBERT G. ............... Dean-Professor (Business Administration), 1975

B.S.; M.B.A.; Ph.D., University of Pennsylvania, 1956, 1960

CRAI; CALVERT J. ....... Associate Professor-Acting Chairperson (Education), 1967

B.S.; M.S., University of Illinois, 1951

CRAIG, CHARLES P. ........... Professor (Internal Medicine), 1972 (Part time)

B.A.; M.D., University of Pittsburgh School of Medicine, 1961

CRANE, ROGER A. ....... Associate Professor (Engineering), 1974

B.S.; M.S.; Ph.D., Auburn University, 1973

CRICKE'BERGER, MARGARET E. .......... Professor (Education), 1961

B.S.; M.S.; Ed.D., University of Florida, 1970

CRITTENDEN, JERRY ....... Associate Professor (Communicology), 1971

B.S.; M.A., Ph.D., Michigan State University, 1969

CROFT, JAMES E. ........ Associate Professor (Education), 1972

B.M.E.; M.A.; D.M.E., University of Oklahoma, 1970

CROOK, JAMES W. ....... Student Affairs Coordinator (Student Organizations, Student Affairs), 1973

B.A.; M.A., Indiana University, 1971

CZYSZEWSKY, PAUL V. ....... Assistant Professor (Education), 1974

B.S.; M.S., Indiana University, 1966

DALEYMA, JOSEPH J. .... Assistant Professor (Experimental Psychology), 1975 Sarasota Campus

B.A.; M.A., University of South Florida, 1976

CURRAN, JOHN S. ....... Associate Professor (Pediatrics), 1974

B.A.; M.A., University of South Florida, 1976

CURRAN, JOHN S. ....... Assistant Professor (Pediatrics), 1974

B.A.; M.A., University of South Florida, 1976

CUREY, CECIL ............ Professor (History), 1967

B.A., M.Sc., Ph.D., University of Kansas, 1964

CURTISS, THOMAS D. .......... Professor (Economics), 1974

B.S.; M.A., Ph.D., Indiana University, 1965

DAMEN, SHAPIRO, PAUL V. ....... Assistant Professor (Education), 1974

B.S.; M.S., Indiana University, 1966

DANIELS, HARRY P. ....... Student Affairs Coordinator (Student Publications, Student Affairs), 1974

B.A.; M.A., Ph.D., Boston College, 1969

DANENBURG, WILLIAM P. .... Associate Professor (Education), 1964

A.B.; M.Ed.; Ed.D., University of Tennessee, 1970

DATE, ALBERT W. ............ Associate Professor of Economics, 1967

B.S.; M.S.; Ph.D., University of California, Berkeley, 1959

DAVIS, RICHARD A. Jr. ....... Professor-Chairperson (Geology), 1973

B.S.; M.A.; Ph.D., University of Illinois, 1964

DAVIS, WESLEY E. .. Associate Professor (English), 1960

A.B.: M.A.; Ph.D., Stanford University, 1970

DRAWS, CLINTON J. .......... Professor (Biology), 1964

B.S.; M.A., Ph.D., University of California, Los Angeles, 1961

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B.A., M.A., University of West Florida, 1976

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B.S.N., M.N., Ed.D., University of South Florida, 1969

ERICKSON, LINDA E. ...... Academic Administrator (University Studies, Student Affairs), 1964
B.A., M.A., M.M., University of South Florida, 1970

ERVIN, DONALD W. ......... Instructor-Assistant Director (Sponsored Research), 1973
B.S., Athens College, 1964

ERVIN, LISA D. .. Counselor to Students (Housing and Food Service, Student Affairs), 1976
B.S., M.S., East Texas State University, 1976

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A.B.; Ph.D., Cornell University, 1975

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B.A.; B.S.; M.A.; Ph.D., Come/I University, 1975
B.S.; M.A., M.A., Ph.D., University of Texas, 1964
B.A.; M.A.; M.F.A., University of Kansas, 1963
M.D., Georgetown University, 1958
B.A., University of Florida, 1951
B.S., M.S., University of South Florida, 1963

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

FACTOR, REGIS A. ......... Assistant Professor (Political Science), 1971 St. Petersburg Campus
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 A. .......... Assistant Professor (Nursing), 1973
B.S.; M.S., Boston University, 1970

FANNING, KENT A. ....... Assistant Professor (Marine Science), 1973 St. Petersburg Campus

FARSÉ, ROBERT V. ......... Professor (Internal Medicine), 1973 M.D., Georgetown University, 1958

FELLER, JAMES F. ........... Instructor (Finance), 1974
B.A., University of South Florida, 1968

FENDER, RICKARD C. ........ Director (University Budgets) (Budget Office), 1968
B.A., University of South Florida, 1969

FENDERSON, KENDRICK E., JR. Assistant Professor (Mass Communications), 1973
B.S.; M.S.; Boston University, 1951

FERGUSON, DONALD G. ....... Professor (Education), 1970
B.S., M.A., M.Ed., University of South Florida, 1956

FERNANDEZ, JACQ E. .......... Professor (Chemistry), 1960
B.S.Ch., M.S., Ph.D., University of Florida, 1954

FERNANDEZ, SUSAN J. ........ Counselor/Adviser (Academic Advising, Student Affairs), 1974
B.A., M.B., University of South Florida, 1973

FERRANDINO, MARILYN M. .... Assistant Professor (Interdisciplinary Social Science/Women’s Studies Program), 1973
B.A.; M.A., Ph.D., State University of New York at Buffalo, 1976

FERRARO, NANCY E. .......... Director (Records and Registration), 1975 Sarasota Campus
B.S., B.A., University of Florida, 1959

FERRIS, MARY W. ........... Associate University Reference Librarian (Libraries), 1971 Part time, St. Petersburg Campus
B.A.; M.L.S., Emory University, 1956

FIEBER, WARREN W. .......... Associate Professor (Surgery), 1975 Part time
B.S.; M.D., University of Wisconsin Medical School, 1955

Figg, ROBERT M., III ...... Associate Professor (English), 1965
B.S., M.A., Ph.D., University of North Carolina, 1965

FILIPOWSKY, RICHARD F. J. ........ Professor (Electrical Engineering), 1970

FILSKOV, SUSAN B. .... Assistant Professor (Psychology), 1975
B.A., Ph.D., University of Vermont, 1975

FINELLI, PATRICK M. ....... Production Coordinator (Florida Center for the Arts), Affiliate Lecturer (Theatre), 1976
B.A., M.A., University of California at Berkeley, 1975

FINLEY, ROBERT L. .......... Assistant Professor (Business Administration), 1974 Ft. Myers Campus
B.B.A., M.A., Ph.D., University of Oklahoma, 1974

FINNEY, ROY P. ............. Professor (Surgery), 1974 (Part time)
M.D., Medical University of South Carolina, 1952

FIORE, SILVIA R. ........... Associate Professor (English), 1969
B.Ed., M.A.; Ph.D., University of Pittsburgh, 1970

FIRESTONE, FREDERICK ....... Assistant Professor (Family Medicine), 1976
M.D., University of Vienna Medical School, 1937

FISHEL, CHARLES W. ......... Professor-Chairperson (Medical Microbiology) Associate Dean (Pre-Clinical Affairs), 1970
B.S., M.S.; Ph.D., University of Chicago, 1955

FISHER, ARTHUR W., JR. ....... Lecturer (Accounting and Law), 1970

FITZPATRICK, DAVID F. ....... Assistant Professor (Pharmacology), 1972
B.S., M.A.; Ph.D., Vanderbilt University, 1969

FLOWER, PHYLLIS L. ....... Assistant Professor (Sociology), 1972
B.S., M.S., Ph.D., Pennsylvania State University, 1969

FLICKER, SUZY H. ........... Assistant Professor (Nursing), 1973
B.S.N.; M.S.N., Vanderbilt University, 1971

FLYNN, ROBERT W. ......... Associate Professor (Physics), 1968
B.S.; S.M., Sc.D., Massachusetts Institute of Technology, 1968

FOLLMAN, JOHN C. ........... Professor (Education), 1966
B.A.; M.A.; Ph.D., Indiana University, 1969

FORD, ROBERT L., JR. ....... Associate Professor (Economics), 1971
B.A.; M.A.; Ph.D., Boston College, 1971

FORMAN, ARTHUR J. ....... Assistant Professor (Psychiatry), 1975
B.S.; M.D., Medical College of Virginia, 1972

FORSETH, SONG D. ......... Assistant Professor (Education), 1971 St. Petersburg Campus
B.A., M.A.; Ph.D., University of Minnesota, 1976

FORSTER, FRANCIS G. ....... Systems Coordinator (Computer Research Center), 1965

FOSSLENI, EGIL ............. Associate Professor (Pathology), 1976 (Part time)
M.D., University of Heidelberg, 1966

FOSTER, ROBERT L., JR. ....... Associate Professor (Psychology), 1969 St. Petersburg Campus
B.A., M.A., Ph.D., University of Tennessee, 1963

FRANCIS, ROY G. ............ Professor-Chairperson (Sociology), 1970
B.A.; M.A.; Ph.D., University of Wisconsin, 1950

FRANQUES, JOHN T. ......... Assistant Professor (Engineering), 1971
B.S., M.S., Ph.D., Louisiana State University, 1971, P.E.

FREJIO, TOM D. ............. Associate Professor — Acting Program Director (Education), 1968

FRESHOUR, FRANK W. ........ Associate Professor (Education), 1969
B.S., M.Ed.; Ed.D., University of Florida, 1970

FRIEND, FRANK E. ........... Professor (Biology), 1960
B.A., Ph.D., University of Minnesota, 1958

FROELICH, RALPH O. ....... Associate Professor (Music Arts), 1974
B.S., Juilliard School of Music, 1958

FRUDGE, WILLIAM G., JR. ....... Associate Professor (Mass Communication), 1972
B.A.; M.S.; Ph.D., Florida State University, 1975
FUSON, ROBERT H. ................. Professor (Geography), 1960
A.B.; M.A.; Ph.D., Louisiana State University, 1958

FITZPATRICK, DALE E. .......... Lecturer (Marketing), 1969
B.Sc., M.B.A., Ph.D., Ohio State University, 1964

GAGGI, SILVIO L. .......... Assistant Professor (Humanities), 1972
B.A.; M.A.; Ph.D., Ohio State University, 1972

GARCIA, OSCAR N. ............... Professor-Assistant Chairperson
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B.S.E.E.; M.S.E.E.; Ph.D., University of Maryland, 1969

GARCIA, SANDRA A. .... Assistant Professor (Psychology), 1974
B.A.; M.A.; Ph.D., University of Southern California, 1971

GARVER, J. .... University Psychiatrist (Student Health Service, Student Affairs), 1969 (Part time)
A.B., M.D., Temple University, 1944

GARMS, CORRIE P. ............ Assistant Professor (Internal Medicine), 1974
B.S.; Ph.D., Vanderbilt University, 1972

GARRETT SAMUEL J. ............ Professor-Assistant Chairperson
(Electrical Engineering), 1967
B.E.E.; M.S.E.E.; Sc.D., University of Pittsburgh, 1963

GARRETT, WILLIAM .......... Associate Professor (English), 1960
St. Petersburg Campus
B.S., M.A.; Ph.D., University of Florida, 1958

GATES, JEAN K. .......... Associate Professor (Education), 1966
B.A.; M.S.L.S., Catholic University of America, 1951

GIBRAN, ALBERT M. .......... Professor (Religious Studies), 1961
B.A.; M.A.; Ph.D., University of Vienna, 1950

GILMORE, ALDEN S. ............ Associate Professor (Interdisciplinary Social Science), 1961
B.A.; M.A., Florida State University, 1957

GILMORE, ROBERT .............. Professor (Physics), 1971
B.S., Ph.D., Massachusetts Institute of Technology, 1967

GILMORE, ROBERT .............. Associate Professor (Systems Engineering), 1969
B.S., M.S., Washington University, 1965

GLAISER, STEPHEN P. ........... Associate Professor (Medicine), 1976
M.D., University of Miami Medical School, Florida, 1964

GLEMAN, STEPHEN ............ Assistant in Research (Physics), 1973 (Part time)
B.S., M.S., Ph.D., University of Miami, Florida, 1974

GLENISON, EMILE G. .......... Associate Professor (Foreign Languages), 1967
M.A.; Ph.D., University of Illinois, 1966

GOLDBERG, JEAN P. .......... Visiting Instructor (Communicology), 1968
B.S., Eastern Illinois University, 1949

GOLDSMITH, GEORGE H. ........ Director (Financial Aids, Student Affairs), 1969
B.A.; M.Ed., Tulane University, 1968

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B.A.; M.Ed., Tulane University, 1968

GOLDFINCH, GLAISER ............ Assistant Professor (Psychiatry), 1976
B.A.; M.D., Cornell University Medical College, 1949

GOMEZ, OSBORNE L. .......... Director (Extension Library), 1965 St. Petersburg Campus
A.B., M.A., M.S.L.S., Florida State University, 1969

GOODING, DOLORES K. .......... Counselor/Adviser/Instructor (Engineering), 1975
B.S., M.S., Virginia Polytechnic Institute, 1950

GOODMAN, ADOLPH W. ....... Distinguished Service Professor (Mathematics), 1964
B.Sc., M.A., Ph.D., Columbia University, 1947

GORDON, CHARLES A. ....... Coordinator (Education), 1968
B.A.; M.S.; Ed.D., Nova University, 1976

GORDON, KATHERINE K. ....... Coordinator/Instructor (Social and Behavioral Sciences), 1975
B.S.; M.A., Columbia University, 1961

GOULD, JAMES A. ............ Professor (Philosophy), 1964
B.S., M.A., Ph.D., University of Michigan, 1953

GOWEN, HOWARD B. .......... Associate Professor (Humanities), 1963
Ph.B.; B.S.; M.A., Florida State University, 1961

GRAHAM, ARTHUR D. ....... Professor-Chairperson (Radiology), 1972 (Part time)
B.S., M.D., University of Colorado School of Medicine, 1958

GRAHAM, HENRY B. ........... Assistant Professor (Art History), 1975 Sarasota Campus
A.B.; M.F.A., Ph.D., Princeton University, 1975

GRANGER, ROGER T., JR. ....... Assistant Professor (History), 1968
B.A., M.F.A., Ph.D., University of Arizona, 1962

GRANT, JAMES M. ........... Visiting Instructor (Economics), 1976
B.A.; M.B.A., University of South Florida, 1976

GRASSO, ROBERT J. .......... Assistant Professor (Medical Microbiology), 1971
B.S., Ph.D., State University of New York at Buffalo, 1968

GREGAN, JOE, JR. .......... Assistant Professor (Music Arts), 1962
B.A., M.F.A., Ph.D., University of Florida, 1966

GREENE, STEPHEN H. .......... Assistant Professor (Radiology), 1975 (Part time)
A.B.; M.S.; Ed.D., Syracuse University, 1969

GREENBERG, STEPHEN H. ....... Assistant Professor (Radiology), 1975 (Part time)
A.B.; M.D., University of Vermont College of Medicine, 1968

GRIGGS, JOHN E. .......... Professor-Chairperson (SMF-Engineering), 1964
A.B., M.A.; Ph.D., University of Arizona, 1962

GRILLOT, ANNE M. .......... Instructor (Nursing), 1974
B.S.; M.A., University of South Florida, 1975

GRIMES, MAXYNE M. ........ University Librarian (Medical Center Library), 1972
B.A.; B.S., Louisiana State University, 1947

GRINDLEY, ROBERT J. ....... Associate Professor/Athletic Coach (Physical Education, Student Affairs), 1964
B.A.; M.S., University of New Mexico, 1961

GRISCI, WALTER E. .......... Associate Professor (Mass Communications), 1967
B.S.; M.A., University of Florida, 1959

GROSS, P. .............. Associate Professor (Rehabilitation Studies Program), 1971
B.A.; M.A., Ph.D., University of Florida, 1967

GROTHMANN, WILHELM H. ....... Associate Professor (Foreign Languages), 1966
B.A.; M.A., Ph.D., University of Kansas, 1968

GRUNDY, JOHN L. .......... Assistant Professor (Psychiatry), 1974, (Part time)
B.S.; B.A., M.A., Ph.D., University of Utah, 1966

GROVER, KOFI R. A. .......... Assistant Professor (Afro-American Studies), 1972
B.A.; M.A., University of Iowa, 1967

GOFOirth, FRANCES S. .......... Associate Professor (Education), 1967
B.S., M.Ed.; Ed.D., Indiana University, 1966

GOLDEN, MARY L. .......... Assistant Professor (Management), 1975
B.S., A.B.; M.S., Northwestern University, 1973

GOLDBERG, LOUIS A. ....... Associate Professor (Music Arts), 1962

GOLDSMITH, GEORGE H. ........ Director (Financial Aids, Student Affairs), 1969
B.A.; M.Ed., Tulane University, 1968
GUILFORD, ARTHUR M. ........... Assistant Professor (Communication), 1975

B.A.; M.A.; University of Michigan, 1970

GUNTER, BILLY G. ........... Associate Professor (Sociology), 1968

A.B.; Ph.D., University of Tennessee, 1964

GUTIERREZ, JORGE R. ........... Associate Professor (Radiology), 1973 (Part time)

B.S., University of Valencia, Spain, 1958

HAASE, BARRY A. ........... Assistant in Research (Medicine), 1975

B.S.; M.A.; University of South Florida, 1974

HARBER, DAVID .......... Assistant Professor (Aging Studies Program), 1976

B.A.; Ph.D., University of Southern California, 1976

HACKNEY, JOHN F. ........... Assistant Professor (Pharmacology), 1974

B.A.; Ph.D., Stanford University, 1972

HAKANSON, CARL M. ........... Assistant Professor (Surgery), 1974 (Part time)

A.B.; M.S.; M.D., Columbia University College of Physicians and Surgeons.

HALBE, JAMES M. ........... Assistant Professor (Mass Communications), 1974

B.S., M.S.J., Northwestern University, 1955

HALDER, NARAYAN C. ........... Professor (Physics), 1972

Associate Professor (Chemistry), 1972

B.S.; M.S.; Ph.D., Indian Institute of Technology, 1963, F.A.P.S.

HALKIAS, DEMETRIOS G. ........... Associate Professor (Medical Microbiology/Pathology), 1972 (Part time)

B.S.; M.S., Ph.D., Loyola University, Chicago, 1964

HALL, BRUCE W. ........... Associate Professor (Education), 1969

B.S., M.S., Ed.D., Florida State University, 1969

HALL, ROBERT E. ........... Associate Professor (English), 1970

St. Petersburg Campus

B.A., M.A., John Carroll University, 1958

HALL, SALLIE J. ........... Associate Professor (English), 1963

B.A., M.A.; Ph.D., University of Florida, 1971

HALL, W. DIANNE .......... Assistant Professor (Education), 1976

B.S.; M.A., Ph.D., Ohio State University, 1976

HALLOCK, JAMES A. ........... Associate Professor (Pediatrics), 1972

Assistant Director (Ambulatory Care Center), 1972

A.B.; M.D., Georgetown University, 1967

HALSTEAD, BAMIE R. ....... Instructor (Communicology), 1976

B.S.; M.A., Gallaudet College, 1969

HAMMOND, C. DONALD .......... University Psychiatrist (Student Health Service, Student Affairs), 1975

B.S.; M.D., Medical College of South Carolina, 1961

HAMPTON, WARREN R. ........... Assistant Professor (Foreign Languages), 1969

B.A., M.A., Ph.D., Tulane University, 1968

HANEY, DONALD A. .......... Center Administrator, 1973

St. Petersburg Campus

B.A.; M.S., Florida State University, 1971

HANNI, EILA A. ........... Assistant Professor (Economics), 1970

B.A.; M.A., Ph.D., Yale University, 1970

HANSEN, ROY A. .......... Associate Professor (Sociology), 1969

B.A., M.A., Ph.D., University of California, Los Angeles, 1967

HARDY, MILES W. ........... Professor (Psychology), 1960

B.S.; M.S., Ph.D., Florida State University, 1960

HARKNESS, MARY LOU .......... Professor (American Studies), 1960

B.A., M.A., Ph.D., University of Minnesota, 1954

HARKNESS, MARY LOU .......... Director (University Libraries), 1958

B.A., A.B.L.S., M.S., Columbia University, 1958

HARLOW, DOROTHY N. .......... Associate Professor (Management), 1969

B.A., M.S., Ph.D., University of Kansas, 1970

HARMON, MARYHELEN C. .......... Lecturer (English), 1964

A.B., M.A.T., University of Florida, 1963

HARPER, HILARY ........... Assistant Professor (Criminal Justice Program), 1973

B.A.; M.R.C.; Ph.D., Sam Houston State University, 1974

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B.A., Rolls College, 1949

HARRES, BURTON H., JR. .......... Counselor to Students/Instructor (Housing and Food Service, Student Affairs), 1976

B.S.; M.S., Indiana University, 1976

HARRIS, HOWARD B. .......... Assistant Professor (Pediatrics), 1975

B.A., M.D., University of Pennsylvania, 1968

HARRIS, LEBRONE C. .......... Associate Professor (Accounting), 1970

B.S., M.Acc., D.B.A., Florida State University, 1970, C.P.A.

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J.D.; M.A., American University of Beirut, 1963

HARTER, STEPHEN P. .......... Assistant Professor (Education), 1974

B.S., M.A.; A.M., Ph.D., University of Chicago, 1974

HARTLEY, ALBERT C. .......... Vice President (Finance and Planning), 1971

B.S., M.B.A., Florida State University, 1968

HARTMAN, DALE W. .......... Director (Student Affairs), 1973 Sarasota Campus

B.A.; M.A., University of North Carolina, 1971

HARTMANN, ROBERT C. .......... Professor (Internal Medicine), 1974

A.B., M.D., Johns Hopkins University, 1944

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B.A., M.A.L.S., University of South Florida, 1976

HARWOOD, EDWIN S. .......... Associate Professor (Sociology), 1975, Sarasota Campus

B.A.; M.A., Ph.D., University of Chicago, 1966

HASSOLD, CRIS .......... Associate Professor (Art History), 1975, Sarasota Campus

B.A.; M.A.; Ph.D., Florida State University, 1972

HATCHER, JOHN S. .......... Associate Professor (English), 1968

B.A., M.A.; Ph.D., University of Georgia, 1968

HAWKINS, ANNIE L. .......... Assistant Professor (Music Arts), 1969

B.A., M.A., University of South Florida, 1970

HAWKINS, HAROLD L. .......... Professor (Psychology), 1967

A.B., M.A., Ph.D., University of Oregon, 1967

HAWKINS, HERBERT H. .......... Reading Clinician (Counseling Center), Lecturer (Student Affairs), 1971

B.S., M.A.; Ed.D., George Washington University, 1964

HAYAKAWA, JOANNE .......... Instructor (Visual Arts), 1974

B.A.; M.F.A., University of Washington, 1974

HAYES, MILDRED P. .......... Associate Professor (Nursing), 1975

B.S.N.; M.S., Texas Woman's University, 1969

HEARN, THOMAS K. .......... Assistant Professor (Education), 1967 (Part time) St. Petersburg Campus

A.B., M.A.; Ed.D., University of Alabama, 1965

HECHICHE, ABDELWAHAB .......... Associate Professor (Interdisciplinary Social Science), 1970

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HEESCHEN, RICHARD E. .......... Professor-Assistant Director (Physical Education, Student Affairs), 1962

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HEILOS, LAWRENCE J., JR. .......... Assistant University Librarian (Libraries), 1974

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HEIM, WILLIAM .......... Associate Professor-Program Director (Freshman English), 1970

A.B.; M.A., Ph.D., Indiana University, 1974

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B.A., M.A., Ph.D., Florida State University, 1962
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HERZ, GILMAN W. Professor (Physical Education, Student Affairs), 1960
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HINES, RICHARD H. Instructor (Sociology), 1971
B.S., M.A., Western Michigan University, 1972

HICKMAN, GEORGE W. Assistant Professor (Engineering), 1969
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HIGHTOWER, JOHN J. Assistant Professor, 1969
A.B.; M.A., M.B.A., Temple University, 1964

HIGHTS, JAMES J. Assistant Professor (Music), 1968
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HIGGINS, JAMES J. Assistant Professor (Mathematics), 1974
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HILL, RAYMOND Assistant Professor (Education), 1971
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HIVNER, CARL L. Assistant Professor (Communication), 1974
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B.A., University of South Florida, 1967
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KASHDIN, GLADYS S. .......... Professor (Humanities), 1965
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B.S.; M.S.; Ph.D., University of California, 1968
KAZANIS, BARBARA W. .......... Assistant Professor (Education), 1974
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B.S., M.A., Ph.D., University of Florida, 1960
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B.S., M.S., Ed.D., Cornell University, 1956
KEENE, T. WAYNE ....... Associate Professor (Education), 1963
B.S.; M.Ed., Ed.D., University of Florida, 1963
KEETH, JOHN E. .......... University Acquisition Librarian (Libraries), 1968
B.A., M.L.S., Louisiana State University, 1969
KETTER, FRONSI B. .......... Associate Professor (Education), 1966
B.A., M.S., Ph.D., University of Iowa, 1963
KEITH, ROBERT M. .......... Associate Professor (Accounting), 1969
B.S., M.Acc., Ph.D., University of Alabama, 1969, C.P.A.
KELLER, RONALD K. ........ Assistant Professor (Biochemistry), 1975
B.S.; Ph.D., Vanderbilt University, 1973
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KELLEY, JOHN E. .......... Associate Professor (Mathematics), 1964
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B.S., M.S., Ph.D., University of Michigan, 1960
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B.A., M.S., Ph.D., University of Florida, 1961
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A.B., M.C.S., Dartmouth College, 1938
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A.B., M.A., Ph.D., Indiana University, 1961
KERN, ALLEN F. .......... Instructor (Education), 1974
B.A.; M.S.T.; M.S.Ed., Florida State University, 1971
KERN, ROBERT L. .......... Associate Professor (Mass Communications), 1972
B.A.; M.A., Syracuse University, 1969
KETCHERSID, ARTHUR L. .... Assistant Director (Libraries), 1973
B.S., M.S., Florida State University, 1961
LEAVENGOOD, LEE B.  Counselor/Adviser (University Studies, Student Affairs), 1973
B.S.; M.A., University of South Florida, 1973

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B.A., M.A., University of South Florida, 1972

LEVITT, ROBERT  Director (Admissions, Student Affairs), 1968
B.S.S., M.S., City College of New York, 1938

LEVY, ARTHUR B.  Assistant Professor (Political Science), 1970
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LEVY, CHARLENE C.  Assistant Professor (Psychology), 1975
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B.A., M.A.S., George Peabody College, 1964

LIANG, JOSEPH J.  Associate Professor (Mathematics), 1970
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LICHTENBERG, BETTY K.  Professor (Education), 1971
B.A., M.A., Ph.D., University of Illinois, 1967

LICHTENBERG, DONOVAN R.  Professor (Education), 1962
B.A., M.S., Ph.D., University of Wisconsin, 1966

LINDSAY, EDMUND M.  Clinical Psychologist (Counseling Center, Student Affairs), 1971
B.A., M.A., Sonoma State College, 1970

LIM, DANIEL V.  Assistant Professor (Biology), 1976
B.A.; Ph.D., Texas A & M University, 1973

LIMOGES, LANCE D.  Assistant Professor (Geography), 1967
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LIN, SHWU-YENG T.  Associate Professor (Mathematics), 1964
B.S., M.S., Ph.D., University of Florida, 1965

LIN, YUN-FENG  Professor (Mathematics), 1964
B.Sc., Ph.D., University of Florida, 1964

LINDER, RONALD  Associate Professor (Education), 1969
B.S., M.S.¹, Ed.D., University of Florida, 1969

LINTON, JOE R.  Associate Professor (Biology), 1963
B.A., M.A., Ph.D., University of Missouri, 1962

LITHGOW, ARTHUR W.  Visiting Associate Professor (Theatre), 1976

A.B.; M.A.; Cornell University, 1947

LLLEWELLYN, JOHN A.  Professor (Chemical Engineering), 1971
B.Sc., Ph.D., University College Cardiff, 1958

LOYD, G. LEROY  Assistant Professor (Nursing) Coordinator of Advising, 1974
B.S., M.Ed.; Ph.D., Oklahoma University, 1974

LONG, JO ANN  Associate Professor (Education), 1969
A.A.B., Ed.D., Florida State University, 1954

LONGSTREET, JAMES R.  Professor (Finance), 1967
B.A.; M.B.A., Ph.D., Northwestern University, 1956

LORENZEN, WILLIAM A., III  Associate Professor (Theatre Arts), 1966
B.S.S., M.F.A., Tulane University, 1966

LOVELESS, RICHARD L.  Associate Professor (Education), 1968
B.S.; M.S., Pennsylvania State University, 1964

LOW, EDMOND  Director (Library), 1975
B.S., M.A.L.S., University of Michigan, 1938

LOWE, ALVIN J.  Associate Professor (Education), 1966

LUCOFF, MANNY  Associate Professor (Mass Communications), 1963
B.A., M.A.; Ph.D., University of Iowa, 1971

LUPTON, D. KEITH  Program Director, Lecturer (Interdisciplinary Social Sciences), 1967
B.S.; LL.B.; M.A., Dartmouth College, 1951

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LUTZ, BARBARA K.  Visiting Instructor (Education), 1976
B.Ed.; M.A., University of South Florida, 1971

LYMAN, CHARLES F.  Associate Professor (Visual Arts), 1972
B.A.; M.S., Institute of Design, Illinois Institute of Technology, 1969

MAASS, PHYLLIS A.  Assistant Professor (Social Work Program), 1976
B.S.; M.S.W., University of America, 1960

MACCULLOUGH, DOUGLAS B.  University Registrar (Registrar), 1971
B.S.; M.A., University of Florida, 1965

MACDONALD, GWENDOLINE R.  Dean-Professor (Nursing), 1973
B.S.; M.A., Ed.D., Columbia University, 1963

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A.B., M.A., University of South Florida, 1967

MACKAY, MAXINE  Professor (Humanities), 1961
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MACKNEY, BERNARD A.  Acting Assistant to Vice President (Academic Affairs), 1972
B.F.A.; M.A., University of South Florida, 1972

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B.S.; M.D., University of Pennsylvania School of Medicine, 1969

MANDLOW, MARTHA  Counselor/Adviser (Business), 1972
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B.A.; M.A.; Ph.D., University of Southern California, 1971

MANISCALCO, BENEDICT S.  Assistant Professor (Internal Medicine), 1976 (Part time)
B.S.; M.D., Duke University, 1967

MANKER, CHARLES C., Jr.  Professor (Education), 1966
B.A., M.R.E., Ph.D., University of Kentucky, 1956

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B.A.; Ed.; Ph.D., University of Nebraska, 1970

MANOUGIAN, MANOUG N.  Professor-Chairperson (Mathematics), 1968
B.A., M.A., Ph.D., University of Texas, 1968

MANSFIELD, RICHARD L.  Professor (Biology), 1967
B.A.; M.A., Ph.D., Indiana University, 1964

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B.A., University of Pennsylvania, 1940

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MARSH, BRUCE L.  Associate Professor (Visual Arts), 1969
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MARSHALL, PHYLLIS P.  Director (University Center), 1960
B.A., M.A., Marshall University, 1954

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MATSUI, MARILYN S.  Assistant Professor (Music), 1971
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MASON, FRANK T.  Assistant Professor (English), 1969
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M.D.

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MERCIA, JOHN A. Assistant Professor (Education), 1968
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MERIAM, H. B. Professor (Education), 1969
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MERIAM, KEMPER W. Professor (Accounting), 1967
B.B.A., M.B.A., Ph.D., University of Texas, 1957, C.P.A.
MESSINA, ANTHONY M. Assistant Professor (Obstetrics and Gynecology), 1975
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MEYER, GEORGE H. Assistant Professor (Mass Communications), 1975
B.S.; M.A., University of Iowa, 1969
MEYER, HERBERT H. Professor-Program Director (Industrial/Organizational Psychology), 1973
B.S.; M.S., M.A., Ph.D., University of Michigan, 1949
MEYER, RICHARD L. Associate Professor (Finance), 1970
B.S., M.B.A., Ph.D., University of Wisconsin, 1971
MEYERRECKS, ANDREW J. Professor (Biology), 1961
A.B.; Ph.D., Harvard University, 1958
MICHAEL, JAMES D. Assistant University Librarian (Libraries), 1974
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MICHAELIDES, GEORGE J. Associate Professor (Mathematics), 1961
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MICHAELIDES, THERESA B. Lecturer (Biology), 1971
B.S., Lamar State College, 1960
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MILENI, VIRGINI C. Professor (Foreign Languages), 1963
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MILLER, ARTHUR M.C.A. Associate Professor (Architecture), 1975 Sarasota Campus
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MILLER, KAREN L. Associate in Research (Pediatrics), 1975
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 MOON, JAMES E. Associate Professor (Accounting), 1970
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MOORE, ANTHONY B. Instructor (Psychiatry), 1974 (Part time)
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MOORE, HARVEY A. .... Assistant Professor (Sociology), 1974
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MOORE, JACOB B. ... Professor (English), 1962
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B.S.; M.S.; D.V.M., Auburn University, 1955

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B.A., University of South Florida, 1974

NESS, GENE C. .... Assistant Professor (Biochemistry), 1974
B.S.; Ph.D., University of North Dakota, 1971

NESS, THOMAS E. .... Associate Professor-Coordinator (Marketing), 1971
A.B.; B.S.E.; M.S.I.A., Ph.D., Purdue University, 1968

NEUGAARD, EDWARD J. ... Professor (Foreign Languages), 1964
B.A.; M.A., Ph.D., University of North Carolina, 1964

NEVILLE, DONALD D. ... Professor (Education), 1972
B.S., M.Ed.; Ed.D., University of Florida, 1961

NEWCOMBE, P. JUDSON ... Professor (Education), 1970
B.A.; M.A., Ph.D., Northwestern University, 1963

NEWMAN, LESTER C. ... Provisional Assistant Professor (Afro-American Studies), 1976
B.A.; M.A., Atlanta University, 1976

NICKELS, BRADLEY J. .... Associate Professor (Visual Arts), 1970
B.D.; M.A., Ph.D., University of Indiana, 1966

NICOLOSI, GREGORY R. ... Assistant Professor/Assistant Dean (Student Affairs) (Psychology), 1972
B.S.; Ph.D., Ohio State University, 1971

NIENHUIS, HARRY A. ... Associate Professor (Electrical Engineering), 1967
B.S., M.S., University of St. Louis, 1964

NIXON, WILLIAM J. JR. ... Visiting Assistant Professor (Chemistry), 1974
B.S.; Ph.D., University of Georgia, 1972

NOER, RUDOLPH J. ... Professor Emeritus (Surgery), 1970
B.A.; M.D., University of Pennsylvania, 1927

NOLAN, MICHAEL F. .... Assistant Professor (Anatomy), 1975
B.S.; Ph.D., Medical College of Wisconsin, 1975

NOONAN, JOHN D. ... Assistant Professor (Foreign Languages), 1975
B.A.; M.A., Ph.D., Columbia University, 1973

NORD, HEINZ J. ... Assistant Professor (Internal Medicine), 1973
M.D., University of Frankfurt and Freiburg Medical Schools, 1964

NORTHCUTT, TRAVIS J. JR. ... Dean-Professor (Social and Behavioral Sciences), Acting Director (Human Resources Institute), 1972
B.S., M.S., Ph.D.; M.P.H., University of North Carolina, 1959

NORTON, BRYAN G. ... Assistant Professor (Philosophy), 1975
B.A., Sarasota Campus
A.B., Ph.D., University of Michigan, 1970

OBER, RICHARD L. ... Professor (Education), 1969
B.S.; M.A.T.; Ph.D., Ohio State University, 1966

OBERHOFER, SIGNE W. ... Assistant University Librarian (Libraries), 1974 St. Petersburg Campus

OCHSHORN, JUDITH ... Assistant Professor (Interdisciplinary Social Sciences), 1972
B.A.; M.A., Rutgers University, 1967

OCHSHORN, JUDITH ... Assistant Professor (Interdisciplinary Social Sciences), 1969
B.A.; M.A., New York University, 1956

OCHSHORN, MYRON G. ... Associate Professor (English), 1963
B.A.; M.A., Ph.D., University of New Mexico, 1963

ODONNELL, MAURICE E. ... Associate Professor (Political Science), 1966
B.S.; M.S., Ph.D., University of Wisconsin, 1954
OESCHEZ, JACK W. Instructor (Marketing), 1968  
B.S.; M.A., University of South Florida, 1968

OUGBULAM, Festus U. Associate Professor-Program Director (Afro-American Studies), 1972

O'HARA, ROBERT C. Professor (Linguistics), 1961

O'MALLEY, BRENDA C. Assistant Professor (Medicine), 1976

O'MALLEY, BRENDA C. Assistant Professor (Medicine), 1976

B.A.: M.D., Jefferson Medical College, 1969

Olson, Norman L. Professor (Chemistry), 1969

B.S.; M.S., Ph.D., University of Michigan, 1940

Olurin, Larry W. Professor (SMF-Engineering), 1967

O.A.: B.S.; M.S.; Ph.D., Georgia Institute of Technology, 1968

Olsen, Eugene D. Professor (Biochemistry), 1964

B.S., Ph.D., University of Wisconsin, 1960

Olsen, Ray A. Professor (Medicine), 1976

B.S., M.D., George Washington University School of Medicine, 1956

O'SULLIVAN, PETER B. Associate Professor/Assistant Dean (Theatre), 1963

B.A., M.A., University of North Carolina, 1997

OtT, RUTH A. Visiting Counselor/Adviser (Continuing Education), 1975, Sarasota

B.A. University of South Florida, 1975

Owen, Terence C. Professor-Chairperson (Chemistry), 1964

B.S., Ph.D., University of Manchester, England, 1964

Owen, William D. Professor (Music Arts), 1964

O.R., Mark T. Professor-Chairperson (Interdisciplinary Social Sciences), 1966

P.A.: Ph.D., University of North Carolina, 1954

O'Sullivan, Peter B. Associate Professor/Assistant Dean (Theatre), 1963

B.A., M.A., University of North Carolina, 1957

Palm, John W. Instructor (Interdisciplinary Social Sciences), 1970


Palm, James N. Lecturer (English), 1966

B.A.; M.A., University of California, 1958

Palmer, Robert E., Sr. Associate Professor (Education), 1970

B.S., M.S., Ph.D., Florida State University, 1969

Panther, Edward E. Associate Professor (Education), 1969

B.S., M.S., Ed.D., State University of New York at Buffalo, 1958

Pappas, George Professor-Chairperson (Visual Arts), 1966

B.S., M.A., Ed.D., Pennsylvania State University, 1957

Paradise, Lois J. Associate Professor (Medial Microbiology), 1973

A.B.; M.S., Ph.D., University of Michigan, 1940

Parker, John W., Jr. Professor (English), 1963

B.A.; M.A.; Ed.D., University of Kentucky, 1961, Ed.S.

Parker, Keith A. Assistant Professor (History), 1966

B.A.; M.A.; Ph.D., University of Maryland, 1965

Parrado, Adrian A. Clinical Psychologist-Assistant Professor (Counseling Center, Student Affairs), 1969

B.S.; M.A.; Ed.D., Nova University, 1975

Parrish, James A., Jr. Professor (English), 1960

B.S.; M.A., Ph.D., Florida State University, 1955

Parnley, Gerald D. Assistant Professor (Speech Communication), 1970

B.A.; Ph.D., University of Iowa, 1975

Pascal, Robert R. Associate Professor (Pathology), 1975

B.A., M.D., Columbia College of Physicians and Surgeons, 1962

Passell, Nicholas. Assistant Professor (Mathematics), 1975, Sarasota Campus

B.A.; M.S.; Ph.D., University of Chicago, 1969

Patouillet, Raymond A. Associate Professor (Education), 1976

A.B.; M.A., Ed.D., Columbia University, 1951

Patterson, Gerald E. Associate Professor (Education), 1971

B.S.; M.A., Ph.D., Ohio State University, 1970

Patterson, Michael H. University Planning Consultant (Facilities Planning), 1973

B.A., University of Florida, 1969

Paulson, Darryl G. Instructor (Political Science), 1974, St. Petersburg Campus

B.A.; M.S., Ph.D., Florida State University, 1975

Payne, Charles E. Professor-Director (Engineering Technology), 1965

B.I.E., M.S.E., University of Florida, 1965, P.E.

Pearcy, Walter E., Jr. Instructor (Education), 1970

B.A., M.A., University of South Florida, 1971

Penner, Louis A. Associate Professor (Psychology), 1969

B.S., M.A.; Ph.D., Michigan State University, 1969

Peppard, Victor E. Assistant Professor (Foreign Languages), 1975

B.S., M.A.; Ph.D., University of Michigan, 1974

Perez, Louis A., Jr. Associate Professor (History), 1970

B.A.; M.A.; Ph.D., University of New Mexico, 1970

Perry, L. Douglas Assistant Professor (Ophthalmology), 1976

B.S., M.S., M.D., University of Louisville, 1967

Peters, David W. Area Administrator (Housing and Food Services, Student Affairs), 1973

B.A. Miami University, Ohio, 1973

Peterson, Donavan D. Associate Professor (Education), 1968

B.S.; M.A.; Ph.D., University of Pittsburgh, 1970

PeVnick, Stephen H. Assistant Professor (Visual Arts), 1972

B.A.; M.F.A., Washington University, 1972

Pfister, Fred C. Associate Professor and Chairperson (Education), 1976

B.S.; M.Ed.; A.M.L.S., Ph.D., University of Michigan, 1970

Pfost, H. Philip Associate Professor (Education), 1967


Phelps, Christopher P. Assistant Professor (Anatomy), 1976

A.B.; Ph.D., Rutgers University, 1973

Phillippy, Steven W. Associate in Education, 1974

B.A.; M.B.A., University of South Florida, 1974

Phillips, Earnest R. Associate Professor (Education), 1971

B.S.; M.A.; Ph.D., Purdue University, 1971

Phillips, Steve Jr. Associate Professor (Industrial Systems), 1974

B.S.M.E.; M.B.A.; M.S.; Ph.D., University of Illinois, 1974

Pickering, Michael J. Associate Professor (Internal Medicine), 1975

B.S., M.D., University of Florida, 1961

Pierce, Carmel J. Counselor/Advisor (Education), 1970

B.A., Ph.D., University of Oregon, 1976
Rigos, Platon N. Assistant Professor (Political Science), 1976
B.A.; M.A.; Ph.D., Michigan State University, 1972

Rimbey, Donald H. Professor (Energy Conversion Engineering), 1966
B.S., M.S., Ph.D., University of Illinois, 1967, P.E.

Rinkel, Murice O. Instructor-Assistant Director (Marine Science), 1973, St. Petersburg Campus
B.S., Florida State University, 1953

Ritterman, Stuart I. Professor (Communicology), 1969
B.A.; Ph.D., Case Western Reserve University, 1968, C.C.C.

Roberts, Loren G. Coordinator (Education), 1968
B.S., B.S.; Edward S. Emuui State Teachers College, 1963

Roberts, Robin E. Athletic Coach (Physical Education, Student Affairs), 1976
B.S., Michigan State University, 1948

Robertson, Henry M. Professor-Program Director (American Studies), 1961
B.A.; M.A.; Ph.D., University of Minnesota, 1966

Robertson, Phyllis M. Counselor/Adviser (Education), 1968 (Part time)
B.A., University of Minnesota, 1941

Robinson, Chase Associate Professor (Dance), 1971
B.S., Florida State University, 1959

Robinson, Gerald G. Associate Professor (Biology), 1960
B.S., Ph.D., University of Minnesota, 1960

Robinson, Jack H. Professor (Education), 1963,
St. Petersburg Campus
B.S.; M.A.; Ed.D., Harvard University, 1960

Rockwell, Elizabeth K. Associate Professor (Psychiatry), 1976 (Part time)
A.B., M.D., University of Michigan, 1939

Rogers, Donald W. Associate Professor (SMF-Engineering), 1973
B.A.; M.S., Ph.D., University of North Carolina, 1972, P.E.

Rogers, Joanne L. Athletic Coach (Physical Education, Student Affairs), 1975
B.A.; M.A., University of South Florida, 1975

Rogers, Larry G. Instructor-Assistant Director (Continuing Education), 1966
B.S.; M.A., University of South Florida, 1970

Root, Allen W. Professor-Associate Chairperson (Pediatrics), 1973
A.B.; M.D., Harvard Medical School, 1958

Rose, Dale A. J. Assistant Professor (Theatre), 1969
B.A.; M.A., Michigan State University, 1968

Rose, Donald C. Professor (Mathematics), 1960
A.B.; M.A., Ph.D., University of Kentucky, 1954

Rose, Natalie E. Assistant Professor (Sociology), Coordinator (Off-Campus Study Programs, New College), 1975, Sarasota Campus
B.A.; M.A., Ph.D., Indiana University, 1971

Rosenthal, Norman S. Assistant Professor (Radiology), 1975 (Part time)
B.A.; M.D., New York Medical College, 1967

Ross, Bernard E. Professor (SMF-Engineering), 1965
B.S.M.E., M.S.A.E.; M.S.E.M., Ph.D., University of Florida, 1964, P.E.

Ross, William T. Associate Professor (English), 1970
B.A.; M.A.; Ph.D., University of Virginia, 1970

Rothwell, Stuart C. Professor (Geography), 1965
B.A., M.A., Ph.D., Syracuse University, 1964

Rubin, Steven J. Associate Professor (English), 1969
B.A.; M.A., Ph.D., University of Michigan, 1969

Rundus, Dewey J. Assistant Professor (Psychology), 1972
B.S.; Ph.D., Stanford University, 1970

Rutenberg, Daniel Professor-Chairperson (Humanities), 1964
A.B.; M.A.; Ph.D., University of Florida, 1967

Ryan, James M. Instructor (Music Arts), 1973
B.S., Yale College, 1973

Saba, Hussain I. Assistant Professor (Internal Medicine), 1975 (Part time)
M.D.; Ph.D., University of North Carolina School of Medicine, 1970

Sadowski, Ronald W. Assistant Professor (Surgery), 1976 (Part time)
B.S.; M.D., Indiana University School of Medicine, 1968

Saenz, Armando Associate Professor (Psychiatry), 1975
B.A.; M.D., University of Texas, Western Medical School, 1963

Saff, Donald J. Dean-Professor (Fine Arts), 1965
B.A.; M.A.; M.F.A.; Ed.D., Columbia University, 1964

Sass, Edward B. Professor (Mathematics), 1969
B.S.; Ph.D., University of Maryland, 1968

Salter, George Assistant Professor (Anatomy), 1972
B.S.; M.S., Ph.D., University of Alabama, 1970

Sanders, Catherine M. Coordinator (Arts and Letters, Academic Advising), 1970
B.A., M.A., University of South Florida, 1970

Sanders, Thomas E. Associate Professor (English), 1968
B.A., M.A., University of Denver, 1951

Sanderson, Arthur M. Professor (Mass Communications), 1965
B.A.; M.A.; Ph.D., University of Iowa, 1963

Sandler, Jack Professor (Psychology), 1969
B.A.; M.S.; Ph.D., Florida State University, 1969

Santos, Stuart L. Assistant in Research (Biology), 1973
A.B.; M.A., University of South Florida, 1972

Sasser, Emery L. Professor-Chairperson (Mass Communications), 1973
A.B.; M.A.; Ph.D., University of Illinois, 1967

Satterwhite, James P. University Physician (Student Health Service, Student Affairs), 1976
M.D., Bowman Gray School of Medicine, 1946

Saxon, Sue V. Professor (Aging Studies Program), 1963
B.S., M.S., Ph.D., Florida State University, 1963

Schaleman, Harry J., Jr. Assistant Professor (Geography), 1969 St. Petersburg Campus
B.S.; M.A., University of Cincinnati, 1963

Schatz, David R. Assistant Professor (Russian Language and Literature), 1975, Sarasota Campus
B.A.; M.A., Harvard University, 1969

Scheneck, David P. Assistant Professor (Foreign Languages), 1974
B.A.; M.A.; Ph.D., Pennsylvania State University, 1971

Schepel, Jane W. Assistant Professor (Communicology), 1971
B.S.; B.A.; M.S.; M.A.; Ed.D., Nova University, 1975

Schepel, William H. Associate Vice President (Academic Affairs), Professor (English), 1964
B.A.; M.A.; Ph.D., Syracuse University, 1964

Schimmel, Steven D. Assistant Professor (Biochemistry), 1974
B.A.; Ph.D., Albert Einstein College of Medicine, 1969

Schlutter, Lutz H. Assistant Professor (Surgery), 1976
B.S.; M.D., Yale Medical School, 1969

Schmitt, Charles J. Events Coordinator (Florida Center for the Arts), Affiliate Lecturer (Theatre), 1976
B.A.; M.A., University of Wisconsin, 1956

Schneider, Raymond J. Associate Professor (Speech Communication), 1968
A.B.; Ph.L.; M.A.; S.T.L.; Ph.D., University of Michigan, 1968

Schneller, Stewart W. Associate Professor (Chemistry), 1971
B.S., M.S.; Ph.D., Indiana University, 1968

Schmitzle, Harold N. Professor-Chairperson (Anatomy), 1973
A.B.; M.A., Ph.D., St. Louis University, 1954

Schreiner, Gregory L. Lecturer (Dance), 1976 (Part time)
B.M.; M.A., Western Illinois University, 1973
SCHRODER, HAROLD M. Professor-Chairperson (Management), 1973
B.A.; M.A.; Ph.D., Ohio State University, 1954

SCHWARTZ, CAROLE J. Instructor (Education), 1970
B.A.; M.S., University of Wisconsin, 1969

SCHWARTZ, JULIA L. University Librarian (Libraries), 1962
B.S.; M.L.S., Case Western Reserve University, 1955

SCOTT, JOHN O. Budget Analyst (Academic Affairs), 1974
B.A., University of South Florida, 1974

SCOTT, LAWRENCE E. Assistant to Vice President (Student Affairs), 1976
B.S.; M.A., Ed.D., Western Michigan University, 1976

SCOTT, LINUS A. Professor-Chairperson (Energy Conversion and Mechanical Design Engineering), 1964
B.S.M.E., M.S.E.; Ph.D., Case Institute of Technology, 1960, P.E.

SCOTT, RICHARD A. Assistant Professor (Education), 1972
B.S., M.Ed., Ed.D., Auburn University, 1976

SCOTT, RICHARD M. Area Administrator (Housing and Food Services, Student Affairs), 1974, Sarasota Campus
B.A.; M.S., Western Illinois University, 1973

SCRUGGS, CHARLES E. Associate Professor (Foreign Languages), 1972
B.A.; M.A., Ph.D., University of Kentucky, 1968

SEARLS, EVELYN F. Visiting Assistant Professor (Education), 1974

SÉGEO, PIERRE S. Visiting Assistant Professor (Geography), 1975
B.A.; M.A.; Ph.D., University of Florida, 1975

SELAGSHORN, HARRETT C. Academic Administrator (University Studies, Student Affairs), 1960
B.S.; M.A., Ph.D., University of South Florida, 1976

SELEMOBO, JOHN A. Business Manager (Ambulatory Care Center), 1976
B.S., University of Tampa, 1971

SELMAN, JAMES Professor (Education), 1971
B.S., M.S., Ed.D., Florida State University, 1967

SEMINARIO, LEE ANNE Assistant Professor (Foreign Languages), 1972
A.B.; M.A.; Ph.D., Florida State University, 1974

SEPANI, MARY A. Assistant Director (Libraries), 1969
B.S.; M.A., Rosary College, 1965

SARGENT, JERRY E. Associate Professor (Electrical Engineering), 1970
B.S.E.E., M.S.E.E., Ph.D., University of Cincinnati, 1970

SERRE, HENRIK Assistant Professor (Anthropology), 1975
Sarasota Campus
B.A.; M.A.; Ph.D., Northwestern University, 1975

SEXTON, IRENE M. Associate Professor (Education), 1969
B.S.E.; M.Ed.; M.Adm.; Ed.S.; Ph.D.; Ph.D., Heed University, 1975

SHAMBLIN, REBECCA S. Instructor (Education), 1976
B.A.; M.A., University of South Florida, 1976

SHANNON, ROBERT F. Associate Professor (Economics), 1966
B.S.; M.B.A.; Ph.D., University of Illinois, 1966

SHANNON, ROGER L. Professor (Education), 1960
A.B.; B.S.; M.A.; Ed.D., Florida State University, 1960

SHANNON, ROGER Assistant Professor (Physiology), 1974
B.A.; Ph.D., University of Kentucky, 1970

SHARPE, JOHN R. Assistant Professor (Surgery), 1973
Part time
B.S.; B.S., M.D., Medical School of Virginia, 1967

SHAW, KAILIE R. Assistant Professor (Psychiatry), 1974
Part time

J.M.B.; M.D., University of Cape Town Medical School, 1966

SHEPHERD, DAVID C. Professor (Communicology), 1972
B.A.; M.A.; Ph.D., Syracuse University, 1962

SHERMAN, JAMES J. Professor (Management), 1967
B.S.; J.D.; Ph.D., State University of New York at Buffalo, 1966

SHERMAN, ROGER T. Professor-Chairperson (Surgery), 1972
A.B.; M.D., University of Cincinnati, 1948

SHILoh, AILON Professor (Anthropology), 1973
B.A.; M.A.; Ph.D., Dropsie University, 1959

SHIPP, PAMELA S. Assistant University Librarian (Libraries), 1972
B.A.; M.L., Emory University, 1972

SHRES, DANA L., JR. Professor (Internal Medicine), 1973
B.S., M.D., University of Florida, 1961

SHIVER, ROBERT H. Assistant Director (Intercollegiate Athletics, Golf Course), 1969
B.S.; University of Florida, 1961

SHOWS, E. WARREN Associate Professor (Economics), 1964
B.B.A.; M.B.A., Ph.D., Georgia State University, 1968

SIAS, RICHARD J. Assistant Professor (Dance), 1974

SIDOR, JOHN M., JR. Associate Professor (Political Science), 1969
A.B.; M.P.A., Ph.D., University of Pittsburgh, 1969

SIDOWSKI, JOSEPH B. Professor (Psychology), 1969
B.A.; M.S., Ph.D., University of Wisconsin, 1956

SILBERT, EDWARD M. Associate Professor (History), 1965
B.S.; M.A.; Ph.D., University of Florida, 1966

SILBIGER, MARTIN L. Associate Professor (Radiology), 1973
Part time
A.B.; M.D., Western Reserve University, 1962

SILVER, BRUCE S. Associate Professor (Philosophy), 1971
B.A.; M.A., Ph.D., University of Colorado, 1971

SILVER, JAMES W. Professor (History), 1969
A.B.; M.A.; Ph.D., Vanderbilt University, 1935

SILVER, WARREN S. Professor (Biology), 1970
B.S., M.S.; Ph.D., Johns Hopkins University, 1953

SILVERMAN, ILENE B. Assistant University Librarian (Libraries), 1974

SILVERMAN, IRA J. Associate Professor (Criminal Justice Program), 1972
B.A.; M.A., Ph.D., Ohio State University, 1970

SILVERMAN, MITCHELL Associate Professor (Criminal Justice Program), 1968
B.A.; M.S.; Ph.D., Ohio State University, 1968

SILVERMAN, STUART H. Associate Professor (Education), 1970
B.B.A.; M.S., Ph.D., Yeshiva University, 1971

SILVERSTEIN, BARRY M. Project Coordinator (Education), 1974
A.B.; M.A., University of South Florida, 1974

SIMMONS, A. KEITH Director (Procurement), 1969
B.A.; University of South Florida, 1968

SIMON, JOSEPH L. Associate Professor (Biolog), 1963
B.S.; M.S.; Ph.D., University of New Hampshire, 1963

SINGER, PHILIP A. Assistant Professor (Internal Medicine), 1974 (Part time)
A.B.; M.D., University of Rochester School of Medicine & Dentistry, 1969

SINGH, SURENRA Associate Professor (Education), 1967
B.A.; M.A.S.; Ed.D., University of California, Los Angeles, 1967

SISCO, JOHN I. Professor (Education and Speech Communication), 1968
B.S.; M.A.; Ph.D., University of Minnesota, 1966

SISK, DOROTHY D. Professor (Education), 1966
B.S.; M.A.; Ed.D., University of California, Los Angeles, 1966

SISTRUNK, FRANCIS Professor (Psychology), 1965
B.A.; M.S., Ph.D., University of Miami, Florida, 1963

SKELTON, WILLIAM H. Associate Professor (SMF Engineering), 1971
B.S.; M.S.; Ph.D., Iowa State University, 1971
SWEENEY, VIRGINIA ................ Assistant Director-Instructor (Sponsored Research), 1965

SWEHR, STEWART L. ................. Professor-Chairperson (Biology), 1970

B.A.; M.S., Ph.D., Lehigh University, 1964

WINNEY, DOROTHY J. ................. Instructor (Education), 1974

B.S.; M.A., University of South Florida, 1974

SYLVIA, DELMER R. ..................... Head Athletic Coach

(Physical Education, Student Affairs), 1976

A.B.; University of North Carolina, 1953

SZABO, STEPHEN J. ................. Student Health Service, Student Affairs), 1975 (Part time)

B.A.; M.D., Ohio State University, 1967

SZENTIVANYI, ANDOR ................. Professor-Chairperson (Pharmacology), 1970

M.D., University Medical School, Debrecen, Hungary, 1950

TAFT, WILLIAM H. ..................... Director—Professor (Sponsored Research and Graduate Studies), Affiliate Professor (Geology), 1963

B.S.; M.S.Ed., Syracuse University, 1963

TANNER, PATRICIA W. ............... Associate Professor (Education), 1969

B.A.; M.Ed.; Ph.D., Ohio State University, 1969

TATUM, JAMES C. ................. Associate Professor (Foreign Languages), 1963

B.A.; M.A., Tulane University, 1968

TAYLOR, JUANITA L. ..................... Assistant Professor (Interdisciplinary Social Sciences), 1968

B.A.; M.A.; Ed.D., Nova University, 1975

TAYLOR, MARGARET C ..................... Assistant Professor (Nursing), 1973

R.N.; B.S.N.; M.N.Ed., University of Pittsburgh, 1966

TAYLOR, MERRILY E. ................. University Librarian, (Libraries), 1968

B.A.; M.S.L.S.; M.A., University of South Florida, 1973

TAYLOR, RICHARD N. ................. Assistant Professor (Philosophy), 1969

B.A.; B.D.; M.Phil., Yale University, 1969

TAYLOR, SPAFFORD C ..................... Associate Professor (Physical Education, Student Affairs), 1963

B.S.; M.A., George Peabody College, 1960

TEDESCO, THOMAS A. ................. Assistant Professor (Pediatrics), 1974

B.S.; Ph.D., University of Pennsylvania, 1969

THARPE, WILFRED S ..................... Special Assistant for Equal Opportunity (Administrative Affairs), 1975

B.A.; Bethune-Cookman College, 1968

THEILEKER, ERNEST A ..................... Associate Professor (Mathematics), 1970

THOMAS, DELBERT C ..................... Systems Coordinator

(Computer Research Center). 1968

B.S.; M.B.A., Rollins College, 1967

THOMES, SHIRLEY M. ................. Institutional Research Coordinator (Institutional Research), 1969

B.S.Ed., State University of New York, Brockport, 1951

THOMPSON, SHERMAN ................. Assistant Professor (Education), 1966

B.A.; M.A.; Ph.D., University of South Florida, 1976

TILGHMAN, LEVIN H., III .............. Assistant University Librarian (Libraries), 1974

TILGHMAN, LEVIN H., III .............. Assistant University Librarian (Libraries), 1974

B.A.; M.L.S., Atlanta University, 1974

THOMAS, JAMES S. ..................... Associate University Librarian (Medical Center Library), 1972

B.A.; M.L.S., Emory University, 1970

TIPPS, GEORGE K. ..................... Assistant Professor (History), 1969

B.A.; M.A.; Ph.D., University of Colorado, 1971

TIPTON, HENRY C. ..................... Assistant Professor (Biology), 1965

B.S., M.S., Ph.D., Mississippi State University, 1965

TOCCO, THOMAS S ..................... Associate Professor (Education), 1970 (Part time)

Tomai no, Joseph M. Director, Alumni Affairs (Alumni Services), 1967

B.A.; M.A.; University of South Florida, 1971

Toovman, Paul C. Associate Professor (Education), 1970

A.B.; M.A.; Florida Southern College, 1947

Torkzynski, Elise. Assistant Professor (Ophthalmology), 1975

B.S.; M.D.; Marquette School of Medicine, 1969

Torre, Patricia Coordinator (Southeast Center for Cooperative Education), 1976

B.A.; University of South Florida, 1974

Towery, Gene M. Assistant Professor (Education), 1970

St. Petersburg College

B.S.; M.S.; Florida State University, 1971

Towery, Henry H. ... Assistant Professor (Marketing), 1970

B.S.; M.B.; D.B.A.; Florida State University, 1969

Trask, Roger R. Professor-Chairperson (History), 1973

A.B.; M.A.; Ph.D.; Pennsylvania State University, 1959

Tremmel, William C. Professor-Chairperson (Religious Studies), 1969

A.B.; Th.M.; Th.D.; Iliff School of Theology, 1950

Trummel, William ... Assistant Professor (Physical Education, Student Affairs) 1970

B.S.; M.S.; University of Colorado, 1961

Trotman, Andria M. Associate Professor (Education), 1971

B.S.; M.A.; Ed.D.; University of Florida, 1971

Trudeau, Walter L. Associate Professor (Internal Medicine), 1972 (Part time)


Truitt, Willis H. Professor (Philosophy), 1968

A.B.; A.M.; Ph.D.; Boston University, 1968

Tsperes, Nicholas A. Associate Professor (Mathematics), 1968

B.A.; M.A.; Ph.D.; Wayne State University, 1968

Tsokos, Chris P. Professor (Mathematics), 1972

B.S., M.S.; Ph.D.; University of Connecticut, 1965

Tsokos, Janice O. Assistant Professor (Chemistry), 1972

B.S., Ph.D.; University of Rhode Island, 1969

Turbeville, Joseph E., Jr. Assistant Research Scholar Scientist (Physics), 1964 (Part time)

B.A.; University of South Florida, 1963

Turner, John C. Assistant Professor (Mathematics), 1976

B.A.; M.A.; Ph.D.; Princeton University, 1975

Turner, Stephen P. Assistant Professor (Sociology), 1975

A.B.; A.M.; A.M.; Ph.D.; University of Missouri, 1975

Tuttle, Lester W., Jr. Dean-Professor-Administrator (Regional Campus Affairs), 1970


Twigg, John F. ... Associate Professor (Systems Engineering), 1964

B.S.; M.A.; Boston University, 1949

Tyner, John L., Jr. University Physician (Student Health Service, Student Affairs), 1972 (Part time)

B.S.; M.D.; Medical School of South Carolina, 1965

Urbany, William ... Associate Professor (Education), 1968

B.S.; M.A.; University of Illinois, 1959

Upchurch, Sam B. ... Associate Professor (Geology), 1974

A.B.; M.S.; Ph.D., Northwestern University, 1970

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B.S.; M.S.; Ph.D., New York University, 1932
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