sition for tape medium with computer controlled analog synthesizers; direct digital synthesis; digital systems design and construction.

MUC 3601, 3602 CONTEMPORARY TECHNIQUES OF COMPOSITION (3,3)

MUC 4203 COMPOSITION (3)
PR: Necessary competency at MUC 3203 level determined by faculty jury. Private instruction in original composition. Required of composition majors. Must be repeated for credit for a minimum of 6 hours for majors.

MUC 4405, 4406 ELECTRONIC MUSIC—REAL-TIME PERFORMANCE (3,3)
PR: MUC 3402 and MUC 3442 or equivalent. Composition for analog/digital equipment, performance applications; sound synthesis, interfacing electronics with conventional instruments.

MUC 4501 SEMINAR IN NEW MUSICAL SYSTEMS (2)
PR: CI. Experimental sound sources and ensemble groupings; creating of new instruments; unfamiliar sonic materials and unique social contexts for music. May be repeated for credit.

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

MUG 4201 CHORAL CONDUCTING (2)
PR: MUG 3101 or its equivalent and CI. Practical application of conducting techniques to choral works, score study, performance practices, and rehearsal techniques. Class serves as performing group.

MUG 4301 INSTRUMENTAL CONDUCTING (2)
PR: MUG 3101 & CI. A study of those techniques of conducting unique to instrumental music ensembles: baton technique, score reading, terminology, rehearsal management.

MUN 3019 HISTORY OF POPULAR MUSIC
Popular music in the U.S. from 1820 to present. Units on the big band era, country and western, jazz, Black music, and the rock scene beginning in 1955. May be used for University General Distribution Requirements and may be used to satisfy part of the 6 hours in-College Requirement for Fine Arts majors in Art, Dance, Theatre and as a music elective.

MUN 3211, 3212 MUSIC HISTORY -6A (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.

MUN 3016 SURVEY OF JAZZ (2)
Open only to non-music majors. A study of jazz, its heritage, personalities and music. Emphasis is placed on the development of listening techniques.

MUL 2111, 2112 INTRODUCTION TO MUSIC LITERATURE (2,2)
PR: MUT 1112 or CI. A survey of representative music exemplars of the past and present with emphasis on the study of styles and form. Required for music majors.

MUL 3001 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. (This course is also available on WUSF/TV Channel 16 by the O. U. Program. (S/U only.)

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

MAJOR PERFORMING ENSEMBLES (below)
PR: CI. Open to all university students with the necessary proficiency in their performance media; study and performance of music for large combinations of voices, string, woodwind, brass, or percussion instruments. May be repeated for credit.

MUN 3120 UNIVERSITY BAND (1)
MUN 3140 WIND ENSamble (1)
MUN 3210 UNIVERSITY ORCHESTRA (1)
MUN 3310 UNIVERSITY SINGERS (1)
MUN 3380 UNIVERSITY-COMMUNITY CHORUS (1)
MUN 3451 PIANO ENSEMBLE (1)
MUN 3710 JAZZ ENSEMBLE (1)

CHAMBER MUSIC ENSEMBLES (below)
PR: CI. Open to all university 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.

MUN 3340 CHAMBER SINGERS (1)
MUN 3411 STRING QUARTET (1)
MUN 3420 SAXOPHONE ENSEMBLE (1)
MUN 3421 FLUTE CHOIR (1)
MUN 3423 CLARINET CHOIR (1)
MUN 3424 WOODWIND QUINTET (1)
MUN 3430 BRASS CHOIR (1)
MUN 3432 HORN QUARTET (1)
MUN 3436 BRASS QUINTET (1)
MUN 3440 PERCUSSION ENSEMBLE (1)
MUN 3441 MARIMBA ENSEMBLE (1)
MUN 3470 COLLEGIUM MUSICUM (1)
MUN 3711 JAZZ CHAMBER ENSEMBLE (1)
MYS 3492 CLASSICAL GUITAR ENSEMBLE (1)
MUS 4900 DIRECTED READING (1-3)
MUS 4905 DIRECTED STUDY (1-4)

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

MUS 4931 SELECTED STUDIO TOPICS IN MUSIC (1-4)
PR: CI. The content of the study will be governed by individual student demand and instructor interest with an emphasis on individual instruction.

MUS 4935 MUSIC SENIOR SEMINAR (2)
PR: CI. To aid majors to understand, appraise and perfect their own art through critical and aesthetic judgments of their colleagues. (S/U only.)

MUS 5901 DIRECTED STUDY (1-4)
PR: CC. Independent studies in the various areas of music; course of study and credits must be assigned prior to registration; may be repeated.

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.

MUS 5924 BAND WORKSHOP (1-2)
MUS 5925 CHAMBER MUSIC WORKSHOP (1-2)
MUS 5926 CHORUS WORKSHOP (1-2)
MUS 5927 ORCHESTRA WORKSHOP (1-2)
MUS 5928 PIANO WORKSHOP (1-2)
MUS 5929 STRING WORKSHOP (1-2)
MUS 1001 RUDIMENTS OF MUSIC (2)
Open to non-music majors; development of skills in hearing and performing music and in basic notation. Will not count as degree credit for music majors.

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

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

MUT 2116, 2117 MUSIC THEORY (3,3)
PR: MUT 1112. Required of music majors, continuation of MUT 1111 and 1112.

MUT 2246, 2247 ADVANCED AURAL THEORY (1,1)
PR: MUT 1243. Course designed to continue training in aural recognition and vocal realization of materials used in music composition. Includes rhythmic, melodic and harmonic dictation, and sight singing. To be taken concurrently with MUT 2116, 2117.

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

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

**MUT 3641 JAZZ THEORY AND IMPROVISATION I** (2)
PR: MUT 1112 and/or Cl. A studio course of study of the improvised solos of the major innovators in jazz. Oriented toward the continuing development of the students own soloing ability. Students are required to enroll in Jazz Chamber Ensemble as a lab. Open to majors and non-majors.

**MUT 3642 JAZZ THEORY AND IMPROVISATION II** (2)
PR: MUT 1112 or Cl. A study of jazz improvisational techniques and related jazz theory.

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

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

**MUT 3642 JAZZ IMPROVISATION II** (1)
PR: MUT 1112 & Cl. A studio course of study designed to advance the student's improvisational techniques; emphasis on individual performance. May be repeated for credit.

**MUT 4311, 4312 ORCHESTRATION** (2,2)
PR: Cl. 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.

**MUT 4411 SIXTEENTH CENTURY PRACTICE** (2)
PR: MUT 2117. A study of the music of the 16th century from a theoretical standpoint; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

**MUT 4421 EIGHTEENTH CENTURY PRACTICE** (2)
PR: MUT 2117. An intensive study of the contrapuntal practice of the 18th century; development of skills in perceiving and writing music in the style of the period through the use of aural and visual analysis.

**MUT 4571 TWENTIETH CENTURY PRACTICE** (2)
PR: MUT 2117. A study of 20th century theoretical concepts; development of skills in perceiving and writing music in contemporary styles through the use of aural and visual analysis.

**MUT 5051 GRADUATE REVIEW OF MUSIC THEORY** (1-4)
A graduate level review of basic theoretical concepts with emphasis on the common practice period. The course serves to satisfy deficiencies in music theory and as such does not count toward the degree.

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

**MVW 1211 APPLIED TRUMPET** (1)
**MVW 1212 APPLIED FRENCH HORN** (1)
**MVW 1213 APPLIED TROMBONE** (1)
**MVW 1214 APPLIED BARITONE** (1)
**MVW 1215 APPLIED TUBA** (1)
**MVW 1211 APPLIED PERCUSSION** (1)
**MVW 1211 APPLIED VIOLIN** (1)
**MVW 1212 APPLIED VIOLA** (1)
**MVW 1213 APPLIED VIOLONCELLO** (1)
**MVW 1214 APPLIED DOUBLE BASS** (1)
**MVW 1215 APPLIED HARP** (1)
**MVW 1211 APPLIED CLASSICAL GUITAR** (1)
**MVW 1211 APPLIED VOICE** (1)
**MVW 1211 APPLIED FLUTE** (1)
**MVW 1212 APPLIED OBOE** (1)
**MVW 1213 APPLIED CLARINET** (1)
**MVW 1214 APPLIED BASSOON** (1)
**MVW 1215 APPLIED SAXOPHONE** (1)

**CLASS PIANO COURSES (below)**
PR: Cl. Class in elementary piano and music fundamentals designed for students with limited keyboard experience. Primary emphasis is placed on sight-reading, accompanying, transposition, harmonization, basic technique, and appropriate literature.

**MVK 1111 MUSIC MAJORS, LEVEL I** (2)
**MVK 1112 MUSIC MAJORS, LEVEL II** (2)
**MVK 2111 MUSIC MAJORS, LEVEL III** (2)
**MVK 2121 MUSIC MAJORS, LEVEL IV** (2)
**MVK 3111 MUSIC MAJORS, LEVEL V** (2)
**MVK 1811 NON-MUSIC MAJORS, LEVEL I** (2)
**MVK 1821 NON-MUSIC MAJORS, LEVEL II** (2)
**MVK 2811 NON-MUSIC MAJORS, LEVEL III** (2)
**MVK 2821 NON-MUSIC MAJORS, LEVEL IV** (2)

**APPLIED MUSIC COURSES (below)**
PR: Cl. Required of all applied music majors; open to a limited number of non-music majors by audition only. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. May be repeated for credit.

**MVB 1411 APPLIED TRUMPET** (3)
**MVB 1412 APPLIED FRENCH HORN** (3)
**MVB 1413 APPLIED TROMBONE** (3)
**MVB 1414 APPLIED BARITONE** (3)
**MVB 1415 APPLIED TUBA** (3)
**MVB 1413 APPLIED ORGAN** (3)
**MVP 1411 APPLIED PERCUSSION** (3)
**MVS 1411 APPLIED VIOLIN** (3)
**MVS 1412 APPLIED VIOLA** (3)
**MVS 1413 APPLIED VIOLONCELLO** (3)
**MVS 1414 APPLIED DOUBLE BASS** (3)
**MVS 1415 APPLIED HARP** (3)
**MVS 1416 APPLIED CLASSICAL GUITAR** (3)
**MVV 1411 APPLIED VIOLIN** (3)
**MVV 1411 APPLIED VIOLA** (3)
**MVV 1412 APPLIED OBOE** (3)
**MVV 1413 APPLIED CLARINET** (3)
**MVV 1414 APPLIED BASSOON** (3)
**MVV 1415 APPLIED SAXOPHONE** (3)

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

**MVB 2421 APPLIED TRUMPET** (3)
**MVB 2422 APPLIED FRENCH HORN** (3)
**MVB 2423 APPLIED TROMBONE** (3)
**MVB 2424 APPLIED BARITONE** (3)
**MVB 2425 APPLIED TUBA** (3)
**MVK 2421 APPLIED VIOLIN** (3)
**MVK 2423 APPLIED VIOLA** (3)
**MVS 2423 APPLIED VIOLONCELLO** (3)
**MVS 2424 APPLIED DOUBLE BASS** (3)
**MVS 2425 APPLIED HARP** (3)
**MVS 2426 APPLIED CLASSICAL GUITAR** (3)
**MVV 2421 APPLIED VIOLIN** (3)
**MVV 2422 APPLIED VIOLA** (3)
**MVV 2423 APPLIED CLARINET** (3)
**MVV 2424 APPLIED BASSOON** (3)
**MVV 2425 APPLIED SAXOPHONE** (3)

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

**MVB 3431 APPLIED TRUMPET** (3)
**MVB 3432 APPLIED FRENCH HORN** (3)
**MVB 3433 APPLIED TROMBONE** (3)
**MVB 3434 APPLIED BARITONE** (3)
**MVB 3435 APPLIED TUBA** (3)
**MVK 3431 APPLIED VIOLIN** (3)
**MVK 3433 APPLIED ORGAN** (3)
MUE 3431 APPLIED PERCUSSION (3)
MVS 3431 APPLIED VIOLIN (3)
MVS 3432 APPLIED VIOLA (3)
MVS 3433 APPLIED VIOLONCELLO (3)
MVS 3434 APPLIED DOUBLE BASS (3)
MVS 3435 APPLIED HARP (3)
MVS 3436 APPLIED CLASSICAL GUITAR (3)
MVV 3431 APPLIED VOICE (3)
MVW 3431 APPLIED FLUTE (3)
MVW 3432 APPLIED OBOE (3)
MVW 3433 APPLIED CLARINET (3)
MVW 3434 APPLIED BASSOON (3)
MVW 3435 APPLIED SAXOPHONE (3)

APPLIED MUSIC COURSES (below)
PR: Necessary competency at junior level determined by faculty jury examination. Required of all applied music majors. Private and class instruction in string, woodwind, brass and percussion instruments, voice and piano. Must be repeated for credit for minimum of 6 hours for majors.

MVB 4441 APPLIED TRUMPET (3)
MVB 4442 APPLIED FRENCH HORN (3)
MVB 4443 APPLIED TROMBONE (3)
MVB 4444 APPLIED BARITONE (3)
MVB 4445 APPLIED TUBA (3)
MVK 4441 APPLIED PIANO (3)
MVK 4443 APPLIED ORGAN (3)
MVP 4441 APPLIED PERCUSSION (3)
MVS 4441 APPLIED VIOLIN (3)
MVS 4442 APPLIED VIOLA (3)
MVS 4443 APPLIED VIOLONCELLO (3)
MVS 4444 APPLIED DOUBLE BASS (3)
MVS 4445 APPLIED HARP (3)
MVP 4446 APPLIED CLASSICAL GUITAR (3)
MVW 4441 APPLIED VOICE (3)
MVW 4441 APPLIED FLUTE (3)
MVW 4442 APPLIED OBOE (3)
MVW 4443 APPLIED CLARINET (3)
MVW 4444 APPLIED BASSOON (3)
MVW 4445 APPLIED SAXOPHONE (3)

MUSIC STUDIO PEDAGOGY COURSES (below)
PR: May be elected by undergraduate music majors; emphasis on the business management of the music studio, and the musical responsibilities of the studio teacher, the techniques of private instruction. May be repeated for credit for a maximum of 4 hours for the same section.

MVB 4460 BRASS (2)
MVB 4460 CLASS PIANO (2)
MVB 4461 PIANO (2)
MVS 4460 STRINGS (2)
MVW 4461 VOICE (2)
MVW 4460 WINDS AND PERCUSSION (2)

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.

MVK 5751 PIANO, MASTER CLASS (2)
MYS 5750 STRINGS, MASTER CLASS (2)
MVW 5751 VOICE, MASTER CLASS (2)

MUSIC EDUCATION
Chairperson: V. Jennings; Professors: V.A. Bridges; Assistant Professor: C. Doane, S. Hodge

MUE 2090 THEORETICAL BASES OF MUSIC EDUCATION (1)
The course is designed to investigate music education practices in the schools. It provides the student with experience and information early in his academic career which will enable him to determine his commitment to professional music education.

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

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

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

MUE 4210 MUSIC FOR THE CHILD (3)
PR: Admission to the College of Education. Music fundamentals, the development of music skills and knowledge of music materials and teaching strategies for presenting music to children in the elementary school.

MUE 4352 FOUNDATIONS OF INSTRUMENTAL MUSIC (3)
PR: CI. Junior standing. Introduction to the foundation of instrumental music instruction in the elementary and middle school.

MUE 4330 CLASSROOM MUSIC IN THE SECONDARY SCHOOL (3)
PR: CI. Development and implementation of methods and techniques for teaching music to the student not participating in secondary school music performing groups.

MUE 4331 MUSIC IN THE ELEMENTARY SCHOOL (3)
A study of principles, techniques, materials, and activities as they relate to a comprehensive music curriculum in Grades K-6.

MUE 4331 CHORAL METHODS IN THE SECONDARY SCHOOL (3)

MUE 4332 INSTRUMENTAL MUSIC IN THE SECONDARY SCHOOL (3)

MUE 4480 BAND PAGEANTRY (1)
This course is designed as an elective offering for instrumental music majors who expect to direct band activities in a secondary school. It will provide the student with skills in creating half-time shows, an integral part of the band teacher's responsibilities.

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

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

MUE 4936 SENIOR SEMINAR IN MUSIC (2)

MUE 4940 INTERNSHIP: MUSIC EDUCATION (1-12)
One full semester of internship in a public or private school. Intern takes Senior Seminar in Education concurrently. In special programs where the intern experience is distributed over two or more semesters, students will be registered for credit which accumulates from 9-12 semester hours. (S/U only.)

MUE 4941 INTERNSHIP (1-4)
Part-time internship in an accredited public or private school. To be taken concurrently with departmental requirements and will include beginning of the year experiences when taken in Fall Semester. (S/U only.)

MUE 4942 INTERNSHIP (1-2)
PR: Admission to the College of Education and/or departmental approval. Internship in an accredited public or private school which will include the end of the academic year or program closing. (S/U only.)

THEATRE
Chairperson: N.B. Cole; Professor: N.B. Cole, W.A. Lorenzen, P. Massie, P.B. O'Sullivan; Associate Professors: J. W. Belt, D.M. Calandra, C.
THE 2020 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 open to non-majors and theatre majors should take this course concurrently with their first registration in the group of courses TPA 2200, TPA 2223, TPA 2232, TTP 2110. Required of all theatre majors.

THE 3080C MODERN THEATRE PRACTICE -6A
Initial readings and exercises in theatre; play analysis, performance, and technical theatre for non-theatre majors.

THE 3110 THEATRE HISTORY (4)
A survey of all facets of theatrical performance in selected periods of theatre history from the 5th Century B.C. to the present. Normally ten plays will be read. Required of all theatre majors. Open to non-majors.

THE 3925 PERFORMANCE (1)
The rehearsal, construction, production of major theatrical works. Concurrent registration in this course is expected of all students who are enrolled in courses carrying an ACPI (Advanced Course Production Involvement). Assignments are made contractually at the time of registration. Open to non-majors on a credit or non-credit basis. May be repeated.

THE 4180 THEATRE ORIGINS (4)

THE 4264 HISTORY OF COSTUME (3)
A survey of clothing and dress from Ancient Egypt to the 20th Century with an emphasis on cultural and social influences. (A requirement in the tech-design track/course.) Open to upper level non-majors with CI.

THE 4266 ARCHITECTURE AND DECOR (3)
The survey of architectural and decorative motifs and decor and their stylistic concepts. (A requirement in the tech/design track/scenic.) Open to upper level non-majors with CI.

THE 4320 THE THEATRE OF MYTH AND RITUAL/ NORTHERN EUROPEAN (950-1600) AND ORIENTAL (400-1200) (3)
PR: THE 3110. An investigation into the interrelationship of myth, ritual, and theatre event. Enables the student to analyze these scripts in light of their present producibility and past cultural energy. Open to non-majors with CI.

THE 4330 SHAKESPEARE FOR THE THEATRE (3)
PR: THE 3110. Study of several Shakespeare plays from the histrionic point of view. "No sort of study of a (Shakespeare) play can better the preparation of its performance if this is rightly done." Hartley Granville-Baker. Open to non-majors with CI.

THE 4370 THE 19TH CENTURY THEATRE REVOLUTION (3)
PR: THE 3110. Survey of materials in the Continental, English, and American stage dating from 1870. Deals with the extraordinary playwrights and new theatre movements. Open to non-majors with CI.

THE 4401 O'NEILL AND AFTER (3)
PR: THE 3110. Survey of materials in the American Theatre from the writings of Eugene O'Neill to the present. Open to non-majors with CI.

THE 4442 THE COMEDY OF THE CLASSIC AND NEO-CLASSIC STAGE (3)
PR: THE 3110. A course in the function of the script for the active theatre artist, treating materials from the Ancient Greeks through the Restoration and the theatre of Moliere, giving some attention to later reflections. Open to non-majors with CI.

THE 4480 DRAMA-SPECIAL TOPICS (3)
PR: THE 3110. A course in the function of the script for the active theatre artist treating materials of a particular playwright or grouping of playwrights. Repeatable with consent of advisor and change in topic. Open to non-majors with CI.

THE 4562 SENIOR COLLOQUIUM IN THEATRICAL CREATIVITY (3)
PR: THE 4180. A colloquium in the nature of the synthesized theatre object. Required of all theatre majors. Open to senior non-majors with CI.

THE 4900 DIRECTED READING (1-4)
PR: CI and CC. Readings in a topic of special interest to the student. Selection of topic and materials must be agreed upon and appropriate credit must be assigned prior to registration. A contract with all necessary signatures is required for registration. May be repeated for credit for different topics only.

THE 4905 DIRECTED STUDIES (1-4)
PR: CC. Independent studies in the various areas of Theatre. Course of study and credits must be assigned prior to registration.

THE 4927 ADVANCED PERFORMANCE (1)
PR: THE 3925 or CI. The study, rehearsal and performance of major theatrical works. Admission by audition. May be repeated. Additional credit may be earned with THE 4905 or THE 5909.

THE 4930 SELECTED TOPICS IN THEATRE (1-8)
PR: CI. The content of this course may be repeated for credit for different topics only.

THE 5902 DIRECTED READING (1-4)
PR: CI and CC. Reading in topics of special interest to the student. Contract defining scope of project, materials used, expected results and credit hours assigned must be completed prior to registration. May be repeated for different topics.

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

THE 5931 SELECTED TOPICS IN THEATRE (1-8)
PR: CI. The content of this course may be repeated for credit for different topics only.

TPA 2200 THEATRE CRAFTS: STAGECRAFT (3)
The scenic maintenance and skills basic to theatrical production. An introductory course with lab. Required of all performance majors. Open to non-majors.

TPA 2223 THEATRE CRAFTS: LIGHTING (3)
Required of all tech/design majors. The basic equipment and skills used in lighting and sound for stage productions. This course or TPA 2232 Theatre Crafts: Costume required of all performance majors. Open to non-majors.

TPA 2232 THEATRE CRAFTS COSTUME (3)
Required of all Tech/Design majors. This course or TPA 2223 Theatre Crafts: Lighting required of all Performance majors. By learning basic tools, processes and materials used in the Costume Shop, the student will become familiar in the costuming process. This course also trains students in wardrobe crew practices and in preparing costumes in the USF Costume Shop. Open to non-majors.

TPA 2250 WORKSHOP IN STAGE MAKEUP (1)
Beginning theory and practice in make-up for the stage. Theatre majors given preference. A studio course.

TPA 3086 MEANS OF VISUAL EXPRESSION (3)
PR: Completion of the four required 2000 level courses. The study of presentational techniques for visual design and technology as applied to the development of visual dynamics. Required of all theatre majors. Open to non-majors with TPA 2200 and CI.

TPA 3221 LIGHTING: THEORY AND PRACTICE (3)
PR: TPA 2223. This course covers the principles of color theory and composition as pertains to lighting design. Laboratory experiments in usage of light to create space utilizing shadow, texture and blending. Introduction to stage lighting methods and graphics.

TPA 3601 STAGE MANAGEMENT (2)
PR: TPA 2200, TPA 2223, or TPA 2232. A practical course in the working organizational function of the stage manager in theatre, dance, opera, and other live performance situations.

TPA 3810 INTRODUCTION TO PUPPETRY (2)
PR: Completion of the four required 2000 level courses. Principles and methods of puppetry with a historical survey of major forms and practical problems with laboratory production. Open to non-majors with CI.

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

TPP 4012 PROJECT DESIGN: HONORS (3)
PR: One of TPP 4020, TPP 4040, TPP 4060 and portfolio review. 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 integrating the design for setting, costumes, and lights; under special circumstances credit may be given for actualized production design.

TPA 4020 LIGHT DESIGN (4)
PR: ART 3301C, TPA 3221, TPA 4211 and portfolio review. The aesthetic and practical application of the elements of design in costume for theatre presentation. A requirement in the tech/design track/lighting.

TPA 4040 COSTUME DESIGN (4)
PR: ART 3301C, THE 4266 and TPA 2232 and portfolio review. The aesthetic and practical application of the elements of design in costume for theatre presentation. A requirement in the tech/design track/costume.

TPA 4060 SCENE DESIGN (4)
PR: TPA 4211, THE 4266 and ART 3301C and portfolio review. The aesthetic and practical application of the elements of design in scenery for theatre presentation. A requirement in the tech/design track/scenic.

TPP 4081 SCENE PAINTING (2)
PR: TPA 3086. A practical course in the painting of stage scenery—media and application. Open to non-majors with CI.

TPA 4211 STAGECRAFT AND DRAFTING (3)
PR: TPA 3086. A practical course in drafting for the stage, scenic construction and application. A requirement in the tech/design/scenic and lighting.

TPA 4230 COSTUME CONSTRUCTION (3)
PR: TPA 3086, TPA 2232. A practical course in the drafting of workable patterns for costuming the actor. Materials, skills, and techniques for construction of costumes and costume accessories for stage will be treated. Included topics are millinery, footwear, jewelry, masks, armor, corsetry; both period and modern.

TPA 4240 STAGE PROPERTIES: TECHNIQUES AND MATERIALS STUDIO (2)
PR: TPA 3086. Demonstration and experience with comparatively newer materials used in construction of stage properties. Modeling of prototypes and basic casting techniques. Organization of shop. Open to non-majors.

TPA 4281 PRACTICUM IN TECHNICAL SUPERVISION (2)
PR: One of TPA 4211, or TPA 4230. A study of the technical operation and organization for the theatre technician in costume or in scenery-lighting. Advanced problems in technology and organization.

TPP 4402 THEATRE MANAGEMENT WORKSHOP (2)
PR: completion of the first two years of the theatre program. The study of management relations for the theatre, including all fields of management from box office to publicity.

TPP 2110 VOICE-BODY-IMPROVISATION (3)
Exploring the elements basic to acting skills—a participation course. Required of all theatre majors. Open to non-majors.

TPP 3111 WORKSHOP FOR TEXT ANALYSIS (3)
PR: Completion of the four required 2000 level theatre courses. 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 TPP 2110 and CI.

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

TPP 3122 IMPROVISATION II (3)
PR: TPP 3121; audition. 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. Open to non-majors with PR.

TPP 3235 THEATRE FOR SPECIAL AUDIENCES (3)
PR: Completion of the four required 2000 level courses and/or CI. The preparation and performance of a production for a special audience (ethnic, children, aged, institutionalized, etc.) With CI, may be repeated one time as additional elective credit (total of 6 hours). Open to non-majors with CI.

TPP 3500 BODY DISCIPLINES (2)
PR: Completion of four required 2000 level theatre courses. A laboratory course in various disciplines or systems in controlling and understanding the body's motive powers, with focus on their use for the stage performer. Repeatable for credit. Required of all theatre majors with a performance concentration. Open to upper-level non-majors with CI. May be repeated for credit.

TPP 3510 SPECIAL SKILLS IN MOVEMENT (2)
PR: TPP 3500. Stage combat, circus and acrobatic techniques, and other special techniques of movement. Repeatable for credit. Open to non-majors with CI.

TPP 3520 VOICE PREPARATION FOR THE ACTOR (2)
PR: Completion of the four required 2000 level theatre courses. A laboratory in voice production and corrective speech for the actor. Repeatable for credit. Required of all theatre majors with a performance concentration. Open to upper-level non-majors with CI. May be repeated for credit.

TPP 4140 SCENE STUDY II (4)
PR: TPP 4150 and audition. 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 4150 SCENE STUDY I (4)
PR: TPP 3111 and audition. Basic scene study. Special problems in movement and speech to be integrated with character development, rehearsal techniques, and performance composition. Required of all theatre majors with a performance concentration.

TPP 4152 SCENE STUDY III (4)
PR: TPP 4140 and audition. Advanced scene study. Required of all theatre majors with a performance concentration.

TPP 4180 SCENE STUDY HONORS (3)
PR: TPP 4152; admittance by competitive audition. The aesthetics of acting. The various theories of art. A studio course.

TP 4220 AUDITION WORKSHOP FOR THE ACTOR (2)
PR: TPP 4150 and 4140 or CI. Preparation for professional audition; discussion of professional objectives.

TPP 4230 LABORATORY WORKSHOP IN PERFORMANCE (3)
PR: TPP 3111 and/or CI. Special workshop in advanced techniques based upon individual problems and needs. May be repeated twice (to a total of 9 hours credit).

TPP 4250 MUSIC THEATRE WORKSHOP (3)
PR: TPP 3111. Special problems in acting as applied to the musical theatre.

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

TPP 4610 WRITING FOR THE THEATRE (3)
PR: Completion of the first two years as a theatre major and CI. An elective in writing for the theatre, starting with explorations of theatre as a medium, exercise in theatre form and techniques and progressing to an advanced workshop in plays and other styles of theatre pieces. May be repeated for credit. Open to non-majors with CI.

TPP 4920 SENIOR WORKSHOP FOR ACTORS (3)
PR: TPP 4152, TPP 3500, TPP 3790L. A workshop in advanced vocal and movement techniques. Required for all theatre majors with a performance concentration.
AST 2005 ASTRONOMY OF THE SOLAR SYSTEM (4)
Introduction to the Astronomy of the Solar System. Course level assumes no Physics or Mathematics background. Only simple math will be used. Topics covered include properties of light, stellar coordinates, timekeeping, eclipses, formation and dynamics of the solar system, properties of the sun and planets, space exploration of planets and the moon, life on other worlds. This course is complementary to but independent of AST 2006. Either may be taken before the other or taken by itself.

AST 2006 STELLAR ASTRONOMY AND COSMOLOGY (4)
An introduction to Astrophysics and the structure of the universe. Course level assumes no Physics or Mathematics background. Only simple math will be used. Topics covered include properties of light, stellar coordinates, measurement of the physical properties of stars, formation, structure and evolution of stars, normal and peculiar galaxies, cosmology. This course is complementary to but independent of AST 2005. Either may be taken before the other or taken by itself.

AST 2032C ILLUSTRATIVE ASTRONOMY (3)
Constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, constellations, use of small telescopes, etc., apparent motions of celestial objects, comets and meteors, etc., apparent motions of celestial objects, comets and meteors, etc.

AST 3033 CONTEMPORARY THINKING IN ASTRONOMY (3)
PR: Junior or Senior Standing of CI. Seminar designed to assist the layman, with no scientific background, in comprehending contemporary developments in Astronomy. Necessary background material is provided by the instructor and a text. No experience in astronomy, physics or mathematics is necessary. Topics covered in recent years include the space program, pulsars, x-ray astronomy, black holes, extra-terrestrial life, interacting galaxies, cosmology.

AST 3043 HISTORY OF THE SCIENCE OF ASTRONOMY (3)
To familiarize seriously interested students with the history of astronomy and the influence of this discipline on the development of human knowledge.

AST 3044C ARCHAEOASTRONOMY (3)
PR: Jr. or Sr. Standing or CI. Astronomical concepts and observational techniques used by prehistoric/ancient peoples for detecting change of seasons, constructing calendars, predicting eclipses, etc. Particular attention is given to Stonehenge, and to works of N.A. Indians, the Maya and Aztecs, and the Egyptians. Lec.-Lab.

AST 3652 NAVIGATION (3)
PR: Some knowledge of geometry, algebra and trigonometry. Timekeeping, use of sextant, constellations, navigation with minimum equipment, some spherical astronomy.

AST 3930 SELECTED TOPICS IN ASTRONOMY (1-4)
PR: CI. Course content will depend upon the interest of the faculty member and student demand. May be repeated up to 8 credit hours.

AST 5506 INTRODUCTION TO CELESTIAL MECHANICS (3)
PR: MAC 3413 and some knowledge of differential equations, or CI. The two-body problem, introduction to Hamiltonian systems and canonical variables, equilibrium solutions and stability, elements of perturbation theory.

AST 5932 SELECTED TOPICS IN ASTRONOMY (1-5)
PR: Senior or advanced junior standing or CI. Intensive coverage of special topics to suit needs of advanced students.

BIOLOGY

APB 2130 ENVIRONMENT (3)
PR: BSC 2933. The application of basic principles of ecology to relevant problems and topics relating to man's environmental interaction through consideration of scientific and popular literature. For non-majors.

APB 2140 FOODS AND DRUGS (3)
PR: BSC 2933. The application of basic biological principles to relevant problems and topics in nutrition and drugs through the consideration of scientific and popular literature. For non-majors.

APB 2250 SEX, REPRODUCTION AND POPULATION (3)
PR: BSC 2933. The application of basic biological principles from subject areas to relevant problems and topics in the consideration of scientific and popular literature. For non-majors.

APB 3110 MAN, MICROBE AND MOLECULE (3)

APB 5595 FUNDAMENTALS OF TUMOR BIOLOGY (3)
PR: PR: PCB 4023C. A detailed examination of current information on cancer etiology, tumor cell growth and regulation, and host-tumor relationships.

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

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

BSC 2932 SELECTED TOPICS IN BIOLOGY (1-4)
May be repeated.

BSC 2933 TOPICS IN HUMAN BIOLOGY (3)
Lectures, individual reading, movies, classroom discussions, and evaluation of selected biological topics, reflecting biological principles. For non-majors.

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

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

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

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

BSC 4933 SELECTED TOPICS IN BIOLOGY (1-3)
BSC 5931 SELECTED TOPICS IN BIOLOGY (1-3)
Each topic is a course in directed study under supervision of faculty member.

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

PCB 4023C CELL BIOLOGY (4)
PR: CHM 3211, CHM 3211L and PCB 3063. A discussion of the concept and significance of the cell to biology; biological molecules and metabolic processes within the cell; cellular energy conversion systems; and control of cellular metabolism. Lec.-lab.
PCB 4043C PRINCIPLES OF ECOLOGY (3)
PR: 1 year major's Biology. An introduction to the basic principles and concepts of ecology at the ecosystem, community, and population level of organization. Lec.-dis.

PCB 4064 EXPERIMENTAL GENETICS (3)
PCB 3063. Experimental analysis of genetic systems, Lec.-lab.

PCB 4674 ORGANIC EVOLUTION (3)
PR: PCB 3063. An introduction to modern evolutionary theory. Lecture on population genetics, adaptations, speciation theory, phylogeny, human evolution and related areas. Lec.-dis.

PCB 5115C CYTOGENETICS (3)
PR: PCB 4023C. Survey of the structure and function of cytoplasmic and nuclear components of plant and animal cells. Lec.-lab.

PCB 5235C PRINCIPLES OF IMMUNOLOGY (3)
PR: PCB 4012C or MCB 3010C. Course will emphasize the biological principles involved in the vertebrate immune response. It will present the homeostatic, defense, and detrimental aspects of the immune system in terms of basic cellular and molecular mechanisms. Techniques will be described to familiarize the student with the types of immunological tools available to the cellular and molecular biologist.

PCB 5415 BEHAVIORAL ECOLOGY (3)
PR: ZOO 2010, PCB 4043. An emphasis on the evolutionary mechanisms that influence an organism's behavioral responses to environmental events. The theoretical framework is presented and analyzed. Intended for majors.

PCB 5525C MOLECULAR GENETICS (3)
PR: PCB 3063. Detailed examination of DNA, RNA and protein synthesis; the effects of mutations on proteins, cellular control; selected aspects of viral, bacterial and fungal genetics.

PCB 5615 EVOLUTIONARY GENETICS (3)
PR: PCB 3063. Examination of factors such as mutation, migration, natural selection, and genetic drift which modify the genetic structure of populations.

PCB 5835C NEUROPHYSIOLOGY (3)
PR: PCB 4023C. A comparative analysis of the physicochemical basis and evolution of nervous systems and sensory mechanisms.

ZOO 2010C FUNDAMENTALS OF ZOOLOGY (4)

MICROBIOLOGY

APB 5575C MEDICAL MYCOLOGY (4)
PR: MCB 3010C. A survey of the yeasts, molds, and actinomycetes most likely to be encountered by the bacteriologists, with special emphasis on the forms pathogenic for man.

MCP 3010C INTRODUCTION TO MICROBIOLOGY (4)
PR: BSC 2010C and 1 year College Chemistry. Organic chemistry and a course in genetics is recommended. Introduction to the biology of microorganisms: structure, physiology, and ecology of bacteria, algae, viruses, protozoa and lower fungi. The laboratory involves preparation of culture media, staining, pure culture methodology, isolation of microbes from nature, enumeration techniques, resistance to infectious disease. Lec.-lab.

MCP 4115 DETERMINATIVE BACTERIOLOGY (5)
PR: MCB 3010C. Survey of bacterial classification; detailed examinations of bacteria important to man in agriculture, in industry and as pathogens. Lec.-lab.

MCP 4404 MICROBIAL PHYSIOLOGY (4)
PR: MCB 3010C, PCB 4023C. A study of physiological and metabolic phenomena pertinent to the growth, development, regulation, inhibition and death of microorganisms and to the chemical alterations they catalyze. Lec.-lab.

MCP 4505C Virology (3)
PR: MCB 3010C. The biology of viruses associated with plants, animals, and bacteria will be considered; the nature of viruses, mechanisms of viral pathogeneses, and interactions with host cells.

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

MCP 5206 PUBLIC HEALTH AND PATHOGENIC MICROBIOLOGY (3)
PR: MCB 3010C. A comprehensive survey of pathogenic microbes responsible for disease in man and other animals and the impact of these infectious agents on the public health. These pathogens will be studied with respect to their morphology, cultivation, mechanisms of pathogenicity, laboratory diagnosis, and epidemiology.

MCP 5605 MICROROBIAL ECOLOGY (4)
PR: MCB 3010C. A study of the theory and methodology of the quantification of microbial processes in natural habitats with special emphasis on aquatic and terrestrial systems. Lec.-lab.

MCP 5606 SYMBIIOLOGY (3)
PR: A course in microbiology, cell biology or biochemistry and advanced standing. Consideration of mutualistic and parasitic symbioses between microbes and various animal, plant and microbe hosts on a cellular, biochemical, evolutionary and ecological perspectives.

MCP 5936 SELECTED TOPICS IN MICROBIOLOGY (1-3)
Each topic is a course in directed study under supervision of a faculty member.
ZOOLOGY

ENY 4004 INTRODUCTION TO ENTOMOLOGY (3)
PR: ZOO 3203 OR ZOO 3823C. An introduction to general aspects of insect morphology, development, and classification. The identification of local forms will be emphasized. Lec.-lab.

ENY 5501 AQUATIC ENTOMOLOGY (3)
PR: ENY 4004. Taxonomy, development, and ecology of aquatic insects with emphasis on local forms. Lec.-lab.

PCB 3700 HUMAN ANATOMY AND PHYSIOLOGY (5)
PR: BSC 2010C and ZOO 2010C. Lectures and discussions on the structure and function of the human body. For non-majors.

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

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

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

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

ZOO 3283C INVERTEBRATE ZOOLOGY (4)
PR: ZOO 2010C. An introduction to the major invertebrate groups, with emphasis on local forms. Field work will be required. Lec.-lab.

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

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

ZOO 4583C ANIMAL SOCIAL BEHAVIOR (4)
PR: ZOO 2010C. An introduction to comparative animal behavior (Ethology), with emphasis on communication, social use of space, and behavioral evolution. Lec.-lab.

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

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

ZOO 4893 WILDLIFE AND FISH MANAGEMENT (2)
PR: ZOO 2010C and PCB 4043C. An introduction to the principles of wildlife and fisheries management. Certain methods and techniques utilized in the management of exploited animal species will be introduced. Designed primarily for students interested in the wildlife and fish management profession.

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

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

ZOO 5475C ORNITHOLOGY (4)

ZOO 5485C MAMMAL LOLOGY (4)
PR: ZOO 3713C, CI and CC. The biology of mammals, including systematics, ecology, natural history, and geographical distribution. Lec.-lab.

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

ZOO 5815C BIOGEOGRAPHY (3)
PR: One year major's Biology. Principles and general patterns of terrestrial and marine animal and plant distributions.

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

CHEMISTRY


BCH 3033 INTRODUCTORY BIOCHEMISTRY (3)
PR: CHM 3200 or CHM 3211 and BSC 2010C. Introduction to the chemistry and intermediary metabolism of biologically important substances. Lec.

BCH 3033L BASIC BIOCHEMISTRY LABORATORY (2)
PR: BCH 3033. Practical work in determination and characterization of important biomolecules. Lec.-lab.

BCH 3045L BIOCHEMISTRY CORE COURSE (3)
PR: Either CHM 3211, CHM 3211L, and CHM 3400 or CHM 4410 or graduate standing. A one-semester course in biochemistry for graduate students in chemistry, biology, and other appropriate fields and for particularly well-qualified undergraduates, Lec.

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

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

CHM 2045 GENERAL CHEMISTRY I (3)
Fundamentals of chemistry, mass and energy relationships in chemical changes, equilibrium, chemical kinetics, atomic and molecular structure, descriptive chemistry of selected elements. Lec.-dis.

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

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

CHM 2046L GENERAL CHEMISTRY II LABORATORY (1)
PR: CHM 2045L. Laboratory portion of General Chemistry II. Continuation of chemistry laboratory.

CHM 3020 CURRENT ISSUES IN CHEMISTRY (3)
A survey of the important current issues in which chemistry affects our lives: e.g., environment, drugs, cancer, warfare, etc. No credit for chemistry majors.

CHM 3120C ELEMENTARY ANALYTICAL CHEMISTRY (4)

CHM 3200 ORGANIC CHEMISTRY (4)
PR: CHM 2046 or equivalent. Fundamental organic chemistry principles. Structure, nomenclature, properties, preparation, reactions of hydrocarbons, alkyl halides, alcohols, phenols, ethers, sulfur analogs and other compounds. A one-semester course.

CHM 3210 ORGANIC CHEMISTRY I (3)
PR: CHM 2046, CHM 2046L. Fundamental principles of organic chemistry. Lecture.

CHM 3210L ORGANIC CHEMISTRY LABORATORY I (2)
CHM 3211 ORGANIC CHEMISTRY II (3)
PR: CHM 3210 or equivalent. Continuation of organic chemistry.

Lecture.

CHM 3211L ORGANIC CHEMISTRY LABORATORY II (2)

CHM 3400 ELEMENTARY PHYSICAL CHEMISTRY I (3)
PR: CHM 2046, CHM 2046L, MAC 2044, MAC 2243, PHY 2051, PHY 2052, PHY 2051L. Introduction to thermodynamics. Properties of solutions with emphasis on biological applications.

CHM 3401 ELEMENTARY PHYSICAL CHEMISTRY II (3)
PR: CHM 3400. Reaction kinetics, enzyme kinetics, macromolecular systems, radiochemistry, molecular spectroscopy, and chemical bonding.

CHM 3402L ELEMENTARY PHYSICAL CHEMISTRY LABORATORY (1)
PR: CHM 3120 and 3120L., CR: CHM 3400 and/or CHM 3401. A physical chemistry laboratory with emphasis on modern techniques and instrumentation.

CHM 3610C INTERMEDIATE INORGANIC CHEMISTRY (4)
PR: CHM 2046, CHM 2046L. Fundamental principles of inorganic chemistry. Lec.-lab.

CHM 4060 USE OF THE CHEMICAL LITERATURE (1)
Discussions and assignments using abstracts, bibliographies, indices, encyclopedias, journals, patent files, and other information sources to obtain chemical and/or historical material and including written and oral presentations. Career information and opportunities also discussed.

CHM 4070 HISTORICAL PERSPECTIVES IN CHEMISTRY (3)
PR: CHM 2046; or senior standing, and CI. A study in depth of the historical and philosophical aspects of outstanding chemical discoveries and theories. Lec.-dis.

CHM 4130C METHODS OF CHEMICAL INVESTIGATION I (4)
PR: CHM 3120C, CHM 3211, CHM 3211L, CHM 4060, CHM 4410. Theoretical and practical applications of instrumental methods in chemical research, chemical synthesis and analysis; electrochemical and calorimetric techniques, separation methods, spectroscopy, statistical analysis of data, computer data handling, and individual projects.

CHM 4131C METHODS OF CHEMICAL INVESTIGATION II (4)
PR: CHM 4130C. Continuation of CHM 4130C.

CHM 4300 BIOMOLECULES I (3)
PR: CHM 3211. Nature, structure, elucidation, synthesis and (in selected cases) organic chemical mechanisms of biochemical involvement of the major classes of organic compounds found in living systems.

CHM 4410 PHYSICAL CHEMISTRY I (3)
PR CHM 3120C and MAC 3282 or MAC 3412, and PHY 2052 or PHY 3042. Thermodynamics, the states of matter, solutions. Lec.

CHM 4411 PHYSICAL CHEMISTRY II (3)
PR: CHM 4410. Introduction to quantum mechanics and molecular spectroscopy.

CHM 4412 PHYSICAL CHEMISTRY III (3)

CHM 4610 ADVANCED INORGANIC CHEMISTRY (3)
PR: CHM 4410 or CI. An advanced theoretical treatment of inorganic compounds.

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

CHM 4932 SELECTED TOPICS IN CHEMISTRY (1-3)
PR: CI. The course content will depend on the interest of faculty members and student demand.

CHM 4970 UNDERGRADUATE RESEARCH (1-3)
PR: CI. (S/U only.)

CHM 5225 INTERMEDIATE ORGANIC CHEMISTRY (3)
PR: CHM 3211, CHM 3211L, or equivalent. This course will extend organic chemistry beyond the undergraduate level and will emphasize concepts of stereochemistry and reaction mechanisms.

CHM 5425 APPLICATIONS IN PHYSICAL CHEMISTRY (3)
PR: CHM 4412. Applications of chemical theory to chemical systems.

CHM 5430 CHEMICAL THERMODYNAMICS (3)
PR: CHM 4412 or CI. The applications of thermodynamic theory to the study of chemical systems with emphasis on the energetics of reactions and chemical equilibria. Lec.

CHM 5621 PRINCIPLES OF INORGANIC CHEMISTRY (3)
PR: CHM 4411 or CI. Chemical forces, reactivity, periodicity, and literature in inorganic chemistry. Basic core course. Lec.

CHM 5931 SELECTED TOPICS IN CHEMISTRY (1-3)
PR: CI. The following courses are representative of those that are taught under this title: Natural Products, Stereochernistry, Reactive Intermediates, Photochemistry, Instrumental Electronics, Advanced Lab Techniques, Heterocyclic Chemistry, etc.

CHS 4100C RADIOCHEMISTRY (3)

CHS 4200 INDUSTRIAL CHEMISTRY (3)
PR: CHM 3211 or CI. The general composition and properties of products in the petroleum, rubber, plastics, fiber, and detergent industries will be examined. Quality requirements imposed by product end use and new product development will be emphasized. (Sem I)

CHS 4300 FUNDAMENTALS OF CLINICAL CHEMISTRY (3)
PR: BCH 3033. Theoretical and practical aspects of the analysis of various body fluids, with emphasis on the medical significance. Clinical chemistry majors must take CHS 4301L concurrently. Lec.

CHS 4301L CLINICAL LABORATORY (2)
PR: BCH 3033 and CI. Clinical experience in clinical chemistry laboratories in the Tampa Bay area. (S/U only.)

CHS 4310C INSTRUMENTAL ANALYSIS (4)
PR: CHM 4412 or CI. Theory and practice of instrumental methods of chemical analysis. Lec.-lab.

GEOL 2016 PHYSICAL GEOLOGY (4)
Study of minerals, rocks, and processes of the earth's crust. Introduction to origin and classification of earth's materials and landforms. Lec.-lab.

GEOL 2100 EARTH HISTORY (4)
PR: A course in geology. Study of the physical and biological history of the earth including evolution of the major groups of organisms, continental drift, and interpretation of ancient environments. Lec.-lab.

GEOL 2850 ENVIRONMENTAL GEOLOGY (3)
A first course in geology emphasizing environmental aspects of the earth's crust, such as earthquakes, depletion of the earth's resources, water supply problems, and geologic land use and planning. No credit for geology majors.

GEOL 3006 GEOLOGY OF OUR NATION'S PARKS (3)
Representative parks used to illustrate current concepts in geology. For the non-science student. No credit for geology majors.

GEOL 3400 STRUCTURAL GEOLOGY (4)
PR: 12 hours of geology, MAC 1104 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. Study of regional tectonics and major structural provinces. Lec.-lab.

GEOL 3610 PRINCIPLES OF INVERTEBRATE PALEONTOLOGY (4)
PR: GEOL 2100 or CI. Emphasis on morphology and habits of fossil invertebrate groups as they evolved through geologic time. Comparisons with modern examples of similar organisms. Stratigraphic distribution of major groups. Lec.-lab.
GLY 3830 GEOLOGY FOR ENGINEERS (3)  
PR: Junior standing in College of Engineering or CI. An examination of geologic materials and processes designed for engineering students; classification and properties of earth materials, surface processes, site investigation techniques, applications of geology to the solution of engineering problems. (No credit toward the geology major, or for those with credit for GLY 4206.)

GLY 4200 MINERALOGY-PETROLOGY I (4)  
PR: Physical Geology, one year of chemistry and college trigonometry or equivalent or CI. Principles of crystal chemistry, crystallography and mineralogy with emphasis on common rock-forming minerals. Lec.-lab.

GLY 4220 MINERALOGY-PETROLOGY II (5)  
PR: GLY 4200 or CI. Theory and use of polarized light microscopy as a means of mineral identification. Special emphasis is placed on the identification of igneous and metamorphic rocks in hand specimen and thin section. Lec.-lab.

GLY 4511 STRATIGRAPHY AND PETROLEUM GEOLOGY (4)  
PR: GLY 4550. Emphasis on classical principles of litho- and biostratigraphy, basin analysis, geophysical well logging, origin and occurrence of petroleum. Exploration methods are emphasized. Lec.-lab.

GLY 4550 DEPOSITIONAL SYSTEMS (3)  
PR: GLY 2016, GLY 2100 or equivalent. Study of modern sedimentary environments and their relationships to one another in order to understand environments preserved in the rock record. Physical, chemical, and biological aspects of terrestrial, transitional and marine sedimentary environments will be examined in light of their eventual preservation in rocks.

GLY 4555 SEDIMENTOLOGY (4)  
PR: GLY 4220, GLY 4550 or CI. Analysis of sedimentary rocks and sedimentary structures as related to their environments of deposition. Textural and mineralogical study of sediments and statistical applications to sediment analysis. Lec.-lab.-field trips.

GLY 4700 SURFICIAL GEOLOGY (4)  
PR: Senior or advanced junior standing and CC. Origin, evolution and distribution of land forms and soils. Dynamics of the earth's surface. Lec.-lab.

GLY 4730 MARINE GEOLOGY (3)  
PR: 12 hours of geology or CI. General survey of the geology of the ocean floor from beaches to ocean trenches including sediments, processes, tectonics and history.

GLY 4750 FIELD METHODS (3)  
PR: 12 hours of geology courses or CI. Fundamentals of geology in the field; compass and plane table mapping, mapping on aerial photos, reconnaissance surveys, interpretation of geologic structure. Lec.-lab.-field trips.

GLY 4816 ECONOMIC MINERAL DEPOSITS (3)  
PR: 16 hours of geology or CI. Principles involved in the origin, occurrence, recovery, and use of mineral resources. Lec.-lab.-field trips.

GLY 4820 INTRODUCTION TO HYDROGEOLOGY (4)  
PR: GLY 4600, advanced junior or senior standing, one year each physics and calculus recommended, or CI. Ground water flow systems, ground water geology, introduction to numerical and analytical models of ground water flow. Lec.-lab.-field trips.

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

GLY 4915 UNDERGRADUATE RESEARCH (1-3)  
PR: Senior or advanced junior standing and written permission of department prior to registration. Individual experimental investigations with faculty supervision. (S/U only.)

GLY 4920 GEOLOGY COLLOQUIUM (1)  
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 two credit hours. (S/U only.)

GLY 4930 SELECTED TOPICS IN GEOLOGY (1-4)  
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.

OCF 3001 INTRODUCTION TO OCEANOGRAPHY (3)  
Overview of biological, chemical, geologic, and physical oceanography. (Also listed under Marine Science.) Does not count as a geology elective.

GLY 5241 GENERAL GEOCHEMISTRY (3)  
PR: One year college chemistry, GLY 4200 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 ANALYTICAL TECHNIQUES IN GEOLOGY (4)  
PR: One year college chemistry, GLY 4220 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 5310 IGNEOUS AND METAMORPHIC PETROLOGY (4)  
PR: GLY 4220. Systematic study of igneous and metamorphic rocks and complexes, including origin, composition, and classification. Use of the polarizing microscope for thin section analysis will be emphasized, and other modern methods of study will be employed. Lec.-lab.

GLY 5450 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 investigation and mineral deposits. Lec.-lab.-field trips.

GLY 5615 ADVANCED STRATIGRAPHIC PALEONTOLOGY (3)  
PR: GLY 3610, GLY 4550 or CI. Morphology, geologic distribution and stratigraphic ranges of important invertebrate guide fossils. Lec.-lab.-field trips.

GLY 5752 GEOLOGICAL FIELD EXCURSION (2)  
PR: GLY 3400, GLY 4550, and GLY 4750. Lectures and 2-3-week field excursion to study regional geology, structure and lithogenesis of geologically complex terrain. Mapping and outcrop description techniques are emphasized. Destination of trip varies. Trip requires camping and vigorous physical activity. Lec.-field trip.

GLY 5825 ADVANCED HYDROGEOLOGY (4)  
PR: GLY 4820, MAC 3282 or MAC 3412 or CI. Flow systems, analytical and numerical techniques to ground water flow problems. Emphasis on the theoretical aspects of ground water flow systems and their interaction with the geologic framework. Lec.-lab.-field trips.

GLY 5890 STATISTICAL MODELS IN GEOLOGY (3)  
PR: STA 3023 or equivalent or CI. Application of statistical methods to geologic problems. Emphasis on sampling plans, nature of geologic distributions, and application of analyses of variance to solving geologic problems. Lec.

GLY 5932 SELECTED TOPICS IN GEOLOGY (1-4)  
PR: Senior or advanced junior standing and CI. 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.

MARINE SCIENCE


GRADUATE COURSES

OCB 5050 BIOLOGICAL OCEANOGRAPHY (3)  
PR: Graduate standing, CI. The study of life in the sea with reference to distribution, reproduction, adaptation, competition, and populations. Lec.-lab.

OCB 5055 CHEMICAL OCEANOGRAPHY (3)  
PR: CHM 2046 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.

OCB 5067 MARINE POLLUTION (3)  
PR: OCB 5050 or CI. Marine pollutant sources, reservoirs, transport processes, and dynamics. Topics include heavy metals, chlorinated
hydrocarbons, radio activity, petroleum, pathogens, and thermal pollution including functional and physiological responses of marine organisms.

OCE 3001 INTRODUCTION TO OCEANOGRAPHY
Overview of biological, chemical, geological, and physical oceanography. (Also listed under Geography.) Does not count as a geology elective.

OCS 5054 GEOLOGICAL OCEANOGRAPHY
PR: Graduate standing or CI. An introduction to the physical, historical, sedimentary, and structural geology of the ocean basins and their borders. Lec.-lab.

OCS 5455 MARINE ISOTOPE GEOCHEMISTRY
PR: Chemical Oceanography or CI. Study of stable and radioactive isotope variations in the marine environment and the use of these variations as elemental tracers and in determining ages and rates and paleoecological conditions.

OCP 5051 PHYSICAL OCEANOGRAPHY
PR: Graduate standing, CI, PHY 3042. The world ocean including its morphology, physical properties, currents, waves, tides, heat budget, and related topics. Lec.-lab.

ZOO 5456C ICTHYOLOGY
PR: Introduction to zoology. (Also listed under Zoology.) No credit for students with credit in MAA 3403.

MATHEMATICS

COP 3215 COMPUTER APPLICATIONS OF MATHEMATICS
CR: MAC 3412 or CC. Computer applications to mathematics, especially calculus, with FORTRAN programming.

MAA 4211 ADVANCED CALCULUS I
PR: MAC 3413, with a grade of "C" or better; MHF 3102 and MAS 3103 or CI. Concepts of limit, continuity, differentiation, and integration of functions in one and several variables. Major topics include partial differentiation, Riemann integrals, improper integrals, infinite series, uniform convergence, implicit-function theorems, line and surface integrals, vector integrals.

MAA 4212 ADVANCED CALCULUS II
PR: MAA 4211. Continuation of MAA 4211.

MAA 5306 REAL ANALYSIS I

MAA 5307 REAL ANALYSIS II
PR: MAA 5306. Continuation of MAA 5306.

MAA 5402 COMPLEX ANALYSIS I
PR: MAA 4211. Complex numbers, analytic functions and mappings, integrals.

MAA 5403 COMPLEX ANALYSIS II
PR: MAA 5402. Power series, residues and poles, conformal mappings.

MAA 5405 APPLIED COMPLEX ANALYSIS
Complex numbers, analytic and harmonic functions. Series. Contour integrals, residue theory. Conformal mappings. (A survey course emphasizing techniques and applications.) (No credit for students with credit in MAA 5402 and MAA 5403.)

MAC 1104 COLLEGE ALGEBRA AND TRIGONOMETRY -6A
PR: Two years of secondary school mathematics including one year of algebra or HCC mathematics course MAT 1033, taught on USF campus or CC, pass placement test in algebra. Real numbers and their properties, algebraic expression, equations and inequalities, functions, polynomials, exponential and logarithmic functions. Angles, trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for MAC 1104 for students with credit in MAC 2243 or MAT 2034.)

MAC 1114 COLLEGE TRIGONOMETRY
PR: Placement test. Angles, Trigonometric functions, properties and graphs of trigonometric functions, right triangles, laws of sines and cosines, polar coordinates. (No credit for students with credit in MAC 1104.)

MAC 2243 ELEMENTARY CALCULUS I -6A
PR: Placement test in algebra. Students should have two years of secondary school mathematics including one year of algebra or HCC mathematics course MAT 1033 taught on USF campus or CC. Algebraic functions, differentiation, applications. MAC 2243-MAC 2244 is primarily for students from Biological Sciences, Social Sciences and Business. (No credit for math majors or students with credit in MAC 3281 or MAC 3411.)

MAC 2244 ELEMENTARY CALCULUS II
PR: MAC 2243. Antiderivatives, the definite integral, techniques of integration, logarithmic and exponential functions, applications. (No credit for mathematics majors or students with credit in MAC 3282 or MAC 3412.)

MAC 3281 ENGINEERING CALCULUS I
PR: MAC 1104 with a "C" or better or CC. Pass placement tests in algebra and trigonometry. Differentiation, limits, differentials, extrema, indefinite integral. (No credit for students with credit in MAC 2243 or MAC 4412.)

MAC 3282 ENGINEERING CALCULUS II
PR: MAC 3281. Definite integral, trigonometric functions, log, exponential, applications. (No credit for students with credit in MAC 2244 or MAC 3412.)

MAC 3283 ENGINEERING CALCULUS III
PR: MAC 3282. Techniques of integration, numerical methods, analytic geometry, polar coordinates, Vector algebra, applications. (No credit for students with credit in MAC 3413.)

MAC 3411 CALCULUS I
PR: MAC 1104 with a grade of "C" or better or CC. Pass placement tests in algebra and trigonometry. Limits, derivatives, applications. (No credit for students with credit in MAC 2243 or MAC 3281.)

MAC 3412 CALCULUS II
PR: MAC 3411 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 MAC 2244 or MAC 3282.)

MAC 3413 CALCULUS III
PR: MAC 3412 with a grade of "C" or better or CC. Integration, polar coordinates, conic sections, vectors, indeterminate forms and proper integrals. (No credit for students with credit in MAC 3283.)

MAD 3100 APPLICATIONS-ORIENTED ALGEBRA
PR: MAC 2281 or MAA 4211. Continuation of MAA 4211. An introduction to the aspects of discrete mathematics which are fundamental to digital computation. Topics include graphs, coding theory, Boolean algebras, finite state automata, formal languages, groups, and other models of computation.

MAD 4401 NUMERICAL ANALYSIS
PR: MAS 3103; 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 5305 INTRODUCTION TO GRAPH THEORY
PR: CC. Brief introduction to classical graph theory (4-color theorem, etc.), directed graphs, connected digraphs, condensations, incidence matrices, Polya's Theorem, networks.

MAE 5874 ABSTRACT ALGEBRA FOR TEACHERS
PR: MAS 3103 and MAS 4301 and bachelor's degree or CC. Groups, fields, vector spaces as they relate to high school algebra and geometry. (No credit for Mathematics majors.)

MAE 5876 MATHEMATICAL ANALYSIS FOR TEACHERS
PR: MAC 3413 and bachelor's degree or CC. Advanced consideration of limits continuity, derivatives, differentials. (No credit for Mathematics majors.)

MAP 4302 DIFFERENTIAL EQUATIONS
PR: MAC 3413. First order linear and nonlinear differential equations, higher order linear equations, applications.

MAP 5205 MATHEMATICAL OPTIMIZATION THEORY I
PR: MAS 3103 and MAA 4211, or equivalent. Content: Unconstrained and linearly constrained extremal, linear and nonlinear programming, application to matrices and quadratic forms, Lagrange multiplier rule for equality constraints.

MAP 5316 ORDINARY DIFFERENTIAL EQUATIONS
PR: MAP 4302, MAA 4211, or CI. Existence and uniqueness theory, properties of solutions, linear systems, Sturm-Liouville theory, stability theory.
PHS 3101 MATHEMATICAL ANALYSIS OF PROBLEMS IN MECHANICS AND ELECTRICITY
PR: One year of non-calculus general physics. CR: MAC 3283 or MAC 3413. Designed for students who have not had the general physics sequence using calculus. Review of mechanics and electricity emphasizing problems which involve the use of calculus. Semesters: Fall, Spring.

PHS 3102 PROBLEMS IN GENERAL PHYSICS I
CR: PHY 3040. First semester of two semester sequence of general physics problems. A course designed to allow those interested students to investigate problems not covered in the general physics course. Lecturer: Fall, Spring, Summer.

PHS 3103 PROBLEMS IN GENERAL PHYSICS II

PHS 4814 FUNDAMENTAL ACOUSTICS
PR: PHY 3223 or CI. Vibrations of elastic media, sound generation and propagation. Acoustical, electrical, and mechanical energy conversion. Underwater acoustics. Fall Semester.

PHS 5113 METHODS OF THEORETICAL PHYSICS I
PR: MAP 4302 or CI. Applications of mathematical techniques to classical and modern physics. Vector spaces including Hilbert space, orthogonal functions, generalized functions, Fourier analysis, transform calculus, and variational calculus. Fall Semester.

PHS 5114 METHODS OF THEORETICAL PHYSICS II
PR: MAP 4302 or CI. Applications of mathematical techniques to classical and modern physics. Selected topics in complex analysis, differential and integral equations, numerical methods, and probability theory. Spring Semester.

PHS 5304 NUCLEAR PHYSICS
PR: PHY 4604 or CI. Nuclear forces, nuclear models, nuclear structure, decay, nuclear reactions, and high energy physics. Spring Semester.

PHS 5405 SOLID STATE PHYSICS I

PHS 5505 PLASMA PHYSICS I
PR: PHY 4324 or CI. Introduction to Boltzmann, magnetohydrodynamic and orbit approaches to plasmas. Longitudinal and electromagnetic waves in plasmas. Collisions and radiation. Instabilities. Fall Semester.

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

PHY 2050, 2050L, GENERAL PHYSICS I AND LABORATORY
First semester of a two semester sequence of general physics (mechanics, heat, electricity, wave motion, optics) and laboratory for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. Semesters: Fall, Spring, Summer.

PHY 2051, 2051L, GENERAL PHYSICS II AND LABORATORY
PR: PHY 2050, PHY 2050L. Second semester of general physics and lab for science students. Must be taken concurrently and, if dropped, then dropped simultaneously. Semesters: Fall, Spring, Summer.

PHY 3020 CONCEPTUAL PHYSICS
A qualitative, non-mathematical investigation of physics, emphasizing its influence on life today. (No credit for physics or mathematics majors) Semesters: Fall, Spring, Summer.

PHY 3040, 3040L, GENERAL PHYSICS I AND LABORATORY
PR: MAC 3281 or MAC 3411. First semester of a two semester sequence of general physics (mechanics, wave motion, sound, thermodynamics, geometrical and physical optics, electricity, and magnetism) and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. Semesters: Fall, Spring, Summer.

PHY 3041, 3041L, GENERAL PHYSICS II AND LABORATORY
PR: MAC 3282 or MAC 3412, PHY 3040, PHY 3040L. Second semester of general physics and laboratory for physics majors and engineering students. Must be taken concurrently and, if dropped, then dropped simultaneously. Semesters: Fall, Spring, Summer.

PHY 3123 MODERN PHYSICS

PHY 3223 MECHANICS I
CR: MAC 3283 or MAC 3413 and either PR: PHY 3040 or CR: PHS 3101. First semester of a two semester sequence. Review of vector algebra and vector calculus. Dynamics of single particles and systems of particles; central forces; rotation about an axis; statics; and virtual work. Fall Semester.

PHY 3323C ELECTRICITY AND MAGNETISM I
PR: PHY 3041, MAC 3283 or MAC 3413. Electromagnetic circuits; resistance, capacitance, inductance, direct and alternating current circuits, thermoelectricity, and instrumentation. Laboratory. First semester of sequence PHY 3323C, PHY 4324.

PHY 3424 OPTICS
PR: PHY 3011 or PHY 3041; CR: MAC 3283 or MAC 3413. Reflection, refraction, dispersion, interference, diffraction, polarization, and laboratory. Fall Semester.

PHY 3822L, INTERMEDIATE LABORATORY
NURSING


HUN 3201 NUTRITION
PR: Course work in chemistry and biology or, permission of faculty. Open to majors and non-majors. The study of fundamental principles of normal nutrition as they relate to human life and growth from conception through senescence, interpretation of current nutrition information, and application of nutrition knowledge in the establishment of good eating habits.

NGR 5810 INTRODUCTION TO NURSING RESEARCH
PR: Satisfactory completion of a course in elementary statistics and/or permission of the faculty. This course will introduce the research process and provide an understanding of the use of nursing research in the improvement of nursing practice. Content focuses critiquing and evaluating research studies and applying it. Ethical and legal issues which affect nursing research will be examined.

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

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

NUR 3130 NURSING PROCESS I
PR: Permission of faculty. Development of the nursing process as it relates to normal and high risk childbearing families, maturing families with children, and families with complex health problems. Integrates

PHYSICS

PHY 4224 MECHANICS II
PR: PHY 3223; CR: MAP 4302. Continuation of PHY 3223. Coupled oscillators and normal modes; moving coordinate systems; Lagrange's and Hamilton's equations; inertia tensor; general rotation of rigid bodies. Spring Semester.

PHY 4324 ELECTRICITY AND MAGNETISM II

PHY 4526 STATISTICAL PHYSICS

PHY 4604 QUANTUM MECHANICS I
PR: PHY 3123 or CR: Postulates, Schrodinger's equation, one-dimensional problems, matrix mechanics, uncertainty principle, angular momentum, and central forces. First semester of sequence PHY 4604, PHY 5624. Fall Semester.

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

PHY 4823L ADVANCED LABORATORY II
PR: PHY 3822L. Experimental work primarily related to nuclear physics. Emphasis on modern physical experimental techniques employing some of the new types of equipment. Spring Semester.
emphasize on history-taking and physical assessment. Includes practice of physical assessment skills.

NUR 3723 CLIENT ASSESSMENT II (2)
PR: Permission of faculty. Expands knowledge and skills essential for biopsychosocial assessment of needs of clients and families in primary, secondary, or tertiary care settings with emphasis on data collection from secondary sources and interpretation of data with respect to clients’ nursing needs.

NUR 4165 INTRODUCTION TO RESEARCH (2)
PR: Permission of faculty. Continuation of previous core courses with emphasis on issues and trends related to nursing roles in the health care delivery systems and on nursing research.

NUR 4430 NURSING PROCESS IV (1)
PR: Permission of faculty. Introduction to nursing process of the well elderly with clients in primary care settings. Included are theories and changes in aging with socio-economic factors affecting the health and care of the elderly.

NUR 4430L NURSING INTERVENTION IV (1)
PR: Permission of faculty. Clinical nursing experience in primary care settings. Includes use of multiple essential assessment skills, development of therapeutic relationships, nutrition and psychosocial health aspects with well elderly.

NUR 4636 NURSING PROCESS V (2)
PR: Permission of faculty. Introduction to nursing with clients in secondary and tertiary care settings, including fluid and electrolyte balance, surgical care cycle and disturbances in cell growth and proliferation. Includes pathophysiology, nutrition, psychosocial aspects, pharmacology and psychomotor skills.

NUR 4636L NURSING INTERVENTION V (3)
PR: Permission of faculty. Clinical nursing practice in secondary care settings (linked to Nursing Process V). Includes essential psychomotor skills, pharmacology, nutrition, and psychosocial health aspects.

NUR 4651 NURSING PROCESS VI (2)
PR: Permission of faculty. Development of the nursing process for clients of all ages (including mother and infants) with problems arising from electrolyte, metabolic, endocrine and genitourinary disturbances. Integrates pathophysiology, essential psychomotor skills, nutrition, pharmacology, psychosocial and community health aspects.

NUR 4651L NURSING INTERVENTION VI (2)
PR: Permission of faculty. Clinical nursing practice in secondary and/or tertiary care settings (linked to Nursing Process VI) with clients of all ages with problems arising from electrolyte, metabolic, endocrine and genitourinary disturbances. Includes pathophysiology, nutrition, pharmacology, essential psychomotor skills, psychosocial and community health aspects.

NUR 4652 NURSING PROCESS VII (2)
PR: Permission of faculty. Development of the nursing process for clients of all ages with problems arising from disturbances in oxygenation. Integrates pathophysiology, nutrition, pharmacology, psychosocial, essential psychomotor skills and community health aspects.

NUR 4652L NURSING INTERVENTION VII (2)
PR: Permission of faculty. Clinical nursing practice in secondary and/or tertiary care settings (linked to Nursing Process VII) with clients of all ages with problems arising from disturbances in oxygenation. Includes essential psychomotor skills, pathophysiology, nutrition, pharmacology, psychosocial and community health aspects.

NUR 4653 NURSING PROCESS VIII (2)
PR: Permission of faculty. Development of the nursing process for clients of all ages with problems arising from disturbances in coordination, perception, or sensory function. Integrates pathophysiology, nutrition, essential psychomotor skills, pharmacology, psychosocial and community aspects.

NUR 4653L NURSING INTERVENTION VIII (2)
PR: Permission of faculty. Clinical nursing practice in secondary or tertiary care settings (linked to Nursing Process VIII) with clients in all age groups with disturbances in coordination, perception or sensory function. Integrates pathophysiology, essential psychomotor skills, nutrition, pharmacology, psycho-social and community aspects.

NUR 4654 NURSING PROCESS IN COMPLEX SITUATIONS (4)
PR: RN. Previous courses in sequence or permission of Dean. Content focuses on clinical management of clients of all ages with common and complex health-illness problems.

NUR 4654L NURSING PRACTICUM II (4)
PR: RN. Permission of Dean. Application of theory from NUR 4654 in management of care for clients with complex health problems in a variety of health care settings.

NUR 4910C INDEPENDENT STUDY (1-5)
PR: Permission of faculty. Open to majors and non-majors. Individual or group investigation of problems relevant to the health of individuals or groups. Project requirements individually planned with faculty preceptor. May be repeated to maximum of 5 credits.

NUR 4930 SELECTED TOPIC IN NURSING (2-8)
PR: Junior or senior standing or permission of faculty. Content will depend upon student demand and faculty interest and may focus on any area relevant to nursing practice. May involve class, seminar, and/or clinical laboratory and may be repeated for different topics.

NUR 4943C NURSING PRACTICUM III (5)
PR: All preceding courses in prescribed curriculum plan or permission of Dean. Individually planned experience in a clinical and/or functional area of professional nursing which is related to student’s professional goals. Associated seminars and/or institutes. (S/U only.)

NUR 4943L PRECEPTORSHIP (6)
PR: Permission of faculty. Concentrated clinical nursing practice (preceptorship) under faculty guidance. The nature and goals of the experience will be determined collaboratively by students, faculty and personnel from cooperating agencies where students elect experience.

NUU 3500 INTRODUCTION TO PROFESSIONAL NURSING (3)
PR: Admission to nursing major or permission of faculty. The first of a series of courses that focus on progressive development of professional nursing roles and responsibilities and its relationship to the role of other health care and related professionals. Includes examination of theories relevant to professional nursing practice (communication, systems, leadership, scientific methodology, role learning, change, stress), historical development of nursing, and trends in nursing and health care, and ethical-legal aspects of health care.

NUU 3501 ETHICAL-LEGAL ASPECTS IN NURSING AND HEALTH CARE (2)
PR: Permission of faculty. Continuation of Nursing Core I.

NUU 3502 LEADERSHIP MANAGEMENT ASPECTS IN NURSING AND HEALTH CARE (2)
PR: Permission of faculty. Continuation of previous core courses.

NUU 4133 TRANSCULTURAL NURSING (2)
Open to both students and caregivers in health-related fields. Designed to assist students to become aware of own values as related to various cultural groups and to identify health practices and beliefs of these groups, health resources available and adaptive measures by caregivers to meet their needs.

*NUU 4300 NURSING INQUIRY I (2)
PR: All preceding courses in prescribed curriculum plan or permission of Dean. 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 4504 INTERMEDIATE NURSING CORE (4)
PR: Admission to the major. Designed to assist registered nurses in building on previous knowledge and experience in the following areas: research, roles, issues, and historical developments in nursing: ethical-legal matters; leadership and management; quality assurance; health team dynamics.

NUU 4506 NURSING CORE V (3)
PR: Permission of faculty. Continuation of previous core courses with continued research emphasis and seminars related to problems of transition from student to practitioner including reality shock, use of supervision, self-evaluation, professional development and setting career goals.

*Courses available only to students currently enrolled.
AFRICAN AND AFRO-AMERICAN STUDIES

Director: F. U. Ohaegbulam; Professor: F. U. Ohaegbulam; Associate Professors: Nola Allen, J.W. Dudley, K.R. Glover, J.C. Renick; Other Faculty: J. Smith, P. Stith, P. Taylor

AFA 4204 GOVERNMENT AND POLITICS OF AFRICA (3)
Designed to provide the information and analytical tools necessary to interpret current Sub-Saharan African politics. Survey of political organization in traditional African societies; politics under colonial rule; the struggle for independence, and post-independence politics.

AFA 4244 GOVERNMENT AND POLITICS OF EAST, CENTRAL, AND SOUTHERN AFRICA (3)
In depth study of political developments, ideologies and modernization in East, Central and Southern Africa including race relations and white minority rule in Southern Africa.

AFA 4254 GOVERNMENT AND POLITICS OF WEST AFRICA (3)
In depth study of government, political systems and processes in West Africa including political developments, ideologies, problems and prospects of political and economic development and military regimes in the area.

AFC 4150 AFRICA AND THE UNITED STATES (3)
An examination of the historical and current political, economic, and cultural relations between the United States and Africa. (Also listed under International Studies.)

AFC 4331 SOCIAL INSTITUTIONS AND THE Ghetto (3)
A study of social institutions as they relate to the American Black ghetto, with emphasis on social systems operating within and on the ghettos.

AFC 4335 BLACK WOMEN IN AMERICA (3)
PR: WST 2010 or 2011, or AFA 2001, or CI. An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths and realities surrounding that experience. (Offered for credit in Women’s Studies or African and Afro-American Studies.)

AFC 4900 DIRECTED READINGS (2-3)
Independent readings in a particular area of African and Afro-American Studies, selected by student and instructor.

AFC 4931 SELECTED TOPICS IN AFRO-AFRICAN STUDIES (1-3)
Topics offered are selected to reflect student needs and faculty interests. In depth study in such areas as the Black Student and the American Educational Process; the Black Experience in the Americas; European Expansion in Africa to 19th Century; Contemporary Problems in Africa.

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

AFC 3200 AFRICAN HISTORY SINCE 1850 (3)
Survey of the colonial and post-colonial history of Africa. Emphasis on the impact of European and other alien influences on the continent, emergence of independent African states and post independence problems of nation building and African development. (Also listed under History.)

AFC 5205 SEMINAR: AFRICA FROM COLONIAL TIMES TO THE PRESENT (3)
PR: CI. An in-depth examination of Africa's colonial heritage and post independence efforts at nation building, economic development and eradication of the remnants of colonialism, and other topics such as relations between African states and the former colonial powers and other major world powers.

AFC 5295 SEMINAR: AFRICA CONTEMPORARY ISSUES (3)
PR: CI. An in-depth examination of major contemporary social and political issues in the African continent including their domestic and international dimensions.

AFC 3311 THE AFRICAN DIASPORA AND PAN-AFRICANISM (3)
An examination of the African Diaspora and the influence of African culture and civilization on the growth and development of world culture; and the historical quest for racial and continental pan-Africanism including Garveyism.

AMH 3571, 3572 AFRO-AMERICAN HISTORY (3, 3)
A survey of the Afro-American history in the Western Hemisphere. Emphasis on the experience in North America (AMH 3571, 1943-1865; AMH 3572 1865-to present.)

ANT 2000 INTRODUCTION TO ANTHROPOLOGY (3)
The crosscultural study of the human species in biological and social perspective. Surveys the four major branches of anthropology: physical anthropology (human biology), archaeology (the analysis of the prehistoric and historic remains of human cultures), anthropological linguistics (the analysis of language in its cultural context), and cultural anthropology (the crosscultural study of peoples living in the world today, be they in tribal, peasant, or urban societies).

ANT 3005 THE ANTHROPOLOGICAL PERSPECTIVE (3)
For non-anthropology majors only. Presents the basic concepts of anthropology as they are relevant to contemporary life. Aims at ena-
bling the student to understand the anthropologist's crosscultural view of the human species as adapting through biosocial means to life on this planet. May not be counted for credit toward an anthropology major.

ANT 3100 ARCHAEOLOGY (3)
PR: ANT 2000 or CI. The crosscultural study of humankind from its beginnings up to and including the historic period through the recovery, description, and analysis of the remains of past cultures and societies.

ANT 3410 CULTURAL ANTHROPOLOGY (3)
PR: ANT 2000 or CI. Discussion of major methods and orientations to the crosscultural study of the world's peoples. Representative case studies are used to demonstrate variations in human adaptations and to encourage an appreciation of diverse values and lifestyles.

ANT 3511 PHYSICAL ANTHROPOLOGY (3)
PR: ANT 2000 or CI. Non-human primates, the fossil record, and the biology of races are surveyed in order to understand the human animal as a product of biosocial phenomena. Anatomy, genetics, culture, and evolution are emphasized.

ANT 3610 ANTHROPOLOGICAL LINGUISTICS (3)
PR: ANT 2000 or CI. The comparative study of language in its cultural context, especially emphasizing the role of language in the cultural interpretation of physical and social reality.

ANT 4034 HISTORY OF ANTHROPOLOGICAL THEORY (3)
PR: Senior standing with major in anthropology or equivalent. The major concepts that form the anthropological view of humanity are viewed in historical perspective. Basic ideas of the western philosophical tradition are analyzed from the Greeks to the 19th century when they became incorporated into the new discipline of anthropology. 20th century anthropological developments in these themes are considered.

ANT 4124 FIELD METHODS IN ARCHAEOLOGY (4)
PR: ANT 3100 or CI. Normally offered as part of a Summer Field Session. Students also take Florida Archaeology and Laboratory Methods in Archaeology. Emphasis on appropriate methods of archaeological excavation and recovery and recording of data.

ANT 4133 UNDERWATER ARCHAEOLOGY (3)
PR: ANT 3100 or CI. Methods, theory, and history of underwater archaeology. Diving history and physiology are considered. Emphasis on underwater archaeology as anthropology and the management of underwater archaeological resources.

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

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

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

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

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

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

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

ANT 4182 CONTEMPORARY PROBLEMS IN ARCHAEOLOGY (3)
PR: ANT 3100 or CI. Focuses on the development of current archaeological method and theory. Examines the relationship between archaeology and the other branches of anthropology.

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

ANT 4231 FOLKLORE (3)
PR: ANT 3100 or CI. Focuses on crosscultural methods and techniques regarding the collection, classification, and analysis of such materials as myths, jokes, games, and items of material culture. African (or African derived), Oceanic and Native American societies are surveyed.

ANT 4241 ANTHROPOLOGY OF RELIGION (3)
PR: ANT 3100 or CI. The crosscultural study of the social and cultural aspects of religion. Religious activities in traditional and modern societies will be discussed. Ritual behavior, religious practitioners, and symbols of belief will be considered in light of their impact on the social, political, and economic aspects of peoples' lives.

ANT 4302 WOMEN IN CROSS-CULTURAL PERSPECTIVE (3)
PR: ANT 3100 or CI. Focuses on various theories, models and beliefs about male-female behaviors and interactions in human cultures throughout history and in various societies in the world today. (Also offered under Women's Studies.)

ANT 4305 VISUAL ANTHROPOLOGY (3)
PR: ANT 3100 or CI. The use of photographic techniques for the crosscultural recording and analysis of human activities. The study of ethnographic photography as both art and science, and the production of an anthropological study that expresses the goals of "visual literacy." Review and evaluation of the uses of visual techniques and the evidence they provide to the social scientist.

ANT 4312 CULTURES OF NORTHERN AMERICA (3)
PR: ANT 3100 or CI. An examination of the evidence for the origin and antiquity of human beings in North America and of patterns of regional development until the period of contact with European colonists. Emphasis on varieties of ecological adaptation, social, political, and religious systems, enculturation and worldview, folklore, and visual art.

ANT 4316 CULTURES OF THE CONTEMPORARY UNITED STATES (3)
PR: ANT 3100 or CI. Special concerns include the American community, change and continuity in American values and lifestyles, and the historical background and recent manifestations of human problems in the United States.

ANT 4326 CULTURES OF Mesoamerica (3)
PR: ANT 3100 or CI. Focuses on the history, contemporary values and interpersonal relationships, and patterns of rural and urban life in Mesoamerica. Guatemala and Mexico are emphasized.

ANT 4340 CULTURES OF THE CARIBBEAN (3)
PR: ANT 3100 or CI. Main themes include: the depopulation of the aboriginal population and the resettlement of the area via slavery, indenture, and migration; contemporary ethno-heterogeneity; economic problems of Third World microstates; development of a modern social and political consciousness. Religious diversity, music, the graphic arts, and the literature of the contemporary Caribbean will also be surveyed.

ANT 4367 CULTURES OF THE MIDDLE EAST (3)
PR: ANT 3100 or CI. Emphasizes the environment and cultural ecology of the Middle East and analyzes how they have influenced the variety of subcultures of the region. The rise and fall of the "little tradition" of the enduring folk cultures will be analyzed. Contemporary culture change will be analyzed in a temporal perspective.

ANT 4432 CULTURE AND PERSONALITY (3)
PR: ANT 3100 or CI. The relationship between the individual and society is studied cross-culturally. Main themes include child-rearing practices, psychosomatic illness and curing. Discussion of theories and models of personality development with special reference to their applicability to the emerging field of cross-cultural mental health.
planning.

ANT 4442 URBAN ANTHROPOLOGY
PR: ANT 3410 or CI. The crosscultural study of urbanization, urbanism, and human problems associated with metropolitan environments. Emphasis on the ethnography of city life and its relationship to the political applications of urban research.

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

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

ANT 4542 CULTURE AND PHYSICAL ANTHROPOLOGY
PR: ANT 3511 or CI. A survey of the many ways in which behavior and technology influence the biology of prehistoric and modern human populations. Phenomena such as mating practices, urbanization, and dietary habits are related to humans as animals. Behavior genetics and sociobiology are covered.

ANT 4552 EVOLUTIONARY BIOLOGY OF THE PRIMATES
PR: ANT 3511 or CI. A survey of non-human primates focusing on biological and evolutionary patterns. Anatomy, genetics, and evolution are stressed; major primate types are surveyed for their biological adaptation. Primate sociobiology is discussed.

ANT 4583 MODERN HUMAN PHYSICAL VARIATION
PR: ANT 3511 or CI. An overview of evolution and biological variation of human races. Anatomical, morphological and physiological patterns are surveyed geographically. Cultural influences on racial biology are explored.

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

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

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

ANT 4723 ANTHROPOLOGY AND EDUCATION
PR: ANT 3410 or CI. Examines the processes through which human beings learn to become functioning members of a society. Crosscultural analysis of patterns of education based on crosscultural data. Discussion of problems of minority education and the teaching of anthropology in primary/secondary schools.

ANT 4750 ETHNOGRAPHY OF COMMUNICATION
PR: ANT 3610 or CI. Examines the role of language and other modes of communication in the social settings of speech communities. Student field projects focus on the crosscultural description and analysis of patterns of communication in ethnographic contexts.

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

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

ANT 4909 SPECIAL TOPICS IN ANTHROPOLOGY
PR: CI. Topics to be chosen by students and instructor permitting newly developing disciplinary special interests to be explored. May be repeated as topics vary.

ANT 4935 SENIOR SEMINAR IN ANTHROPOLOGY
PR: Senior standing with major in anthropology, or equivalent. Through discussion of readings and student papers, students reevaluate anthropology as a discipline, and the integration of its branches and specialty fields. Students develop and articulate their current images of anthropology.

ANT 5804 DIRECTED READING
PR: CI. Individual guidance in concentrated reading on a selected topic in anthropology. Contract required prior to registration. (S/U only.)

ANT 5915 INDIVIDUAL RESEARCH
PR: CI. Individual guidance in a selected research project. Contract required prior to registration. (S/U only.)

ANT 5937 SEMINAR IN ANTHROPOLOGY
PR: Senior or graduate standing. Topics to be chosen by students and instructor.

MUIH 4521 FOLK MUSIC
PR: ANT 3410 or CI. Examines ethnic musics in America, emphasizing the functions of folk music in rural and urban settings. Materials drawn crossculturally are studied in both religious and secular forms. When feasible, classwork is supplemented by live performances. Technical knowledge of music is not required.

COMMUNICOLOGY

SPA 3030 INTRODUCTION TO COMMUNICATION DISORDERS
The scope of speech pathology as a profession and a field of study. An introduction to speech and language disorders (articulation, stuttering, voice, aphasia, etc.): etiologies, major treatment approaches, and research findings.

SPA 3308 INTRODUCTION TO RESEARCH PROCEDURES IN COMMUNIC0LOGY
Perspective on research in speech pathology and audiology. Introduction to multivariate design considerations as they apply to research in speech and hearing laboratory and clinical settings. Analysis of basic hypothesis testing.

SPA 3301 ANATOMY OF THE SPEECH AND HEARING MECHANISM
The neurological and anatomical basis of communication disorders. Comparisons of normal and pathological organic structures and their functional dynamics.

SPA 3310 INTRODUCTION TO HEARING SCIENCE
The scope of audiology as a profession and field of study. An introduction to the study of hearing impairments: classifications, etiologies, major treatment approaches, and research findings.

SPA 3317 INTRODUCTION TO SPEECH SCIENCE
Concentrated study of the acoustic, physiological and perceptual aspects of sound as related to normal and pathological speech communication. Introduction to instrumentation and measurement procedures.

SPA 4304 COMMUNICATION DISORDERS IN THE PUBLIC SCHOOLS
PR: CI. An examination of the speech, language and hearing problems affecting school-age children and the classroom teacher's role in the detection, prevention and amelioration of communication disorders.

SPA 4304 STRUCTURE OF SIGN LANGUAGE
PR: CI. Semiotic and linguistic consideration of American Sign Language (ASL). Includes aspects of phonology, syntax, semantics, and discourse in ASL.

SPA 4350 INTRODUCTION TO PRACTICUM
Observation and participation in speech pathology and audiology practicum in the University clinical laboratory.
SPA 4250 COMMUNICATIONS DISORDERS I: VOICE/ARTICULATION/STUTTERING (3)

SPA 4255 COMMUNICATION DISORDERS II: CEREBRAL PALSY/CLEFT PALATE/APHASIA (3)
PR: LIN 3010, LIN 4040, LIN 4710 and admission to program. An introduction to communication disorders associated with peripheral speech mechanism (articulation, voice etc.); identification, etiologies, and major treatment approaches.

SPA 4333 INTRODUCTION TO AMERICAN SIGN LANGUAGE (1)
Introduction to the elements of body language, gesture, and facial expression as related to manual communication. Also discusses aspects of physical contact as a communication tool. Open to interested non-majors as well as Communicationology majors.

SPA 4354 FUNDAMENTALS OF FINGERSPELLING (2)
PR: CI. A concentrated study of technique in fingerspelling emphasizing clarity and rhythm in expression as well as receptive understanding.

SPA 4363 BASIC AMERICAN SIGN LANGUAGE (2)
Introduction to American Sign Language (ASL) as used in the deaf community. General discussion of ASL structure and introduction to various manual communication systems and philosophies. Emphasis on building a basic vocabulary. One hour laboratory course (SPA 5380) to be taken concurrently. Open to all majors.

SPA 4363 NATURE AND NEEDS OF THE HEARING IMPAIRED (4)
A study of the effects of auditory disorders upon the organization and expression of behavioral patterns as they relate to motivation, adjustment and personality.

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

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

SPA 5201 COMMUNICATION DISORDERS: ARTICULATION (3)
PR: CI. An examination of normal and deviant articulatory acquisition and behavior. Presentation of major theoretical orientations and the therapeutic principles based upon them.

SPA 5210 COMMUNICATION DISORDERS: VOICE (3)
PR: CI. A comprehensive study of the medical and physical aspects of voice disorders. Primary emphasis is on therapeutic management.

SPA 5222 COMMUNICATION DISORDERS: STUTTERING (3)
PR: CI. A comprehensive study of the diagnosis and modification of stuttering based on a two-factor model. Other major theories are considered and evaluated.

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

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

SPA 5380 AMERICAN SIGN LANGUAGE LABORATORY (1)
A laboratory course designed to offer students added practice with the material being presented in the manual communications coursework through video and audio tapes. To be taken concurrently with each level of manual communication.

SPA 5384 INTERMEDIATE AMERICAN SIGN LANGUAGE (4)
PR: SPA 4336 and CI. A continuation of the basic course which expands the student's signing skills and introduces American Sign Language (ASL) idioms. Provides a greater opportunity for skill development in ASL structure and idiomatic usage. One hour laboratory course (SPA 5380) to be taken concurrently.

SPA 5388 ADVANCED AMERICAN SIGN LANGUAGE (4)
PR: SPA 5384 and CI. A continuation of the study of American Sign Language (ASL) at the advanced skill level. Added emphasis on idioms, body language, and facial expression as an integral part of ASL. A one hour laboratory course (SPA 5380) is to be taken concurrently. Open to all majors.

SPA 5402 COMMUNICATION DISORDERS: LANGUAGE (3)
PR: CI. Examination of research and clinical literature presenting major theoretical orientations pertaining to the etiology, evaluations, and treatment; of those factors that hinder or interrupt normal language acquisition or function.

SPA 5550 METHODS FOR ORAL COMMUNICATION DISORDERS (4)
PR: CI. An in-depth analysis of classic and contemporary methods employed in the management of communicatively impaired individuals.

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

SPA 5557 SPEECH PATHOLOGY AND AUDIOLOGY PRACTICUM (1-8)
PR: CI. Participation in speech pathology and audiology practicum in the University clinic laboratory and selected field settings.

SPA 5600 MANAGEMENT OF COMMUNICATION DISORDERS (3)
PR: CI. The planning of programs for individuals with speech, language, and hearing impairments. Includes administration of programs in public schools, clinics, and private practice.

Criminal Justice


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

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

CCJ 3280 CRIMINAL LAW I (3)
PR: CCJ 3020, POS 2041 or CI. Examines the historical basis of the American criminal law system, the substantive elements of the crime, and court procedures.

CCJ 3620 THEORIES AND TYPOLOGIES OF CRIMINAL BEHAVIOR (3)
PR: CCJ 3020. Provides a basic understanding of the complex factors related to crime, with concentration of patterns of offender behavior and principal theoretical approaches to the explanation of crime and criminals.

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

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

CCJ 4283 CRIMINAL LAW II (3)
PR: CCJ 3280. Emphasizes the Constitutional issues and rules that are applied and enforced by the courts while processing criminal cases.
CCJ 4330 ALTERNATIVES TO INCARCERATION (3)  
PR: Junior standing plus CCJ 4360 or CI. This course explores a variety of alternatives to imprisoning the offender, including probation, parole, diversion, and other community-based intervention and treatment approaches.

CCJ 4350 INTERVENTION TECHNIQUES AND STRATEGIES (3)  
PR: Senior standing or CI. Introduces the student to theories and methods underlying treatment modalities currently employed in corrections.

CCJ 4360 AMERICAN CORRECTIONAL SYSTEMS (3)  
PR: Junior standing plus CCJ 3620 or CI. Analysis of the different treatment philosophies and techniques currently in use in the field, with special attention to experimental and demonstration programs.

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

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

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

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

CCJ 4822 PRIVATE SECURITY SYSTEMS (3)  
PR: Junior standing plus CCJ 4110 or CI. Examines some of the principal methods and techniques currently used to reduce or prevent losses due to theft and casualty.

*CCJ 4900 DIRECTED READING (1-3)  
PR: CI. This course is specifically designed to enable advanced students to do research in an area of specialization. The student must specify the area of specialization, the methods to be used, and the objectives of the research. The student must work closely with the faculty member in the area of specialization for the number of hours required. (S/U only.)

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

*NOTE: CCJ 4900 & CCJ 4910 (a) Students wishing to enroll must make arrangements with a faculty member during the semester prior to actually taking the course. (b) A minimum of four (4) CCJ courses must have been completed satisfactorily prior to enrollment. (c) First consideration will be given to Criminal Justice majors, and (d) individual faculty members may add additional requirements as they see fit.

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

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

*Courses available only to students currently enrolled.

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

GEOGRAPHY


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

GEO 3002 GENERAL GEOGRAPHY (4)  
Selected topics in regional and topical geography offered as survey courses. Open to all students.

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

GEO 3202 GEOGRAPHY OF ANGLO-AMERICA (4)  

GEO 3260 GEOGRAPHY OF THE SOUTHEAST (4)  

GEO 3270 GEOGRAPHY OF FLORIDA (4)  

GEO 3300 GEOGRAPHY OF MIDDLE AMERICA (4)  

GEO 3360 GEOGRAPHY OF THE GULF OF MEXICO (4)  

GEO 3400 GEOGRAPHY OF LATIN AMERICA (4)  

GEO 3410 GEOGRAPHY OF SOUTH AMERICA (4)  

GEO 3500 GEOGRAPHY OF EUROPE (4)  

GEO 3554 GEOGRAPHY OF THE USSR (4)  

GEO 3600 GEOGRAPHY OF AFRICA (4)  

GEO 3703 GEOGRAPHY OF ASIA (4)  

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

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

GEO 3370 SYSTEMATIC GEOGRAPHY (4)  
PR: GEO 3013. Continuation of GEO 3013; soil, water, rocks, minerals, and landforms.

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

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

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

GEO 4040C MAP INTERPRETATION (4)  
PR: GEO 3370. Analysis and synthesis of various types of maps and map projections.

GEO 4100C CARTOGRAPHY (4)  
PR: GEO 3370. Map compilation and graphic presentation.

GEO 4114C GEOGRAPHIC TECHNIQUES AND METHODOLOGY (4)  
PR: GEO 3370. Selected topics in various geographic techniques and methodologies and their application.

GEO 4124C AIR PHOTO INTERPRETATION (4)  
PR: GEO 3370. Detection, identification, and analysis of objects on the earth's surface. Techniques other than photographic are also considered.

GEO 4164C QUANTITATIVE METHODS (4)  
PR: GEO 3370. Statistical analysis in geographic research.

GEO 4200C PHYSICAL GEOGRAPHY (4)  
PR: GEO 3370. Intensive study of a topic selected from physical geography.

GEO 4210 PHYSIOGRAPHY (4)  
GEO 4280C HYDROLOGY (4)
PR: GEO 3370. Hydrologic cycle; precipitation, evapotranspiration, water budget, streamflow, and probability analysis.

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

GEO 4372 CONSERVATION (4)
The distribution, exploitation, and conservation of physical and human resources, ecology.

GEO 4390 WATER RESOURCES (4)
A general overview of the hydrologic cycle and the impact of cultural development of its various components. May also include a survey of regional water problems.

GEO 4420 CULTURAL GEOGRAPHY (4)
PR: GEO 3370. The interrelationships of culture and nature, from pre-historic times to the present.

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

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

GEO 4470 POLITICAL GEOGRAPHY (4)
PR: GEO 3370. The geographic factors underlying political decisions and influencing their outcome; the geographic consequences of these decisions; geopolitics.

GEO 4500 ECONOMIC GEOGRAPHY (4)
PR: GEO 3370. The spatial organization of economic production, consumption, and exchange systems.

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

GEO 4602 URBAN GEOGRAPHY (4)
PR: GEO 3370. Spatial analysis of urban areas; growth, location, spacing, and size. Development, site, situation, internal structure, and hinterland are considered.

GEO 4700 TRANSPORTATION GEOGRAPHY (4)
PR: GEO 3370. Interrelationships between freight and passenger transportation and land use, in terms of site, traffic generation, and circulation.

GEO 4890 COASTAL ZONE MANAGEMENT (4)
PR: GEO 3370. Physical, cultural, and environmental elements of the coastal zone; impact of economic activities; recreation and conservation.

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

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

GEO 5065 GEOGRAPHIC LITERATURE AND HISTORY (3)
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.

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

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

URP 4852 URBAN AND REGIONAL PLANNING (4)
The geographic foundations of the modern city, metropolitan development, and the trend toward megalopolis. Examined are the political problems of conflicting jurisdictions at the local, county, state, national, and international levels.

GERONTOLOGY

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

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

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

GEY 4523 COMMUNITY RESOURCES FOR THE OLDER ADULT (3)
PR: GEY 4000, or Cl. Deals with relationship between community resources, elderly and service providers. Discusses impact of myths and stereotypes, planning and development of programs and services, techniques of direct services, and need for coordination of community resources.

GEY 4527 LONG-TERM CARE ADMINISTRATION I (3)
PR: GEY 3000, ACG 2011. A survey of Long Term Care (LTC) environments. Explores such issues as definitions of LTC, physiological conditions of LTC uses, the institutional setting, the sociocultural context, and methods of evaluation and intervention.

GEY 4528 LONG-TERM CARE ADMINISTRATION II (3)
PR: GEY 4327. Administration of long-term care institutions from a group of dynamics perspective. Emphasis on informed problem-solving and decision-making via analysis of the psychosocial and sociocultural environment extent in the nursing home community. Course objective is to create efficient and humane living and working conditions in nursing homes.

GEY 4529 LONG-TERM CARE ADMINISTRATION III (3)
PR: GEY 4328. This course will familiarize the student with the basic aspects of nursing home administration through the practical application of management theory and concepts.

GEY 4560 GERONTOLOGICAL COUNSELING (3)
PR: Cl. An introduction to the study of the major mental health problems of the elderly. Current approaches to counseling the elderly in community and institutional settings are discussed.

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

GEY 4900 DIRECTED READINGS (1-2)
PR: Cl. A reading program with topics in gerontology conducted under the supervision of a faculty member.

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

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

GEY 4941 LONG-TERM CARE PRACTICUM (3)
CR: GEY 4329. A supervised placement in an appropriate agency or assisting serving older people. The placement is part-time for the
purpose of introducing the student to a wide range of settings and services for the elderly.

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

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

GEY 5630 ECONOMICS AND AGING (3)
PR: CI. Examines basic economic systems as they impact the aged. Emphasis is on applied aspects of economic planning, pensions, insurance, social security, and other support systems.

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

GEY 5645 MID-LIFE DEVELOPMENT (3)
PR: CI. The life space of middle age is explored through an examination of the physical, social, and psychological forces which influence this period of the human life span.

HISTORY

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

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

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

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

AMH 3120 THE AMERICAN REVOLUTIONARY ERA (4)
Emphasis on the causes of the American revolution, the nature of Constitution-making, and the establishment of the federal system. Also examines the significance of loyalty, violence, and slavery in American society from 1750-1789.

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

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

AMH 3420 THE CIVIL WAR AND RECONSTRUCTION (4)
An examination of political, social, and economic climate of the 1850's that led to the American Civil War. The course does focus upon the war itself in its military, diplomatic, and political consequences through the end of the Reconstruction (1877).

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

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

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

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

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

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

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

AMH 3460 AMERICAN URBAN HISTORY (4)
A study of American cities from the colonial period to the present. Through an examination of economic, political, social and physical developments, the course traces both the opportunities and problems presented by urban life.

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

AMH 3510 U.S. DIPLOMATIC HISTORY TO 1898 -6A (3)
The development of American Foreign Relations in the Agricultural era.

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

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

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

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

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

AMH 3562 AMERICAN WOMEN II (4)
A study of women in the evolution of American society from 1877 to the present. Women's roles in the family, economy, politics, immigration, war, and reform movements will be examined. (May also be taken for credit in Women's Studies.)
AMH 3800 HISTORY OF CANADA
A study of Canadian experience from its French origins through the British conquest to its present multi-racial character. Attention will also be given to the forces of nationalism, imperialism, and regionalism.

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

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

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

An introductory survey of ancient history. EUH 2101 treats the ancient Near East and Greece from the origins of civilization to the full development of the Hellenistic kingdoms prior to conflict with Rome. EUH 2102 deals with Rome through the Regal, Republican, and Imperial periods, from the beginnings of civilization in Italy to the division of the Roman Empire, A.D. 395.

EUH 2021, 2022 (formerly 2121, 2122) MEDIEVAL HISTORY I, II
A thematic survey of the Middle Ages. EUH 2121 deals with the nascent, Christian civilization of Europe, circa 300-1050 A.D.; EUH 2122 treats the mature medieval civilization of Europe, circa 1050-1500.

EUH 2030, 2031 (formerly 2200, 2201) MODERN EUROPEAN HISTORY I, II
A thematic survey of Europe in the modern age. EUH 2200 treats the period from the Renaissance to the French Revolution; EUH 2201, from the French Revolution to the present.

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

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

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

EUH 3188 MEDIEVAL SOCIETY
A study of the daily life and attitudes of the medieval nobleman, peasant, townsman, and the agricultural economy and society which affected their lives.

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

EUH 3202 ABSOLUTISM AND ENLIGHTENMENT
A history of Europe from the beginning of the Thirty Years' War to the outbreak of the French Revolution. Political and intellectual developments will be assessed in the light of society and the economy.

EUH 3285 HISTORY OF NINETEENTH CENTURY EUROPE
A comparative study of major events in European, social, and intellectual developments in nineteenth century Europe.

EUH 3296 HISTORY OF TWENTIETH CENTURY EUROPE
A comparative study of economic, political, social, and intellectual developments in twentieth century Europe.

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

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

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

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

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

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

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

EUH 3501 BRITISH HISTORY TO 1688
A study of major developments in British history from the 15th century to 1688.

EUH 3502 BRITISH HISTORY 1688 TO PRESENT
A study of the major themes of British history since the Glorious Revolution including social, political, and economic developments leading to the creation of the modern democratic welfare state.

EUH 3538 BRITISH EMPIRE AND COMMONWEALTH
A study of the development of the British Empire from the age of initial expansion overseas to the creation of the multinational commonwealth. Included are examinations of theory and myth of colonialism as well as the literature of imperialism.

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

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

HIS 3474 (Formerly 3461) SCIENCE AND CIVILIZATION - A
A thematic study of the interrelationship of science and society in modern history emphasizing the institutional forms, value structures, and social relations in science as they have developed from the scientific revolution to the present.

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

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

HIS 4153 ORAL HISTORY
A study of the craft and technique of Oral History. The course focuses on a number of historical studies which have utilized interviews as an instrument of historical research. Students will be expected to complete original field research.

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

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

HIS 4936 PRO-SEMINAR IN HISTORY
PR: CL. Advanced topics in the various fields of History. Emphasis on
HUS 3130 (Formerly 3021) SPAIN, PORTUGAL, AND IBERIAN EMPIRES
A study of peoples of the Iberian peninsula from the late medieval period to 1898. Emphasis falls on emergence of the Iberian states and the rise of the Spanish-Portuguese empires in the Western Hemisphere from 1492 to 1898.

HUS 3200 (Formerly 3022) MODERN LATIN AMERICA
A study of the emergence of the Latin American states. The course will examine developments in Latin America during the nineteenth and twentieth centuries. Special attention is given to the Third World character of the region.

HUS 3430 HISTORY OF MEXICO
Emphasis falls on the colonial political economy, social development, the wars of independence, development of the 19th century Mexican state and the Mexican revolution.

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

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

HUS 3600 HISTORY OF BRAZIL
Brazil from the 16th century to the present. Emphasis on the Portuguese conquest and settlement, emergence of the Empire and republic, the 20th century quest for modernity and leadership in Latin America.

WST 2270 REVOLUTIONS IN THE MODERN WORLD -6A
A comparative study of the major revolutions in world history. Emphasis is placed on the testing of various theories and models of the revolutionary process in the context of concrete historical examples.

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

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

WST 4309 THE FEMALE EXPERIENCE IN AMERICA
PR: WST 2010, or WST 2011, or CI. The female experience in America, in historical context, viewed through the writings of various classes, races, ethnic groups. Current research on American women by feminist historians. (May also be taken for credit in Women's Studies.)

WST 4310 FEMINISM IN AMERICA
PR: WST 2010, or WST 2011, or CI. Emergence of the women's movement in 19th century America: origins, theoretical and practical issues, relation to European feminism. Sources, issues, implications of 20th century feminism. (May also be taken for credit in Women's Studies.)

HUMAN SERVICES

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

HUS 3562 (Formerly HUS 3300) SOCIAL POLICY IN THE UNITED STATES
The impact of industrialization and urbanization on the individual and family. The changing roles of family, community, state, nation and current issues.

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

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

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

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

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

HUS 5505 MINORITY AGING
This course treats the general issues, concerns and problems relevant to researchers and practitioners in the field of minority aging. Available to both majors and non-majors.

INTERNATIONAL STUDIES

AREA STUDIES
These multidisciplinary area study courses are not open to students who have completed the same course in the same region. No credit for students who have completed the same course in the same region.

ASN 3030 THE MIDDLE EAST
EUS 3000 EUROPE
LAS 3001 LATIN AMERICA
AFA 4150 AFRICA AND THE UNITED STATES
An examination of the historical and current political, economic, and cultural relations between the United States and Africa. (Also offered under African and Afro-American Studies.)

ASN 3012 JAPAN TODAY
An introduction to modern Japan and its world role, drawing upon insights provided by the social and behavioral sciences. Emphasis is placed upon Japan's foreign relations.

ASN 3014 CHINA TODAY
A multidisciplinary study of contemporary (1949-present) China's political and economic development, foreign affairs, social system and culture.

EUS 3022 SOVIET UNION TODAY
A multidisciplinary study of Soviet life and Soviet citizen today and their impact on the role of the Soviet Union in the world.

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

INR 3141 INTERNATIONAL NUCLEAR POLICY
A study of nuclear issues (such as system development, proliferation, control, strategic policy and) as they relate to contemporary international politics.
IDS 4910 DIRECTED RESEARCH (1-4)
PR: OCT Program approval. To provide students with community related research experience in areas of specific interests. May be repeated up to 8 credit hours.

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

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

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

POLTICAL SCIENCE


CPO 3002 INTRODUCTION TO COMPARATIVE POLITICS (4)
Comparison and analysis of representative European and non-Western political systems.

CPO 4034 POLITICS OF THE DEVELOPING AREAS (4)
An analysis of the ideologies, governmental structures, and political processes of selected nations of the non-Western world.

CPO 4930 COMPARATIVE GOVERNMENT AND POLITICS OF SELECTED COUNTRIES OR AREAS (4)
Studies political systems with common elements. Structure, process, domestic and foreign politics, and regional roles are considered. May be repeated up to 12 credit hours as topics vary.

CPO 5934 SELECTED TOPICS IN COMPARATIVE POLITICS (4)
Studies specific substantive areas in comparative politics such as political economy or the politics of specific countries or regions. May be repeated for credit as topics vary.

IDS 3902 INTRODUCTION TO INTERNATIONAL RELATIONS (4)
Consists and analytical tools applied to events such as politics among nations, control of foreign policies, types of actors, war and peace.

IDS 3102 AMERICAN FOREIGN POLICY (4)
Analysis of the development and scope of United States foreign policy, emphasizing goals and objectives, policy formulation and implementation, themes and issues.

IDS 4035 INTERNATIONAL POLITICAL ECONOMY (4)
Analysis of the development and politics of the international economic system, focusing on questions of cooperation and conflict in trade, aid, and investment relationships.

IDS 4334 DEFENSE POLICY (4)
Analytic institutional factors contributing to formulation of defense policy and the impact of such policy on international relations.

IDS 4403 INTERNATIONAL LAW (4)
Examines essential components of the international legal system: recognition; succession; sea, air and space law, treaties, diplomats, International court of Justice; laws of war, etc. Introduces the student to legal reasoning as employed in the international context.

IDS 4502 INTERNATIONAL ORGANIZATIONS (4)
Study of the operations and structure of international organizations and effects on world politics; background and achievement of the UN; regional organizations and multi-national corporations.

IDS 5086 ISSUES IN INTERNATIONAL RELATIONS (4)
Explore specific topics and provides the student with an opportunity for indepth study of historical and contemporary problems in international politics. May be repeated for credit as topics vary.

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

POS 2112 STATE AND LOCAL GOVERNMENT AND POLITICS (3)
Analysis of the structure and function of state and local governments, of the social and political influences that shape them, and of the dynamics of their administrative processes.
POS 3142 INTRODUCTION TO URBAN POLITICS AND GOVERNMENT
Governmental and political structures and processes as they function in urban areas, with special focus on municipalities and locally based public services.

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

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

POS 3182 FLORIDA POLITICS AND GOVERNMENT
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 3273 PRACTICAL POLITICS
PR: POS 2041 or POS 3453 or CI. Coordinated scholarly and practical activity through class lecture and supervised field work in local political parties and election campaigns.

POS 3283 JUDICIAL PROCESS AND POLITICS
The organization, decision, and mechanical functioning of American court systems and the causes and consequences of judicial behavior from an empirical perspective.

POS 3453 POLITICAL PARTIES AND INTEREST GROUPS
Analysis and understanding of role, functions, structure, and composition of such, and their impact on American governmental institutions.

POS 3471 INTRODUCTION TO LAW AND POLITICS
Nature of law, legal process, relationship to political life of constitutional law, administrative law, the judicial process, and private law.

POS 3713 EMPIRICAL POLITICAL ANALYSIS
Fundamentals of empirical political inquiry: systematic data collection and quantitative analysis techniques. Laboratory exercises using the computer are required.

POS 3930 SELECTED TOPICS
Studies in Political Science with course content dependent upon student demand and instructor’s interest. May be repeated for up to 8 credits as topics vary.

POS 4165 COMMUNITY LEADERS AND POLITICS
Analysis of the roles and powers of mayors, city managers, council members, and interest and ethnic groups; distribution of community power.

POS 4204 POLITICAL BEHAVIOR, PUBLIC OPINION, AND ELECTIONS
Analysis of economic and socio-psychological factors influencing mass and elite political behavior; voting behavior, public opinion, and political activism.

POS 4413 THE AMERICAN PRESIDENCY
The presidency as a political institution; analysis of powers; legislative, administrative, political, and foreign policy leadership; crisis management and decisionmaking; White House staffing; limits on power.

POS 4424 THE AMERICAN CONGRESS
Organization, procedures, committee system, party leadership, relations with governmental and non-governmental organizations and agencies, oversight, decision-making processes, House/Senate comparisons.

POS 4614 CONSTITUTIONAL LAW I
PR: POS 2041. Leading social problems, principle institutions, and the scope of powers. Analysis of Supreme Court decisions, scholarly commentaries, and the writings of leading public figures.

POS 4624 CONSTITUTIONAL LAW II
PR: POS 2041. Analysis of Supreme Court decisions and scholarly commentaries on the constitutional rights of individuals.

POS 4693 WOMEN AND THE LAW
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 under Women’s Studies.)

POS 4905 INDEPENDENT STUDY
PR: 3.0 average in Political Science and CI. Specialized study determined by the student’s needs and interests. (S/U only.)

POS 4910 INDIVIDUAL RESEARCH
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 4936 SENIOR SEMINAR
PR: Senior standing and CI. An opportunity to work with others in a seminar format, exploring specialized topics.

POS 4941 FIELD WORK
PR: 3.0 average in Political Science and CI. Opportunity for students to obtain practical experience as aides to agencies of government and political parties.

POS 4970 HONOR THESIS
PR: Admission to Honor option. Writing of honor thesis under direction of faculty members.

POS 5094 ISSUES IN AMERICAN NATIONAL AND STATE GOVERNMENT
Selected topics of study in American government. May be repeated for credit as topics vary.

POS 5155 ISSUES IN URBAN GOVERNMENT AND POLITICS
Selected issues and topics in Urban Government and politics. May be repeated for credit as topics vary.

POS 5734 POLITICAL RESEARCH METHODS
A survey of methods, problems, and issues in political research and analysis for the advanced student.

POT 3063 INTRODUCTION TO POLITICAL THEORY
Examines various kinds of theory used in political science for understanding political life: normative theory, empirical theory, historicist theory, analytical theory, and critical theory.

POT 3073 CLASSICAL POLITICAL THEORY
Analysis of basic ideas of Plato, Aristotle, Cicero, St. Thomas, and other leading pre-modern political philosophers.

POT 4054 MODERN POLITICAL THEORY
Analysis of basic political ideas of Machiavelli, Hobbes, Locke, Rousseau, Burke, and other modern philosophers.

POT 4064 CONTEMPORARY POLITICAL THOUGHT
Examines political writings in the U.S. and responses to critical periods in history, beginning with the Founding, and culminating in recent contributions and understanding contemporary political problems and solutions.

PUP 4534 HOUSING AND GOVERNMENT
Analyses of political and administrative aspects of housing policy formation and delivery system; and the role of government in housing policy.

PUP 5607 PUBLIC POLICY AND HEALTH CARE
The study of health care policy as it relates to the policy process in the American setting.

URP 4050 CITY PLANNING AND COMMUNITY DEVELOPMENT
An introduction to the development, role, and components of city planning, and the political and actual policies of government in attempting to regulate or control urbanization.

URP 5131 IMPLEMENTATION MEASURES IN URBAN/REGIONAL PLANNING I
PR: URP 4050 or 6056. Basic legal concepts of land-use planning and implementation with the use of legal reference materials and academic works; zoning, subdivision regulation, public uses, and environmental issues. (Also offered under Public Administration.)

PSYCHOLOGY
CBH 4004 COMPARATIVE PSYCHOLOGY (3)
PR: PSY 3213 or CI. The study of the evolution of behavior, similarities,
and differences in capacities for environmental adjustment and for
behavio ral organization among important types of living beings.

CLP 3003 PSYCHOLOGY OF ADJUSTMENT (3)
Genetic, organic, and learned factors involved in the processes of
personal adjustment: applications of mental health principles to
everyday living. Not for major credit.

CLP 4143 ABNORMAL PSYCHOLOGY (3)
PR: PSY 3213 or CI. Descriptions, theoretical explanations, research
evidence, and treatment of maladaptive behavior.

CLP 4414 BEHAVIOR MODIFICATION (3)
PR: PSY 3213 and CI. Introduction to behavior analysis, and applica-
tion of learning principles, behavioral measurement, research designs,
and interventions in treatment settings.

CLP 4433 PSYCHOLOGICAL ASSESSMENT (3)
PR: PSY 3213. A consideration of the instruments for intellectual and
personality assessment including their applications, development, and
potential abuses. Students may not receive credit for both CLP 4433,
and EDF 3430.

DEP 3103 CHILD PSYCHOLOGY (3)
Developmental and psychosocial aspects of childhood, including
hereditary, maturational, psychological, and social determinants of
child behavior. Not for major credit.

DEP 4432 DEVELOPMENTAL PSYCHOLOGY (3)
PR: PSY 3213 or CI. Survey of methods, empirical findings, and
theoretical interpretations in the study of human and animal devel-
-opment.

EXP 4104 SENSORY PROCESSES (3)
PR: PSY 3213 or CI. Available to both majors and non-majors. Psy-
chophysical and neurophysiological data and theory underlying sen-
sory processes. Visual, auditory, chemical, and somatosensory sys-
tems, with particular emphasis on visual processes.

EXP 4204 PERCEPTION (3)
PR: PSY 3213 or CI. How man perceives his environment. Topics
include sensory basis of perception, physical correlates of perceptual
phenomena, and the effects of individual and social factors on
perception.

EXP 4304 MOTIVATION (3)
PR: PSY 3213 or CI. An examination of human and animal motiva-
tions from both physiological and psychological viewpoints.

EXP 4404 PSYCHOLOGY OF LEARNING (3)
PR: PSY 3213 or CI. Survey of methods, empirical findings, and
theoretical interpretations in conditioning and instrumental learning.

EXP 4523 HUMAN MEMORY (3)
PR: PSY 3213 or CI. Selection of methods, empirical finding, and theo-
retical interpretations of human learning, information processing,
and verbal learning.

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

INP 4004 INDUSTRIAL PSYCHOLOGY (3)
PR: PSY 3213 or CI. Applications of psychological principles to indus-
try. Topics include: selection, training, motivation, job satisfaction,
supervision, decision-making.

PPE 4004 PERSONALITY (3)
PR: PSY 3213 or CI. Methods and findings of personality theories and
an evaluation of constitutional, biosocial, and psychological determi-
-nants of personality.

PSB 4013 NEUROPSYCHOLOGY (3)
PR: PSY 3213 or CI. Gross neural and physiological components of
behavior. Structure and function of the central nervous system as
related to emotion, motivation, learning, and theory of brain functions.

PSY 3013 GENERAL PSYCHOLOGY (3)
PR: PSY 3212 or CI. Designed as an in-depth examination of the basic
principles and concepts of psychology. Extensive coverage will be given
to the areas of learning, perception, and neuropsychology. Two lec-
tures, one discussion/lab.

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

PSY 3213 RESEARCH METHODS IN PSYCHOLOGY (4)
PR: PSY 3013 or CI. This course considers the logic of experimental
design, concept of control and the analysis of experimentally obtained
data. The laboratory section provides experience applying the concepts
discussed in lecture. Two lectures plus two-hour lab.

PSY 4205 EXPERIMENTAL DESIGN AND ANALYSIS (3)
PR: PSY 3213. Detailed coverage of those research designs and statis-
tical techniques having the greatest utility for research problems in
psychology. Emphasis on topics from analysis to variance.

PSY 4604 SYSTEMATIC PSYCHOLOGY (3)
PR: PSY 3213 or CI. The historical roots of modern psychological
theories, investigation of the various schools of psychology such as
behaviorism, Gestalt psychology, psychoanalysis, and phenomenolog-
ical psychology.

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

PSY 4931 SELECTED TOPICS: SEMINAR (3)
PR: Upper division standing and CI. Graduate-type seminar designed to
provide the advanced undergraduate student with an in-depth
understanding of a selected sub-area within psychology. May be
repeated with a maximum of six hours credit.

PSY 4932 HONORS SEMINAR (3)
PR: Admission to honors program in psychology and CI. Graduate-
type seminar designed to provide the honors student with an opportu-
-nity to present, discuss, and defend his own research and to explore
in-depths topics in several areas of psychology. May be repeated with
a maximum of nine hours credit.

PSY 4970 HONORS THESIS (3)
PR: Admission to honors program in psychology and CI. The student
under supervision of a faculty member will formalize, conduct, analyze,
and report in writing a research project in psychology.

SOP 3742 PSYCHOLOGY OF WOMEN (3)
An examination of theories of female personality in historical perspec-
tive. Current research on sex differences, socialization, sexuality,
psychology of reproduction. Emerging roles of women as related to
social change and developmental tasks of the life cycle. (Also offered
under Women's Studies.)

SOP 4004 SOCIAL PSYCHOLOGY (3)
PR: PSY 3213 or CI. Survey of methods, empirical findings, and
theoretical interpretations in the study of an individual's behavior as it
is affected by others.

SOP 4714C ENVIRONMENTAL PSYCHOLOGY (3)
PR: PSY 3012 or PSY 3013 or CI. Explores the influences of environ-
ment or behavior. Topics considered include crowding, privacy, terri-
torial behavior, environmental design, and pollution effects. Designed
for both psychology majors and non-majors.

PUBLIC ADMINISTRATION

Director: D.C. Menzel; Professor: J. E. Jreisat, D.C. Menzel; Associate
Professors: F.W. Swierczek; Assistant Professor: P.T. Paluch, N.M. Ric-
cucci; Courtesy Faculty: Associate Professor: J.C. Renick.

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

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

PAD 5035 ISSUES IN PUBLIC ADMINISTRATION
AND PUBLIC POLICY (3)
Selected issues and topics in Public Administration and Public Policy.
May be repeated for credit as topics vary.
198 COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

PAD 5333 CONCEPTS AND ISSUES IN PUBLIC PLANNING (3)
PR: URP 4050 or URP 6056. Analysis of basic concepts, issues, and strategies of planning; policy determination, collection of information, and decision-making.

PAD 5605 ADMINISTRATIVE LAW (3)
An examination of the constitutional and statutory bases and limitations of the administrative process, administrative adjudication, rule making, and the judicial review of such actions.

PAD 5612 ADMINISTRATIVE REGULATION (3)
Analysis of the regulatory functions and processes in the American political system: regulatory commissions, their functions, powers, management, reforms, and relationship with other branches of government.

PAD 5807 ADMINISTRATION OF URBAN AFFAIRS (3)
Analysis of the role of the administrator at the municipal level: the division of functions; policy formation; alternative governmental structures; effects on the administrative process.

PAD 5836 COMPARATIVE PUBLIC ADMINISTRATION (3)
How organizations and managers perform within a particular environment, potential impact of innovation, and how service is accomplished in a variety of socio-economic environments.

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

EGC 5065 REHABILITATION: CONCEPTS AND THEORETICAL ISSUES (4)
An introduction to the rehabilitation process in the public and private sector. An integration of concepts and procedures from the medical, socio-psychological, and human service disciplines.

EGC 5376 MEDICAL ASPECTS OF DISABILITY (4)
A survey of medical conditions and disabilities encountered by rehabilitation counselors. Examines the relationship of client handicaps to rehabilitation programming.

EGC 5493 SEMINAR IN PRINCIPLES AND PRACTICES OF REHABILITATION COUNSELING I (3)
PR: CI. Counseling and case management procedures appropriate to the rehabilitation process. Must be taken concurrently with EGC 5850. (S/U only.)

EGC 5494 THEORETICAL ISSUES IN APPLIED ALCOHOL ABUSE IN REHABILITATION COUNSELING (4)
PR: CI. An informational approach to alcohol abuse. Explores the extent and rate of alcoholism in the United States, causes of alcoholism, the interaction of alcoholism, psychosocial aspects, legal aspects, and treatment.

EGC 5725 INTERPERSONAL ASPECTS OF REHABILITATION COUNSELING I (4)
PR: CI. Focuses on the utilization of one's self in the counseling relationship. Emphasis is on the experiential exploration and development of interpersonal skills.

EGC 5850 PRACTICUM I (1)
PR: CI. Supervised experience and participation in counseling in a variety of rehabilitation settings. Must be taken concurrently with EGC 5943. (S/U only.)

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

SOCIAL SCIENCES (INTERDISCIPLINARY)


SSI 4162 THE CITY AND URBANIZATION (3)
An interdisciplinary perspective will be used to analyze the emergence of the city and the urban revolution. Urban planning and government will be examined in looking at how urban areas deal with social and physical problem.

SSI 4164 URBAN SOCIAL ISSUES: AN INTERDISCIPLINARY APPROACH (3)
This course is designed to examine current social issues from an interdisciplinary perspective. Topic selection will be within the broad framework of technological changes, economic conditions, political ideologies, and their impact on changing social patterns.

SSI 5934 SELECTED TOPICS (1-3)
PR: CI plus senior standing or graduate status. Interdisciplinary studies with course content dependent on student demand and instructor's interest. May be repeated as topics vary.

STA 3122 SOCIAL SCIENCE STATISTICS -6A (3)
A study of statistical terms and methods to provide students with the skills necessary to use statistics in research, and to understand their use in professional social science journals.

SOCIAL WORK
Chairperson: P. L. Smith; Professor: G. M. St. L. O'Brien; Associate Professors: T. Howard, W. S. Hutchinson, Jr., F. C. Johnson, B. Yegidis Lewis, J. C. Renick, P. L. Smith; Assistant Professors: R. Martin, R. L. White, R. Wilson; Visiting Faculty: E. Breit, V. Vasey; Instructor: A. J. Floyd; Courtesy Faculty: Professor: J. I. Kosberg; Associate Professor: D. Boone; Instructor: L. Middleton.

SOW 3101 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I (3)
PR: All pre-core courses and SOW 3203. Restricted to Social Work majors, others by Department permission. An integrating human behavior-social environment course emphasizing dynamics of behavior and environment factors as they relate to social work practice with individuals, and families and groups.

SOW 3102 HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II (3)
PR: SOW 3101. Restricted to Social Work majors; others by Department permission. An integrating course emphasizing dynamics of behavior and environment factors as they relate to social work practice with organizations and communities.

SOW 3203 INTRODUCTION TO SOCIAL WELFARE AND SOCIAL WORK (4)
An introductory course tracing the development of the American social welfare system and the development of social work as a major profession within that system.

SOW 3403 RESEARCH AND STATISTICS FOR SOCIAL WORK (4)
PR: All pre-core courses and SOW 3203. Restricted to Social Work majors, others by Department permission. The purpose of this course is to familiarize the student with research as it is practiced in the profession of Social Work; and to equip the student with the skills to critically analyze social work research.

SOW 4233 SOCIAL WELFARE: POLICY & PROGRAM (4)
PR: All pre-core courses and SOW 3203. Restricted to Social Work majors, others by Department permission. An advanced policy course taking an analytical approach to contemporary social welfare policy issues and current social welfare programs.

SOW 4242 CHILD WELFARE: PROGRAMS AND ISSUES (3)
Restricted to Social Work majors; others by Department permission. Presents organizational, program, and current policy issues related to public child welfare service provision.

SOW 4341 MULTI-METHODS OF SOCIAL WORK PRACTICE I: MICRO-SYSTEM INTERVENTION (5)
PR or CR: SOW 3101; SOW 3403. Restricted to Social Work majors; others by Department permission. Practice course emphasizing development of skills from practicum knowledge. Intervenive methods with individuals, families and small groups. Some agency field work required.

**SOW 3434 MULTI-METHODS OF SOCIAL WORK PRACTICE II: MACRO-SYSTEM INTERVENTION**

PR: All pre-core courses, SOW 4341, SOW 4233, and SOW 3102 may be taken as PR or CR. Restricted to Social Work majors, others by Department permission. Second practice course emphasizing intervention at the community and organizational level. Builds upon theoretical and practical content of SOW 3431. Some agency field work required.

**SOW 3555 INTERVENTIVE METHODS FOR CHILD WELFARE**

Restricted to Social Work majors, others by Departmental permission. This course provides knowledge for assessing and skill development for intervening in child welfare situations.

**SOW 4361 SENIOR SEMINAR**

PR: All pre-core courses; all core Social Work courses, except that SOW 4510 may be taken as CR. This course is the final course taken in the BSW curriculum. It is restricted to Social Work majors in their final stages of the senior year. The course serves as a means for assisting the student in synthesizing and integrating his/her learning experiences in the BSW program.

**SOW 4510 FIELD PLACEMENT**

PR: Completion of all social work core courses except SOW 4361. Restricted to social work majors in Senior year. Supervised field placement in a social welfare organization consisting of 35 hours per week in the field and 3 hours per week in an integrated practice seminar which constitutes the third and final course in the practice sequence.

**SOW 4900 DIRECTED READINGS**

PR: Completion of four social work courses including SOW 3403, upper division standing, and Department permission. Content dependent upon student interest and ability. A contract will be jointly developed by student and instructor specifying nature of work to be completed and approved by Program Chairperson. May be repeated up to 6 credit hours.

**SOW 4930 VARIABLE TOPICS IN SOCIAL WORK**

Restricted to Social Work majors; others by Department permission. Variable title courses to expand on the four sequence areas in the Social Work core curriculum. Allows focus on areas relevant to student’s educational interest.

**SOW 5930 SELECTED TOPICS IN SOCIAL WORK**

Restricted to Social Work majors, both graduate and undergraduate; others by Department permission. Course is taken as an elective. Variable title courses will selectively expand specific social work content areas. May be repeated in varying topic areas.

**SOCIOMETRY**


**SYA 3010 FOUNDATIONS OF THEORY**

PR: SYA 3010. Consideration of selected theories in sociology and procedures of systematic theory construction.

**SYA 3300 SOCIAL INVESTIGATION**

PR: SYA 3000, STA 3122. Methods and techniques of social research. Design of sociological studies, collection of data, and interpretation of results.

**SYA 3503 COMMENTARY FILM MAKING IN THE SOCIAL SCIENCES**

PR: Major in the College of Social and Behavioral Sciences and CR 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 cassette) in the documentary film. Ethics of film making.

**SYA 3504 LABORATORY WORK IN COMMENTARY FILM MAKING IN THE SOCIAL SCIENCES**

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

**SYA 4430 COMPUTERS IN SOCIOLOGICAL RESEARCH**

PR: COC 3300 and STA 3122 or equivalent. Introduction to the uses of computers in sociological research. Major emphasis is upon the use of statistical packages (primarily SPSS) in data analysis.

**SYA 4910 INDIVIDUAL RESEARCH**

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

**SYA 4930 TOPICS IN SOCIOLOGY**

PR: 12 semester hours of Sociology and prior CR. May be repeated for credit. See class schedule for content.

**SYA 4935 SENIOR SEMINAR**

For seniors majoring in sociology or other social sciences. Major issues in sociology, stressing theory and research.

**SYA 5949 SOCIOLOGICAL INTERNSHIP**

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

**SYD 3700 RACIAL AND ETHNIC RELATIONS**

PR: SYG 2000 or CR. Comparative study of interracial relations, social tensions, attitudes, and modes of adjustment in various areas of the world.

**SYD 4020 POPULATION**

PR: SYG 2000 or upper division standing. Sociological determinants of fertility, mortality and migration; theories of population change.

**SYD 4410 URBAN SOCIOLOGY**

PR: SYG 2000 or CR; upper division standing. The social structure of the community in modern industrial societies. Analysis of community change.

**SYD 4441 COMPARATIVE RURAL SOCIOLOGY**

PR: SYG 2000 or CR. The study of rural life in the United States; compares the situation in the United States with that of other societies as well as other times in history; some aspects of rural peasant societies and experiments in rural community formation.

**SYG 4800 SOCIOLOGY OF SEX ROLES**

PR: SYG 2000; WST 2010 or 2011; or CR. Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (Also offered under Women’s Studies.)

**SYG 1010 CONTEMPORARY SOCIAL PROBLEMS**

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. (S/U only.)

**SYG 2000 INTRODUCTION TO SOCIOLOGY**

Nature and application of sociological concepts, theories, and methods; analysis of societies, associations and groups; social processes and social change.

**SYG 2004 CAREERS IN SOCIOLOGY**

(1)
PR: One course in Sociology. An examination of sociology as a career base and basis for general education. Employment opportunities, occupational skills taught in the several courses, and other useful aspects of sociology will be discussed. Descriptions 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.)

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

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

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

SYO 3500 SOCIAL ORGANIZATION
PR: SYG 2000 or CI. Social organization in the broadest sense, including institutions and associations, as well as variations in role and status.

SYO 3530 SOCIAL STRATIFICATION
PR: SYG 2000 or CI. Social status and social stratification, social class as a factor in behavior, social mobility.

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

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

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

SYO 5365 INDUSTRIAL SOCIOLOGY
PR: SYG 2000 or CI; upper division standing. Interaction, communication, and authority in economic organization; the factory as a social system.

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

SYP 4300 COLLECTIVE BEHAVIOR
PR: SYG 2000 or CI; upper division standing. Study of the development of group and mass behavior—crowds, social movements.

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

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

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

SYP 4520 CRIMINOLOGY
PR: SYG 2000 or CI; upper division standing. Etiology of criminal behavior; law enforcement, crime in the United States, penology and prevention.

SYP 4530 JUVENILE DELICENCY
PR: SYG 2000 or CI; upper division standing. Theories of delinquency, patterns of delinquent behavior, methods of control and treatment.

SYP 4560 SOCIOLOGY OF THE ARTS
PR: SYG 2000 or CI; upper division standing. The creation, distribution and use of arts from a sociological perspective; the social roles involved.

SYP 4640 LEISURE IN SOCIETY

FACTS and trends of changing leisure-time patterns in the USA and other countries; various conceptualizations of leisure; relationships on non-work time to work attitudes, personality, family, community, subcultures, religion, value systems, social class, and the functions of government.

SYP 4650 SPORT IN SOCIETY
An examination of the broad issues concerning sport in both a historical and contemporary perspective. Sport will be viewed in relation to social institutions, economic considerations, mass media, and the sport culture as a micro-social system.

SYP 5035 SOCIOLOGY OF SMALL GROUPS
PR: SYG 2000 or CI; upper division standing. Theory of small group structure, mechanics of interaction, observation of small groups.

SYP 5055 SOCIAL INTERACTION
PR: SYG 3000 or CI; upper division standing. Interpersonal influence, complex behavior, role, conflict, and social situational factors.

SYP 5405 SOCIAL CHANGE
PR: SYG 2000 or CI; upper division standing. Major theories of social and cultural change, and mechanisms of change in various societies.

WOMEN'S STUDIES PROGRAM
Coordinator: J. Ochhorn; Professor: J. Ochhorn, J. H. Williams; Associate Professors: M. Myerson, J. B. Snook; Visiting Instructor: E. B. Breit.

AFA 4335 BLACK WOMEN IN AMERICA
PR: WST 2010, 2011, or AFA 2001, or CI. An interdisciplinary survey of the contemporary experience of black women in America, including the African roots, myths, and realities surrounding that experience. (Offered for credit in Women's Studies or African and Afro-American Studies.)

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

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

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

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

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

POS 4693 WOMEN AND LAW
Issues concerning the legal aspects of sex and sex-based discrimination as embodied in statutory and case law. Open to majors and non-majors. (May also be taken for credit in Political Science.)

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

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

SYD 4800 SOCIOLOGY OF SEX ROLES
PR: SYG 2000, WST 2010 or 2011; or CI. Historical and contemporary exploration of current issues relevant to sex roles in America. Emphasis on sex role differences, interpersonal relationships and institutional participation. (Also offered under Women's Studies.)
WST 2010 INTRODUCTION TO WOMEN'S STUDIES I (3)
Survey of major issues relevant to the female experience. The women's movement: historical, psychological, sociological, anthropological perspectives.

WST 2011 INTRODUCTION TO WOMEN'S STUDIES II (3)
Survey of major issues relevant to the female experience: marriage and the family, sexuality, work, creativity.

WST 3210 WOMEN IN WESTERN CIVILIZATION I (4)
Survey of women in the ancient Near East, ancient Greece, ancient Rome, early Middle Ages. Origins of Western attitudes toward sex roles, female sexuality, relation of power to gender. (May also be taken for credit in History.)

WST 3220 WOMEN IN WESTERN CIVILIZATION II (4)
Survey of European women from the late Middle Ages to the twentieth century: differing consequences of historical change for women and men. (May also be taken for credit in History.)

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

WST 3360 MEN AND SEXISM (4)
Ways in which sex role conditioning affects the lives of men. Factors in this conditioning, and alternatives to masculine sex role models.

WST 4309 THE FEMALE EXPERIENCE IN AMERICA (4)
PR: WST 2010, or WST 2011, or CI. The female experience in America, in historical context, viewed through the writings of women of various classes, races, ethnic groups. Current research on American women by feminist historians. (May also be taken for credit in History.)

WST 4310 FEMINISM IN AMERICA (4)
PR: WST 2010, or WST 2011, or CI. Emergence of the women's movement in 19th century America: origins, theoretical and practical issues, relation to European feminism. Sources, issues, implications of 20th century feminism. (May also be taken for credit in History.)

WST 4320 WOMAN'S BODY/ WOMAN'S MIND (4)
PR: WST 2010, or WST 2011, or CI. The influence of the health care system on the process which socializes people to traditional sex roles.

WST 4380 HUMAN SEXUAL BEHAVIOR (4)
The dynamics of human sexuality: biological, constitutional, cultural, and psychological aspects. The range of sexual behavior across groups. Sources of beliefs and attitudes about sex, including sex roles and especially female sexuality.

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

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

WST 4930 SELECTED TOPICS (1-4)
PR: WST 2010 or CI. Study in special areas such as Women Writers, Southern Women, Communications.

WST 4935 SEMINAR IN WOMEN'S STUDIES (3)
PR: WST 2010 or CI. In-depth study of research in one or more areas of topical interest to students and staff. Research involvement by students required.
UNIVERSITY OF SOUTH FLORIDA

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Faculty Assistant to the President .................... TBA
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Florida Mental Health Institute

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Deputy Director, Administration ....................... FRANCIS M. PARIS
Deputy Director, Programs ................................ MAX DERTKE

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Department of Child & Family Studies ............... L. ADLAI BOYD
Department of Community Mental Health .......... JEFFREY R. BEDELL
Department of Crime & Delinquency ................ JOSEPH H. EVANS
Department of Epidemiology & Policy Analysis .. ROBERT M. FRIEDMAN

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Office of Research & Evaluation ....................... PHILIP W. DRASH
Office of Training & Consultation ..................... PAUL D’ORONZIO

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Assistant Vice President ............................... BERNARD A. MACKEY
Associate Vice President .............................. JAMES B. HECK
Associate Vice President .............................. BARBARA R. SHERMAN
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Academic Administrator ............................... CATHY INGRAM
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Director, University Libraries ......................... MARY LOU HARKNESS
Director, Extension Library ........................... OSBORNE L. GOMEZ
Director, Florida Institute of Oceanography ....... WILLIAM W. BEHRENS, JR.
Director, International Affairs ........................ MARK T. ORR
Director, International Exchange ...................... HAROLD L. SHEPPARD
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Associate Registrar ...................................... RICHARD L. YOUNT

College of Business Administration

Dean .......................................................... ROBERT G. COX
Associate Dean and Director of Graduate Studies . CHARLES A. MCINTOSH, JR.
Associate Dean and Director of Undergraduate Studies . MELVIN T. STITH
Coordinator of Undergraduate Advising ............. MELVIN T. STITH
Director of Executive MBA ............................ CHARLES A. MCINTOSH, JR.
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Graduate Programs Career Counseling ................. WILLIAM F. JOHNSON

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Finance .................................................... PETER KARES
Information Systems/ Decision Sciences .............. JOHN S. HODGSON
Management ................................................ KENNETH R. VAN VOORHIS
Marketing .................................................... THOMAS E. NESS

Directors:
Center for Economic and Management Services ...... JOSEPH S. DESALVO
Small Business Development Center .................. WILLIAM MANCK
Professional Development Center ..................... MARYANNE M. ROUSE
Center for Economic Education ....................... DICK J. PUGLISI
Center for Organizational Effectiveness .............. HAROLD M. SCHRODER
Institute For Banking and Finance .................... TBA
Development ............................................... RICHARD T. BOWERS

College of Education

Dean .......................................................... WILLIAM G. KATZENMEYER
Associate Dean for Programs ......................... A. EDWARD UPRICHARD
Associate Dean for Administration ................... H. EDWIN STEINER
Assistant Dean for Clinical Education and Special Projects ................ MARCIA L. MANN

Chairpersons:
Adult and Vocational Education ....................... RAYMOND HILL
Childhood/Language Arts/Reading Education .......... LEON GREABELL
Content Specializations ................................ JOHN BULLOCK
Counselor Education .................................... VICTOR DRAPELA
Educational Leadership ................................ DONALD ORLOSKY
Evaluational Measurement and Research ............. JOSEPH MAZUR
Library, Media and Information Studies .............. JOHN MCCROSSAN
Music Education ......................................... VANCE JENNINGS
Physical Education ...................................... HUBERT HOFFMAN
Psychological and Social Foundations ................ JAMES C. DICKINSON
Special Education ........................................ AUGUST J. MAUSER

Directors:
Center for Economic Education ....................... DICK J. PUGLISI
Children’s Center ......................................... JAMES W. BARNARD
Clinical Education ........................................ MARCIA L. MANN
Florida Center for Instructional Computing ........ ANDRIA TROUTMAN
Graduate Studies ......................................... A. EDWARD UPRICHARD
Grants and Contracts ................................... JOELLEN V. PEREZ
## College of Engineering

**Dean**
- GLENN A. BURDICK

**Associate Dean**
- LINUS A. SCOTT

**Associate Dean for Research**
- THOMAS E. WADE

**Associate Dean for Computing**
- J. ANTHONY LLEWELLYN

**Assistant Dean for Special Projects**
- ANDREW J. BARRETT

### Chairpersons:

- Chemical and Mechanical (Acting): J. C. BUSOT
- Civil Engineering and Mechanics: MELVIN W. ANDERSON
- Computer Science and Engineering: MICHAEL G. KOVAC
- Electrical Engineering: MICHAEL G. KOVAC
- Industrial and Management Systems Engineering: G. KEMBLE BENNETT

### Directors:

- Technology (Acting): DOLORES K. GOODING
- CE'DAR: MICHAEL G. KOVAC
- STAC: MICHELE YOUNG

### Coordinator of Advising
- GEORGE R. CARD

## College of Fine Arts

**Dean**
- AUGUST L. FREUNDLICH

**Associate Dean**
- JOHN W. COKER

**Assistant Dean/Coordinator of Advising**
- JOHN L. SMITH

### Chairpersons:

- Art: Acting Chair ALAN EAKER
- Dance: LAWRENCE BERGER
- Music: Acting Chair VANCE JENNINGS
- Theatre: Chair NANCY COLE

### Director:

- Fine Arts Management and Events: CRAIG HANKENSON

- Associate Director: LLOYD BRAY

## College of Medicine

**Dean of College of Medicine**
- ANDOR SZENTIVANYI

**Deputy Dean of College of Medicine**
- JAMES A. HALLOCK

**Deputy Dean for Faculty Relations**
- JACK W. HICKMAN

**Associate Dean for Admissions**
- JULIAN J. DWORNIK

**Associate Dean for Continuing Medical Education**
- PIERRE J. BOUS

**Associate Dean for Extramural Affairs**
- JANIFER JUDISCH

**Associate Dean for Fiscal Planning and Management**
- GREGORY NICOLOSI

**Associate Dean for Research and Graduate Affairs**
- JAMES B. POLSON

**Associate Dean Student Affairs**
- ALAN I. LEIBOWITZ

**Associate Dean for VA Affairs**
- JOHN T. RIGGIN

### Chairpersons:

- Anatomy: JOHANNES A. G. RHODIN
- Anesthesiology: RICHARD S. HODES
- Biochemistry: JOSEPH G. CORY
- Comprehensive Medicine: WILLIAM A. SODEMAN, JR.
- Family Medicine: CHARLES E. AUERBACH
- Internal Medicine: ROY H. BEIRNE
- Medical Microbiology: HERMAN FRIEDMAN
- Neurology (Acting): LEON PROCKOP
- Obstetrics and Gynecology: JAMES M. INGRAM
- Ophthalmology: WILLIAM E. LAYDEN
- Orthopedic Surgery: PHILLIP SPIEGEL
- Pathology: DAVID T. ROWLANDS
- Pediatrics: LEWIS A. BARNES
- Pharmacology & Therapeutics: ANDREJ S. STIVIVANYI
- Physiology: CARLTON H. BAKER
- Psychiatry & Behavioral Medicine: ANTHONY READING
- Radiology: MARTIN SILBERG
- Surgery: RICHARD A. CONNAR

### Directors:

- Laboratory Animal Medicine: LOUIS R. NELSON
- Medical Center Library (Acting): MAXINE M. GRIMES
- Suncoast Gerontology: ERIC PFIEFFER
- Public Affairs: NANCY FORD

## College of Natural Sciences

**Dean**
- LEON MANDELL

**Associate Dean for Graduate Affairs and Research**
- STEWART L. SWIHART

**Assistant Dean for Undergraduate Affairs**
- ROSEMARY M. MORLEY

### Chairpersons:

- Biology (Acting): DANIEL Y. LIM
- Chemistry: WILLIAM E. SWARTZ, JR.
- Geology: SAM B. UPCHURCH
- Marine Science: PETER R. BEITZER
- Mathematics: KENNETH L. POTHoven
- Physics: SWAMINATHA SUNDARAM

### Directors:

- Botanical Gardens: FREDERICK B. ESSIG
- Herbarium: RICHARD P. WUNDERLIN
- Medical Technology: EUGENE D. OLSEN
- Planetarium: JOE A. CARR
- Pre-Medical Advising Committee: CAROLE F. HENDRY
- ALBERT A. LATINA
- PATRICIA A. MARTINI
- JAMES D. RAY, JR.
- MELVIN JAMES

## College of Nursing

**Dean**
- GWENDOLINE R. MACDONALD

**Assistant Dean, Academic Affairs**
- JOAN GREGORY

**Director Undergraduate Program**
- BARBARA REDDING

**Director Graduate Program**
- TBA

**Director, Research**
- IMogene KING

**Director, Continuing Education**
- JEANNETTE SASMOR

**Director, Nursing Learning**
- Resource Center: NINA ENREKIN

## College of Public Health

**Dean**
- PETER J. LEVIN S.C.D.

**Assistant to the Dean**
- LOIS G. NIXON, PH.D.

**Assistant Dean for Students**
- RITA G. BRUCE, ED.D.

**Assistant Dean for Administration**
- JOHN H. SKINNER, ED.D.

## College of Social and Behavioral Sciences

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**Assistant Dean**
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**Acting Coordinator of Advising**
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Communicology ........................................... STEWART KINDZE
Criminal Justice .......................................... HAROLD VETTER
Economics .................................................. DONALD BELLANTE
Geography .................................................. ROBERT CLARK
Gerontology ............................................... THOMAS RICH
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Rehabilitation Counseling ............................... CALVİN PINKARD
Social Work .............................................. PHILIP SMITH
Sociology ................................................... MICHAEL KLEIMAN

Division Directors
Interdisciplinary Social Science ....................... KOFI GLOVER

Program Directors:
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Off-Campus Term ....................................... KEITH LUPTON

Coordinators:
International Studies .................................. HARVEY NELSEN
Women's Studies ........................................ JUDITH OCHSHORN

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Public Administration .................................. DONALD MENZEL

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Assistant to the Dean .................................... LARRY ROMIG

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Division of Conferences and Institutes .................. LEE LEAVENGOOD
Division of Lifelong Learning ............................. LEE LEAVENGOOD
Division of Special Degree Programs ..................... KEVIN KEARNEY
International Language Institute ....................... CAROL CARGILL-POWER
Weekend College Program ................................ RICHARD TAYLOR

Graduate School
Dean of the Graduate School and Coordinator of University Research ........ C. RIGGS
Associate Dean of the Graduate School .................. SARA M. DEATS
Assistant Dean of the Graduate School ................... JAMES C. RENICK
Acting Director, Sponsored Research .................... FRANK LUCARELLI
Fulbright Program Advisor ................................ SILVIA R. FIORE
Chair, USF Press Editorial Board ........................ SILVIA R. FIORE

Undergraduate Studies
Dean .......................................................... WILLIAM H. SCHEUERLE
Director, Academic Advising ............................. THERMA D. BENTON
Coordinator, Disabled Students Services ............... WILLIAM WEISKOPF
Coordinator, Project Thrust ............................... RUSS CAMPBELL
Coordinator, Special Services (Acting) .................. MACK DAVIS
Director, Community College Relations .................. GREGORY PADGETT
Director, Career Resource Center ....................... FRANK H. SPAIN
Director, Evaluation and Testing ........................... HARRIET SELIGSOHN
Director, Honors Program ................................ DAVID P. SCHENCK
Military Science/ROTC ..................................... L. H. C. TURBIVILLE
Army ROTC .................................................. L. C. JOHN LA ROCH

USF at Fort Myers
Campus Dean .............................................. LINDA LOPEZ MALISTER
Associate Dean/Academic Affairs ....................... TBA
Director, Administration and Finance ................... GLENN E. NITSCHKE
Director, Student Affairs ................................ DAVID C. JORDAN
Director, ECC/USF Learning Resources ................... CHARLES RITCHIE
Director, University Relations and Development ........ JAMES HOF

USF at Sarasota
Campus Dean .............................................. ROBERT V. BARYLSKI
Associate Dean .......................................... PAUL E. MCGLENDON
Business Manager ......................................... BERNADINE LUNDSTROM
Campus Librarian ......................................... ALTHEA H. JENKINS
Director, Bi-County Center for Engineering ............ HORACE C. GORDON, JR.
Director of Physical Plant ................................ THOMAS J. PENN
Director, Public Affairs .................................. FRUMAN C. ARTHUR
Director of Records & Registration ...................... NANCY E. FERRARO
Director of Student Affairs ............................... WILLIAM G. KLINE

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Provost ..................................................... ROBERT R. BENEDETTI
Special Administrator for Academic Affairs ............. JAMES W. FEENEY
Director, New College Admissions ....................... ROBERT H. THORNTON

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Humanities ................................................. JAMES G. MOSELEY, JR.
Natural Sciences ......................................... PETER A. KAZAKS
Social Sciences .......................................... LASZLO DEMA

USF at St. Petersburg
Campus Dean ............................................... JOHN HINZ
Associate Dean, Academic Affairs ......................... WILLIAM GARRETT
Director, Administration and Finance ..................... HERMAN J. BRAMES
Director, Student Affairs ................................ STEPHEN RITCHIE
Director, Poynter Library ................................ SAM FUSTUKJIAN

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Director, Space Utilization and Analysis .................. LILLIAN C. HOLTZMAN
University Comptroller .................................. ERIC L. WALDEN
Director, Environmental Health and Safety ................. SELDON L. CARSEY
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Director, Institutional Research ........................ SUSAN MITCHEL
Director, University Computer Services .................. CHARLES E. FISHER
Director, Operations Analysis ............................ LYNDA BLOCK HILL
<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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<tbody>
<tr>
<td>Director, Equal Opportunity Affairs</td>
<td>Loretta B. Anderson</td>
</tr>
<tr>
<td>Director, Human Resource Development</td>
<td>Cynthia A. Mullen</td>
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<tr>
<td>Director, University Personnel Services</td>
<td>Trudie E. Frecker</td>
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<tr>
<td>Director, Labor Management Relations</td>
<td>Roland E. Carrington</td>
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<tr>
<td>Director, Telecommunications</td>
<td>TBA</td>
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<tr>
<td>Coordinator, Office Automation</td>
<td>Linda Lydic</td>
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<tr>
<td><strong>Office of the General Counsel</strong></td>
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<tr>
<td>General Counsel</td>
<td>Bryan S. Burgess</td>
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<tr>
<td>Senior Counsel</td>
<td>Carla Jimenez</td>
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<tr>
<td>Assistant General Counsel</td>
<td>Debra A. King</td>
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<td>Assistant General Counsel</td>
<td>Jeffrey A. Muir</td>
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<tr>
<td><strong>Student Affairs</strong></td>
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<tr>
<td>Vice President</td>
<td>Daniel R. Walbolt</td>
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<tr>
<td>Associate Vice President and Dean of Students</td>
<td>Charles F. Hewitt</td>
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<td>Associate Vice President, Housing &amp; Auxiliary Services</td>
<td>Raymond C. King</td>
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<tr>
<td>Assistant Vice President, Intercollegiate Athletics</td>
<td>John W. Wadas</td>
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<td>Assistants to the Vice President</td>
<td>Troy L. Collier</td>
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<tr>
<td>Associate Dean of Students</td>
<td>David W. Persky</td>
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<tr>
<td>Director, Admissions</td>
<td>Linda Erickson</td>
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<td>Director, Counseling Center for Human</td>
<td>William Anton</td>
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<td>Director, Recreationals Sports</td>
<td>Andrew Honker</td>
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<td>Director, Student Health Services</td>
<td>Maria Anderson</td>
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<td>Director of Financial Aids</td>
<td>Jack Agett</td>
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<td>Director, Student Publications</td>
<td>Leo Stalnaker</td>
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<td>Phyllis Marshall</td>
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<td>Director, USF Golf Course</td>
<td>Robert Shiver</td>
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<td><strong>University Relations</strong></td>
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<td>Vice President</td>
<td>Joseph F. Busta, Jr.</td>
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<tr>
<td>Assistant Vice President</td>
<td>Daniel C. Holshenbeck</td>
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<td>Director, Alumni Affairs</td>
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<td>Ann M. Ross</td>
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<td>Director, University Development</td>
<td>Donald B. Swegan</td>
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<td>Director, Governmental Relations</td>
<td>Barbara A. Blue</td>
</tr>
<tr>
<td>Director, Media Relations and Publications</td>
<td>Robert Allen</td>
</tr>
</tbody>
</table>
All members of the University of South Florida faculty and professional staff, including teaching, research, administrative and professional personnel are listed below in alphabetical order. The listing includes name, current rank and field, first year of continuous appointment to any position in the institution, degrees, and institution and year of terminal degree, as of August 12, 1984. (A semicolon between degrees indicates different institutions.)

ABRAM, JACQUES ......................... Professor (Music), 1963
Diploma with Distinction, Julliard School of Music, 1938
AICHENBACH, KARL E. ..................... Assistant Professor (Psychiatry), 1979
B.A.; Ph.D., University of Florida, 1966
ACKERMAN, DORIS J. ........................ University Librarian (Libraries), 1969
B.A.; M.L.S., Rutgers, 1969
ACKERMAN, JOHN R. .......................... Professor (Surgery), 1983 (Part time)
M.B., C.H.B., M.D., University of Cape Town, South Africa, 1965
ADAIR, W. LEE, JR. ......................... Associate Professor (Biochemistry), 1975
Sc.B.; Ph.D., Georgetown University, 1972
AGGET, JOHN A. ..................... Director (Financial Aids, Student Affairs), 1980
B.A.; M.S., State University of New York at Albany, 1967
AGRESTI, DAVID L. .......................... Assistant Professor (Criminal Justice), 1973
B.A.; M.S.W.; Ed.D., Nova University, 1980
AHMAD, IBRAHIM A. .......................... Associate Professor (Mathematics), 1983
B.Sc.; M.Sc., Ph.D., Florida State University, 1973
AHRENS, VICKI W. ............................ Student Affairs Coordinator
(Entrance Standards, Student Affairs), 1974
ABERS, BRADLEY G. .......................... Associate Professor (Music-SYCOM), 1978
ALBERTINE, KURT H. ........................ Assistant Professor (Anatomy), 1983
B.A.; Ph.D., Loyola University of Chicago, 1979
ALBERTS, W. MICHAEL. .................... Assistant Professor (Internal Medicine), 1983
B.A.; M.D., University of Illinois, 1977
ALBERTSON, HELEN D. ...................... Instructor - Librarian (Libraries), 1982
St. Petersburg Campus
B.A.; M.A., Ph.D., University of Miami, Florida, 1980
ALEXANDER, LUella K. ...................... 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
ALEXIou, NICHOLAS G. ........................ Assistant Professor (Comprehensive Medicine), 1979
A.B.; M.P.H.; M.D., University of Vermont, 1955
ALLEN, HAROLD C. ............................. Associate Professor (Management), 1967
B.A.; M.B.A.; Ph.D., University of Florida, 1969
ALLEN, LOIS P. .............................. Assistant in (Diabetes Center), 1980
B.S., M.S., Florida State University, 1975
ALLEN, NOLA A. .............................. Associate Professor (Afro-American Studies), 1979
B.A., LL.B.; J.D.; M.A., Ph.D., University of Notre Dame, 1979
ALLYN, JANET F. .............................. Coordinator (College Administration, Education), 1977
B.A.; M.A., University of South Florida, 1974
ALTUS, PHILIP .......................... Associate Professor (Internal Medicine), 1971
A.B.; M.D., State University of New York. Upstate Medical Center, 1971
ALVAREZ, MARVIN R. .......................... Professor (Biology), 1966
B.S., M.S., Ph.D., University of Florida, 1964
AMEN, MICHAEL M. ........................ Assistant Professor (Interdisciplinary Social Sciences), 1982
B.A.; M.A., Ph.D., University of Geneve, 1976
AMMONS, J. MICHAEL ....................... Research Associate (Electrical Engineering), 1980
B.A.; M.S., Ph.D., University of South Florida, 1980
ANDERSEN, PHILIP H. ......................... Assistant Professor (Surgery), 1983
B.S.; M.D., Marquette University, 1964
ANDERSON, DAVID E. ......................... Visiting Associate Professor (Psychiatry), 1981
B.A., M.A., Ph.D., University of Oregon, 1966
ANDERSON, DOUGLAS C. ...................... Student Affairs Coordinator (Financial Aids, Student Affairs), 1980
B.A., University of South Florida, 1973
ANDERSON, E. CHRISTIAN ..................... Professor (Psychological and Social Foundations Education), 1964
B.S., M.A., Ph.D., University of Michigan, 1964
ANDERSON, LORETTA B. ........................ Director, Equal Opportunity Affairs
(Employee Relations and Information Resources), 1985
B.S.; J.D., Howard University School of Law, 1975
ANDERSON, MARIA J. ........................ Director (Student Health Services, Student Affairs), 1978
M.D.; M.D., University of South Florida, 1983
ANDERSON, MELVIN W. ....................... Professor - Chairperson
(Civil Engineering and Mechanics), 1969
B.S., M.S.; Ph.D., North Texas State University, 1971
ANDERSON, SANDRA L. ....................... Instructor (Psychiatry), 1981
B.A.; M.E.D., Johns Hopkins University, 1979
ANDREWS, ANTHONY P. ....................... Assistant Professor (Anthropology), 1980
New College of USF, 1981 Sarasota Campus
B.A.; M.A., Ph.D., University of Arizona, 1980
ANGEL, JEFFREY L. .......................... Visiting Assistant Professor
(OBSTetrics and Gynecology), 1984
B.S.; M.D., University of South Florida, 1980
ANGROSINO, MICHAEL V. ..................... Professor (Anthropology), 1972
B.A.; Ph.D., University of North Carolina, 1972
ANKER, JAMES M. ......................... Associate Vice President (Provost's Office), 1974
Professor (Psychology), 1974
A.B., M.S.; Ph.D., Catholic University of America, 1957
ANTON, JOHN P. .......................... Professor (Philosophy) New College of USF, 1982
Sarasota Campus
B.S., M.A., Ph.D., Columbia University, 1954
ANTON, WILLIAM D. .......................... Director ( Counseling Center for
Human Development, Student Affairs), 1972
B.A.; M.A., Ph.D., University of South Florida, 1975
APPLEGATE, MINERVA L. ...................... Associate Professor (Nursing), 1976
B.S.N.; M.Ed., Ed.D., Columbia University Teachers College, 1980
ARCHER, CYNTHIA S. ....................... Instructor (Florida Mental Health Institute), 1981
B.A., M.A., University of South Florida, 1975
ARENDASH, GARY W. ......................... Assistant Professor (Biology), 1981
B.S.; Ph.D., University of California, San Francisco, 1978
ARNADE, CHARLES W. ......................... Professor (Interdisciplinary Social Science), 1961
A.B., A.B., Ph.D., University of Florida, 1955
ARNADE, MARJORIE J. ....................... Instructor-Librarian
(Medical Center Library), 1983
B.S., M.A., University of South Florida, 1982
AROCHO, PEDRO .......................... Visiting Assistant Professor (Family Medicine), 1984
B.A.; M.D., New York Medical College, 1979
ARSENAULT, KATHLEEN H. .................. Associate University Librarian (Libraries), 1982 St. Petersburg Campus (Part time)
B.A., M.S. Simmons College, 1973
ARSENAULT, RAYMOND O. ................... Associate Professor (History), 1980
St. Petersburg Campus
B.A.; M.A., Ph.D., Brandeis University, 1980
ARTHUR, FURMAN C. ......................... Director (Information Services), 1975
Sarasota Campus, 1975
B.A., Bethany College, 1948
BENTLEY, MARY ANN M. .......... Lecturer (Theatre), 1975 (Part time)
B.A., University of South Florida, 1962
BENTON, J. EDWIN .......... Associate Professor (Political Science), 1979
B.A., M.A.; Ph.D., Florida State University, 1978
BENTON, THERMA D. .......... Director (Undergraduate Studies, Academic Affairs), 1969
B.S.; M.S.; Ph.D., Florida State University, 1981
BENVAY, ROBERT E. .......... Associate Professor (Anesthesiology), 1972
B.S., M.D., University of Miami, Florida, 1957
BERCU, BARRY B. .......... Professor (Pediatrics), 1984
B.S.; M.D., University of Maryland, 1969
BERGEN-LOSEE, LINDA .......... Assistant In (Internal Medicine), 1981
B.A., M.A., University of South Florida, 1976
BERGER, LAWRENCE D. .......... Professor-Chairperson (Dance, Fine Arts), 1981
Professional Graduate Diploma, The Juilliard School, 1963
BERGGREN, DOUGLAS C. ........... Professor (Humanities), 1984
New College of USF, 1975 Sarasota Campus
B.A.; M.A.; M.A., Ph.D., Yale University, 1959
BERKLEY, RICHARD J. .......... Assistant Professor (Physics), 1963
B.A., M.S., New Mexico Institute of Mining & Technology, 1955
BERMAN, LEONARD J. .......... Student Affairs Coordinator (Cooperative Education and Placement, Student Affairs), 1977
B.S.; M.S., New York University, 1953
BERNETT, ADELE S. .......... Associate University Comptroller (Finance and Accounting), 1981
B.A., University of South Florida, 1966
BESLEY, SCOTT .......... Assistant Professor (Finance), 1982
B.S., B.M.A., Florida State University, 1974
BETZ, JOHN V. .......... Associate Professor (Biology), 1963
B.S.; Ph.D., St. Bonaventure University, 1963
BETZER, PETER .......... Professor-Chairperson (Marine Science), 1971
St. Petersburg Campus
B.A.; Ph.D., University of Rhode Island, 1971
BEULIG, ALFRED, JR. .......... Associate Professor (Natural Sciences), 1979
New College of USF, 1975 Sarasota Campus
B.S., M.S.; Ph.D., City University of New York, 1974
BEVILACQUA, JEANETTE W. .......... Associate Professor (Nursing), 1977
B.S., B.A.; M.A.; E.Columbia University, 1977
BIEING, ROBERT F. .......... Director (Physical Plant), 1982
B.M.E.; M.S., State University College, Oswego, 1969
BIERSDORF, WILLIAM R. .......... Professor (Ophthalmology), 1978
B.S., M.S.; Ph.D., University of Wisconsin, 1954
BINFORD, JESSE S. JR. .......... Professor (Chemistry), 1961
B.A., M.A.; Ph.D., University of Utah, 1953
BIRKIN, STANLEY J. .......... Professor (Management), 1969
B.S., M.S.; Ph.D., Pennsylvania State University, 1969
BISHOP, MONICA M. .......... Visiting Assistant Professor (Theatre), 1984
B.A.; M.F.A., Southern Methodist University, 1978
BLACK, FRANK S., JR. .......... Associate Dean (Fl. Myers Campus)-Associate Professor (Education), 1984
B.S.; M.A.; Ph.D., Ohio State University, 1972
BLACKSHEAR, WILLIAM M., JR. .......... Associate Professor (Surgery), 1979
B.S.; M.D., Tulane Medical School, 1970
BLAIR, R. CLIFFORD .......... Associate Professor (Measurement and Research Education), 1975
B.A., M.A.; Ph.D., University of South Florida, 1980
BLAINE, MICHAEL G. .......... Assistant Professor (Mathematics), 1981
B.A.; M.A.; Ph.D., Michigan State University, 1981
BLAKE, NORMAN J. .......... Professor (Marine Science), 1972
St. Petersburg Campus
B.S.; M.S.; Ph.D., University of Rhode Island, 1972
BLANK, WILLIAM E. .......... Associate Professor (Adult and Vocational Education), 1976
B.S., M.S.; Ph.D., Florida State University, 1976
BLEMHORN, GEORGE H. .......... Associate Director (Facilities Planning), 1972
B.C.N., University of Florida, 1954, P.E.
BLOCH, SYLVAN C. .......... Professor (Physics), 1963
B.S., M.S., Ph.D., Florida State University, 1962
BLOMQVIST, ALLEN J. .......... Associate Professor (Psychology), Coordinator (Campus-Wide Scheduling), 1972 St. Petersburg Campus
B.S., M.S., Ph.D., University of Wisconsin, 1960
BLONDE, BARRY J. .......... SUS Regional Data Center Systems Programmer (Regional Data Center), 1984
B.A., M.A., M.A., Southern Illinois University, 1974
BLOUNT, MERRY L. .......... Athletic Coach (Intercollegiate Athletics), 1979
B.S.; M.S., Pennsylvania State University, 1975
BLOUNT, WILLIAM R. .......... Professor (Criminal Justice), 1968
B.A.; M.A.; Ph.D., George Peabody College, 1969
BLUE, BARBARA A. .......... Assistant to Vice President (University Relations), 1984
BOATWRIGHT, EARL W., JR. .......... Assistant Professor (Marketing), 1982
B.S.; M.B.A.; Ph.D., University of Arkansas, 1983
BOCHNER, ARTHUR P. .......... Professor (Communication), 1984
B.S.; M.A.; Ph.D., Bowling Green State University, 1971
BOLTON, STEVEN E. .......... Professor (Finance), 1978
B.S.; M.B.A.; Ph.D., New York University, 1969
BOLTON, THOMAS A. .......... Assistant Professor (Pathology), 1984
B.S., B.A.; M.D., University of South Florida, 1980
BOND, JOSEPH C., JR. .......... Professor (Educational Leadership Education) 1965
BORG, JEAN M. .......... Visiting Instructor (Educational Leadership and Higher Education) 1972
B.S.; M.Ed., Ed.S., University of Illinois, 1967
BOLGER, JAMES A. .......... Assistant Professor (Surgery) (Part-Time), 1981
B.A.; M.D., University of Tennessee, 1968
BOSTOW, DARREL E. .......... Professor (Psychological and Social Foundations Education), 1970
B.S., M.A., Ph.D., Southern Illinois University, 1970
BOTT, WILLIAM K. .......... Professor (Counselor Education), 1960
BOUS, PIERRE J., JR. .......... Associate Dean-Associate Professor (Continuing Education, College of Medicine)-Professor (Obstetrics/Gynecology), 1984
B.S., M.S., M.D., Louisiana State University School of Medicine, 1971
BOWERS, JAMES C. .......... Professor (Electrical Engineering), 1965
B.E.; M.S.; St. D., Washington University, 1964
BOWERS, LOUIS E. .......... Professor (Physical Education, Education), 1967
B.S., M.A.; Ph.D., Louisiana State University, 1964
BOWERS, RICHARD T. .......... Director (Business Administration), 1963
B.S., M.S., Ed.D., George Peabody College, 1961
BOWMAN, R. LEWIS .......... Professor (Political Science), 1973
B.A.; Ph.D., University of North Carolina, 1964
BOWD, KEVIN B. .......... Assistant Professor (Computer Science Engineering), 1984
B.S.; Ph.D., Duke University, 1980
BOXILL, BERNARD R. .......... Associate Professor (Philosophy), 1980
B.A.; M.A.; Ph.D., University of California at Los Angeles, 1971
BOYCE, HENRY W., JR. .......... Professor (Internal Medicine), 1975
B.S.; M.S., M.D., Bowman Gray School of Medicine, 1955
BOYD, HERBERT F. .......... Professor (Exceptional Child Education), 1965
Sarasota Campus
B.S., M.S., Ph.D., University of Illinois, 1958
BOYD, L. ADAI .......... Academic Administrator-Administrative Officer (Florida Mental Health Institute), 1981
B.A.; M.Div.; M.Ed.; Ph.D., Temple University, 1978
BOYD, SARAH E. .......... Associate Professor (Nursing), 1977
B.S.; B.S.; M.S.; M.P.S., Long Island University, 1977
BOYD, WILLIAM P., JR. .......... Associate Professor (Internal Medicine), 1979
B.S., M.D., University of South Carolina, 1972
BRADFORD, W. SAMUEL .......... Professor (Mechanical Engineering), 1983
B.S.; M.E.; M.S., Ph.D., University of Minnesota, 1957
BRADFORD, CHARLES R. .......... Computer Software Specialist (Computer Research Center), 1984
B.S., University of West Florida, 1977
BRADLEY, ROBERT V. .......... Associate University Librarian (Libraries), 1959
B.A., M.A., Florida State University, 1957
BRADY, PATRICK G. .................................. Associate Professor
(Internal Medicine), 1978
A. B.; M. D., New Jersey College of Medicine, 1968

BRAMAN, ROBERT S. ................................. Professor (Chemistry), 1967
B.S.; Ph. D., Northwestern University, 1966

BRAMES, HERMAN J. ................................. Continuing Education Center Administrator
(Regal Hill Campus), 1983
B.S.; M.S.; Indiana State University, 1964

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

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

BREIT, ETIA B. ......................................... Visiting Instructor (Interdisciplinary Social Science), 1974
B.S.; M.S., Ph. D., University of South Florida, 1984

BREIT, FRANK D. ....................................... Associate Professor (Library Media and Information Studies, Education), 1968
B.A., M. Ed., Ph. D., University of Texas, 1968

BREITER, BERNARD .................. Assistant Professor-Program Director
(Family Medicine), 1977 (Part Time)
A.B.; M.B.; M. D., Laval University, Quebec, 1942

BRIDGES, VIRGINIA A. .............................. Professor (Music Education), 1964
B.M.Ed., M.A., Ph. D., Ohio State University, 1965

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

BRIGGS, HALEN-E. ................................. Associate in Training (International Exchange Center on Gerontology, Academic Affairs), 1979
B.A.; M.A.; Ed. Ph., Florida State University, 1979

BRIGHTWELL, RUTH G. .................. Counselor/Advisor (Student Personnel Office, Education), 1969 (Part Time)
B.S., Ohio State University, 1948

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

BRONER, CYNTHIA W. .................... Visiting Assistant Professor (Pediatrics), 1982
M.D., University of South Florida, 1979

BROOKER, H. RALPH ............................... Associate Professor (Physics), 1964
B.S., M.S., Ph. D., University of Florida, 1962

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

BROWN, JOHN L. ................................. University President, 1977
B.S.Eng; M.A.; Ph. D., Columbia University, 1952

BROWN, LARRY N. ................................. Associate Professor (Biologi), 1967
B.S.; M.A., Ph. D., University of Missouri, 1962

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

BROWNLEE, HARRISON J. .................. Assistant Professor - Program Director
(Family Medicine), 1983 (Part time)
B.A.; M.D., SUNY Upstate Medical Center, 1976

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

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

BRUNO, FRANCIS ................................. Instructor (Management), 1981
B.S., M.B.A., Syracuse University, 1975

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

BRYANT, HAYDEN C., JR. ........................ Associate Professor (Art & Music Education), 1967
B.A., M.A., George Peabody College, 1957

BRYANT, MARGARET W. .................. Assistant In (Anatomy), 1981
B.S.; M.S., University of Georgia, 1973

BRYANT, PATRICIA K. .................. Assistant University Librarian
(Libraries), 1975 Sarasota Campus
B.A.; M.A., University of South Florida, 1981

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

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

BUFFINGTON, RICHARD G. .................. Academic Administrator
(Engineering), 1984
B.A., M.B.A., University of South Florida, 1978

BULL, C.LIVE A. ................................. Visiting Lecturer (Engineering), 1984 (Part Time)

BURDICK, GLENN A. .................. Dean-Professor (Engineering), 1965
B.S., M.S., Ph. D., Massachusetts Institute of Technology, 1961

BURGESS, BRYAN S. ........................... University Attorney
(Office of the General Counsel), 1979
B.A.; J.D., University of Florida, 1978

BURKHART, S. BRIAN .................. Assistant Professor (Anthropology), 1984
B.A., M.A., Ph. D., Columbia University, 1982

BURLEY, W. WADE ............................ Professor (Psychological and Social Foundations Education), 1966
B.A.; M. Ed., Ph. D., University of North Carolina, 1970

BURNS, CANDACE M. .......................... Associate Professor (Nursing), 1977
B.S.N.; M.S., Ph. D., University of Michigan, 1980

BURTON, CARMEN S. .................. Counselor/Adviser (Mass Communications), 1979, (Part time)
B.S.; M.A., Ph. D., University of South Florida, 1984

BUSHOT, J. CARLOS ........................ Professor-Chairperson
(Chemical Engineering), 1970
B.S., M.S., Ph. D., University of Florida, 1970

BUSSE, JOHN F. .......................... Associate Professor (Accounting), 1977
B.S., M. Accy., D. B. A., Florida State University, 1973, C. P. A.

BUSTA, JOSPEH F., JR. ........................ Vice President (University Relations), 1971
B.S.; M.S.; Ph. D., University of Florida, 1978

BYRNE, ROBERT H., JR. .................. Associate Professor (Marine Science), 1977
B.S., M.A., Ph. D., University of Oregon, 1979

CAFLISCH, JACOB C., III .................. Associate Professor (Languages), 1970
A. B., A. M., Ph. D., Indiana University, 1974

CAHILL, DAVID W. .......................... Assistant Professor (Surgery), 1983
B.A., M. D., University of Virginia, 1976

CAIRL, RICHARD E. .................. Assistant Professor (Suncoast Gerontology Center), 1981
B.S.; M.S., Ph. D., Florida State University, 1980

CALLEND, DENIS .......................... Associate Professor (Theatre), 1978
B.A.; M. A., Ph. D., University of Nebraska, 1970

CALLAN, SABRA M. .......................... Instructor (Accounting), 1979
St. Petersburg Campus
B.A., M. Acc., University of South Florida, 1979, C. P. A., C. M. A.

CAMERON, WM. BRUCE .......................... Professor (Sociology), 1964
B.A., M. A., Ph. D., University of Wisconsin, 1952

CAMP, JOHN B. .......................... Associate Professor-Program Director
(Languages), 1964
B.M., M.M., Ph. D., Florida State University, 1964

CAMP, PAUL E., JR. .......................... Assistant University Librarian
(Libraries), 1972
B.A.; M. S. L. S., Florida State University, 1972

CAMPBELL, DORIS W. ........................ Assistant Professor (Nursing), 1981
B.S.N.: M. A., Columbia University, 1961

CAMPBELL, JOHN T. .................. Counselor to Students (Housing and Auxiliary Services, Student Affairs), 1983
B.S.; M. Ed., Miami University, Ohio, 1983

CAMPOS, ALFONSO .................. Visiting Assistant Professor (Pediatrics), 1982
M.D., Greater National University of San Marcos, 1974

CANO, CARLOS J. .......................... Associate Professor (Languages), 1970
B.A.; M. A., Ph. D., University of Michigan, 1973

CANTOR, ROGER G. ........................ Visiting Associate Professor (Adult and Vocational Education), 1983
B.S.; M.S.; Ed. D., Florida State University, 1975

CAPNAS, CLEON W. .......................... Professor (Languages), 1970
B.A., M.A., Ph. D., University of New Mexico, 1964

BEDDING, JOHN V. ........................ Network Control Coordinator
(Regional Data Center), 1982
B.E.T., University of South Florida, 1969

BUGNINI, JANE B. .......................... Instructor (Accounting), 1981
B.A., M.B.A., University of Oregon, 1974

BUGNINI, WILLIAM J. ........................ Visiting Assistant Professor
(Internal Medicine), 1984
B.A.; M.D., University of Chicago, 1972

BUKANT, SAMUEL C. .................. Professor (Internal Medicine), 1972
B.S.; M.D., New York University College of Medicine, 1934

BULL, CLIVE A. .......................... Visiting Lecturer (Engineering), 1984 (Part Time)
B.S., M. Ed, Ed. D., University of Florida, 1972
FRAME, MICHAEL L.  Assistant Professor (Natural Sciences), New College of USF, 1982 Sarasota Campus
B.S.: Ph.D., Tulane University, 1978
FRANCIS, GWYNDOLYN L.  Associate Student Financial Aid Director (Financial Aids, Student Affairs), 1984
FRANCIS, ROY G.  Professor (Sociology), 1973
B.A.; M.A.: Ph.D., University of Wisconsin, 1950
FRANK, ILENE B.  Associate University Librarian (Libraries), 1974
B.S.D.: A.M.L.S., University of Michigan, 1973
FRANKLIN, BETTY J.  Student Affairs Coordinator (Cooperative Education and Placement, Student Affairs), 1978
B.A.: University of Florida, 1972
FRANQUES, JOHN T.  Assistant Professor (Civil Engineering and Mechanics), 1971
B.S., M.S., Ph.D., Louisiana State University, 1971, P.E.
FRAZER, HENRY S.  Visiting Lecturer (Engineering), 1978 (Part-Time)
B.S.E.; M.S.E., Pennsylvania State University, 1965
FRECKER, TRUDE E.  Director (Division of University Personnel Services), 1979
B.A., Florida State University, 1974
FREDERE, ROBERT C. JR.  Energy Management Coordinator (Physical Plant), 1984
B.S., M.S.M.E., University of South Florida, 1984
FRENCH, DIANA G.  Assistant Professor (Nursing), 1978
B.S.; M.S.N., Medical College of Georgia, 1976
FRIEDMAN, STEWART  Assistant Professor (Radiology), 1977
B.A.; M.D., Temple University School of Medicine, 1967
FRESHOUR, FRANK W.  Associate Professor (Childhood Education), 1969
B.S.; M.Ed.; Ed.D., University of Florida, 1970
FRIENDLICH, AUGUST L.  Dean - Professor (Fine Arts), 1982
B.A.; M.A.; Ph.D., New York University, 1960
FRIED, FRANK E.  Professor (Biology), 1960
B.A., Ph.D., University of Minnesota, 1958
FRIEDMAN, HERMAN  Professor - Chairperson (Medical Microbiology), 1978
A.B., M.A.; Ph.D., Hahnemann Medical College, 1957
FRIEDMAN, LOUISE E.  Visiting Assistant Professor (Pediatrics), 1983
B.A.; M.A.; M.D., New York Medical College, 1977
FRIEDMAN, ROBERT M.  Associate Professor-Chairperson (Florida Mental Health Institute), 1981
B.A.; M.S., Ph.D., Florida State University, 1970
FRIEDMAN, ROBERT W.  Instructor (Mass Communications), 1981
A.B., M.A., University of Georgia, 1976
FROELICH, RALPH O.  Associate Professor (Music Arts), 1974
B.S., Juilliard School of Music, 1958
FRY, EDWARD F.  Professor (Visual Arts), 1981
A.B.; A.M., Harvard University, 1958
FRY, WILLIAM J.  Instructor (Accounting), 1983
FRYE, ALEXANDRA B.  Coordinator (Fine Arts), 1984
B.A., Douglass College Rutgers University, 1959
FUDGE, WILLIAM G., JR.  Associate Professor (Mass Communications), 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
FUSTUKJIAN, SAMUEL Y.  Department Head -University Librarian (Libraries), 1980 St. Petersburg Campus
B.A.; M.S.; State University of New York at Oswego, 1980
GAGAN, RICHARD J.  Visiting Assistant Professor (Pediatrics) 1981
B.S., M.S.; Ph.D., Cornell University, 1969
GAGGI, SILVIO L.  Associate Professor -Chairperson (Humanities), 1972
B.A.; M.A.; Ph.D., Ohio University, 1972
GALLIVAN, FRANCIS  Assistant In (Adult and Vocational Education), 1984
B.S.; M.A.; M.A., University of California, Riverside, 1976
GALOS, ANDREW J.  Professor (Music), 1982
B.S.; M.S.; M.A., Ed.D., Teachers College Columbia University, 1958
GANGULY, ARUNABHA  Associate Professor (Internal Medicine), 1981
I.S.: M.B.B.S., Medical College, Calcutta, India, 1961
GANGULY, RAMA  Associate Professor (Medical Microbiology and Immunology), 1981
B.S., M.S., Ph.D., Calculutta University, 1964
GARCIA, JUANITA L.  Assistant Professor (Gerontology), 1968
B.A.; M.A.: Ed.D., Nova University, 1970
GARCIA, MARIO R.  Professor (Mass Communications), 1982
B.A.; M.A., D.A., University of Miami, 1976
GARCIA, OSCAR N.  Professor - Chairperson (Computer Science and Engineering), 1970
B.S.E.E., M.S.E.E., Ph.D., University of Maryland, 1969
GARCIA, SANDRA A.  Associate Professor (Psychology), 1974
B.A.; M.A.; Ph.D., University of Southern California, 1971
GARCIA, SONJA W.  Assistant University Librarian (Libraries), 1964
B.S.; M.A., University of South Florida, 1977
GARCIA-RUBIO, LOUIS H.  Assistant Professor (Chemical Engineering) 1983
M.E., Ph.D., McMaster University, 1980
GARDNER, HENRY R.  Coordinator (Development and Alumni), 1983
B.A.A., University of Florida, 1949
GARDNER, MELVYN J.  University Physician (Student Health Service, Student Affairs), 1969 (Part-time)
A.B., M.D., Temple University, 1944
GARRELS, ROBERT M.  Graduate Research Professor (Marine Science), 1983
B.S., M.S., Tulane University, 1973
GARRETT, SAMUEL J.  Professor (Electrical Engineering), 1967
B.E.E.; M.S.E.E., Sc.D., University of Pittsburgh, 1963
GEARY, CLAUDIA S.  Student Affairs Coordinator (Financial Aids, Student Affairs), 1983
B.A., California State College, 1977
GEGERT, O. GLENN  Professor (Psychological and Social Foundations Education), 1969
B.A.; Ph.D., University of South Carolina, 1968
GELINAS, ROBERT W.  Professor (Visual Arts), 1963
GENDLER, DEBORAH H.  Assistant In (Pediatrics), 1983
GERDES, ANTHONY M.  Assistant Professor (Anatomy), 1982
B.S.; Ph.D., University of Texas Medical Branch, Galveston, 1978
GERMAIN, BERNARD F.  Associate Professor (Internal Medicine), 1976
GHOSTOT, JAMES L.  Assistant Professor (Mass Communications), 1981
B.S.; M.Ed., University of Florida, 1963
GIBBONS, MICHAEL T.  Assistant Professor (Political Science), 1984
B.A.; Ph.D., University of Massachusetts, 1983
GIERON-KORTHALS, MARIA A.  Program Director (Center for Children with Learning Disabilities, Education), 1981
M.D., Medical School, Warsaw, Poland, 1971
GILBERT, RICHARD  Assistant Professor (Chemical Engineering), 1978
B.A., M.S., John Carroll University, 1971
GILCHRIST, SANDRA L.  Assistant Professor (Natural Sciences), New College of USF, 1983 Sarasota Campus
B.S.; M.S.; Ph.D., Florida State University, 1982
GILLESPIE, JULIE F.  Coordinator (Development Office, University Relations), 1984
B.A.; M.P.A., University of South Florida, 1982
GILMAN, HAROLD F  Assistant Professor (Geography), 1979
B.A.; M.A., Ph.D., University of California at Riverside, 1977
GILMORE, ALDEN S. .......................... Associate Professor (Gerontology) 1961
B.A.; M.A., Florida State University, 1957
GIORDANO, JEFFREY .................... Visiting Associate Professor (Florida Mental Health Institute and Gerontology), 1984
B.S.; M.S.W., Ph.D., Georgia State University, 1983
GLADFELTER, TOM T. .................. Assistant Professor (Family Medicine), 1981
M.D., University of Kaohsiung, Taiwan, 1969
GLASS, HARVEY ............ Professor (Computer Science and Engineering), 1969
B.S., M.S., D.Sc., Washington University, 1965
GLASSER, STEPHEN P. ......... Professor (Internal Medicine), 1976
M.D., University of Miami Medical School, Florida, 1964
GLOVER, KOFI R.A. ................ Associate Professor-Program Director (Interdisciplinary Social Sciences), 1972
B.A.; M.A., Ph.D., Indiana University, 1975
GOFORTH, FRANCES S. ........ Associate Professor (Childhood and Language Arts Education), 1967
B.S., M.Ed.; Ed., Indiana University, 1966
GOOD, GAY C. ...................... Visiting Assistant Professor (Psychiatry), 1983
B.A.E.; M.A.; Ed., Teachers College Columbia University, 1982
GOODMAN, ADOLPH W. .......... Professor (Pediatrics), 1968
B.A.; M.D., University of Minnesota, 1968
GOLISZ, GEORGE A. ............... Associate Professor (Psychiatry), 1976
B.A.E.; M.A., Teachers College Columbia University, 1981
GOODING, DOLORES .............. Assistant Professor (Orthopaedic Surgery), 1983
B.S.N.; M.S.N.; Ph.D., John P. Stopen University, 1983
GOMES-SANCHEZ, MARCOS ........... Assistant Professor (Surgery), 1984
B.A., M.A.; Ph.D., University of Arizona, 1982
GONEZ, JOE V. ...................... Academic Administrator (Florida Mental Health Institute), 1981
B.S., M.D., University of Florida, 1961
GONZALEZ, JOE V. ............... Assistant Professor (Internal Medicine), 1983 (Part-Time)
B.A.; D.V.M., Ph.D., Texas A&M University, 1982
GONDELL, ALLAN R. ............. Assistant Professor (Electrical Engineering), 1982
B.S., M.E.E.; Ph.D., University of Florida, 1973
GONZALEZ, LOUIS .................. Assistant Professor (Nursing), 1983
B.S.N.; M.S.N., University of Florida, 1971
GOODWIN, DOUGLAS ............. Instructor - Director (Industrial and Management System Engineering), 1975 St. Petersburg Campus
B.S.E.E.; M.S.E.E., University of South Florida, 1975
GOODMAN, ADOLPH W. .......... Distinguished Service Professor (Mathematics), 1964
B.S., M.A., Ph.D., Columbia University, 1947
GOODMAN, BREND A .............. Visiting Assistant in (Pediatrics), 1981
B.S.N.; M.S.N., University of Texas Health Science Center, 1979
GORDON, CHARLES A. ............. Coordinator (Undergraduate Advising, Education), 1968
B.A.; M.S.; Ed., Nova University, 1977
GORDON, HOREE C. ............... Lecturer (Electrical Engineering), 1973
B.E.E.; M.S.E., University of South Florida, 1970
GOSSELIN, RENYOLD J. ......... Associate In (Business Administration), 1984
GOTTfried MARCIA R. ........... (Assistant Professor) Pathology, 1984
B.Med., M.D., Northwestern University, 1978
GOULD, JAMES A. ............... Professor (Philosophy), 1964
B.S., M.A., Ph.D., University of Michigan, 1953
GRANDON, GARY M. .......... Associate Director (Computer Research Center), 1981
B.S.; M.Ed.; Ph.D., University of Connecticut, 1978
GRANGE, ROGER T., JR. ........... Professor (Anthropology), 1964
Ph.B., M.A., Ph.D., University of Arizona, 1962
GRASSO, ROBERT J. ............. Associate Professor (Medical Microbiology), 1971
B.S., Ph.D., State University of New York at Buffalo, 1968
GRAVELY, ARCHER R. .......... Coordinator (Institutional Research), 1981
B.A.; M.Ed.; Ed., Virginia Polytechnic Institute and State University, 1983
GRAVEN, STANLEY N. ........... Professor (Public Health), 1984
B.S.; M.D., University of Iowa, 1956
GRAY, JIM S., JR. ............... Assistant Department Head -Associate University Librarian (Libraries), 1980
B.A.; M.L.S.; M.B.A., University of South Florida, 1983
GREABELL, LEON C., JR. ........ Professor - Chairperson (Childhood and Language Arts Education), 1970
B.S.; M.S., Ph.D., University of Florida, 1969
GREEN, CAROLE A. ............... Assistant Professor (Economics), 1982
B.A., M.A., Ph.D., University of Illinois, 1982
GREEN, HIRIAM A. .............. Intercollegiate Athletic Coordinator (Intercollegiate Athletics), 1982
B.A., University of South Florida, 1982
GREENBAUM, SUSAN D. .......... Assistant Professor (Anthropology), 1981
B.A., M.A., Ph.D., University of Kansas, 1980
GREENE, THOMAS L. ........... Assistant Professor (Orthopaedic Surgery), 1983
B.S.; M.D., Ohio State University, 1975
GREGORY, J. ANO ............. Associate Professor -Assistant Dean for Student Personnel and Outreach (Nursing), 1977
B.S.; M.S.; Ph.D., University of Florida, 1977 R.N.
GRIFFITH, JOHN P. ......... Professor (Civil Engineering and Mechanics), 1964
B.A.; M.D., Cornell University, 1949
GRIGG, VERNON H. ............. Lecturer (Economics), 1981 Sarasota Campus
B.Com., B.A., M.A.; Ph.D., Massachusetts Institute of Technology, 1954
GRIMALDI, LUCIA A. ........ Visiting Assistant in (Pediatrics), 1979
B.A., University of South Florida, 1978
GRIMES, MAXYNE M. ........... Assistant Director (Medical Center Library), 1972
B.A.; B.S., Louisiana State University, 1947
GRINDEY, ROBERT J. .......... Associate Professor (Ejective Physical Education, Education), 1964
B.A.; M.S., University of New Mexico, 1961
GRODEN, LEWIS R. .......... Assistant Professor (Ophthalmology), 1984
B.A.; M.D., State University of New York at Buffalo, 1977
GROGAN, DENNIS P. ............. Assistant Professor (Orthopaedic Surgery), 1984 (Part time)
B.S., M.D., University of Florida, 1980
B.S.; M.D., Georgetown University School of Medicine, 1975
GROSS, PINCUS .......... Associate Professor (Rehabilitation Counseling), 1971
B.A.; M.A., Ph.D., University of Florida, 1967
GROSSMAN, STEVEN A. .......... Professor (Chemistry), 1981
B.A.; M.A., Ph.D., Purdue University, 1970
GROTHMANN, WILHELM H .................. Associate Professor (Languages), 1966
B.A.; M.A., Ph.D., University of Kansas, 1968
GROVE, NANCY P. ............... Assistant in (Pediatries), 1980
B.S.; M.A., University of South Florida, 1982
GSTALDER, ROGER J. .......... Assistant Professor (Ophthalmology), 1984
B.S.; M.S.; M.D., Johns Hopkins University, 1966
GUTZLOE, ELEANOR C. ........... Associate Professor (Exceptional Child Education), 1968 St. Petersburg Campus
B.S.; M.D., Ed., University of Florida, 1975
GUILFORD, ARTHUR M. ........ Associate Professor (Communicology), 1975
B.A.; M.A., Ph.D., University of Michigan, 1970
GULITZ, ELIZABETH ........... Associate Professor (Nursing), 1983
B.S.; M.S.N.; Ph.D., Illinois State University, 1983
GUNTER, BILLY G. .............. Associate Professor (Sociology), 1968
A.B., Ph.D., University of Pennsylvania, 1964
GUNTER, HENRY L. ............... Assistant Professor (Family Medicine), 1983
B.A.; M.D., University of Miami School of Medicine, Florida, 1980
GUST, GIESHELHER R. .......... Associate Professor (Marine Science), 1979 St. Petersburg Campus
M.S.; Ph.D., Christian-Albrechts Universität, 1975
GUSTKE, KENNETH A. .......... Assistant Professor (Orthopaedic Surgery), 1981
B.S.; M.D., Wayne State University School of Medicine, 1976
GUTIERREZ, JORGE R. .......... Associate Professor (Radiology), 1973
M.D., University of Valencia, Spain, 1958
GYIMAH-BREMPONG, KWABENA ........ Assistant Professor (Economics), New College of USF, 1981 Sarasota Campus
Resource Center, 1980

B.S. M.A., Ohio State University, 1975

HERMAN, WALTER J.  Professor (Economics), 1960

B.S., M.B.A., Ph.D., University of Florida, 1965

HERTZ, GILMAN W.  Professor (Elective Physical Education, Education), 1960

B.S., M.S., P.E.D., University of Indiana, 1956

HESS, JEFFREY B.  Assistant Professor (Ophthalmology), 1979 (Part time)

B.A., M.D., Baylor College of Medicine, 1971

HEWITT, CHARLES F.  Associate Vice President (Student Affairs), 1972

B.S., M.A.; Ed.D., Western Michigan University, 1972

HEWITT, NANCY A.  Assistant Professor (History), 1981

B.A.; Ph.D., University of Pennsylvania, 1981

HICKEY-WEBER, EILEEN D.  Assistant Research Scholar / Scientist (Biology), 1977

B.S.; M.S.; Ph.D., University of Berne, Switzerland, 1970

HICKMAN, JACK H., JR.  Associate In (Marine Science), 1984

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B.S., North Carolina State University, 1978

HICKMAN, JACK W.  Associate Dean-Professor (Medical Center for Preparations), 1970

B.S., M.D., Indiana University, 1955

HICKMAN, RONALD D.  Computer Software Specialist (University Computing Services), 1984

B.S., M.B.A., Southern Illinois University, 1984

HICKS, DAVE A.  Counselor / Adviser (Counseling Center for Human Development, Student Affairs), 1981

B.S.; M.A.; Ph.D., Bowling Green State University, 1977

HIBELINK, DON R.  Assistant Professor (Anatomy), 1980

B.S.; M.D., The Medical College of Wisconsin, 1977

HIBELINK, ROSE J.  Visiting Assistant Professor (Political Science), 1984

B.S., M.D., Ph.D., Washington State University, 1984

HILL, LYNDA B.  Director (Operations Analysis, Administration and Personnel), 1981

B.S., B.B.A., The American University, 1971

HILL, RAYMOND  Associate Professor-Chefperson (Adult and Vocational Education), 1971

B.S.; M.A., Ed.D., University of Alabama, 1975

HILL, ROSALIE A.  Academic Administrator (Academic Affairs), 1975

B.S., M.Ed., Florida A&M University, 1971

HINE, ALBERT C.  Associate Professor (Marine Science), 1979

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A.B.; M.S.; Ph.D., University of South Carolina, 1975

HINES, CONSTANCE V.  Assistant Professor (Educational Measurement and Research), 1983

B.A.; M.A., Ph.D., Ohio State University, 1981

HINSCH, GERTRUDE W.  Professor (Biology), 1974

B.S., M.S., University of Illinois, 1976

HINZ, JOHN  Dean-Professor (St. Petersburg Campus), 1979

B.A.; M.A.; Ph.D., Columbia University, 1959

HODES, RICHARD S.  Professor-Chefperson (Anesthesiology), 1981

B.S., M.D., Tulane University School of Medicine, 1946

HODGE, GAMEL B.  Assistant Professor (Surgery), 1984

B.A., M.D., Duke University Medical School, 1977

HODGE, STEPHEN W.  Assistant Professor (Music), 1984

B.M.Ed., M.M.Ed., Wichita State University, 1976

HODGSON, JOHN S.  Professor — Chairperson (Economics), 1980

B.A.; M.B.A.; Ph.D., University of Virginia, 1971

HOENIG, LEONARD J.  Assistant Professor (Internal Medicine), 1983

B.A.; M.D., SUNY Downstate Medical School, 1980

HOFFMAN, EDWINA  Instructor (School of Continuing Education), 1984

B.A.; M.S., Florida International University, 1980

HOFFMAN, GLEN E.  Athletic Trainer (Intercollegiate Athletics), 1980

B.S.; M.S., Indiana State University, 1977

HOFFMAN, HUBERT A.  Professor-Chefperson (Professional Physical Education), 1966

B.S., B.M., Ed., P.E.D., Indiana University, 1969

HOFFMAN, THEODORE B.  Professor (Humanities), 1962

A.B.; M.A.; Ph.D., University of the Pacific, 1959

HOLCOMB, DAN L.  Athletic Coach (Intercollegiate Athletics), 1965

B.Ed., M.S., Florida State University, 1962

HOLLAND, MARGARET S.  Associate Professor (Content Specializations/English Education), 1966

B.A., M.A.T.; Ph.D., Union Graduate School, 1977

HOLM, KATHRYN C.  Assistant Professor (Music Arts), 1977

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B.M.; M.M., Cleveland Institute of Music, 1975

HOLMES, ROLAND C.  Assistant Professor (Geography), 1974

St. Petersburg Campus

A.B.; M.S.; Ph.D., University of Chicago, 1979

HOLSENBECK, DANIEL C.  Assistant Vice President (University Relations), 1983

B.S.; M.Ed.; Ph.D., Florida State University, 1976

HOLTZMAN, LILLIAN C.  Director (Space Utilization and Analysis), 1964

B.A., University of South Florida, 1977

HOMAN, SUSAN P.  Assistant Professor (Reading Education), 1978

B.A.E.; M.A.E.; Ph.D., University of Florida, 1978

HONKER, H. ANDREW  Associate Professor — Director (Physical Education, Student Affairs), 1969

B.S., M.S., University of Illinois, 1965

HOOKS, KAREN L.  Assistant Professor (Accounting), 1979

B.A.; M.S.; Ph.D., Indiana University, 1981

HOOVER, ROBERT J.  Assistant Professor (Geology), 1984

B.S.C.; M.S., University of South Carolina, 1982

HOOVER, DENNIS L.  Assistant Professor (Surgery), 1982 (Part time)

B.A.; M.D., Abraham Lincoln School of Medicine, University of Illinois, 1972

HOPKINS, STANLEY C.  Assistant Professor (Surgery), 1983

B.S.; M.D.; M.C.M., McGill University, 1976

HOPKINS, THOMAS L.  Professor (Marine Science), 1967

St. Petersburg Campus

B.A.; M.A., Ph.D., Florida State University, 1964

HORACEK, MARGARET B.  Associate University Librarian (Medical Library), 1974

B.A.; M.S.L.S., Kansas State Teachers College, 1974

HORHAM, FREDDICK R.  Associate Professor (Political Science), 1968

B.A.; M.A., Ph.D., Indiana University, 1958

HOUGHTON, LEA M.  Academic Administrator (Graduate Studies, Academic Affairs), 1968

HOUK, C. WESLEY  Assistant Professor (Visual Arts), 1961

B.A.; M.F.A., University of Iowa, 1950

HU, CHENG-SHUI  Assistant In (Pediatrics), 1984

B.S.; M.S., University of Florida, 1983

HUDSON, MICHAEL C.  Systems Coordinator (Fiscal Services and Budget, Medicine), 1976

B.S., University of Florida, 1976

HUG, WILLIAM G.  Professor (Dance), 1969

B.S., M.A., University of Illinois, 1960

HULLIBRANT, WILLIAM S.  Associate Professor (Political Science), 1976

B.A., M.A., Ph.D., University of Iowa, 1972

HUMMEL, MARY BETH  Visiting Assistant In (Pediatrics), 1984

B.S.; M.D., Indiana University, 1981

HUNT, WILLIAM R.  Sports Information Director (NCAA Sports Information, Student Affairs), 1983

B.S.; M.A., Slippery Rock State College, 1980

HUNTER, PATRICIA S.  Visiting Instructor (Communicology), 1984

B.A.; M.S., University of South Florida, 1979

HUSSAIN, SAJJAD F.  Assistant Professor (Psychiatry) and Florida Mental Health Institute, 1983 (Part time)

M.D., B.S., M.S. University, Baroda, India, 1967

HUSTING, EDWARD L.  Professor (Comprehensive Medicine), 1981

B.S., M.Ph.I., Ph.D., University of London, 1968

HUTCHCRAFT, GILBERT R.  Associate Professor (Education), 1977

Ft. Myers Campus

A.B.; M.S., Ed.D., Indiana University, 1970

HUTCHISON, WILLIAM S., JR.  Associate Professor (Social Work), 1977

B.A.; M.S.W., University of Georgia, 1968

HYNES, EVAN A.  Associate Professor (Pediatrics), 1978

M.D., Charles University School of Medicine, Prague, Czechoslovakia, 1969

IERARDO, DOMENICK  Associate Professor (Languages), 1970
JOHNSON, ROBERT P. .................. Associate Professor (History), 1974
B.A., M.A., Ph.D., Columbia University, 1973

INGRAM, CATHY Y. ..................... Academic Administrator
(Engineering), 1983
B.S., M.S., Ph.D., University of Wisconsin-Madison, 1977

INGRAM, JAMES M. .................... Professor-Chairperson (Otorhinolaryngology and Gynecology), 1971
M.D., Duke University, 1943

IORIO, JOHN J. .......................... Professor (English), 1963
B.A., M.A., Columbia University, 1951

IRONSON, GAIL H. ....................... Associate Professor (Psychology), 1979
B.S.; M.S., Ph.D., University of Wisconsin-Madison, 1977

ISAAC, SAMUEL M. ..................... Associate Professor (Mathematics), 1968
M.S.; Ph.D., Indiana University, 1965

ISBEL, ROBERT G. ....................... Associate Professor (Radiology), 1973 (Part time)
B.A.; M.D., University of Michigan Medical School, 1964

JACKSON, GARY M. ..................... Assistant Professor (Florida Mental Health Institute), 1978
B.A.; M.A.; Ph.D., Southern Illinois University, 1976

JACKSON, JOHN A. ....................... Associate Director (Regional Data Center), 1967
B.S., M.A., University of South Florida, 1981

JAIN, VIJAY K. ........................ Professor (Electrical Engineering), 1972
B.E.; M.E.; Ph.D., Michigan State University, 1964

JAMES, ANNE W. ....................... Counselor / Advisor (Undergraduate Studies), 1984
B.A., M.A., Ph.D., Ohio State University, 1981

JAMES, PAULA .......................... Counselor / Adviser (Project Thrust), 1982
B.S., Bethune-Cookman College, 1972

JAMES WAYNE B. ....................... Associate Professor (Adult and Vocational Education), 1984
B.A.; M.S., Ed.D., Florida State University, 1976

JAWORSKI, WARREN W. ................. Associate Professor (Psychology), 1982
B.S.; M.A., Ph.D., University of Minnesota, 1950

JENKINS, ALTHEA H. .................... Department Head-University Librarian (Library), 1980 Sarasota Campus
B.S.L.S.; M.S.L.S.; Ed.D., Nova University, 1977

JENKINS, JAMES J. ..................... Professor-Chairperson (Psychology), 1982
B.S.; M.A., Ph.D., University of Minnesota, 1950

JENNINGS, VANCOUVER S. .......... Professor-Acting Chairperson (Music), 1967
B.M., M.Ed., D.M.E., University of Oklahoma, 1972

JERMER, JOHN M. ....................... Associate Professor (Management), 1983
B.S.; M.A.; M.B.A., Ph.D., Ohio State University, 1979

JEVITI, CECILIA M. .................... Visiting Assistant In (Obstetrics and Gynecology), 1984
B.S.; M.N., Emory University, 1983

JIMENEZ, CARLA ....................... Senior Counsel (Office of the General Counsel), 1980
B.A.; J.D., Boston University School of Law, 1979

JOHANNINGMEIER, ERWIN V. ........ Professor (Psychological and Social Foundations, Education), 1968

JOHNSON, DALE A. ..................... Associate Professor (Finance), 1970

JOHNSON, DOYLE P. .................... Associate Professor (Sociology), 1969
B.A., M.A., Ph.D., University of Illinois, 1969

JOHNSON, FRANK C. .................... Associate Professor (Social Work Program), 1981
B.A.; B.S.W.; M.S.W.; Ph.D., Washington State University, 1977

JOHNSON, FRANK F. JR. ............... Professor (Adult and Vocational Education), 1971
Ph.D., University of Minnesota, 1967

JOHNSON, ROGER E. .................... Professor (Mathematics, Education), 1967
B.S.; M.A., Ph.D., University of Minnesota, 1967

JOHNSON, THOMAS E., JR. .......... Associate Professor (Information Systems Research), 1974
B.S., M.A.; Ph.D., University of Alabama, 1971

JOHNSON, MILTON D., JR. .......... Associate Professor (Chemistry), 1973
B.A.; M.A., Ph.D., Princeton University, 1970

JOLLEY, ROBERT R. ................... Coordinator (Marine Science Program), 1979
B.S., University of Miami, Florida, 1971

JONAITIS, ANTHONY J., JR. ......... Associate Professor (Professional Physical Education, Education), 1965
B.S., M.S., Springfield College, 1956

JONES, HILTON K. .................... Associate Professor (Music Arts), 1969
B.M.; M.M., Eastman School of Music, 1968

JONES, W. DENVER ................... Professor (Physics), 1970
B.A.; M.A., Ph.D., Van Wyck University, 1963

JORDAN, DAVID C. .................. Director (Student Affairs), 1968
Ph.D., University of San Diego

JORDAN-HOLMES, SARAH .......... Coordinator (Development/Alumni), 1983
B.A., University of Miami, 1969

JORGENSEN, DANNY L. ............ Associate Professor (Sociology), 1978
B.A., M.A.; Ph.D., University of Miami, 1971

JUAN, GEORGE R., JR. .......... Professor (Chemistry), 1966
B.S.; M.S.; Ph.D., University of California, San Diego, 1965

KADNIS, STEPHEN C. ............... Associate Professor (Accounting), 1969
B.A., M.A.; J.D., University of Florida, 1965

KANE, KEITH D. ...................... Associate Professor (Pediatrics), 1979
B.A., M.B.B.Ch., University of Witwatersrand, Africa, 1966

KAPPLIN, STEVEN D. ................. Associate Professor (Finance), 1974
B.A., Ph.D., Georgia State University, 1979

KARES, PETER ....................... Associate Professor — Chairperson (Finance), 1969
B.S.; M.S., Ph.D., Purdue University, 1968

KARL, HERBERT G. .................. Professor (Content Specializations/English Education), 1971
Ph.D., University of California, San Diego, 1971

KARL, RICHARD C. ................. Professor — Associate Chairperson (Surgery), 1983
B.A., M.D., Cornell University Medical School, 1970

KARLINS, MARVIN ................... Professor (Management), 1974
B.S.; M.A., Ph.D., Princeton University, 1966

KARNISI, WALT ...................... Visiting Assistant Professor (PEDIATRICS), 1981
B.A., M.A., University of Florida, 1976

KARST, ARTHUR E., JR. .......... Assistant In (Engineering), 1979
B.A., University of Florida, 1977

KARTSASOS, ATHANASSIOS G. .... Professor (Mathematics), 1971
Diploma, Ph.D., University of Athens, Greece, 1969

KASA, H. R. ...................... Lecturer (Communicology), 1967
B.A., M.A., University of Florida, 1966

KASE-POLISINSI, JUDITH B. ....... Professor (Art and Music Education), 1969
B.A., M.A., Case Western Reserve University, 1956

KASHIN, GLADYS S. ................. Professor (Humanities), 1965
B.A., M.A., Ph.D., Florida State University, 1965

KASTEN, WENDY C. ................. Assistant Professor (Childhood Education), 1982
B.A.; M.Ed.; Ph.D., University of Arizona, 1984

Katz, MARC W. .................. Lecturer (Dance), 1982
B.M.; M.A.; M.F.A., Case Western Reserve University, 1977

Katz, NATHAN ...................... Assistant Professor (Religious Studies), 1984
A.B., M.A., Ph.D., Temple University, 1978

KATZENMEYER, WILLIAM G. ....... Dean-Professor (Education), 1978
A.B.; Ph.D., Cornell University, 1968

McCAIN, HANCE C.  Coordinator (Intercollegiate Athletics), Student Affairs), 1984

MCCLELLAN, LESLIE  Professor (Childhood Education), 1964

MCCLENNON, PAUL E.  Acting Associate Dean — Professor (Educational Leadership Education), 1969 Sarasota Campus

MCCONNEL, JAMES W.  Area Administrator (Housing and Auxiliary Services, Student Affairs), 1984

MCCORMICK, ROBERT M.  Associate Professor (Music Arts), 1974

MCCOY, EARL D.  Associate Professor (Biology), 1978

MCCROSSAN, JOHN A.  Professor - Chairperson (Library, Media, and Information Studies, Education), 1977

MCDARMID, JOHN F.  Assistant Professor (Humanities, New College of USF), 1983 Sarasota Campus

MCDONOGH, GARY W.  Assistant Professor (Social Sciences), New College of USF, 1981 Sarasota Campus

MCEVOY, CATHY L.  Associate Professor (Florida Mental Health), 1982

MCFALLS, SUSAN G.  Instructor (School of Continuing Education), 1984

B.S., M.A., Southern Illinois University, 1970

MCGINNIS, CHARLES E.  Lecturer (Electrical Engineering), 1978

M.E. E.; M.S.E.E., Massachusetts Institute of Technology, 1954, P.E.

MCGRATH, ROGER R.  Assistant Professor (Management), 1981

B.S.; M.P.S.; D.R.A., Florida State University, 1982

MCINTOSH, CHARLES A. JR.  Director (Business Administration), 1976

B.S.; M.B.A., Syracuse University, 1956

MCINTOSH, NANCY J.  Assistant Professor (Management), 1981

St. Petersburg Campus

B.A.; M.A.; Ph.D., University of Florida, 1984

MC Laughlin, Thomas E.  Associate Professor (Visual Arts), 1978

B.A.; M.F.A., Indiana University, 1978

MCLEAN, EDWARD F.  Professor (Languages), 1960

M.A.; Ph.D., Duke University, 1961

MCMILLAN, SUSAN C.  Associate Professor (Nursing), 1983

M.Ed., University of Florida, 1974

MCI NAIR, A. JEANENE  Department Head-University Librarian (Libraries), 1965

B.A.; M.A., Indiana University, 1965

MCNEAL, VICKIE L.  Budget Analyst (Public Health), 1984

B.A., University of South Florida, 1978

MCRAE, SHARMAN P.  Counselor/Advisor (Undergraduate Studies), 1983

B.S.; M.Ed., University of Louisville, 1974

MCWATERS, MARCUS M., JR.  Associate Professor (Mathematics), 1966

B.S., Ph.D. University of Florida, 1966

MEAD, C. GAIL  Lecturer (Humanities), New College of USF, 1975 Sarasota Campus

MELARAGNO, PETER G.  Assistant Professor (Visual Arts), 1978

B.A.; M.A., Boston University, 1976

MELENDI, JOHN C.  Assistant Director (Medical Center - Administration), 1964

B.S., Florida Southern College, 1959

MELLISH, H. HARTLEY  Associate Professor (Economics), 1966

B.A.; Ph.D., University of Virginia, 1965

MENDELBLATT, FRANK  Assistant Professor (Ophthalmology), 1979

M.D., University of Miami, Florida, 1960

MENENDEZ, LOUIS E.  Systems Programmer (Regional Data Center), 1984

MENZEL, DONALD C.  Professor - Program Director (Social Sciences), 1983

B.A.; M.A.: Ph.D., Pennsylvania State University, 1973

MERCADO, MARILYN J.  Assistant Department Head — Associate University Librarian (Libraries), 1975

B.A.: M.L.S., University of Pittsburgh, 1973

MERICA, JOHN A.  Associate Professor (Exceptional Child Education), 1974

B.A.; M.Ed. Ed. of Special Edu., 1961

MERKER, RICHARD A.  Professor — Program Director (English), 1983

B.A., M.B.A., University of Alabama, 1979

METZGER, ELIZABETH A.  Assistant Professor — Program Director (English), 1982 B.A.; Ph.D., State University of New York at Buffalo, 1977

MEYER, HERBERT H.  Professor (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

MEYERREICKS, ANDREW J.  Professor (Biology), 1961

A.B.; Ph.D., Harvard University, 1958

MICHAEL, JAMES D.  Assistant Department Head University Librarian (Libraries), 1974

B.S.; M.S.L.S., Florida State University, 1974

MICHAELIDES, GEORGE J.  Associate Professor (Mathematics), 1961

B.S.; M.S.; Ph.D., University of Georgia, 1974

MICHAELS, ALLAN S.  Associate Professor (Biology), 1977

B.A.; M.A., Ph.D., University of California, Santa Barbara, 1972

MICHAELS, CHARLES E.  Assistant Professor (Management), 1983

B.A.; M.A.; Ph.D., University of South Florida, 1983

MIDDLETON, LILLIAN M.  Assistant In (Suncoast Gerontology Center), 1981

B.A.; M.A.; M.S.W., Florida State University, 1974

MILLER, ARTHUR M.  Professor (Humanities), New College of USF, 1975 Sarasota Campus

A.B.; M.A., Ph.D., Duke University, 1966

MILLER, JAMES W.  Visiting Professor - Associate Director (Florida Institute of Oceanography), 1980

B.A.; M.A., Ph.D., Michigan State University, 1956

MILLER, JONATHAN E.  Continuing Education Coordinator (Environmental Studies) New College of USF, 1984 Sarasota Campus (Part time)

B.A., New College of University of South Florida, 1974

MILLER, KAREN L.  Associate In (Pediatrics), 1975

B.A., Cedar Crest College, 1970

MILLER, MARGARET A.  Professor — Director (Visual Arts), 1970

B.A.; M.A., University of Hawai‘i, 1970

MILLER, R. BERKELIA G.  Instructor (Social Sciences), New College of USF, 1984 Sarasota Campus

A.M., Brown University, 1979

MILLER, ROBERT L.  Associate In (Engineering), 1982

B.S.E.; M.S.E., University of South Florida, 1973

MILLER, SHARON G.  Assistant Professor (Psychiatry), 1979

B.A.; M.S.W., Carleton University, 1974

MILLIKEN, DEAN M.  Instructor - Assistant Director (Florida Institute of Oceanography), 1973 St. Petersburg Campus

B.A.; M.A., University of South Florida, 1975

MINES, RICHARD O.  Assistant Professor (Engineering), 1983

B.S.; M.E.; Ph.D., Virginia Polytechnic Institute, 1983, P.E.

MITCHELL, SUSAN M.  Director (Institutional Research), 1982

B.A.; M.P.A., Fairleigh Dickinson University, 1976

MITCHELL, MOZELLA G.  Assistant Professor (Religious Studies), 1981

A.B.; M.A.; M.A.: Ph.D., Emory University, 1980

MITCHELL, RICHARD W.  Associate Professor (Physics), 1962

B.S.; M.S., Ph.D., Texas A & M University, 1960

MITCHELL, WILLIAM G.  Director (Instructional Services), 1974

B.A.; M.A.; Ph.D., Michigan State University, 1970

MODDROW, WILLIAM G.  Assistant Professor (Finance), 1963

B.A., M.S., Texas A & M University, 1963

MOFFITT, KAREN A.  Visiting Assistant Professor (Psychiatry), 1983

B.A.; M.A., Ph.D., University of South Florida, 1982

MOHNEY, DAVID A.  Assistant In (Educational Leadership and Higher Education), 1970

B.A., Anderson College, 1961

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B.A., M.A.; M.Phil., Ph.D., Yale University, 1978
MUMME, ROY I ........................................ Assistant Professor (Childhood Education), Ft. Myers Campus, 1966
A.B., A.M.; M.Ed., University of North Carolina, 1933
MURRAY, EDGAR G. ........................................ Assistant Professor (Chemical Engineering), 1972
B.S.M.E., M.S.M.E.; Ph.D., Virginia Polytechnic Institute and State University, 1984
MURRAY, WILLIAM M. ....................................... Assistant Professor (History), 1982
B.A.; Ph.D., University of Pennsylvania, 1982
MURTAGH, F. REED ........................................ Associate Professor (Radiology), 1983 (Part time)
B.A.; M.D., Temple University School of Medicine, 1971
MUSHINSKY, HENRY R. ...................................... Associate Professor (Biology), 1979
B.S.; M.S.; Ph.D., Clemson University, 1973
MYERS, MARILYN ........................................... Associate Professor (Interdisciplinary Social Science), 1973
B.A.; M.A., Ph.D., State University of New York at Buffalo, 1976
NAEHRING, DOUGLAS C. E. ................................ Associate Professor (Industrial and Management Systems Engineering), 1970 St. Petersburg Campus
B.E.; M.Sc., Ohio State University, 1949, P.E.
NAGLE, R. KENT ............................................. Associate Professor (Mathematics), 1976
B.S., M.A., Ph.D., University of Michigan, 1975
NAYLOR, DONALD L. ......................................... Academic Administrator (Florida Mental Health Institute), 1984
B.S.; M.B.A., Baylor University, 1975
NAZIAN, STANLEY J., JR. .................................. Associate Professor (Psychology), 1979
B.S.; Ph.D., Marquette University, 1977
NEILL, W. TRAMMELL ....................................... Assistant Professor (Psychology), 1983
B.A.; M.A., Ph.D., University of Oregon, 1977
NELSON, CARNOT E. ........................................ Professor (Psychology), 1971
B.S.; Ph.D., Columbia University, 1966
NELSON, DOUGLAS L. ........................................ Professor (Psychology), 1967
B.A.; M.A., Ph.D., University of Wisconsin, 1967
NELSON, LOUIS R. .......................................... Director (Laboratory Animal Medicine) Associate Professor (Medical Microbiology), 1971
B.S.; M.S.; Ph.D., George Washington University, 1972
NELSON, WILLIAM P. ........................................ Professor (Internal Medicine), 1983
B.S.; M.D., Georgetown University School of Medicine, 1956
NEMAN, EDGAR G. ........................................... Professor (Sociology), 1968
B.S., M.S.; Ph.D., University of Florida, 1969
NEMAN, MARJORIE P. ....................................... Counselor/Adviser (Student Personnel Office, Education), 1969 (Part time)
B.S., Michigan State University, 1953
NESS, GENE C. ............................................... Associate Professor (Biochemistry), 1974
B.S.; Ph.D., University of North Dakota, 1971
NESS, THOMAS E. ........................................... Associate Professor - Chairperson (Marketing), 1971
A.B.; B.S.E.; M.S.I.A.; Ph.D., Purdue University, 1968
NEUGAARD, EDWARD J. .................................... Professor (Languages), 1964
B.A.; M.A., Ph.D., University of Virginia, 1964
NEVILLE, DONALD D. ....................................... Professor (Childhood Education), 1972
B.S.; M.Ed.; Ed.D., University of Florida, 1961
NEW, PETER K. ............................................... Professor - Chairperson (Sociology), 1983
B.A.; M.A., Ph.D., University of Missouri, 1960
NEWCOMBE, P. JUDSON ...................................... Professor (Communication), 1970
B.S.; M.A., Ph.D., University of Florida, 1965
NICHOLS, PATRICIA M. ...................................... Associate In (Pediatrics), 1978
B.S.; M.S., University of Colorado Medical Center, 1978
NICKELS, BRADLEY J. ........................................ Associate Professor (Visual Arts), 1970
B.D.; M.A.; Ph.D., University of Indiana, 1966
NICKERSON, DEBORAH A. .................................. Associate Professor (Biology), 1979
B.A.; Ph.D., University of Tennessee, 1975
NICKERSON, MEREDITH A. .................................. Student Affair Coordinator (Counseling Center for Human Development, Student Affairs), 1980
B.S.; M.Ed., Worcester State College, 1974
NICOLOSI, GREGORY R. ..................................... Associate Dean (Fiscal Management and Planning), Associate Professor (Psychology), 1972
B.S.; M.B.A.; Ph.D., Ohio State University, 1971
NICOLOSI, SANTO V. ......................................... Professor (Pathology), 1984
M.C.; M.S.; M.D., Catholic University of Sacred Heart School of Medicine and Surgery, Rome, Italy, 1967
NIELI, DANIEL J. ............................................. Assistant Athletic Coach (Womens
PONTÉ, BLANCA A. ............... Continuing Education Coordinator (English Language Institute), 1979
B.A., M.A., University of South Florida, 1975

PORTEIRO, JOSE L. F. ................. Assistant Professor (Mechanical Engineering), 1984
B.A., M.S., Ph.D., University of Chicago, 1980

PORTER, D. THOMAS ............... Associate Professor (Communication), 1982
B.A.; M.S., Ph.D., Florida State University, 1974

POTHOVEN, KENNETH L. .......... Associate Professor-Chairperson (Mathematics), 1970
A.B.; M.A., Sp.A., Ph.D., Western Michigan University, 1969

POTTER, ROBERT L. ............... Assistant Professor (Chemistry), 1984
B.A.; M.S., Ph.D., University of California, San Diego, 1977

POWELL, ROBERT W. ............... Professor (Psychology), 1966
B.A.; M.A., Ph.D., Florida State University, 1966

POWER, FRED B. .................. Associate Professor (Finance), 1964
B.S., M.Ed., University of Florida, 1964

POWERS, PAULINE S. ............... Associate Professor (Psychiatry), 1975
A.B.; M.D, University of Iowa, 1971

PREEDOR, EDWARD .................. Professor (Music Arts), 1960
B.M., M.M, Eastman School of Music, 1937

PRETO-RODAS, RICHARD A. ....... Professor-Program Director (Languages), 1981
B.A.; M.A.; Ph.D., University of Michigan, 1966

PRICE, JOEL M. ................... Associate Professor (Physiology), 1976
B.A.; M.S.E.; Ph.D., University of California, San Diego, 1976

PRICE, LORINDER ............... Associate Professor (Pediatrics), 1979
B.S.; M.D., State University of New York, Upstate Medical Center, 1976

PRICE, PAMELA S. ............... Continuing Education Coordinator (Life Long Learning), 1984
B.A., M.S., University of South Florida, 1980

PRICE, WILLIAM T. ............... Coordinator (Professional Physician Administration), 1977
B.A.; M.A., University of South Florida, 1972

PRIDE, RICHARD F. ............... Associate Professor (Educational Leadership Education), Director (Upward Bound), 1969
B.A.; M.A., Ed.S., Columbia University, 1956

PRINCE, FRED L. .................. Associate Professor (Mathematics Education), 1971
B.S.; M.S., Ed.D., University of Houston, 1971

PROCKOP, LEON D. ............... Professor-Chairperson (Neurology), 1973
B.A.; M.D., University of Pennsylvania, 1959

PUGLISI, DICK J. .................. Professor-Director (Mathematics Education), 1969
B.A.; M.A.; Ph.D., Georgia State University, 1973

PULIN, ALFRED ............... Curator (Chemistry), 1969
B.A., Can., Western Reserve University, 1948

PULLIAM, DAVID M. ............... Associate Director (University Center, Student Affairs), 1966
B.S., High Point College, 1950

PUPP, ROGER L. .................. Assistant Professor (Economics), 1982
B.A.; M.A., Ph.D, Washington University, 1979

PURDOM, DANIEL M. ........... Professor (Educational Leadership Education), 1968
B.A.; M.A.; Ed.D., University of California, Los Angeles, 1967

RABER, DOUGLAS J. ............... Professor (Chemistry), 1970
A.B.; Ph.D., University of Michigan, 1968

RACKOW, JEANNE R. ............... Associate Professor (Nursing), 1973
B.S.; M.S., Cornell University, 1930

RAGAN, WENDELL J. ............... Professor (Geology), 1960
B.S.; M.S., Ph.D., University of Missouri, 1959

RAHMAN, HAFIZ M. A. ............. University Psychiatrist (Student Health Services, Student Affairs), 1984 (Part time)
M.B.B.S., B.Sc., D.P.H., M.R.C., Royal College of Psychiatrists of Great Britain, 1968

RAJ, BALAIBIAL A. ............... Assistant Professor (Psychiatry), 1979
M.B.B.S., Madras Medical College, India, 1972

RAMEL, JOHN W. ............... Chief TV Engineer (Educational Resources), 1960
B.S., M.Ed., University of Florida, 1959

RAHALANAYANAN, KUTTANCHERRY A. .... Assistant Professor (Chemical Engineering), 1962

RAMIREZ, GERMAN ............... Associate Professor (Internal Medicine), 1980
B.A.; M.D., Universidad Del Valle, Colombia, 1966
B.A., Transylvania, 1958

ROSEL, NATALIE E. . Associate Professor (Social Sciences), New College of USF, 1975 Sarasota Campus

B.A., M.A., Ph.D., Indiana University, 1971

ROSEMURGY, ALEXANDER S. II . Assistant Professor (Surgery), 1984

B.S.; M.D., University of Michigan, 1979

ROSI, NENAD . Assistant In (Medicine), 1983

M.D., Ph.D., University of Belgrade, 1983

ROSS, ANN M. Coordinator (Alumni and Development), 1980

B.A., University of South Florida, 1979

ROSS, BERNARD E. . Professor (Civil Engineering and Mechanic), 1965

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

ROSS, VIVIAN M. . Professor (Nursing), 1977

B.S.N., M.S.N.; Ed.D., Nova University, 1975

ROSS, WILLIAM T. . Associate Professor (English), 1970 - Associate Chairperson

B.A.; M.A., Ph.D., University of Virginia, 1970

ROTH, DEBORAH C. . Visiting Assistant Professor (Psychiatry), 1982

(Associate Chairperson)


ROUSE, MARYIANNE M. . Instructor (Accounting), Director

Professional and Management Development Center), 1971

B.A.; M.B.A. University of South Florida, 1974

ROUSH, LARRY . Associate Professor (Management), 1978

St. Petersburg Campus

B.S.; M.Ed.; Ph.D., University of Texas, 1958

ROWE, JOHN W. . Professor-Chairperson (Economics), 1979

B.S., M.S., Ph.D. University of Illinois, 1966

ROWLANDS, DAVE T. . Professor-Chairperson (Pathology), 1982

M.D., School of Medicine, University of Pennsylvania, 1955

RUBIO, STEVEN J. . Professor (English), 1969

B.A.; M.A., Ph.D., University of Michigan, 1969

RUNDUS, DEWEY J. . Associate Professor (Psychology), 1972

B.S.; Ph.D., Stanford University, 1970

RUPPEINER, GEORGE . Assistant Professor (Natural Sciences), New College of USF, 1982 Sarasota Campus

B.S.; Ph.D., Duke University, 1980

RUSSELL, WALLACE A. . Dean-Professor (Social and Behavioral Sciences), 1982

B.S., M.A.; Ph.D., State University of Iowa, 1949

RUTENBERG, DANIEL . Professor (Humanities), 1964

A.B., M.A.; Ph.D., University of Florida, 1967

SABA, HUSSAIN I. . Associate Professor (Internal Medicine), 1975

M.D.; Ph.D., University of North Carolina School of Medicine, 1970

SABA, SABINA . Assistant Professor (Pathology), 1979

M.D., College of Medicine, India, 1953

SACCO, WILLIAM P. . Associate Professor (Psychology), 1979

B.A.; M.S.; Ph.D., Florida State University, 1979

SACKETT, WILLIAM M. . Graduate Research Professor (Marine Science), 1979

A.B., Ph.D., Washington University, 1938

SAENZ, ARMANDO . Associate Professor (Psychiatry), 1975

B.A.; M.D., University of Texas, Southwestern Medical School, 1963

SAFF, DONALD J. . Distinguished Service Professor (Visual Arts), 1965

B.A.; M.A.; M.F.A.; Ed.D., Columbia University, 1964

SAFF, EDWARD B. . Professor (Mathematics), 1969

B.S.; Ph.D., University of Maryland, 1968

SAMPLES, JULIE T. . Instructor (Nursing), 1982

B.S.; M.S.N., University of Florida, 1982

SANDERS, THOMAS E. . Associate Professor (English), 1968

B.A., M.A., University of Denver, 1951

SANDLER, JACK . Professor (Psychology), 1969

B.A., M.S.; Ph.D., Florida State University, 1969

SAPORTA, SAMUEL . Associate Professor (Anatomy), 1977

B.A.; Ph.D., University of Southern California, 1973

SARMIENTO, CYNTHIA D. . Lecturer (Computer Science Engineering), 1984

B.S.; M.S., Case Institute of Technology, 1976

SASMO, JEANNETTE L. . Professor (Nursing), 1979

B.S.; M.Ed., Ed.D., Columbia University, 1974

SASSER, EMERY L. . Professor - Chairperson (Mass Communications), 1973

A.B., M.A.; Ph.D., University of Illinois, 1967

SATO, ATSUSHI . Visiting Research Associate (Biotechnology), 1980

B.S.; M.S.; Ph.D., Tokushima University, 1979

SAXON, SUE V. . Professor (Gerontology), 1963

B.S.; M.D.; Ph.D., Florida State University, 1963

SCERBO, JOSE C. . Assistant Professor (Obstetrics and Gynecology), 1981

B.S.; M.D., University of Buenos Aires, 1971

SCHALEMAN, HARRY J., JR. . Associate Professor (Geography), 1969

St. Petersburg Campus

B.S.; M.A., University of Cincinnati, 1963

SCHENCK, DAVID P. . Associate Professor - Program Director (Languages), 1974

B.A.; M.A.; Ph.D., Pennsylvania State University, 1971

SCHENDEL, LAWRENCE A. . Assistant Professor (Florida Mental Health Institute), 1980

B.A.; M.A.; Ph.D., University of South Florida, 1981

SCHROEDER, HARRY D. . Professor - Director (Management), 1973

B.A.; M.A.; Ph.D., Ohio State University, 1954

SCHROTH, PETER E. . Assistant Professor (Visual Arts), 1981


SCHWARTZ, CAROL J. . Assistant Professor (Finance), 1982

B.S.; M.S., Ph.D., University of Florida, 1974

SCHWARTZ, JULIA L. . Assistant Head - University Librarian (Libraries), 1962

B.S.; M.S.L.S., Case Western Reserve University, 1955

SCOTT, JOHN O. . Business Manager USF Foundation (Development Office, University Relations), 1974

B.C.S.; B.A., University of South Florida, 1974

SCOTT, LINUS A. . Associate Dean - Professor (Energy Conversion and Mechanical Design), 1964

B.S.M.E., M.S.E.; Ph.D., Case Institute of Technology, 1960, P.E.

SCOURTES, CHRISTINE C. . Counselor/Adviser (Educational Leadership and Higher Education), 1973

B.A.; M.A., University of South Florida, 1973

SCURRIGS, CHARLES F. . Associate Professor (Languages), 1972

B.S.; M.A.; Ph.D., University of Kentucky, 1968

SCUDDER, PAUL H. . Associate Professor (Natural Sciences), 1972

New College of USF, 1978 Sarasota Campus

B.S.; Ph.D., University of Wisconsin, 1977

SEAGRAVE, FRANCES M. . Student Affairs Coordinator (Student Affairs), 1974 St. Petersburg Campus

B.A., M.Ed., Wayne State University, 1971

SEARLS, EVELYN F. . Associate Professor (Childhood Education), 1974


SEAVER, VICTORIA L. . Counselor to Students (Housing and Auxiliary Services, Student Affairs), 1982
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Institution</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.S., M.Ed., Middle Tennessee State University, 1982</td>
<td>Sedwick, Lyn A.</td>
<td>Visiting Assistant Professor (Ophthalmology)</td>
<td>1984</td>
</tr>
<tr>
<td>B.A.; M.D., Duke University School of Medicine, 1978</td>
<td>Seligsohn, Harriet C.</td>
<td>Academic Administrator (Evaluation and Testing, Academic Services)</td>
<td>1965</td>
</tr>
<tr>
<td>B.S.; M.A.; Ph.D., University of South Florida, 1976</td>
<td>Sheppard, Martin L.</td>
<td>Assistant Professor</td>
<td>1993 (Part time)</td>
</tr>
<tr>
<td>B.A.; M.A.; M.D., University of Michigan Medical School, 1976</td>
<td>Shepherd, John A.</td>
<td>Associate Professor (Family Medicine)</td>
<td>1978</td>
</tr>
<tr>
<td>B.S.; M.S.; University of Arizona School of Medicine, 1973</td>
<td>Silverman, Mitchell</td>
<td>Professor (Criminal Justice)</td>
<td>1968</td>
</tr>
<tr>
<td>B.A.; B.S., Ph.D., University of Arizona, 1970</td>
<td>Smith, Alice E.</td>
<td>Associate Professor (Exceptional Education)</td>
<td>1967</td>
</tr>
<tr>
<td>B.A.; B.S., M.D., University of Alabama, 1978</td>
<td>Smith, Elton B.</td>
<td>Assistant Professor</td>
<td>1981</td>
</tr>
<tr>
<td>B.S.B.S., Topwila National Medical College, 1968</td>
<td>Smith, Jane M.</td>
<td>Assistant Professor (Radiology)</td>
<td>1981</td>
</tr>
<tr>
<td>B.S., M.S.; University of Cincinnati, 1978</td>
<td>Shiloh, Eilon</td>
<td>Professor (Anthropology)</td>
<td>1973</td>
</tr>
<tr>
<td>B.A.; M.Ph., Loyola University of Chicago, 1974</td>
<td>Shelby, Stuart G.</td>
<td>Assistant Professor (Pathology)</td>
<td>1978</td>
</tr>
<tr>
<td>B.A.; M.S., Ph.D., University of California, Los Angeles, 1966</td>
<td>Shih, Peter C.</td>
<td>Assistant Professor (Radiology)</td>
<td>1969</td>
</tr>
<tr>
<td>B.A.; M.A.; Ph.D., Syracuse University, 1962</td>
<td>Shippard, Carol A.</td>
<td>Assistant Professor (Gerontology)</td>
<td>1983</td>
</tr>
<tr>
<td>B.A.; M.D., University of South Florida, 1975</td>
<td>Shriver, Robert H.</td>
<td>Area Administrator (Golf Course, Student Affairs)</td>
<td>1969</td>
</tr>
<tr>
<td>B.S.; M.D., Western Reserve University, 1953</td>
<td>Shortall, John W., III</td>
<td>Lecturer (Mechanical Engineering)</td>
<td>1980</td>
</tr>
<tr>
<td>B.S., Northwestern University, 1950</td>
<td>Showels, Warren J.</td>
<td>Professor (Economics)</td>
<td>1964</td>
</tr>
<tr>
<td>B.A., M.B.A., Ph.D., Georgia State University, 1968</td>
<td>Sidowski, Joseph B.</td>
<td>Professor (Psychology)</td>
<td>1969</td>
</tr>
<tr>
<td>B.A.; M.S., Ph.D., University of Wisconsin, 1956</td>
<td>Siebel, Jerry D.</td>
<td>Associate Professor (Accounting)</td>
<td>1976</td>
</tr>
<tr>
<td>B.B.A., M.S., Ph.D., University of Iowa, 1967, C.P.A.</td>
<td>Silber, Edward M.</td>
<td>Assistant Dean (Social and Behavioral Sciences)</td>
<td>1965</td>
</tr>
<tr>
<td>B.S.; M.A.; Ph.D., University of Florida, 1966</td>
<td>Silberger, Martin L.</td>
<td>Professor - Chairperson (Radiology)</td>
<td>1973 (Part time)</td>
</tr>
<tr>
<td>A.B.; M.D., Western Reserve University, 1962</td>
<td>Silverbach, Archie A.</td>
<td>Professor (Psychiatry)</td>
<td>1978</td>
</tr>
<tr>
<td>B.S., M.D., New York University College of Medicine, 1940</td>
<td>Silverman, John H.</td>
<td>Associate Professor (Internal Medicine)</td>
<td>1963</td>
</tr>
<tr>
<td>B.A., M.A., Ph.D., University of Colorado, 1971</td>
<td>Silverman, Stuart H.</td>
<td>Professor (Psychological and Social Foundations Education)</td>
<td>1970</td>
</tr>
<tr>
<td>B.S., Ph.D., Johns Hopkins University, 1953</td>
<td>Simmons, Andrew J.</td>
<td>Associate Professor (Accounting)</td>
<td>1969</td>
</tr>
<tr>
<td>B.A., M.D., Ph.D., Ohio State University, 1970</td>
<td>Smith, James M., Jr.</td>
<td>Professor</td>
<td>1981</td>
</tr>
<tr>
<td>B.A.; M.A.; M.D., University of California, Los Angeles, 1967</td>
<td>Smith, John L.</td>
<td>Assistant Professor (Psychology)</td>
<td>1967</td>
</tr>
<tr>
<td>B.A.; M.S., Ph.D., University of Arizona, 1972</td>
<td>Smith, John L., Jr.</td>
<td>Assistant Dean - Associate Professor</td>
<td>1981</td>
</tr>
</tbody>
</table>
FACULTY AND ADMINISTRATIVE STAFF

Acting

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SMITH, JUEL H. University Counseling Psychologist (Counseling Center for Human Development, Student Affairs), 1974

B.S.; M.A., University of South Florida, 1973

SMITH, PHILIP L. Associate Professor - Chairperson (Social Work), 1975

B.S.; M.S.W., University of Georgia, 1968

SMITH, WILLIAM A. Professor - Assistant Chairperson (Mechanical Engineering), 1966

B.S.M.E.; M.S., Ph.D., University of Florida, 1966

SNADER, JON C. Assistant Professor (Mathematics), 1982

B.S.; M.S., Ph.D., University of Illinois, 1982

SNIDER, ARTHUR D. Associate Professor (Electrical Engineering), 1970

B.S.; M.A.; Ph.D., New York University, 1971

SNOOK, JANICE B. Associate Professor - Chairperson (Political Science), 1968

A.B.; M.S.; Ph.D., University of Maryland, 1969

SNOW, SARA E. Visiting Instructor (Communication), 1983

B.S.; M.A., University of Virginia, 1980

SNYDER, KARYL J. Associate Professor (Educational Leadership and Higher Education), 1983

B.A.; M.Ed.; Ed.D., Texas Technical University, 1977

SNYDER, LEE D. Professor (Social Science), New College of USF, 1975 Sarasota Campus

B.A.; M.A.; M.Div.; Ph.D., Harvard University, 1966

SNYDER, ROBERT E. Associate Professor (American Studies), 1980

B.A.; M.A., Ph.D., Syracuse University, 1980

SNYDER, WALTER S. Assistant Professor (Industrial and Management Systems Engineering), 1981

B.A.; M.B.A., M.S.E., University of South Florida, 1978

SODEMAN, WILLIAM A., JR. Associate Dean - Professor (Comprehensive Medicine), 1969

B.S.; M.D., University of Pennsylvania, 1960

SOLC, HELAINE S. Assistant In (Medicine), 1981

B.A.; M.S.W., University of Houston, 1981.

SOLIC, MARY A. Continuing Education Coordinator (Life Long Learning), 1984

B.S., Pennsylvania State University, 1979

SOLMON, BARRY J. Associate Vice President - Associate Professor (Medical Center), 1984

B.S.; R.R.A.; M.B.A., Xavier University, 1960

SOLMON, DAVID A. Associate Professor (Internal Medicine), 1976

B.S., M.D., University of Maryland School of Medicine, 1969

SOLOMONS, T. GRAHAM Professor (Chemistry), 1960

B.S., Ph.D., Duke University, 1960

SOLOMONSON, LARRY P. Associate Professor (Biochemistry), 1970

B.A.; Ph.D., University of Chicago, 1969

SOMMER, ADA M. Associate Professor (Psychiatry), 1976 (Part time)

B.S.; M.A., University of Chicago, 1935

SOROLIS, SOPHIA M. Assistant In (Business Administration), 1984

B.A.; M.B.S., University of South Carolina, 1982

SPAIN, FRANK H. Director (Community College Relations), 1959

B.S., M.S.; Ed.D., University of Florida, 1954

SPARKS, AMY J. Professor (Humanities), 1968

B.A.; M.A., Ph.D., Louisiana State University, 1964

SPARKS-MCGLINCHY, BARBARA A. Student Affairs Coordinator (Intercollegiate Athletics), 1974

B.A., University of South Florida, 1983

SPARLING, WILLIAM A. Assistant Professor (Public Health), 1984

B.S.; M.S.; M.P.H., Ph.D., University of California, Berkeley, 1984

SPECTER, STEVEN C. Associate Professor (Medical Microbiology), 1979

B.A., Ph.D., Temple University, 1975

SPECTOR, PAUL E. Associate Professor (Psychology), 1981

B.A.; M.A., Ph.D., University of South Florida, 1975

SPENCE, JAMES G. Assistant Professor (Economics), 1975

Ft. Myers Campus

B.S., M.A., Ph.D., University of Oklahoma, 1979

SPENCER, JONI A. Visiting Coordinator (Fine Arts), 1984

B.A., Northeast Missouri State University, 1981

SPIEGEL, PHILIP G. Professor - Chairperson (Surgery), 1978

B.A.; M.D., Northwestern University, 1960

SPIELBERGER, CHARLES D. Associate Professor (Psychology), 1972

B.S.; M.A., Ph.D., University of Iowa, 1954

SPIELLANE, JAMES R. Assistant Professor (Humanities), 1966

B.S.; M.A., University of Iowa, 1966

SPILLER, CAROLYN V. Associate Professor (Childhood and Language Arts Education), 1977 Ft. Myers Campus

A.B.; M.Ed., Ph.D., University of North Carolina, 1972

SPITZ, MARVIN H. Associate Professor (Exceptional Child Education), 1971

B.S.; M.Ed., Ed.D., University of Georgia, 1973

SPURGIN, DALE D. Lecturer (Physics), 1972

B.S.; M.A., University of South Florida, 1972

STABLEIN, JOHN J. Visiting Assistant Professor (Internal Medicine), 1981 (Part time)

B.S.; M.D., Abraham Lincoln College of Medicine, University of Illinois, 1976

STAFFORD, JOHN W. Associate Professor (Geography), 1969

B.S.; M.S.; M.A.; Ph.D., Michigan State University, 1971

STALNAKER, LEO, JR. Associate Professor - Director (Student Publications, Student Affairs), 1969

B.A.; M.A., University of South Florida, 1973

STAMPS, MIRIAM B. Assistant Professor (Marketing), 1982

B.A.; M.B.A., Ph.D., Syracuse University, 1982

STAMPS, SPURGEON M. D. Professor (Interdisciplinary Social Sciences), 1982

B.S.; M.A., Ph.D., Washington State University, 1974

STANKO, JOSEPH A. Associate Professor (Chemistry), 1973

B.S.; Ph.D., University of Illinois, 1966

STANTON, KENNETH D. Director (Instructional Media, Educational Resources), 1964

B.Des.; M.A., University of South Florida, 1968

STARK, WILLIAM R. Associate Professor (Mathematics), 1978

B.S.; Ph.D., University of Wisconsin, 1975

STEELE, CHRISTOPHER L. Associate Professor - Acting Chairperson (Theatre), 1979

B.A.; M.F.A., Southern Methodist University, 1979

STEINER, EDWIN, JR. Associate Dean - Professor (College Administration, Education), 1969

B.S.; M.A.; Ph.D., University of Texas, 1970

STELZMAN, RAINULF A. Professor (Languages), 1963

Dipl. E. Dipl. II., Dr. Phil., University of Freiburg, 1953

STENMARK, DAVID E. Professor (Psychology), 1977

B.A.; Ph.D., University of Alabama, 1969

STENZLER, STEPHEN A. Assistant Professor (Radiology), 1982

B.S.; M.S.; M.D., State University of New York at Stonybrook School of Medicine, 1978

STEPHENS, GERALD B. Lecturer (Fine Arts Events), 1981

B.A., M.A., Governors State University, 1972

STEPHENS, SARAH J. Professor (Natural Sciences), New College of USF, 1975 Sarasota Campus

B.S.; Ph.D., University of Texas, 1953

STEPHENS, WILLIAM L. Associate Professor (Accounting), 1971

B.S., M.A., D.B.A., Florida State University, 1971, C.P.A.

STERLING, ALAN L. Assistant Professor (Psychiatry), 1980

B.S.; M.D., Ohio State University, 1972

STEVENS, BRIAN. Professor (Chemistry), 1967

B.A., M.A., Ph.D., D.Sc., Oxford University, England, 1977

STEVENS, NOEL S. Associate Professor (Music), 1970

B.M., M.M., D.M.A., Eastman School of Music, 1959, Artist’s Diploma

STEWART, ROBERT G. Associate In (Marine Science Programs), 1984

B.S.; M.S., University of South Florida, 1981

STEWART, MARK T. Associate Professor (Geology), 1976

A.B.; M.S.; M.S., Ph.D., University of Wisconsin, 1976

STEWART, WILLIAM E. Professor (Medical Microbiology), 1982

B.S.; M.S., Ph.D., University of Texas Southwestern Medical School, 1969

STIRLING, HAMILTON W. Lecturer (Management), 1971

St. Petersburg Campus

B.S.; M.B.A., Rutgers University, 1968

STITH, MELVIN T. Associate Dean - Associate Professor (Business Administration), 1977

B.A.; M.B.A., Ph.D., Syracuse University, 1977

STITH, PATRICIA L. Counselor/Adviser (Academic Services), 1977

B.S.; M.A.; M.S., Syracuse University, 1976

STOCKARD, JANET E. Visiting Assistant In (Pediatrics), 1984

B.A., Boston University, 1969

STONE, DOUGLAS E. Professor (Measurement and Research Education), 1964
B.S.; M.A., Ph.D., New York University, 1977
WARD, JOHN C. Assistant Professor (Florida Mental Health Institute), 1982
B.A.; M.A., Ph.D., University of South Florida, 1981
WARFIELD, NANCY R. Assistant Professor (Music Arts), 1980
B.M., M.M., Temple University, 1984
WARREN, GRETCHEN W. Associate Professor (Dance), 1983
WARREN, JOHN R. Assistant Professor (Family Medicine), 1978
A.B., M.D., Indiana University School of Medicine, 1969
WATERMAN, PATRICIA F. Assistant Professor (Anthropology), 1969
B.S.; M.A., Ph.D., University of California, Berkeley, 1978
WATKINS, ALISON R. Visiting Instructor (Pediatrics), 1982
B.S.; M.S., University of South Florida, 1981
WATKINS, ARMIN J. Professor (Music Arts), 1960
B.M., M.M.; D.M., Indiana University, 1957
WATKINS, GEORGE M. Professor (Surgery), 1975
B.A.; M.D., Vanderbilt University School of Medicine, 1960
WEATHERFORD, ROY C. Associate Professor (Philosophy), 1972
B.A.; M.A., Ph.D., Harvard University, 1972
WEAVER, LEE A. Professor (Industrial and Management Systems Engineering), 1967
B.S.; M.S., Ph.D., University of Florida, 1972
WEBER, LEE A. Associate Professor (Biological), 1977
B.A.; M.S., Ph.D., University of Connecticut, 1975
WEEKS, WILLIAM W. Counselor to Students (Housing and Auxiliary Services, Student Affairs), 1982
B.S.; M.S., Florida State University, 1982
WEIBLEY, RICHARD E. Assistant Professor (Pediatrics), 1982
B.S.; M.D., University of South Florida, 1977
WEINBERG, HERMAN Associate Professor (Professional Physical Education, Education), 1970
B.A. ; M.A.; Ed. D., Temple University, 1969
WEINBERG, RICHARD B. Assistant Professor (Florida Mental Health Institute), 1981
B.A.; M.A.; Ph.D., University of South Florida, 1983
WEINZIEL, JON E. Associate Professor (Chemistry), 1973
B.S.; Ph. D., California Institute of Technology, 1968
WEISBERG, ROBERT H. Associate Professor (Marine Science Program), 1984 St. Petersburg Campus
B.S.; M.S., Ph.D., University of Rhode Island, 1975
WEISKOPF, WILLIAM J. Coordinator (Undergraduate Studies, Academic Services), 1984
M.A.; M.A.; Ph.D., Florida State University, 1980
WEISS, AVERY H. Assistant Professor (Ophthalmology), 1981
B.S.; M.D., University of Miami, 1974
WELKER, ROBERT F. Associate Professor (Accounting), 1966
A.B.; J.D.; M.B.A., University of South Florida, 1974
WELLS, DANIEL A. Professor (English), 1970 St. Petersburg Campus
B.A.; M.A., Ph.D., Duke University, 1972
WELTER, CLYDE W. Associate Professor (Adult Vocational Education), 1979
W.S.; Ph.D., Ohio State University, 1970
WENZINGER, GEORGE R. Associate Professor (Chemistry), 1963
A.B.; Ph.D., University of Rochester, 1960
WEST, M. DELE. Counselor to Students (Housing and Auxiliary Services, Student Affairs), 1984
B.A.; M.Ed., University of Louisville, 1984
WEST, ROBERT J. Professor-Chairperson (Accounting), 1964
B.S.; M.S., Florida State University, 1961, C.P.A.
WEST, WILLIAM W. Professor (Mathematics Education), 1970
B.A.; M.A.; Ph.D., Syracuse University, 1966
WHEELEN, THOMAS L. Professor (Management), 1983
WHEELER, JAN Instructional Specialist (Provost), 1980
New College of USF, 1984 Sarasota Campus
B.A.; Atkinson College, 1973
WHEELER, RAYMOND H. Professor (Sociology), 1965
B.S.; M.A.; Ph.D., University of Michigan, 1962
WHITAKER, ROBERT D. Professor (Chemistry), 1962
B.S.; Ph.D., University of Florida, 1959
WHITE, ANNE S. Counselor/Advisor (Undergraduate Studies), 1969
B.A., Florida Memorial College, 1974
WHITE, JANIS A. Visiting Program Director (Math Science and Health Education), 1983
B.A., University of South Florida, 1975
WHITE, MICHAEL J. Associate Professor (Management), 1968
B.E.E.; M.B.A.; Ph.D., University of Florida, 1972
WHITE, NANCY M. Assistant Professor (Anthropology), 1983
B.A., M.A., Ph.D., Case Western Reserve University, 1982
WHITE, ROBERT L. Assistant Professor (Social Work), 1978
B.A.; M.S.W., University of North Carolina, 1963
WHITEFORD, LINDA M. Assistant Professor (Anthropology), 1981
B.A.; M.A., Ph.D., University of Wisconsin, Milwaukee, 1979
WHITTAKER, GERALD F. Associate Professor (Accounting), 1978
St. Petersburg Campus
B.A.; M.A.; B.A., Ph.D., Northwestern University, 1974
WICKSTROM, ERIC Assistant Professor (Chemistry), 1982
B.S.; Ph.D., University of California, Berkeley, 1972
WIEAND, KENNETH F. Associate Professor (Finance), 1980
B.S.; M.A., Ph.D., Washington University in St. Louis, 1970
WIENER, CURTIS W. Associate Professor (Anthropology), 1972
B.A.; M.A., Ph.D., University of Arizona, 1975
WILES, JOHN W. Professor (Educational Leadership Education), 1981 St. Petersburg Campus
WILEY, PARIS H. Associate Professor (Electrical Engineering), 1982
B.S.; M.S.E.E., Ph.D.E.E., Virginia Polytechnic Institute and State University, 1973
WILK, ROGER E. Professor (Educational Measurement and Research), 1972
B.S.; M.A., Ph.D., University of Minnesota, 1957
WILKES, CHARLES K. Associate Professor (Music Arts), Florida State University, 1981
B.A.; M.F.A., Florida State University, 1981
WILLIAMS, JOSEPH F. Associate Professor (Obstetrics/Gynecology), 1984 (Part time)
B.S.; M.D., University of Miami, School of Medicine, 1980
WILKINSON, STUART Assistant Professor (Mechanical Engineering), 1984
B.S.; M.S.E.E., Ph.D., South Hampton, 1984
WILLIETTS, RUTH J. Assistant Professor (Social Work), 1981
B.A., M.S.W.; D.S.W., University of California, Berkeley, 1981
WILLIAMS, CAROL A. Associate Professor (Mathematics), 1968
B.A.; Ph.D., Yale University, 1967
WILLIAMS, CHARLES C. Assistant Professor (Internal Medicine), 1980
B.S.; M.D., University of Pittsburgh, 1973
WILLIAMS, DAVID K. Assistant Professor (Theatre Arts), 1975
B.A.; M.F.A., Florida State University, 1981
WILLIAMS, J. KELL Assistant Professor (Obstetrics and Gynecology), 1982
B.S.; M.D., Wayne State University School of Medicine, 1972
WILLIAMS, JAMES R. Professor (Anthropology), 1969
B.S.; M.A., Ph.D., Missouri University, 1971
WILLIAMS, JOSEPH F. Associate Professor (Pharmacology-Therapeutics), 1972
B.A.; Ph.D., University of Utah, 1970
WILLIAMS, JUANITA H. Professor (Interdisciplinary Social Science), 1966
A.B.; M.A., Ph.D., Temple University, 1963
WILLIAMS, MARVIN T. Associate Professor (Biochemistry), 1978
B.S.; M.Ed., M.S.; Ph.D., Cornell University, 1976
WILLIAMS, PAUL R. Associate Professor (Pediatrics), 1979
B.S.; M.D., Washington University School of Medicine, 1969
WILLIAMS, WALTER E. Assistant Professor (Mathematics), 1961
B.A.; M.A.; Ed. D., Nova University, 1979
WILMOTH, FRANK R. Assistant Professor (Physiology), 1979
B.S.; Ph.D., University of Missouri, 1979
WILLIAMSON, MARY L. Visiting Instructor (Psychiatry), 1970
B.A., M.S., Wayne State University, 1968
WILSON, ROBERT M. Associate Professor (Economics), 1978
B.A.; M.A., Ph.D., Northwestern University, 1977
WILSON, THOMAS C. Associate Professor (Library, Media and Information Studies Education), and Y.O.U. (Educational Resources), 1968
B.S.; M.A., Ed. D., Wayne State University, 1970
WIMMER, LYNN A. Assistant Professor (Dance), 1983
WIMMERT, ROBERT J. Professor (Industrial and Management Systems Engineering), 1964
B.S.M.E., M.S.I.E., Ph.D., Purdue University, 1957, P.E.
WINGARD, RICHARD M., SR. Area Administrator (Housing and Auxiliary Services), 1982
JOHNSON, G. ORVILLE (Deceased) Professor Emeritus (Exceptional Child Education), 1972-1984

JURGENSEN, LOUIS C. Professor (Accounting), 1966-1981

KAPLAN, MAX Professor (Sociology), 1967-1978

KAUNDER, EMIL (Deceased) Distinguished Lecturer Emeritus, 1968-1973

KELLER, WALTER D. Professor (Geology), 1970-1973

KENDALL, HARRY W. Professor (Physics), 1960-1984

KIEFER, H. CHRISTIAN Professor (English), 1960-1985

KING, ARLINE T. University Librarian (Libraries), 1964-1984

LAKELA, OLGA (Deceased) Research Associate (Botany), 1960-1970

LEVITT, ROBERT Director (Admissions, Student Affairs), 1968-1981

LYON, JOE R. Associate Professor Emeritus (Biology), 1963-1982

LONDON, ROSE (Deceased) Librarian Emeritus (Sarasota Library), 1975-1980

LUCKENBACH, LEON R. (Deceased) Associate Professor (Mathematics), 1960-1974

MCCLUNG, GENE Professor (Accounting), 1960-1983

St. Petersburg Campus

MCCLUNG, NORVEL Professor (Biology), 1966-1985

MACKAY, E. MAXINE University Librarian (Libraries), 1975-1985

MANKER, CHARLES C., JR. (Deceased) Professor (Psychological and Social Foundations), 1966-1984

MARIN, GERALD S. Instructor (Student Personnel Office, Education), 1969-1985

MERRIAM, HARLAND C. Professor (Childhood and Language Arts Education), 1969-1981

MERRIAM, KEMPER W. Professor (Accounting), 1967-1982

MILLER, GEORGE H. Program Director (Southeast Center Cooperative Education Grant), 1960-1980

MONLEY, LAURENCE E. Professor (Mathematics Education), 1960-1984

MURPHY, ROBERT J. Associate Professor (Economics), 1966-1984

NELSON, GID E., JR. Professor Emeritus (Biology), 1960-1981

NEUBERGER, HANS H. Professor Emeritus (Geography), 1971-1974

NOER, RUDOLF J. Professor Emeritus (Surgery), 1970-1977

OBERMEYER, CHARLES (Deceased) Lecturer (American Idea), 1964-1970

ODONNELL, MAURICE E. Associate Professor (Public Administration), 1966-1984

OCHSHORN, MYRON G. Associate Professor (English), 1963-1985

O'HARE, LEO H. Lecturer (English), 1960-1969

ORDONO, ANDRES J. Lecturer (American Studies), 1966-1984

PALM, JOHN W. Assistant Professor Emeritus (Interdisciplinary Social Science), 1970-1981

PALMER, ROBERT E., JR. Associate Professor (Adult and Vocational Education), 1970-1985

PARKER, JOHN W., JR. Professor (English), 1963-1985

PARKER, JAMES A., JR. Professor (English), 1960-1985

PEARCEY, WALTER E., JR. Instructor (Childhood and Language Arts Education), 1970-1985

POPE, JAMES S. Lecturer (Education), 1969-1976

PRATHRER, SAM Associate Professor (Elective Physical Education), 1962-1983

PREScott, Gerald R. Associate Professor (Music Education), 1967-1985

RAY, JAMES D., JR. Dean-Professor (Natural Sciences), 1959-1983

RIMBey, DONALD H. Professor (Energy Conversion Engineering), 1967-1980

ROBERSON, BRUCE W. Lecturer (Accounting), 1966-1976

St. Petersburg Campus

ROSE, DONALD C. Professor (Mathematics), 1960-1983

ROTHWELL, STUART C. Professor Emeritus (Geography), 1965-1979

SANDERSON, ARTHUR M., JR. Professor Emeritus (Math Sciences), 1965-1981

SARETT, ALMA J. (Deceased) Professor Emeritus (Speech), 1960-1970

SEXTON, IRENE Associate Professor (Childhood and Language Arts Education), 1969-1979

SHACKSON, L. LEE Professor Emeritus (Humanities), 1964-1974

SHANNON, ROBERT L. Professor (Childhood and Language Arts Education), 1960-1984

SHERMAN, JAMES Professor (Management), 1967-1984

SHERMAN, ROGER T. Professor (Surgery), 1972-1982

SILVER, JAMES W. Professor Emeritus (History), 1969-1979

SMITH, B. Othanel Professor Emeritus (Education), 1969-1975

SMITH, NORMAN V. Lecturer (Engineering), 1968-1975
SMITZES, MELPOMENE .......... Associate Professor (Exceptional Child Education), 1965-1983
SOKOLSKY, ANATOLE .......... Associate Professor (Modern Languages), 1961-1972
STANTON, EDGAR E., JR ........ Professor (American Studies), 1960-1977
STEINKE, GEORGE C ............ Associate Professor (Economics), 1971-1983
STONE, LEO D ........ Lecturer (Finance), 1974-1981 St. Petersburg Campus
STUBBLEBINE, ALBERT N., JR ........ Assistant Professor (Engineering), Coordinator (Cooperative Education Program), 1964-1968
SULLIVAN, MARY S .......... University Librarian (Educational Resources), 1968-1979
TAYLOR, SPAFFORD C .......... Associate Professor (Elective Physical Education, Education), 1963-1984
THOMPSON, SHERMAN .......... Associate Professor (Adult and Vocational Education), 1966-1983
TIPTON, HENRY C ............ Assistant Professor (Biology), 1965-1980
TOOTHMAN, REX C ............ Associate Professor (Adult and Vocational Education), 1970-1980
TURBEVILLE, JOSEPH E., JR .......... Lecturer (Physics), 1964-1984
TWIGG, JOHN F. (Deceased) .... Associate Professor (Engineering), 1964-1981
URBAKER, RAYMOND A. (Deceased) .... Professor (Measurement and Research Education), 1961-1981
WARD, ANNIE .......... Professor (Measurement and Research Education), 1972-1980
WARNER, ROBERT A .......... Professor Emeritus (Interdisciplinary Social Science), 1960-1975
WEINGARTNER, CHARLES ....... Professor Emeritus (Psychological and Social Foundations Education), 1970-1981
WHITNEY, VERNON W .......... Associate Professor (Social Science and Letters Education), 1966-1982
WILEY, RUSSELL W .......... Professor-Coordinator (Education), 1966-1975
WINTHROP, HENRY (Deceased) .... Professor Emeritus (Interdisciplinary Social Science), 1960-1978
WUNDERLICH, HERBERT J ....... Vice-President For Student Affairs Emeritus (Student Affairs), 1962-1972
WURSTER, MARGUERITE S ....... Associate Librarian (SUS Extension Library), 1965-1978 St. Petersburg Campus
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