Graduate Council Curriculum Subcommittee

January 10, 2007
12:00, MH 243

AGENDA

1. Approval of minutes from the December 13 meeting
2. Meeting times for this semester will remain at 12:00
3. AS to BS in Communication Sciences and Disorders
4. Addition of a Clinical and Lifestyle Sciences track, MS in Health Sciences
5. Review Biology split classes
6. Review Statistics and Act Science split class and revising a 5000 level course to a 6000 level
7. Revision to graduate certificate in Computer Forensics
8. Courses and special topics

University of Central Florida
Department of Communication Sciences and Disorders
Accelerated Bachelor's to Master's program

RECEIVED OCT 27 2006

Proposed Program

The program seeks to accelerate progression through the bachelor's degree program to the master's program for a small, select group of strong undergraduate majors in Communication Sciences and Disorders at the University of Central Florida. The proposal permits three required graduate courses (9 credit hours) and three graduate electives (9 credit hours) to be applied for credit in both the undergraduate and graduate programs. These 18 credit hours represent 25% of the total 72 credit hours in the graduate program, thus reducing the time to completion of the master's degree by one to two semesters. This reduction in time to completion of the master's degree will be targeted towards students who wish to pursue either the department's collaborative Ed.S. or Ph.D. programs in school speech-language pathology, thus allowing them to progress through the educational sequence in a more efficient timeframe.

Rationale for the Program

There is a critical shortage of master's level speech-language pathologists to serve individuals with communication disorders in the State of Florida as well as a nationwide shortage of doctoral level speech-language pathologists to work in the academy. The master's level shortage is even more pronounced for school speech-language pathologists, especially those required to serve clients from culturally and linguistically diverse backgrounds[1]. The Central Florida region possesses the rich cultural diversity of student population to meet the need for this community. If the right cohort of students is recruited, this region could supply the community with just these speech-language pathologists.

The accelerated program seeks to address this shortage by moving a select group of students through the master's program at a faster pace. By retaining a greater number of the strongest students for the master's program at the University of Central Florida, it is also anticipated that more graduates will remain to work in the State of Florida. Furthermore, the accelerated program will increase the overall academic standard of the master's program by retaining our 'best and brightest' here at UCF and ensuring a more competitive group of students for the department's new, collaborative educational specialist and doctoral programs in school speech-language pathology. Both of these new programs seek to distinguish themselves as leaders in the field of language and literacy disabilities. To accomplish this goal, the department needs to ensure a flow of excellent graduate students prepared to take on the challenges of educational specialist and doctoral education. The department firmly believes the accelerated bachelor's to

[1] Rosa-Lugo, R. Rivera, E., & McKowen, S. (1998). Meeting the critical shortage of Speech-Language Pathologists to serve the public schools—collaborative rewards. *Language, Speech, and Hearing Services in Schools, 29,* 232- 242.

master's program will assist in retaining students at the University of Central Florida and within the local community.

The new Ed.S program will prepare *school-based* speech-language pathologists (SLPs) who can respond to the spoken and written language needs of all children, especially those with communication disorders from lower income and diverse backgrounds. Students enrolling in this program will develop highly specialized skills in school-based practice. In addition, they will be eligible for a Reading Endorsement from the Florida Department of Education. This program is needed, because Florida is experiencing a long-standing, severe shortage of fully qualified personnel to serve students with disabilities, especially those in spoken and written language disorders. The shortage of school SLPs is well-documented and pervasive, affecting all regions of the state--urban, suburban, or rural. Although the need is greater in Florida than all other states except California, the shortage extends to almost every state in the nation. The Ed.S. in School Speech-Language Pathology will provide SLPs with the knowledge and skills necessary to partner with other educators in undertaking new and different leadership roles in schools. Dual certification in speech-language pathology and reading clearly will enhance the marketability of graduates, broaden their scope of practice, provide credentials commensurate with their education, and significantly increase entry-level salary. Above all it is anticipated that the education Ed.S. candidates receive will cause them to pursue schools as their first choice for employment.

The new Ph.D program will prepare doctoral-level personnel to meet the critical nationwide shortage of speech-language pathologists (SLPs) for work in the professorate. In particular, this program will prepare faculty with a broad emphasis in school-based speech-language pathology with a particular focus on spoken and written language disorders as addressed in the American Speech-Language-Hearing Association position paper entitled: *Skills and Knowledge Needed by Speech-Language Pathologists with Respect to Reading and Writing in Children and Adolescents.* Students enrolling in this program will earn a Ph.D in Education: Communication Sciences and Disorders Track, with a specialization in school speech-language pathology by participating in collaborative programming in Communication Sciences and Disorders, Reading, and Educational Studies. Today's practitioners, especially those in school settings, need this broader focus in order to enhance services for children and to collaborate with general and special education teachers, reading specialists, and psychologists to address language and literacy needs in the classroom, especially those of children and youth from culturally, economically, and linguistically diverse backgrounds. The doctoral level personnel prepared through this program will have the knowledge and skills to assume leadership roles in designing evidence-based programs for students with spoken and written language disorders, conducting research, and educating the next generation of school practitioners to address critical shortages in this specialized area. Although the program will be national in scope, it will be provide strong leadership for the Central Florida community.

Currently, the department requires 72 credit hours of master's level coursework, which includes a greater number of hours than many programs in the country. Many times, the department loses some of its best potential master's students to other programs that offer smoother academic transitions. By reducing the number of credit hours in the undergraduate program for a cohort of students, the program will create a more fluid transition and a more attractive graduate program. Because the accrediting professional body for Speech-Language Pathologists in the United States (Council on Academic Accreditation in Audiology and Speech-Language Pathology) only accredits master's programs, the department is able to offer more flexibility in the undergraduate program.

According to the U.S. Bureau of Labor Statistics (BLS), the employment rate of speech-language pathologists is expected to grow faster than the average for all occupations through the year 2012. In their estimates for 2002 to 2012, speech-language pathology ranked 12th out of the large-growth occupations that usually require a master's, doctoral, or first-professional degree. The BLS states that more than 26,000 additional speech-language pathologists will be needed to fill the demand between 2002 and 2012, a 27% increase in job openings. A total of 49,000 job openings for speech-language pathologists are projected between 2002 and 2012 due to growth and net replacements.[2]

Specific course program and equivalents

The following required graduate courses will be substituted for required undergraduate courses.

Graduate course	Undergraduate course
SPA 6404 Preschool Language Disorders	SPA 4400 Language Disorders Across the Lifespan
SPA 6204 Advanced Articulation	SPA 4201 Speech Disorders Across the Lifespan
SPA 6505 Entry-Level Practicum	SPA 4053L Undergraduate Practicum or SPA 4948 Community Internship

Additionally students will be permitted to substitute 9 credit hours of graduate electives for 9 credit hours of undergraduate electives. Students who wish to pursue either the collaborative Ed.S or the Ph.D. will be encouraged to select electives that apply to obtaining the Reading Endorsement (e.g., RED 5147, RED 5514, RED 6116) and/or provide a strong foundation in literacy disabilities (SPA 6148).

[2] U.S. Department of Labor (2004). Occupational employment projections to 2012. February 2004 Monthly Labor Review. Washington, D.C. (http://www.bls.gov/oco/home.htm).

Admission standards:

This program is reserved for the academically elite undergraduate majors in Communication Sciences and Disorders who intend to pursue the master's degree at the University of Central Florida. The program is most interested in serving undergraduates who have already considered pursuing either an educational specialist or a doctorate as their ultimate educational goal. Students accepted to the program must be juniors or seniors with at least a GPA of 3.5, have taken the Graduate Record Exam, and have achieved a cumulative score of at least 1000. Program candidacy is based upon faculty nomination. Each academic year, the program will admit no more than six to ten students.

Undergraduate catalog copy:

COMMUNICATION SCIENCES AND DISORDERS ACCELERATED UNDERGRADUATE-GRADUATE PROGRAM (B.A./B.S. and M.A.)

College Of Health and Public Affairs

Department of communication Sciences and Disorders

HPA II, Suite 101, 407-823-4798
www.cohpa.ucf.edu/comdis/
Bachelor's program E-mail: comdisug@mail.ucf.edu
Master's program E-mail: comdisma@mail.ucf.edu

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

Admission requirements

- Completion of the junior year of course work in communication sciences and disorders.
- 3.5 GPA or better in courses in the major.
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examination and a score of at least 500 on the verbal section.
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 18 credit hours of graduate course work will be formally admitted into the master's program in communication sciences and disorders following receipt of the bachelor's degree.

Degree Requirements

1. UCF General Education Program	**(36 hrs)**
A. Communication Foundations	9 hrs
B. Cultural Historical Foundations	9 hrs
C. Mathematical Foundations	6 hrs
Prefer MGF 1106 Finite Math	
Select STA 2014C or STA 2023	
D. Social Foundations	6 hrs
Select PSY 2012 Gen Psych	
Select one of the listed choices	
(ECO 2013, ECO 2023), or (POS 2041)	

E. Science Foundations	6 hrs
Prefer BSC 1005 General Biology	
Select one biological and one physical science	

2. Common Program Prerequisites **none**

3. Core Requirements **(48-51 hrs)**

DEP 2004	Developmental Psychology	3 hrs
SPA 3471	Communication Disorders in Literature and Media	3 hrs
SPA 3101	Physiological Bases of Speech and Hearing	3 hrs
SPA 3112	Basic Phonetics	3 hrs
SPA 3112L	Basic Phonetics Lab	1 hr
LIN 3716	Language Development: Birth Through 8 Years	3 hrs
SPA 3011	Speech Science I: Speech Production	3 hrs
SPA 3011L	Speech Production Lab	1 hr
LIN 3717	Language Development: 9-18 Years	3 hrs
SPA 3104	Neural Bases of Communication	3 hrs
SPA 3123	Speech Science II: Speech Perception	3 hrs
SPA 3123L	Speech Perception Lab	1 hr
SPA 4032	Audiology	3 hrs
LIN 4711	Language Analysis	3 hrs
LIN 4711L	Language Analysis Lab	1 hr
SPA 4321	Aural Habilitation: Rehabilitation	3 hrs
SPA 4478	Multicultural Aspects of Communication Disorders and Differences	3 hrs*
EAB 3703	Principles of Behavior Modification ***or***	3 hrs
EEX 4601	Introduction to Behavior Management ***or***	
EEC 4604	Guidance of Young Children ***or***	
EDF 3307	Learning Environments and Guidance for Young Children ***or***	
SPA 3472	Guidance of Young Children With Communication Disorders	
SPA 4550C	Clinical Methods in Communication Disorders	5 hrs

4. Statistics Requirement **(3-6 hrs)**

Students have two options for completing this requirement:

Option 1:

STA 2023	Statistical Methods IGEP and	3 hrs
STA 4163	Statistical Methods II ***or***	3 hrs

Option 2:

STA 2014C	Principles of Statistics (GEP) ***or***	3 hrs
STA 2023	Statistical Methods I **and**	
SPA 4803	Research in Communication Disorders	3 hrs*

5. Electives **(6 hrs min)**

B.A. Option

Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.

B.S. Option

Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department.

6. Shared Bachelor's and Master's Courses **(18 hrs)**

SPA 6404	Preschool Language Disorders	3 hrs
SPA 6413	School-Aged Language Disorders	3 hrs
SPA 6410	Aphasia and Related Disorders	3 hrs
SPA 6204	Articulation/Phonological Disorders	3 hrs
SPA 6805	Research in Communication Disorders	
	or	
SPA 5473	Multicultural Aspects of Communication Disorders and Differences	3 hrs
SPA 6505	Entry-Level Clinical Practicum	3 hrs

7. Foreign Language Requirements

Admissions: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Departmental Exit Requirements

- A minimum grade of "B" in all graduate courses.
- A minimum GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

9. University Minimum Exit Requirements(120 hrs)

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 36 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAST and nine hours of Summer credit (if applicable)

Total Semester Hours Required:120 hours

10. Courses taken toward Master's Degree

*In the Accelerated Program, students may elect to enroll in either SPA 5473, which replaces SPA 4478, **or** SPA 6805, which replaces SPA 4803.

Related Programs: Health Services Administration, Physical Therapy, Psychology, Social Work, Exceptional Student Education, Early Childhood Education

Related Minors: American Sign Language, Exceptional Education, Early Childhood Education, Aging Studies, Health Services Administration, Interpersonal Communication, Linguistics, Psychology

Transfer Notes:

- "D" (1.0) grades are not accepted
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

Graduate catalog copy:

The Department of Communication Sciences and Disorders also offers an accelerated bachelor's to master's program for highly qualified undergraduate majors in communication sciences and disorders.

Proposal for Offering
The MS in Health Sciences - track in Clinical and Lifestyle Sciences

The rationale and need for the new program has its foundation in the Healthy People 2010, the 2000 report of the U.S. Department of Health and Human Services. This is a comprehensive set of objectives in disease prevention and health promotion for the nation to increase the quality and years of healthy life and eliminate health disparities. Four of the 28 focus areas relevant here are: Diabetes; Heart Disease and Stroke; Nutrition and Overweight; and Physical Activity and Fitness. The report points out, in particular, that the leading causes of morbidity and mortality in the United States, including Florida, are largely preventable. Obesity, poor nutrition, and inadequate and insufficient physical activity lead to the chronic conditions of diabetes and cardiovascular disease. This report documents and highlights the need for interventions to change the causative conditions and behaviors by promoting healthy lifestyles. It notes that the relationship between these health behaviors and chronic disease, and changing lifestyles and disease prevention are suitable areas of focus for academic enquiry. Most importantly, inter-disciplinary education is necessary for specialists to meet future societal needs for adequately prepared clinical practitioners, researchers and industry leaders in the clinical and lifestyle sciences.

Lifestyle Medicine is the use of lifestyle interventions in the prevention, treatment and management of disease. Such interventions mainly include diet (nutrition), physical activity, and other behavioral modifications (i.e., stress management, smoking cessation).

The goals of the program are to provide graduates with:

- An advanced study of Clinical and Applied Physiology, Nutrition, and Clinical Research methodology in order to develop
    - an understanding of the physiological and pharmacological basis of the cardiovascular and musculoskeletal systems in health and disease, and their systemic interaction and metabolism
    - An understanding of the pivotal role of exercise and nutrition in modulating these systems to maintain health and prevent chronic disease.
    - The ability to translate these concepts to the promotion of healthy lifestyles that prevent chronic disease
- The skills to participate in population-based research on intervention strategies to develop and maintain healthy lifestyles.
- A interdisciplinary public health knowledge base derived from biomedical research and evidence-based practice
- The didactic, research and clinical skills needed to ensure professional preparation for work in Lifestyle Medicine Centers, Industry, Government Agencies, Public Relations, Private Practice, or clinical research.

The track in Clinical and Lifestyle Sciences could also serve as preliminary preparation for enrollment in a PhD program in a health science discipline. Graduates will be eligible to sit for American College of Sports Medicine (ACSM) Clinical Certifications as Exercise Specialist or Registered Clinical Exercise Physiologist.

Curriculum overview: The program will consist of 36 credit hours of required courses in in basic and clinical aspects of physiology, pharmacology, nutrition, and metabolism; the relationship between these systems and their role in health and chronic disease; and clinical investigation of aspects of these relationships through a research rotation. There is a thesis and a non-thesis option.

Required Courses—36 Credit Hours

- HSC 4148 Medical Pharmacology I (2 credit hours)
- HSC 4149 Medical Pharmacology II (2 credit hours)
- HSC XXXX Epidemiology of Chronic Diseases (3 credit hours)
- HSC XXXX Clinical Exercise Physiology (3 credit hours)
- HSC XXXX Human and Applied Metabolism (3 credit hours)
- HSC XXXX Introduction to Clinical Research (3 credit hours)
- HSC XXXX Introduction to Clinical Trials (3 credit hours)
- HSC XXXX Lifestyle Medicine (3 credit hours)
- HUN 5936 Principles of Human Nutrition (3 credit hours)
- HUN XXXX Clinical Nutrition (3 credit hours)
- PHT XXXX System Physiology (5 credit hours)
- HSC 6946 Clinical Rotation (3 credit hours)

Thesis Option - Students wishing to explore a scientific question in the area of clinical and lifestyle sciences may select this option subject to the availability of a faculty advisor in the area of interest. These students will complete all required courses above and at least 6 credit hours of HSC 6971 Thesis.

Nonthesis Option - Students wishing a coursework only option must complete 6 credit hours of HSC 6918 Research Rotation and write a comprehensive report relating their research experience to the concepts of lifestyle medicine studied in the didactic portion of the curriculum. This final written examination experience will be graded, and a student must earn a grade of "A" or "B."

There are some unique opportunities for educational experiences and research collaborations efforts with the newly established Center for Lifestyle Medicine, and, in the future, the recently approved College of Medicine and the Orlando branch of the Burnham Institute of Biomedical Research in the areas of Obesity and Diabetes. Some graduates of this program will also be interested in continuing their education in the planned PhD in Rehabilitation Sciences. The degree will also facilitate entry into numerous doctoral study programs such as Public Health and Biomedical Sciences.

Admission Requirements - Consideration for admission requires a baccalaureate degree from an accredited institution, a minimum GPA of 3.0 (A=4.00), 3 letters of recommendation and GRE Scores). Applicants from any academic background will be considered. Prerequisites are two semester of biology, two semesters of human anatomy and physiology, two semesters of physics, two semesters of general chemistry, one semester of organic chemistry, one semester of nutrition and one semester of exercise physiology.

Master of Science in Health Sciences – Clinical and Lifestyle Sciences Track

It is well documented that the leading causes of morbidity and mortality in the United States, including Florida, are largely preventable. Lifestyle Medicine is the use of lifestyle interventions in the prevention, treatment and management of disease. Such interventions include diet (nutrition), physical activity, and other behavioral modifications (i.e., stress management, smoking cessation). The MS concentration in Clinical and Lifestyle Sciences involves the advanced study of Clinical and Applied Physiology, Nutrition, and Clinical Research methodology. There is a thesis option with 36 hours of required courses and 6 hours of Thesis, and the non-thesis option with 36 hours of required courses and 6 hours of a Research Rotation.

This program prepares graduates for careers in Lifestyle Medicine Centers, Industry, Government Agencies, Public Relations, Private Practice, or Research. This program could also serve as preparation for enrollment in a PhD program in a health science discipline. Graduates of this program will be among those specialists who will meet future societal needs for adequately prepared clinical practitioners, researchers and industry leaders in this developing interdisciplinary area.

Admission

For information on general UCF graduate admissions requirements that apply to all prospective students, please visit the Admissions and Registration section of the Graduate Catalog. Applicants must apply online. Please be sure to submit all requested material by the established deadline(s).

In addition to the general admission requirements, applicants must provide:

- A bachelor's degree from a regionally accredited college or university and a GPA of at least 3.0 on a 4.0 scale for the last 60 attempted semester hours of credit earned for the bachelor's degree.
- Official Graduate Record Exam (GRE) scores (verbal and quantitative) from test taken within the last five years. Competitive students will have combined scores of at least 1000.
- Completion of undergraduate course work.
- Three letters of recommendation.
- Statement of career goals.
- For applicants from countries where English is not the official language, or for an applicant whose bachelor's degree is not from an accredited U.S. institution, an official score of at least 220 (computer-based test; or equivalent score on the paper-based test) on the Test of English as a Foreign Language (TOEFL) is required.

Admission to the program is competitive, based on evaluation of the applicant's abilities, past academic performance and research or work experience. Not all students who apply may be accepted, even if minimum requirements are met.

Students are encouraged to apply for fall admission. Admission for the spring semester will be considered on a limited basis. After acceptance, all students must meet with their academic adviser to plan a program of study.

Program Prerequisites

- 2 semester of biology
- 2 semesters of human anatomy and physiology

- 2 semesters of physics
- 2 semesters of general chemistry
- 1 semester of organic chemistry
- 1 semester of nutrition
- 1 semester of exercise physiology

Application Due Dates

All students applying for fellowships must apply by the Fall Priority deadline date.

U.S. Applicants

Program(s)	Fall Priority	Fall	Spring	Summer
Master of Science in Health Sciences – Clinical and Lifestyle Sciences track	Jan 15	Mar 15	Sep 1	

International Applicants

Program(s)	Fall Priority	Fall	Spring	Summer
Master of Science in Health Sciences – Clinical and Lifestyle Sciences track	Jan 15	Jan 15	Jul 1	

International Transfer Applicants

Program(s)	Fall Priority	Fall	Spring	Summer
Master of Science in Health Sciences – Clinical and Lifestyle Sciences track	Jan 15	Mar 1	Sep 1	

Master of Science in Health Sciences – Clinical and Lifestyle Sciences Track

Required Courses—36 Credit Hours

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- HSC XXXX Epidemiology of Chronic Diseases (3 credit hours)
- HSC XXXX Clinical Exercise Physiology (3 credit hours)
- HSC XXXX Human and Applied Metabolism (3 credit hours)
- HSC XXXX Introduction to Clinical Research (3 credit hours)
- HSC XXXX Introduction to Clinical Trials (3 credit hours)
- HSC XXXX Lifestyle Medicine (3 credit hours)

- HUN 5936 Principles of Human Nutrition (3 credit hours)
- HUN XXXX Clinical Nutrition (3 credit hours)
- PHT XXXX System Physiology (5 credit hours)
- HSC 6946 Clinical Rotation (3 credit hours)

Thesis Option

Students wishing to explore a scientific question in the area of clinical and lifestyle sciences may select this option subject to the availability of a faculty advisor in the area of interest. These students will complete all required courses above and at least 6 credit hours of HSC 6971 Thesis.

Nonthesis Option

Students wishing a coursework only option must complete 6 credit hours of HSC 6918 Research Rotation and write a comprehensive report relating their research experience to the concepts of lifestyle medicine studied in the didactic portion of the curriculum. This final written examination experience will be graded, and a student must earn a grade of "A" or "B."

Minimum Grade Requirements for Graduation

A grade point average of at least 3.0 (“B”) is required for graduation. Additionally, a student may earn no more than two grades of “C” to graduate. Students who earn two “Cs” will be warned, and students who earn a third “C” may be dismissed from further study in the major. See Policies Chapter, Academic Progress. In any course repeated, a student must earn a grade of “B” or better. A student who earns a grade of “D” or below will be dismissed from further graduate studies in this degree program.

Financial Support

Graduate students may receive financial assistance through fellowships, assistantships, tuition support, or loans. For more information, see Financing Grad School, which describes the types of financial assistance available at UCF and provides general guidance in planning your graduate finances. The Financial Information section of the Graduate Catalog is another key resource.

Key points about financial support:

- If you are interested in financial assistance, you are strongly encouraged to apply for admission early. A complete application for admission, including all supporting documents, must be received by the priority date listed for your program under "Admissions."
- You must be admitted to a graduate program before the university can consider awarding financial assistance to you.
- If you want to be considered for loans and other need-based financial assistance, review the UCF Student Financial Assistance website at http://finaid.ucf.edu and complete the FAFSA (Free Application for Federal Student Aid) form, which is available online at http://www.fafsa.ed.gov. Apply early and allow up to six weeks for the FAFSA form to be processed.
- UCF Graduate Studies awards university graduate fellowships, with most decisions based on nominations from the colleges and programs. To be eligible for a fellowship, students must be accepted as a graduate student in a degree program and be enrolled full-time. University graduate fellowships are awarded based on academic merit and therefore are not affected by FAFSA determination of need.

- Please note that select fellowships do require students to fill out a fellowship application (either a university fellowship application, an external fellowship application, or a college or school fellowship application). For university fellowship applications, see Financing Grad School.
- For information on assistantships (including teaching, research, and general graduate assistantships) or tuition support, contact the graduate program director of your major.

Contact Info

Theodore Angelopoulos, Ph.D., Professor
Phone Number: 407-823-0364
tangelop@mail.ucf.edu

University of Central Florida

Department of Biology

Approved by COS

To:	Dr. Michael Johnson, Associate Dean COS	October 26, 2006
Through:	Dr. Martin Quigley, Interim Chair Biology	
From:	Dr. Graham A.J. Worthy, Graduate Program Coordinator, Biology	
Re:	split 6000 and 7000 level courses	

It is our understanding that departments can offer 'split' courses if they are one level apart, but that most previous discussions have centered on splitting 4000 and 5000 level courses. The Department of Biology would like to explore a similar arrangement with a 6000/7000 split course. Specifically we would like to link our M.S. and Ph.D. versions of our "professional development" courses (PCB6095/PCB7090 and PCB6096/PCB7091). The 7000 level courses are not required if a PhD student has already completed a MS and therefore the students should be comparable in their abilities.

University of Central Florida

Office of the Dean
College of Sciences
Graduate Services Office

RECEIVED NOV 14 2006

Memorandum

To: Patricia Bishop
Vice Provost and Dean of Graduate Studies
From: Teresa Wilkerson SK
COS Graduate Office
Date: November 14, 2006
Re: Course Reviews
Cc: Dr. Michael Johnson

Attachments

On behalf of the College of Sciences, I herewith submit several items for review by the Course Curriculum Subcommittee of the Graduate Council at their next meeting. The submitting departments have offered or supplied the necessary information for Dr. Michael Johnson and the College Committee to approve these items.

Thank you for your attention to this. Please feel free to contact Dr. Johnson or me if you have any questions in regards to the enclosed material.

P.O. Box 161997 Orlando, FL 32816-1997 (407) 823-1997 FAX (407) 823-1998

University of Central Florida

RECEIVED NOV 1 4 2006

Department of Biology

To:	Graduate Council and Academic Affairs	October 16, 2006
From:	Dr. Graham A.J. Worthy *Department of Biology Graduate Program Coordinator*	
Re:		

The Department of Biology would like to request revised course numbers (6000 level) for the following courses. This request is related to our current effort to both increase the rigor of our graduate curriculum and elevate our expectations of our MS students.

Instructor: Quintana-Ascencio
PCB 5937 Methods in Experimental Ecology.
BOT 5623C Plant Ecology.
PCB 5480C Quantitative Conservation Biology.
Instructor: Fauth
PCB 5048C Restoration Ecology.
Instructor: Shetlar
PCB 5107C Advanced Cell Biology.
Instructor: Nadeau
PCB 5108. Concepts in Plant Cell Biology.
Instructor: von Kalm
PCB 5256C Advanced Developmental Biology.
Instructor: Weishampel
PCB 5328C Landscape Ecology.
Instructor: Hoffman
PCB 5556 Conservation Genetics.
Instructor: Parkinson
PCB 5677 Molecular Evolution.

Graham Worthy

University of Central Florida

Department of Statistics
and Actuarial Science

MEMORANDUM

TO: COS Graduate Studies and Research Committee

FROM: David M. Nickerson, Interim Chair

DATE: November 27th, 2006

RE: Changes to STA 6948 and STA 5185

STA 6948: We are changing the number to 5948 to allow offering this class as a split-level course with STA 4942, the undergraduate version. Historically, the enrollments in STA 4942 and 6948 have been low and the cost of bringing in outside experts is high. Allowing these courses to be taught simultaneously makes better economic sense.

STA 5185: We are changing the number to 6185 since we currently have an undergraduate version of this course and we no longer need it to be listed at the 5000 level which allows undergraduates to enroll.

Orlando, Florida 32816-2370 • (407) 823-2289

Memorandum

Subject: Change in required courses, Graduate Certificate in Computer Forensics
From: Dr. Sheau-Dong Lang, Coordinator of Graduate Certificate in Computer Forensics
To: College of Sciences
Date: December 4, 2006

Currently the graduate certificate in computer forensics consists of 4 required courses (12 hours) and an elective (3 hours). One of the required courses is CHS 5518, The Forensic Collection and Examination of Digital Evidence (3 hours). We request that this requirement be modified to include an alternative course, CHS 5596, The Forensic Expert in the Courtroom (3 hours). The reasons for the modification are (1) to add an alternative course for the certificate program after CHS 5596 was reinstated by Chemistry's Forensic Science program; and (2) to allow potential online delivery of the certificate program.

Thus, the updated list of required courses for the certificate program will be:

Required Courses—12 Credit Hours

- CHS 5503 Topics in Forensic Science (3 credit hours)
- CHS 5518 The Forensic Collection and Examination of Digital Evidence (3 credit hours) or CHS 5596, The Forensic Expert in the Courtroom (3 hours)
- CGS 5131 Computer Forensics I: Seizure and Examination of Computer Systems (3 credit hours)
- CGS 5132 Computer Forensics II: Network Security, Intrusion Detection, and Forensic Analysis (3 credit hours)

The list of elective courses for the certificate program remains the same.

Respectively Submitted,

Sheau-Dong Lang, Coordinator
Graduate Certificate in Computer Forensics
Associate Professor, School of EECS
207 ENG III
(407)823-2474

Cc: Carrie Whitcomb, Director of NCFS

Approved COS: [illegible] 12/6/06