ACADEMIC PROGRAMS AND SERVICES

USF/FLORIDA PUBLIC COMMUNITY COLLEGE CROSS ENROLLMENT

Some undergraduate students may find it advantageous to cross enroll at a Florida public community college while attending USF. *To prevent problems with financial aid and other registration issues, see a USF college advisor for detailed instructions and course approval.* Procedures to permit this type of registration are available during specified times printed in the University **Schedule of Classes**. Credit hours for the course(s) taken at the host institution will apply toward graduation only if prior approval was received from the student's USF advisor. The grade point average will not transfer to USF.

TRANSIENT STUDENTS

USF degree-seeking students who wish to enroll at another regionally accredited institution MUST HAVE PRIOR WRITTEN APPROVAL from their college academic advisor to receive credit for courses taken. The transient student/cross enrollment form should be used for this purpose. *First term, first time in college freshmen are not eligible for USF awarded financial aid if granted transient student status.*

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

USF allows students to receive up to 45 semester hours of credit towards the baccalaureate degree upon successful completion of General and Subject College Level Examination Program (CLEP), IB, and DANTES examinations. Performance levels necessary to achieve credit have been established at a common level for all universities and community colleges in the State system. Credit earned through one examination program may not be duplicated by another examination or course. The following limitations should be recognized:

1. CLEP credit will not satisfy USF's residency requirement;
2. Credit for the General Natural Science examination will be granted for non-majors only.

Certain General and Subject CLEP Examinations noted in the table below may apply to the General Education Liberal Arts Requirements. Some programs do not award credit toward the degree for certain CLEP examinations, and certain graduate or professional schools such as law, medicine and engineering may not grant equal recognition to students with extensive examination credits. An academic advisor should be consulted to ascertain the applicability of a specific CLEP examination toward a student's degree requirements and the advisability of taking the examinations in a student's specific situation.

Descriptions of the examination content and other information are available from Educational Testing Service in Princeton, New Jersey or in the Office of Evaluation & Testing (SVC 2054).

The CLEP General and Subject Examinations are administered on a daily basis on the Tampa Campus. Testing schedules are available in the Office of Evaluation & Testing (SVC 2054). Prior registration is required.

For information regarding CLEP examinations, please go to the Evaluation and Testing web site http://www.usf.edu/ugrads/eandt/clep.htm.

For information regarding discontinued exams or examinations taken prior to July of 2001 or those not listed, contact Evaluation and Testing or call 974-2742.

ADVANCED PLACEMENT CREDIT PROGRAM

The University participates in the Advanced Placement Program conducted by the College Entrance Examination Board. The Advanced Placement Test is based on specific college level courses that are offered in a number of high schools. Interested students should contact their high school counselors or principals for additional information. Please note: not all colleges will interpret AP test results in the same manner. Consult the table below to ascertain how the University of South Florida interprets AP test results.

For information regarding CLEP examinations, please go to the Evaluation and Testing web site http://www.usf.edu/ugrads/eandt/ap.htm.

COLLEGE REACH-OUT PROGRAM

Location/Phone: HMS 497 or 499, (813) 974-3713

College Reach-Out is an academic program designed for low-income and educationally disadvantaged middle and high school students who have the academic potential for success in a postsecondary institution and plan to pursue a postsecondary education. The focus of the program is to prepare students to meet higher education requirements established for admission to colleges and universities by providing tutoring and counseling services. Students will be exposed to a variety of personal, social, academic, educational, and career opportunities through participation in year round and summer academic enrichment programs. Admission requirements are listed below:

1. Family income must meet state guidelines.
2. Students must have completed the 5th grade.
3. Students must have a 2.0 grade average in English, mathematics, history, and science.
4. Students must attend schools in Hillsborough County.
   Applications should be forwarded to the College Reach-Out Program, HMS 497 or 499, USF or mailed to USF at HMS 413.

UPWARD BOUND

Location/Phone: HMS 469, (813) 974-2802

Upward Bound is a pre-college program for students from low-income families who have academic potential but who have inadequate secondary school preparation or have not achieved success in school.

Its purposes are to assist these students in developing goals, improving academic skills, and providing the motivation necessary to achieve success in a college or post-secondary program. To qualify, the applicant must meet the following criteria:

1. Family income must meet federal guidelines.
2. Applicant should be a potential first-generation college student.
3. Student must have completed the 9th grade and be enrolled in the 10th or 11th grade in an accredited high school.
4. GPA must be 2.3 ("C") or above in basic pre-college courses.
5. Attend weekly scheduled tutorial sessions.
6. Attend the six-week summer residential component on the USF Tampa Campus.
   Applications should be forwarded to Director, Project Upward Bound, USF.

INDEPENDENT STUDY

Undergraduate students wishing to take a course by independent study must contact the instructor of the course for permission. The instructor specifies the requirements to be completed by the student including tests, periodic class attendance, term papers, etc.

Not all courses in the University may be taken by independent study. The respective colleges have jurisdiction in the determination of which courses may be taken in this manner.

The regular grading system applies to all independent study students. Grades earned by independent study have the same status as those acquired through regular class attendance. Students taking a course by independent study must register for the specific course section in the regular manner.

ENROLLMENT IN EVENING COURSES

Evening courses at USF are part of the regular academic program; they are offered at times convenient to people within commuting distance who wish to continue their education at night while occupied during the day with other responsibilities. Requirements for day and evening courses are the same.

COMMUNITY EXPERIENTIAL LEARNING PROGRAM

Location/Phone/Email: BEH 211, (813) 974-8452, jones@chuma1.cas.usf.edu

The Community Experiential Learning (CEL) Program offers students the opportunity to explore the relationship between their classroom learning and the broader community. With faculty guidance, students design their own community experiences and receive between one and four academic credit(s) upon completion. Students may choose to work as an intern with a community organization/agency or to explore a community issue through independent research. The community can be as close as a neighborhood just beyond the campus or on the other side of the world.

Students may participate in the CEL Program anytime during their academic career. Good standing at the University and a 2.0 GPA is required for acceptance into the Program. CEL courses are offered throughout the entire year. Ideally students should plan their CEL projects during the term prior to their implementation, but they can be added at any time during the term. Information may be obtained from Robin Jones in BEH 211, (813) 974-8452.

STATE UNIVERSITY SYSTEM CORRESPONDENCE COURSES

The University of Florida's Division of Continuing Education's (DOCE) Department of Correspondence Study administers all correspondence instruction for Florida's State University System (SUS).

Correspondence study at the University of Florida is a consortium of universities within the State University System of Florida that offers high school, undergraduate and graduate courses for credit through interactive, self-directed study.

DOCE provides courses for students who wish to begin college programs early, take courses with conflicting times or closed sections, meet prerequisites, pursue professional development, or personal enrichment. DOCE courses' content and requirements parallel their on-campus counterparts.

Enrollment in all courses is possible at any time of the year; however, prior approval of an advisor is needed if a course is to be used toward a diploma or a degree.

For more information, please contact: Department of Correspondence Study, 2209 NW 13th Street, Suite D, Gainesville, FL 32609; (352) 392-1711, or toll free at (800) 327-4218; or e-mail: learn@doce.ufl.edu. Be sure to check out the home page: http://correspondencestudy.usf.edu.

USF considers independent study by correspondence as resident credit. Grades are not transferable. Exception: grades for courses taken by Cooperative Education students while on a training period are transferred and will be used in computing the USF GPA.

FLORIDA COLLEGE EXCHANGE PROGRAM

Through an exchange agreement, students of USF, with the approval of their advisors, may elect courses at nearby Florida College. Credit for acceptable work may be transferred to USF and counted as elective credit toward graduation. Students from Florida College have a similar transfer arrangement.

Costs for students under these cross enrollment plans are based on credit hours of work taken, and payment is made to the appropriate institution in accordance with its per-hour fee rate.

Florida College students enjoy full privileges of the statewide articulation agreement and of USF transfer student policies, such as academic renewal and full acceptance of the Associate of Arts degree.

THE WASHINGTON CENTER INTERNSHIP PROGRAM

Location/Phone/Email: BEH 211, (813) 974-8452, jones@chuma1.cas.usf.edu

All USF undergraduates seeking to live and learn in the nation's capital are eligible to apply for the Washington Center Internship Program. Students participate in either the fall, spring or summer semesters and can earn course credit. Study at TWC consists of two major components: (1) working 35 hours per week at your selected internship and, (2) taking one seminar that meets once per week. Opportunities for internships are not limited to government positions, but include a vast array of non-profit and for-profit options.

In conjunction with The Washington Center located in Washington, D.C., students are housed in a conveniently located apartment complex within walking distance to public transportation (the Metro). The Washington Center also provides a student lecture series and a number of special events (e.g., breakfast with members of Congress, cultural events at the Kennedy Center). The costs of the program vary depending upon date of attendance. Generous scholarships are available.

Applications for the program can be obtained in the Community Initiative, SOC 346. For details on The Washington Center Internship Program, please contact Robin Jones, Faculty Liaison for TWC Internship Program, 4202 East Fowler Avenue, BEH 211, Tampa, FL 33620-8100.

Academic Services and Support

EDUCATIONAL OUTREACH

Faculty help line: onlinehelp@outreach.usf.edu
(813) 974-8001
Web site: http://www.outreach.usf.edu
Educational Outreach extends the University's academic resources to help lifelong learners meet their educational and professional goals. USF has the largest distance learning program in Florida, with more than 29,000 enrollments each year. Distance learning uses online (World Wide Web) and other types of established technology such as televisions and VCRs, enabling individuals to take courses in their homes and workplaces at times that best fit their personal schedules. Visit out website at http://www.outreach.usf.edu for more information.

Distance Learning

USF colleges and departments offer courses, certificates, and degrees in distance learning formats to meet the time, place, and pace requirements of a diverse student population. Over 800 courses are offered across disciplines using a variety of distance learning models: online (World Wide Web), instructional television (ITV), videoconferencing, streaming video, or broadcast on public and cable TV including WUSF (USF's public television station) and the Education Channel in Hillsborough County. Distance learning courses are included with regular departmental offerings in OASIS and identified by distance learning icons; contact the department offering the class for more information.

Continuing Education

USF Educational Outreach's Division of Continuing Education provides the following noncredit programs and services:

· Short courses for professional development and computer applications training (Professional & Workforce Development)
· Cultural, computer and personal enrichment courses (Senior Programs)
· Conference and event management (Conferences & Institutes)
· Meeting, training and computer lab room rentals (USF Downtown Center)

For more information, please visit our website at http://www.outreach.usf.edu or call (813) 974-5201.

The USF Library System

Web address: http://www.lib.usf.edu
Tampa Library: (813) 974-2729 (for hours, call 974-2727)
Shimberg Health Sciences Library (Tampa Campus): MDC 1200, (813) 974-2243
Louis de la Parte Florida Mental Health Institute Library (Tampa Campus): MHC 1744, (813) 974-4471
Nelson Poynter Library (St. Petersburg Campus): (727) 553-4305
Jane Bancroft Cook Library (New College/Sarasota Campus): (941) 359-4300
Polk Community College & USF Lakeland Campus Library: (863) 297-1042

All six libraries within the USF Library System contain over 1.7 million volumes, 13,000 serial titles, 47,000 electronic resources and 61,000 media materials. The state university libraries together contain over 10,000,000 volumes of information resources. Books and periodicals are cataloged and arranged on open shelves using the Library of Congress Classification System. Books may be checked out with renewal privileges; periodicals may not be checked out.

The USF Library System enhances teaching and learning through the delivery of online library resources and services to the dorm, office, or home as well as on-site at any of the USF Libraries. Special features include the online catalog, an electronic course reserve system, electronic journals, books and databases - some of which include additional full-text information, and digitized historical materials such as photographs, documents, and oral histories. Beyond content, there are numerous library services such as interlibrary loan request forms, the ability to renew materials, and reference assistance requests available on the website.

The Library catalog, also available online, may be searched by author, title, subject, and keyword to identify the libraries' holdings. The Library catalog contains records for the USF libraries, all ten state university libraries in Florida and online catalogs worldwide. Workstations located in various USF libraries provide access to the online catalog. Remote access to the same catalog is also possible through any campus workstation linked to the USF network or via dial-in procedures.

The USF libraries can obtain materials from each campus, SUS and other libraries upon request. Students, staff and faculty can have access to resources by requesting material using online forms found at the USF Library System web page at http://www.lib.usf.edu.

More information about the USF Library System, including the electronic resources and library services to distance learners, is available at http://www.lib.usf.edu.

TAMPA LIBRARY

Central to the philosophy of the Tampa Library is the view that the people it serves are equally as important as the books on its shelves. Students are encouraged to become familiar with the collection, to master the techniques of using it, and to achieve a familiarity with information resources that will carry over into later life.

The Tampa Library contains a collection of more than 1,091,000 volumes, 10,900 periodicals and 2,797,000 microforms of all types to support a broad range and depth of faculty and student research as well as personal knowledge and cultural advancement.

Reference Collection: The Reference Collection is located on the first floor of the Tampa Library. Reference librarians assist students and faculty with both electronic and print resources, including government documents. Reference assistance is also available online by selecting the Ask-A-Librarian link on our website. The Reference Collection consists of over 40,000 volumes including encyclopedias, dictionaries, indexes, and abstracting services. Reference librarians teach information literacy classes to students and faculty in support of teaching and research using state-of-the-art computer labs and classrooms. The catalog for USF and the other nine state universities; over 275 databases; full-text material and document delivery services and World Wide Web access. CALL/USF, the fee-based information service for community users, offers document delivery, and customized research.

Periodicals Collection: The Periodicals Collection is located on the second floor with service provided at the Periodical Information Desk and the Copier Assistance Desk. The collection contains more than 4,900 current periodicals and selected newspapers from Florida and major cities in the U.S. and foreign countries. A large collection of periodicals and newspapers in microfiche and microfilm is also located in the Periodicals Microform Room. The Library catalog and Internet workstations provide access to full-text databases and electronic journals. Also located here is a fee-based copy service as well as self-service photocopying equipment.

Government Documents Collection: The Library is a selective depository for United States government publications and a full depository for the public documents of Florida. The Government Documents Collection, which is housed in the basement of the Library, contains over 2 million items, including a wide variety of materials in print, microform, and electronic format. The Collection is augmented by the acquisition of United Nations committee reports on microfiche, selected publications of other public agencies, selected reference tools, and other specialized indexes and finding aids. Assistance with the location and use of publications in the Government Documents Collection is provided at the Reference Desk, which is located on the first floor of the Library. For access to a wide range of online government publications, please visit the Government Documents website at http://web.lib.usf.edu/tampa/govdocs/.

Special Collections Department: Located on the fourth floor, this department houses the Library's rare books, Florida history and other special collections, as well as the University's archives. Its holdings total over one million items, with rare and unusual materials ranging from 4,000 year-old Sumerian tablets to modern fine printing. In addition to books, Special Collections houses thousands of historical photographs, early maps, sheet music, printed ephemera and oral histories. The department holds a number of major archival collections, including the papers of Florida governors, congressmen and other political leaders, the Research Collection on the Nixon Presidency, and the records of Tampa's Spanish, Cuban and Italian immigrant mutual aid societies. Also present are the papers and manuscripts of literary figures like Piers Anthony and Dion Boucicault. The department's strongest area of emphasis is Florida history, but it also houses notable collections of historical children's literature, dime novels, early American schoolbooks, and cigar label art. An increasing number of the department's photographs and other resources are accessible on-line. Further information is available through the department's website at http://www.lib.usf.edu/spccoll/.

Access Services (circulation, interlibrary services, reserve): Access Services is located on the first floor. The reserve collection contains books, while all articles are on electronic reserve. Faculty may request books and articles to be placed on reserve by going to http://www.lib.usf.edu/accsvc/resform1.php. The Electronic Reserve System is accessible on the World Wide Web to any USF student. Circulating books that are shelved on the third through fifth floors can be checked out at the circulation service desk on the first floor. The Library uses an automated circulation system that facilitates easy and quick check out of books. Renewals can be done in person or on our website. A statement of the library's circulation policy is available at the Access Services Service desk and on the USF Library's home page. Interlibrary services can obtain materials from other libraries upon request. Thus students have access to resources beyond the onsite collections at each campus. Forms for requesting materials are located on the Library's home page at http://www.lib.usf.edu.

Library Media Resources: The Library Media Resources provides media materials for instruction, research, and curriculum support. Videocassettes, sound recordings, CD-ROMs,

slides, kits, and other audio-visual formats as well as music scores are available for loan. The Media Resources Lab provides equipment for individual use of all media in the collection and on reserve. Multi-media rooms are available for group use of the collection.

Instructional and Open-Use Labs: The Library supports three state-of-the-art labs of networked workstations. Two labs, located on the second floor, are reserved for library instruction. The third lab, located on the first floor is jointly maintained with Academic Computing as an open-use lab with facilities for word processing, electronic mail, and printing.

More information about the collections and services of the Tampa Library is available on the web at http://www.lib.usf.edu.

ACADEMIC COMPUTING

Web Site: http://www.acomp.usf.edu
Helpdesk: LIB 608, phone: (813) 974-1222, Florida toll-free: 1-866-974-1222, email: help-ac@usf.edu, web: http://help.acomp.usf.edu
AC Open-Use Lab: LIB 125, phone: 974-7616
AC Trainers: LIB 618A, phone: 974-3286, email: actrainers@mailman.acomp.usf.edu,
Web: http://training.acomp.usf.edu
Campus Network Information Site: http://www.acomp.usf.edu/network
Dialup Document Web Site: http://www.acomp.usf.edu/access
Netcast Broadcasting Site: http://www.netcast.usf.edu
Web Email Access: https://mailbox.acomp.usf.edu

Academic Computing provides services in direct support of instruction and research for students and faculty. Faculty at USF can find the resources and support necessary to bring technology into the classroom. Academic Computing administers the servers that are home to the on-line course system that provides a full suite of electronic tools for all classes. For more information see http://www.acomp.usf.edu/scholar. Additional services include broadcasting of public and academic lectures and forums over USF's intranet at http://www.netcast.usf.edu.

Student support services are provided through the Academic Computing Help Desk, the Academic Computing Open Use Computer Lab, and the Academic Computing Training Center. Walk in assistance for computer questions is provided. All USF students are provided with computing accounts, official USF email and Internet access. Registered students must activate their automatically generated USF NetID, computing account, and password at https://una.acomp.usf.edu. The NetID provides access to USF's Webportal (myUSF), web email, Webspace and access to all Open Use Labs at USF. Other services include phone support, on-line help and tutorials, one-on-one chat with Help Desk technicians and training workshops. Employment opportunities for students are available. Check our web site at http://jobs.acomp.usf.edu for information.

Academic Computing provides the University with High Performance, High Throughput, and Numerically Intensive Computing through its Research Computing Core Facility (RCCF) division. RCCF maintains three Beowulf class cluster computers, a Condor based grid-computing cluster and a SUN grid engine computing grid. It also maintains and supports licensing of numerically intensive software. Training in some HPC subjects is available online from the RCCF website, http://rccf.acomp.usf.edu.

Academic Computing supports the myUSF Portal. This Web Portal gives instructors the ability to put class materials, assessments, and discussion boards online easily. The Portal also makes available space for organizations, groups and clubs, and is customizable to make it more useful to every individual.

Academic Computing provides students and staff who are concerned with the security of their personal computer a variety of information guides as well as free download of McAfee VirusScan on the USF Data Security Web Site, http://security.usf.edu. Additionally, all valid USF students are provided with space for their personal web pages and a free email account they can access through the web from anywhere in the world.

INFORMATION TECHNOLOGIES/CFRDC

Phone: (813) 974-2930
Web Address: http://usfweb.usf.edu/usfit/

USF operates a large-scale computing facility designated as the Central Florida Regional Data Center (CFRDC), which provides the primary administrative computing support to the University of South Florida and several other agencies. CFRDC is a division within Information Technologies (IT) and its support staff consists of Computer Operations and Technical Support/Database Administration.

CFRDC utilizes a number of SUN/Solaris servers running Oracle based applications in support of USF, FGCU, NCF, UNF and UWF's Student, Financial, HR, Payroll and Data Warehouse applications. Numerous Windows servers support e-mail, web services, file and print and a variety of other applications. CFRDC administers servers and/or provides tape back-up services for several USF departments. IT is heavily involved in the management and operation of the campus-wide backbone network and the I-2 initiative, providing access to research facilities on campus and the world. IT also provides and supports the telephone and voice mail systems at all USF campuses, as well as other entities.

PUBLIC BROADCASTING

WUSF-TV (Channel 16, Tampa) is a noncommercial educational television station serving the communities of the Tampa Bay region as an important outreach arm of the University. One of the most watched public TV stations in Florida, WUSF-TV provides high-quality educational, instructional, informational, cultural, and public affairs television programming and services and broadcasts its programs in analog and digital TV. The station works closely with the School of Mass Communications to provide students with practicum experience. From its new state of the art facility, it serves viewers in the greater Tampa/St. Petersburg/Sarasota areas including Polk, Pasco, and Hernando Counties, as well as USF faculty, staff, students, and other educational agencies. It also provides extensive production and multi-media services to USF academic and support services units including telecourses, training videos, and DVD projects as well as to corporate clients. The station is a member of the Public Broadcasting Service (PBS), National Educational Telecommunications Association (NETA), Florida Public Broadcasting Service Inc. (FPBS), and the American Public Television Station Inc. (APTS). WUSF-TV is a charter member of the Program Resources Group Inc. (PRG).

WUSF (FM) 89.7 MHz (WUSF 89.7, Tampa-St. Petersburg-Clearwater and Sarasota) is a listener supported public radio station that is well known for providing quality in-depth news, classical music, jazz and entertainment programs for the 21st largest radio market in the country. It is the second most listened-to public radio station in Florida and broadcasts in analog and HD radio. WUSF 89.7 features NPR signature programs *Morning Edition* and *All Things Considered*; airs 74 hours of jazz each week overnight and provides entertaining programs such as *Car Talk*, *A Prairie Home Companion*, *Wait Wait… Don't Tell Me* and *This American Life*. WUSF 89.7 produces *The University Beat*, a program devoted to showcasing outreach efforts of the University of South Florida, and *Gulf Coast Showcase*, which focuses on the arts community and broadcasts locally recorded concerts from organizations such as the Florida Orchestra and La Musica of Sarasota. Live performances and interviews are regularly aired from the WUSF Performance Studio with some of the most talented national and local classical and jazz musicians in our area. Over 3.5 million people live within the coverage area which extends north to Crystal River, south to Venice and east to Winter Haven. The station provides production services, studio

rental and recording services to the USF community and corporate clients.

The **WUSF Radio Reading Service (RRS)** improves the lives of listeners who have severely-impaired vision and other disabilities by broadcasting readings of newspapers, magazines and shopping ads. The RRS can be heard 24 hours a day via special receivers that pick up the sub-carrier frequency of WUSF 89.7. These receivers are loaned to qualified listeners. The WUSF-RRS can also be heard on WUSF-TV/Channel 16's Secondary Audio Program (SAP) channel. More than 200 volunteers read live and record from studios in Tampa and at the Sarasota Opera House.

RESEARCH OFFICE

Location/Phone: ADM 200, (813) 974-5570
Web Address: http://www.research.usf.edu/

Creative research and scholarly activities are essential aspects of the undergraduate educational experience at USF. The promotion and administration of such are the responsibilities of the Research Office and its divisions, which provide services that enable USF faculty, staff, and students at all academic levels to be competitive in a dynamic research environment. The Research Office oversees the administration of research contracts and grants, patents and copyrights, federal and state research compliance regulations, USF's own internal award programs, economic development initiatives, public-private partnerships, research park development, technology transfer, and research activities at affiliated hospitals and institutes.

The Research Office supports undergraduate research through the Honors College (contact Dr. Stuart Silverman, email: silverman@honors.usf.edu) and the Undergraduate Research Program (contact Dr. Georg Kleine, kleine@chuma1.cas.usf.edu). In addition, specialized research projects are supported by grants that offer financial support for students. An excellent undergraduate research experience is available through the College of Engineering's Research Experience for Undergraduates (http://www.eng.usf.edu/%7Eschlaf/REU/; contact Dr. Rudy Schlaf, email: schlaf@eng.usf.edu). This program offers research assistantships supported jointly by the Office of Research and the College of Engineering, as well as select fellowships funded by the National Science Foundation. The Office of Research also supports the arts and, last year, to honor the anniversary of the discovery of DNA, sponsored an art competition for painting, computer imaging, and sculpting.

From developing a grant proposal or filing a patent, the Research Office staff are trained professionals committed to meeting the needs of USF researchers. In turn, the dedication of USF students and faculty has contributed to the phenomenal growth in research that USF has experienced. In 2003/04, USF received more than $290 million in research funding. USF got nearly half of its research funding from the federal government.

In addition to the programs noted above, students can become involved in research by contacting faculty, who, with the support of private and public agencies, contribute to our knowledge about the world in which we live and apply their findings and skills to solving many of the problems facing contemporary society. Many contributions evolve from basic research—others, from practical applications of new knowledge. USF encourages research as a vital part of the University's instructional programs. Additional information about services and programs offered by the Research Office is available at: http://www.research.usf.edu/.