

FLORIDA INTERNATIONAL UNIVERSITY

CURRICULUM COMMITTEE BULLETIN



CURRICULUM COMMITTEE BULLETIN #4

February 18, 2003

The following curriculum information is presented to the University Community for its consideration. In accordance with the procedures of the University Curriculum Committee, objections to all proposed new courses, programs, or program/course modifications should be communicated, in writing, within two weeks of the publication date of this bulletin, to Professor Rosalie Hallbauer (Curriculum Committee), Leonard Bliss (Graduate Council), or Professor Gerardo Aladro (Undergraduate Council).

HEARING NOTICES

NAME: PH.D. IN BIOMEDICAL ENGINEERING
COLLEGE: College of Engineering
DATE: Friday, February 28, 2003
TIME: 11:00 AM
PLACE: DM 441 University Park, ACI-306 Biscayne Bay
CONTACT: Richard Schoephoerster, College of Engineering *(Joint Hearing: Graduate Council, Curriculum Committee)*

CERTIFICATE PROGRAM (No Hearing)

NAME: CERTIFICATE IN POPULATION AND DEVELOPMENT
COLLEGE: College of Arts & Sciences, International Relations
CONTACT: John F. Clark
OBJECTIVES: This certificate program offers an interdisciplinary focus on the dynamic and contested interrelationships between human populations and development. Students will become familiar with debates surrounding desirable population levels, various approaches to promote population increase or decrease, and an appreciation for the key role played by the scale (global, regional, national, or local) at which these debates and policies are negotiated. Students will gain an appreciation for the meanings of the term "development," become familiar with its history, and examine its application and outcomes in different places in the world. The ecological and environmental impacts of human populations, and the implications of this relationship on quality of life, are emphasized. Field experience in applied issues of population and development is required and provided.

This certificate is issued jointly by FIU and the University of Michigan and requires successful completion of the following three-part sequence: (i) During the first summer, student attends an intensive two-week course, "Fundamentals of Population and International Development," at the University of Michigan. Students enrolls for 3 credits of Independent Study credit through INR 4905 (or equivalent in student's major department). (ii) The following academic year, student completes three courses. Student must take at least one required course and one course from the core and at least one course outside the major department. This requirement may be satisfied by a required or a core course. Must receive a grade of "B" or better in all courses to count for the certificate, as per University of Michigan Population Program requirements. One course can be waived if the student has already completed it with a grade of "B" or better. (iii) During the second summer, student attends a 2-week orientation at the University of Michigan and completes a 10-12 week internship performed either in the U.S. or abroad, to be assigned by the University of Michigan Population Fellows Program. Student enrolls for 6 credits of internship through INR 4943 (or equivalent in student's major department).

18 total credits required for this certificate come from 3 credits of independent study from FIU during the first summer, 9 credits in the following academic year and 6 credits of internship in the second summer.

PROGRAM CHANGES, LISTED BY COLLEGE AND DEPARTMENT:

ARCHITECTURE: COURSES AND CURRICULUM CHANGES IN THE BACHELOR OF DESIGN: Contact: Nathaniel Belcher

PROPOSED

CURRENT

Course Prefix/No./Name

Course Prefix/No./Name

ARC 1131 Design Graphics 1
 ARC 1132 Design Graphics 2
 ARC 4058 Computer Applications in Design

ARC 1131 Graphic Communication 1
 ARC 1132 Graphic Communication 2
 ARC 4058 Computer App. In Architecture

ARC 1301 Design Studio 1
 ARC 1302 Design Studio 2
 ARC 2303 Design Studio 3
 ARC 2304 Design Studio 4

ARC 1301 Design 1
 ARC 1302 Design 2
 ARC 2303 Architectural Design 3
 ARC 2304 Architectural Design 4

ARC 2701 Hist. of Design - Antiquity to Middle Ages
 ARC 2702 Hist. of Design - Renaissance to XIX Century
 ARC 3243 Design Theories

ARC 2701 Architectural History 1
 ARC 2702 Architectural History 2
 ARC 3243 Design Theories

ARC 1461 Materials and Methods of Design
 ARC 2XXX Structures and Systems

ARC 1461 Materials and Methods of Construction
 BCN 2402C Structural Design

COLLEGE OF ARTS & SCIENCES - PROGRAM CHANGES - LISTED BY COLLEGE/DEPARTMENT:
INTERNATIONAL RELATIONS - REQUEST FOR ADDITION OF MINOR DEGREE DESIGNATION UNDER EXISTING
BACCALAUREATE: PROPOSAL FOR MINOR IN ASIAN STUDIES:

CONTACT: John F. Clark, International Relations

FIU is authorized to offer the baccalaureate degree in Asian Studies (CIP Code 1774) which is required to be a student's second major, and has been doing so as the B.A. in Asian Studies, beginning Fall 2002. The aim is to formalize current possibilities by establishing a formal minor. Required courses already exist; therefore, this minor program requires no additional resources, it simply offers more opportunities for students and will increase enrollment in these existing courses. The 15 credit minor in Asian Studies is designed for all students interested in pursuing interdisciplinary studies of Asia with an emphasis on an area studies approach in a comparative or global context. Students enrolling in the minor will be encouraged to receive credits from language courses, study abroad and internships. Up to six credits in language courses may be applied toward the minor. Through three successive Department of Education Title VI grants, curriculum development has flourished and enhanced the Institute for Asian Studies' academic programs, which include the Asian Studies, B.A. which requires three semesters of language, the Asian Globalization and Latin America 18-credit certificate which requires one semester of language and the new Japanese Studies 18-credit certificate which requires four semesters of Japanese. It is expected that many students will find that they are already taking sufficient courses to complete the minor, and through advising will become more aware of the other Asian Studies academic programs.

COLLEGE OF ARTS & SCIENCES - COMPUTER SCIENCES - CHANGES TO THE MASTER OF SCIENCE

School of Computer Science: Change in Master's Degree Requirements
 Faculty Contact: Raimund Ege

Current Program	Proposed Program
Master of Computer Science	Master of Computer Science
Required Courses The following 4 courses are required and must be completed with a grade of "B" or higher: CEN 5011 Software Engineering 3 COP 6611 Advanced Operating Systems 3 COT 5420 Theory of Computation I 3 COT 6405 Analysis of Algorithms 3	Required Courses 1. Required coursework: 15 credits CEN 5011 Advanced Software Engineering COP 6545 Advanced Database Management COP 6611 Advanced Operating Systems COT 5420 Theory of Computation I COT 6405 Analysis of Algorithms Required courses must be completed with an average of "B" or higher, and only one course may receive a grade less than "B-".
In addition, the student must take four graduate courses (12 credit hours) in the School of Computer Science. The program requires a "B" average or higher and a grade of "C" or higher in each course. A maximum of two courses may be transferred into the program from outside the University, subject to approval of the Graduate Committee.	2. Elective coursework: a. non-thesis option: 15 credits of elective courses b. thesis option: 9 credits of elective courses and 6 credits of master's thesis Elective courses can be selected from Graduate Course Offerings.
In addition, the student must satisfy one of the following two options: Thesis Option CIS 6970 Thesis 6 After completion of the other required courses, the student must conduct a research thesis. The topic must first be approved by the faculty member who will supervise the research and then by the Thesis Committee. The thesis will be accepted only after being read and approved by a Thesis Committee. An oral defense is required before the Thesis Committee.	Thesis Option After completion of the other required courses, the student must conduct a research thesis. The topic must first be approved by the faculty member who will supervise the research and then by the Thesis Committee. The thesis will be accepted only after being read and approved by a Thesis Committee. An oral defense is required before the Thesis Committee.
Non-Thesis Option Additional Course Work 6 The student is required to take two more graduate courses (6 credit hours) in the School of Computer Science.	

COLLEGE OF ARTS & SCIENCES, Continued:

SCHOOL OF COMPUTER SCIENCES: CHANGES IN DOCTORAL DEGREE REQUIREMENTS:

Contact: Raimund Ege

School of Computer Science: Change in Doctoral Degree Requirements

Faculty Contact: Raimund Ege

Current Program	Proposed Program
<p>Doctor of Philosophy in Computer Science</p> <p>Required Courses All students must complete the following courses and receive a grade of 'B' or higher in each.</p> <p>CEN 5011 Software Engineering 3 CEN 6501 Distributed Processing 3 COP 6545 Advanced Topics in Database Management 3 COP 6611 Advanced Operating Systems 3 COT 5420 Theory of Computation I 3 COT 6405 Analysis of Algorithms 3 COT 6421 Theory of Computation II 3 COP 5621 Compiler Construction 3</p> <p>In addition, all students:</p> <ol style="list-style-type: none"> 1. Must successfully pass a Qualifying Examination based on the student's course work. 2. Must take at least 18 hours of graduate elective courses approved by the Graduate Committee. 3. Must write a dissertation on their research and successfully defend it orally. 4. Must take, in total, 90 credits beyond the B.S. This includes at least 24 dissertation credits at FIU. 5. Must spend at least on academic year in full-time residence. Normally, this will be after passing the Qualifying Examination. <p>For additional information and for specific rules and regulations relating to the graduate program, please refer to the web site, (http://www.cs.fiu.edu/grad) or write to:</p> <p>Graduate Program Director School of Computer Science Florida International University University Park Miami, Florida 33199</p>	<p>Doctor of Philosophy in Computer Science</p> <p>Required Courses All students must complete the following courses and receive a grade of 'B' or higher in each.</p> <p>CEN 5011 Software Engineering 3 CEN 6501 Distributed Processing 3 COP 6545 Advanced Database Management 3 COP 6611 Advanced Operating Systems 3 COT 5420 Theory of Computation I 3 COT 6405 Analysis of Algorithms 3 COT 6421 Theory of Computation II 3 COP 5621 Compiler Construction 3</p> <p>In addition, all students:</p> <ol style="list-style-type: none"> 1. The student must pass at least six elective courses. In addition, the student must earn at least 24 dissertation credits. In total, 90 credits beyond the bachelor's degree are required. 2. The student must pass the Candidacy Examination, which is an oral examination of the student's knowledge in a broad research area. 3. The student must pass the Preliminary Examination, which is an oral examination of his or her dissertation proposal. 4. The student must write a dissertation on his or her research and successfully defend it orally in the Dissertation Defense. 5. Must spend at least on academic year in full-time residence. Normally, this will be after passing the Candidacy Examination. <p>For additional information and for specific rules and regulations relating to the graduate program, please refer to the web site, (http://www.cs.fiu.edu/grad) or write to:</p> <p>Graduate Program Director School of Computer Science Florida International University University Park Miami, Florida 33199</p>

ARTS & SCIENCES - PROPOSAL TO ESTABLISH UNIT-SPECIFIC GRADUATE ADMISSIONS STANDARDS - Computer Science

School of Computer Science: Change in Doctoral Degree Admission Requirements

Faculty Contact: Raimund Ege

Current Program	Proposed Program
<p>Doctor of Philosophy in Computer Science</p> <p>The requirements for admission to the doctoral program in Computer Science are:</p> <ol style="list-style-type: none"> 1. A baccalaureate or master's degree in Computer Sciences, or equivalent degree in a related field as judged by the School's Graduate Committee. 2. Present a minimum of a 'B' average on all upper division work and acceptable courses in Calculus and Statistics. 3. GRE scores of at least 1650 combined on the verbal, quantitative and analytical portions. The TOEFL must be at least 550. The GRE and TOEFL must have been taken within the past five years. 4. Three letters of recommendation from persons in a position to judge the applicant's potential for advanced graduate study in computer science. 5. Approval of the School of Computer Science Graduate Committee. <p>A maximum of 36 computer science related graduate semester hours earned elsewhere as a graduate degree seeking student may be transferred to FIU.</p>	<p>Doctor of Philosophy in Computer Science</p> <p>Admission The requirements for admission to the doctoral program in Computer Science are:</p> <ol style="list-style-type: none"> 1. A baccalaureate or master's degree in Computer Sciences, or equivalent degree in a related field as judged by the School's Graduate Committee. 2. Present a minimum of a 'B' average on all upper division work and acceptable courses in Calculus and Statistics. 3. GRE (general test), score of 1120 (verbal and quantitative combined), with a minimum quantitative score of 650. The TOEFL score must be at least 550. GRE must have been taken within the past five years and TOEFL within the past two years. 4. Three letters of recommendation from persons in a position to judge the applicant's potential for advanced graduate study in computer science. 5. Approval of the School of Computer Science Graduate Committee. <p>A maximum of 36 computer science related graduate semester hours earned elsewhere as a graduate degree seeking student may be transferred to FIU.</p>

COLLEGE OF ARTS & SCIENCES, Continued: SCHOOL OF COMPUTER SCIENCES: PROPOSAL TO ESTABLISH GRADUATE ADMISSIONS STANDARDS - MASTER'S DEGREE - Contact: Raimund Ege

Current Program	Proposed Program
Master of Computer Science Admission The following are in addition to the University's graduate admission requirements. 1. A Bachelor's Degree in Computer Science or equivalent degree in a related field from an accredited university or college as judged by the School's Graduate Committee. 2. 'B' average or better in all course work attempted while registered as an upper-division student in the Bachelor's degree. 3. Acceptable courses in Calculus and Statistics. 4. GRE (general test), scores of at least 1650 combined on the verbal, quantitative, and analytical portions. The TOEFL scores must be at least 550. Both GRE and TOEFL must have been taken within the past five years. 5. Three letters of recommendation from persons in a position to judge the applicant's potential success in graduate study. 6. Approval of the Graduate Committee.	Master of Computer Science Admission The following are in addition to the University's graduate admission requirements: 1. A Bachelor's Degree or equivalent in Computer Science from a regionally accredited institution. A degree in a related field is acceptable if the applicant shows evidence of computer science background suitable for entry into the master's program as judged by the Graduate Committee. 2. 'B' average or better in all course work attempted while registered as an upper-division student in the Bachelor's program, and a GRE general test score of 1000 (verbal and quantitative combined), with a minimum quantitative score of 600. 3. Three letters of recommendation from persons in a position to judge the applicant's potential success in graduate study. 4. Approval of the Graduate Committee.

COLLEGE OF ARTS & SCIENCES - MATHEMATICAL SCIENCES - CHANGES IN REQUIREMENT FOR B.S. IN MATHEMATICAL SCIENCES - Contact: Julian Edward

Old Program Requirements:

New Program Requirements

Upper Division Program

New Program Requirements

Bachelor of Science in Mathematical Sciences
Degree Program Hours: 120
Lower Division Preparation
 To qualify for admission to the program, FIU undergraduates must have met all the lower division requirements including CLAST, completed 60 semester hours; and must be otherwise acceptable into the program.

Required Courses

Common Prerequisites
 MAC 2311 Calculus I
 MAC 2312 Calculus II
 MAC 2313 Calculus III
 COP 2210 Introduction to Programming or
 COP 2230 Java Programming or
 CGS 2423 C for Engineers
 Completion of two of the following courses with labs:
 BSC 1010 General Biology I
 BSC 1010L General Biology Lab I
 BSC 1011 General Biology II
 BSC 1011L General Biology Lab II
 CHM 1045 General Chemistry I
 CHM 1045L General Chemistry Lab I
 CHM 1046 General Chemistry II
 CHM 1046L General Chemistry Lab II
 PHY 2048 Physics with Calculus I
 PHY 2048L Physics with Calculus Lab I
 PHY 2049 Physics with Calculus II
 PHY 2049L Physics with Calculus Lab II

Courses required for the degree:
 MAP 2302 Differential Equations
 MAS 3105 Linear Algebra

(NO CHANGES)

Required Courses
 COP 3337 Intermediate Programming 3
 COP 3402 Fundamentals of Computer Systems 3
 MAD 2104 Discrete Mathematics 3
 MAD 3401 Numerical Analysis 3
 MAD 3512 Introduction to the Theory of Algorithms 3
 MAP 4401 Advanced Differential Equations 3
 STA 3163-4 Statistical Methods I and II 3-3

In addition, two courses from the following list:
 COP 3530 Data Structures 3
 MAC 4402 Complex Variables 3
 MAD 3305 Graph Theory 3
 MAP 3103 Mathematical Modeling 3
 MHF 4302 Mathematical Logic 3
 STA 5446 Probability Theory 3

Electives
 The balance of the 60 semester hour requirement for graduation may be chosen from any courses in the University approved by the student's advisor.
 Remarks: The following courses are not acceptable for credit toward graduation, unless a student has passed the course before declaring a Mathematical Sciences major: MAC 2233, STA 1013, STA 3122-23, STA 2023, and QMB 3150 (College of Business Administration).

(Add the following courses to this list)
 MAD 4203 Intro to Combinatorics
 STA 4603 Mathematical Techniques in Operations Research I
 STA 4604 Mathematical Techniques in Operations Research II
 MAD 5405 Numerical Methods
 MAS 5145 Applied Linear Algebra

COLLEGE OF BUSINESS - DEPARTMENT OF FINANCE - BANKING CERTIFICATE PROGRAM DELETIONS -

Contact: E. N. Roussakis

The Department of Finance requests the deletion of FIN 4404 (Policies for Financial Management) from the Certificate in Banking (CIB) and from the Certificate in International Bank Management (CIBM). This is an alternative course and as such has not been taught in several years.

COLLEGE OF EDUCATION - CURRICULUM CHANGES WITHIN AN EXISTING TRACK - THE EXERCISE PHYSIOLOGY TRACK OF THE BACHELORS OF SCIENCE IN THE EXERCISE AND SPORTS SCIENCES PROGRAM.

Contact: Richard Lopez

<u>Old Track</u>	<u>New Track</u>		<u>New Track</u>
<p>I. The undergraduate Exercise Physiology Track is a 60 credit upper division track which prepares students to work in the fields of Adult Fitness, Clinical Exercise Physiology, and Strength and Conditioning.</p> <p>1. <u>Upper Division Courses: (60)</u> A. PET 3xxx Anatomy for Exercise and Sports Sciences B. PET 3xxxL Anatomy for Exercise and Sports Sciences Lab C. PET 3xxx Physiology for Exercise and Sports Sciences D. PET 3xxxL Physiology for Exercise and Sports Sciences Lab E. HUN 2201 Principles of Nutrition F. PET 4622 Athletic Injuries G. PET 3351 Exercise Physiology H. PET 3310 Kinesiology I. PET 4632 Advanced Treatment of Athletic Injuries J. PET 4632L Advanced Treatment of Athletic Injuries Lab K. PEP 4111 Health/ Fitness Instructor L. CGS 2060 Introduction to Microcomputers</p>	<p>I. The undergraduate Exercise Physiology Track has two specializations: the Cardiac Rehabilitation/ Adult Fitness Specialization and the Strength and Conditioning/ Adult Fitness Specialization. The Cardiac Rehabilitation/ Adult Fitness Specialization focuses on the physiological effects of exercise and training in the prevention and rehabilitation of cardiac disorders. The Strength and Conditioning/ Adult Fitness Specialization focuses on the effects of training on the improvement of athletic performance. The specialization also emphasizes the role of exercise in the prevention of disease.</p> <p>1. <u>Common Prerequisites</u> Students entering college prior to the Fall of 2002, with 36 semester hours or more, must meet the university's General Education Requirements. Students entering FIU as a freshman or transferring with less than 36 semester hours must meet FIU's Core Curriculum requirements. To satisfy the 8 semester hour natural sciences requirement, the student must take one restricted selection from the biological sciences with its corresponding lab and one restricted selection from the chemical sciences with its corresponding lab. The restricted selection in the biological sciences include general biology I with its corresponding lab, human biology with its corresponding lab, foundations of physiology with its corresponding lab, or human anatomy and physiology I with its corresponding lab. The restricted</p>		<p>selection from the chemical sciences include general chemistry I with its corresponding lab, survey of chemistry with its corresponding lab, and chemistry and society, with its corresponding lab.</p> <p>Students entering college in the Fall of 2002 or later, will be required to meet the Florida State University System's revised Program Prerequisites for Exercise and Sport Science Programs. These prerequisites include: A. Human Anatomy and Physiology I or Human Anatomy B. Human Anatomy and Physiology I Lab or Human Anatomy Lab C. Human Anatomy and Physiology II or Human Physiology D. Human Anatomy and Physiology Lab II or Human Physiology Lab E. College Algebra or a higher level math class F. Statistics or Precalculus G. General Psychology H. General Nutrition I. Survey of Chemistry or a higher level chemistry class</p>
<p>M. PEM 4103 Personal Training N. PET 4383 Evaluation in Exercise Physiology O. PET 4389 Advanced Strength and Conditioning Concepts P. PEP 4114 Exercise Specialist Q. PET 4940 Internship in Exercise Physiology (3-15 credits) R. Electives (0-12 credits)</p>	<p>selection from the biological sciences include general biology I with its corresponding lab, human biology with its corresponding lab, foundations of physiology with its corresponding lab, or human anatomy and physiology I with its corresponding lab. The restricted</p>		<p>J. Survey of Chemistry or a higher level chemistry Lab</p> <p>2. <u>Upper Division Courses: (60)</u> A. Cardiac Rehabilitation/ Adult Fitness Specialization Students entering college prior to the Fall of 2002 must meet the following upper division requirements:</p>

COLLEGE OF EDUCATION - CURRICULUM CHANGES WITHIN AN EXISTING TRACK - THE EXERCISE PHYSIOLOGY TRACK OF THE BACHELORS OF SCIENCE IN THE EXERCISE AND SPORTS SCIENCES PROGRAM.

Contact: Richard Lopez (continued)...

New Track

- A. PET 3xxx Anatomy for Exercise and Sport Sciences
- B. PET 3xxxL Anatomy for Exercise and Sport Sciences Lab
- C. PET 3xxx Physiology for Exercise and Sports Sciences
- D. PET 3xxxL Physiology for Exercise and Sports Sciences Lab
- E. PET 4622 Athletic Injuries
- F. HUN 2201 Principles of Nutrition
- G. PET 3351 Exercise Physiology
- H. PET 3310 Kinesiology
- I. PET 4632 Advanced Treatment of Athletic Injuries
- J. PET 4632L Advanced Treatment of Athletic Injuries Lab
- K. CGS 2060 Introduction to Microcomputers
-or-
demonstrated competency in microcomputers
- L. PEP 4111 Health/Fitness Instructor
- M. PEM 4103 Personal Training
- N. PET 4xxx Advanced Exercise Physiology
- O. PET 4383 Evaluation in Exercise Physiology
- P. PET 4384 Exercise Test Technology
- Q. PET 4389 Advanced Strength and Conditioning
- R. PEP 4114 Exercise Specialist
- S. EDF 4481 Applications of Educational Research
- T. PET 4940 Internship in Exercise Physiology (6-9 credits)

New Track

- U. Electives (0-3 credits)
The upper division requirements for students entering college during or following the Fall of 2002, are slightly modified. Since these students will take anatomy/ anatomy lab, physiology/ physiology lab, and nutrition as part of the program prerequisites, they will have an additional eleven credits of electives.
- B. Strength and Conditioning/ Adult Fitness Specialization
Students entering college prior to the Fall of 2002 must meet the following upper division requirements:
 - A. PET 3xxx Anatomy for Exercise and Sport Sciences
 - B. PET 3xxxL Anatomy for Exercise and Sport Sciences Lab
 - C. PET 3xxx Physiology for Exercise and Sports Sciences
 - D. PET 3xxxL Physiology for Exercise and Sports Sciences Lab
 - E. HUN 2201 Principles of Nutrition
 - F. PET 4622 Athletic Injuries
 - G. PET 3351 Exercise Physiology
 - H. PET 3310 Kinesiology
 - I. PET 4632 Advanced Treatment of Athletic Injuries
 - J. PET 4632L Advanced Treatment of Athletic Injuries Lab
 - K. CGS 2060 Introduction to Microcomputers
-or-
demonstrated competency in microcomputers

New Track

- L. PEP 4111 Health/Fitness Instructor
- M. PEM 4103 Personal Training
- N. PET 4xxx Advanced Exercise Physiology
- O. PET 4383 Evaluation in Exercise Physiology
- P. PET 4389 Advanced Strength and Conditioning
- Q. PET 4601 Comprehensive Conditioning of Elite Athletes
- R. EDF 4481 Applications of Educational Research
- S. PET 4940 Internship in Exercise Physiology (6-12 credits)
- T. Electives (0-6 credits)
The upper division requirements for students entering college during or following the Fall of 2002, are slightly modified. Since these students will take anatomy/ anatomy lab, physiology/ physiology lab, and nutrition as part of the Program Prerequisites, they will have an additional eleven credits of electives.

COLLEGE OF EDUCATION - CURRICULUM CHANGES WITHIN AN EXISTING TRACK - THE EXERCISE PHYSIOLOGY TRACK OF THE MASTERS OF SCIENCE IN THE EXERCISE AND SPORTS SCIENCES PROGRAM.

Contact: Richard Lopez:

<u>Old Track</u>	<u>New Track</u>
<p>I. The Masters of Science in Exercise and Sports Sciences is a 30 credit program which prepares individuals to work in a supervisory capacity in two specialization areas within the fitness related professions. Students select two of four strand areas and complete a three course sequence in each. At the completion of the course work students complete an internship in each of the areas.</p> <p>A. <u>Required Core</u></p> <ol style="list-style-type: none"> 1. EDF 5481 Foundations of Educational Research 2. PET 6940 (6 credits) Internship in Exercise Physiology 3. Restricted Elective <p>B. <u>Two of Four Strand Areas</u></p> <ol style="list-style-type: none"> 1. <u>Adult Fitness</u> <ol style="list-style-type: none"> a. PEP 5115 Health/ Fitness Instructor b. PET 5693 Exercise Prescription for Special Populations c. PET 6775 Health/ Fitness Director 2. <u>Strength and Conditioning</u> <ol style="list-style-type: none"> a. PET 4389 Advanced Concepts in Strength and Conditioning b. PET 4601 Comprehensive Conditioning of Elite Athletes c. PET 5xxx Advanced Analysis of Sport Movement 3. <u>Cardiac Rehabilitation</u> <ol style="list-style-type: none"> a. PET 5387 Exercise Test Technology b. PEP 5116 Exercise Specialist c. PET 6785 Program Director 4. <u>Sports Medicine</u> <ol style="list-style-type: none"> a. PET 5625 Sports Medicine b. PET 4632 Therapeutic Exercise c. PET 5831 Special Topics in Sports Medicine 	<p>I. The Exercise Physiology Track within the Masters of Science in Exercise and Sports Sciences offers two specializations: a Cardiac Rehabilitation/ Adult Fitness Specialization and a Strength and Conditioning/ Adult Fitness Specialization. Students in either specialization may select one of two degree options: the Research Project Option or the Advanced Practitioner Option. The Research Project Option requires a minimum of 33 credits and the completion of a faculty supervised research project. The Advanced Practitioner Option requires a minimum of 36 credits and the successful completion of a comprehensive examination.</p> <p>A. <u>Common Core Courses</u></p> <ol style="list-style-type: none"> 1. PET 5xxx Advanced Exercise Physiology Instructor 2. PEP 5115 Health/ Fitness Instructor 3. PET 5693 Exercise Prescription for Special Populations 4. PET 6775 Health/ Fitness Director 5. EDF 5481 Foundations of Educational Research 6. PET 5xxx Exercise, Diet, and Weight Management <p>B. <u>Cardiac Rehabilitation/ Adult Fitness Specialization</u></p> <ol style="list-style-type: none"> 1. PET 5387 Exercise Test Technology 2. PEP 5116 Exercise Specialist 3. PET 5931 Special Topics in Exercise Physiology <p>C. <u>Strength and Conditioning/ Adult Fitness Specialization</u></p> <ol style="list-style-type: none"> 1. PET 5xxx Organization and Administration of Strength and Conditioning Programs 2. PET 5xxx Comprehensive Conditioning of Elite Athletes 3. PET 5xxx Advanced Analysis of Sport Movement
	<p style="text-align: center;"><u>New Track</u></p> <p>D. <u>Research Project Option</u></p> <ol style="list-style-type: none"> 1. Students selecting the Research Project Option will enroll in 6 credits of Directed Study in Exercise Physiology (PET 5906) <p>E. <u>Advanced Practitioner Option</u></p> <ol style="list-style-type: none"> 1. Students selecting the Advanced Practitioner Option will enroll in nine credits of electives and/or internship. A student must complete a minimum of 3 credits of internship, but may elect to complete up to 9 credits of internship. Thus, a student may choose to complete 0-6 credits of electives, bringing the total number of credits to 36 required to graduate from this option.

COLLEGE OF EDUCATION - Ed.S IN SCHOOL PSYCHOLOGY GRADUATE ADMISSIONS POLICY: A REQUEST TO MODIFY THE PRIOR GRADUATE ADMISSIONS POLICY Contact: Philip Lazarus

CURRENT ADMISSION REQUIREMENTS

For admission into our program, students presently are required to

- submit all transcripts,
- submit GRE scores,
- submit a curriculum vitae,
- write an autobiographical sketch that responds to two questions,
- describe all their work experience with children, adolescents, and families,
- submit a minimum of three letters of recommendation,
- Pass the CLAST or earn a 1000 on the GRE
- submit a writing sample if deemed necessary, and
- participate in an interview for our program with both faculty and students that focuses on the five components of emotional intelligence that are deemed necessary for success as a school psychologist.

In order to be accepted into the program a student must have either a 3.0 average in their last 60 semester hours of undergraduate study OR a minimum of 1000 on the GRE. In addition, applicants must have a minimum of 15 semester hours of credits in psychology. Admission into the program is competitive. Not all candidates who meet these minimum criteria are accepted into the program.

PROPOSED ADMISSION REQUIREMENTS

For admission into our program, students will be required to

- submit all transcripts,
- submit GRE scores,
- submit a curriculum vitae,
- write an autobiographical sketch that responds to two questions,
- describe all their work experience with children, adolescents, and families,
- submit a minimum of three letters of recommendation,
- Pass the CLAST or earn a 1000 on the GRE
- submit a writing sample if deemed necessary, and
- participate in an interview for our program with both faculty and students that focuses on the five components of emotional intelligence that are deemed necessary for success as a school psychologist.

In order to be accepted into the program a student must have a 3.0 average in their last 60 semester hours of undergraduate study *AND* a minimum of 1000 on the GRE. *Students who have less than 1000 on the GRE may be admitted if they have a 3.2 grade point average in their last 60 semester hours of undergraduate study.* In addition, applicants must have a minimum of 15 semester hours of credits in psychology.

Admission into the program is competitive. Not all candidates who meet these minimum criteria are accepted into the program.

Note: Proposed changes are in italics.

COLLEGE OF EDUCATION - PROPOSED CHANGES TO THE GRADUATE ADMISSIONS POLICY FOR THE MASTERS DEGREE IN SPECIAL EDUCATION MA AND MS - Contact: Howard Rosenberg

Current

I. Master of Arts
MA (0149)

1. Bachelors Degree
2. CLAST Exam – Pass all 4 Sections
3. GRE 1,000 or
4. GPA 3.0 or higher for last 60 hours of upper division coursework
5. 3 Letters of Recommendation
6. Autobiography

II. Current
Master of Science
MS (0148)

1. Bachelors Degree in Special Education
2. Pass State of Florida Certification Exams
3. GRE 1,000 or
4. GPA 3.0 or higher for last 60 hours of upper division coursework
5. 3 Letters of Recommendation
6. Autobiography

Proposed

I. Master of Arts
MA(0149)

1. Bachelors Degree
2. CLAST- Pass all 4 Sections
3. GPA 3.0 or higher for last 60 hrs of upper division coursework
4. 3 Letters of Recommendation
5. Autobiography

II. Proposed
Master of Science
MS (0148)

1. Bachelors Degree in Special Education
2. Pass State of Florida Certification Exams
3. GPA 3.0 or higher for last 60 hours of upper division coursework
4. 3 Letters of Recommendation
5. Autobiography

COLLEGE OF HEALTH AND URBAN AFFAIRS - SCHOOL OF HEALTH - COMMUNICATION SCIENCES AND DISORDERS - MASTERS DEGREE IN SPEECH LANGUAGE PATHOLOGY

Old Catalog Text

Communication Sciences and Disorders
 Lemmieta G. McNeilly, Associate Professor and Chairperson
 Ellane Ramos, Assistant Professor
 Nancy Ruiz Mahecha, Clinical Assistant Professor

Communication Sciences and Disorders (CSD) is one of the departments in the School of Health. This department offers a master's degree program in Speech Language Pathology. Additionally, seven graduate prerequisite courses are offered for interested applicants with a bachelor's degree in another discipline. The unique focus of the CSD department is one of Cultural and Linguistic Diversity (CLD). The goal of the department is to educate CLD professionals to meet the needs of multicultural populations of individuals with Communication Disorders. Students matriculating in the program will benefit from the infusion of CLD throughout the curriculum. The program allows full time and part time enrollment. All degree requirements need to be completed within six years from the initial date of enrollment.

Students will have opportunities to receive clinical education from a variety of clinical settings in the Miami metropolitan area including hospitals, schools, private practices and community based clinics. They will also engage in research projects with faculty members. A description of the admission requirements and description of masters program follow.

Requirements for students without a bachelor's degree in Communication Disorders

The department of Communication Sciences and Disorders requires an individual applying for the master's degree to hold a bachelor's degree in communication disorders or its equivalent. An applicant's undergraduate background influences the time necessary to complete the graduate degree, as there are 7 prerequisite courses required for entrance to the graduate program. Interested individuals should contact the department prior to completing an application for admission. The following courses or their equivalents are required for all interested persons without an undergraduate degree in communication disorders.

- SPA 4002 Survey of Communication Disorders (3)
- SPA 4004 Intro to Normal Speech and Language Development (3)
- SPA 4011 Speech and Hearing Science (3)
- SPA4030 Intro Audiology (3)
- SPA 4050 Clinical Management in Communication Disorders (3)
- SPA 4101 Anatomy & Physiology of Speech & Hear (3)
- SPA 4112 Principles of Phonetics (3)

Proposed Catalog Text

Communication Sciences and Disorders (CSD)
 Lemmieta G. McNeilly, Associate Professor and Chairperson
 Alfredo Ardila, Associate Professor
 Ellane Ramos, Assistant Professor
 Nancy Ruiz Mahecha, Clinical Assistant Professor

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- LIN 3013 General Linguistics (3)

SCHOOL OF HOSPITALITY MANAGEMENT - PROPOSAL TO ESTABLISH UNIT-SPECIFIC GRADUATE ADMISSIONS STANDARDS - Contact: Steven Moll

As a result of our research, the Graduate Faculty have proposed that we create a "sliding scale" format for admissions for graduate applicants to the Master of Science degree programs in the School of Hospitality Management.

The research indicated that all Schools of Hospitality Management ranked in the top 25 in the United States by the Journal of Hospitality & Tourism Education (Volume 14, number 2, 2002) use either the GRE or GMAT standardized test as a part of their admissions criteria. As such, it is improbable for us to justify eliminating the tests as part of our admissions criteria.

The graduate faculty had a number of meetings and their consensus was that having an exclusive 3.0 GPA and 1,000 GRE or 500 GMAT was too exclusionary. The concerns were specific to hospitality management undergraduates who are encouraged to work full-time while pursuing their bachelor's degrees. These students often sacrifice good grades for work experience. On the other hand, many students, especially older and international students, typically perform poorly on standardized tests like the GRE and GMAT. It was felt that allowing a sliding scale for GPA and GRE/GMAT test scores seemed the fairest standard for admissions for the School of Hospitality Management's Master of Science degree.

On the following page is the "sliding scale" format that the graduate faculty voted (14 for, 1 against, 3 not voting) to accept as our new standard for admissions.

All other measures of admissions were discussed and the graduate faculty agreed unanimously not to change at this time.

SCHOOL OF HOSPITALITY MANAGEMENT - PROPOSAL TO ESTABLISH UNIT-SPECIFIC GRADUATE ADMISSIONS STANDARDS - Contact: Steven Moll, continued...

<u>Grade Point Average</u>	<u>GRE Score</u>	<u>GMAT Score</u>
4.0	800	400
3.9	820	410
3.8	840	420
3.7	860	430
3.6	880	440
3.5	900	450
3.4	920	460
3.3	940	470
3.2	960	480
3.1	980	490
3.0	1,000	500
2.9	1,020	510
2.8	1,040	520
2.7	1,060	530
2.6	1,080	540
2.5	1,110	550
2.4	1,120	560
2.3	1,140	570
2.2	1,160	580
2.1	1,180	590
2.0	1,200	600

COLLEGE OF ARTS AND SCIENCES -NEW COURSE PROPOSALS, LISTED BY DEPARTMENT

BIOLOGICAL SCIENCES:

- MCB 6XXX Advanced Microbial Physiology 3 credits**
 Advanced study of physiological and metabolic activities of microorganisms and processes that affect them.
 Prerequisites: Permission of instructor.
- PCB 4XXX Amphibian Ecology 3 credits**
 In-depth survey of the ecology of members of the vertebrate class Amphibia (caecilians, salamanders, and frogs).
 Prerequisites: PCB 3043
- PCB 4023L Cell Biology Lab 1 credit**
 Fundamentals of cell/ histological identification and current techniques used to study cells. Prerequisites: PCB 3063.
- PCB 4XXX Tropical Ecology 3 credits**
 In-depth survey of tropical climatology, ecological processes characteristic of tropical habitats, and biodiversity and conservation of tropical regions. Prerequisites: PCB 3063.

INTERNATIONAL RELATIONS:

- INR 3XXX Conflict, Security and Peace Studies in INR 3 credits**
 Introduces students to basic theoretical arguments and empirical cases on security, peace and strategic studies. Examines the evolution of conflict resolution and post-conflict reconstruction.
- INR 4XXX International Humanitarian Law 3 credits**
 Provides students with conceptual, legal, and critical understanding of major issues of Int'l Humanitarian Law. Allows students to develop analytical work and research in this field. Prerequisites: INR 3403
- INR 5XXX War, Peace and Conflict Resolution in INR 3 credits**
 Explores the genesis of interstate conflict, the evolution of crisis, the outbreak of war and peace. Analyzes conflict resolution and post conflict reconstruction processes in international relations.

COLLEGE OF ARTS & SCIENCES, CONTINUED...

RELIGIOUS STUDIES:

- ASN 3XXX Zen and the Art of Tea Ceremony 3 credits
An introduction to the cultural traditions and social behavior of Asia that covers the history, theory, and practice of Chado, or War of Tea, a Zen-Buddhist inspired art.
- REL 3XXX The Goddess in India 3 credits
Images of the Goddess, known as Devi or Shakti, have been traced to the third millennium BCF. Security of the evolution of Goddess worship in India is theological in character, phylosophical in content and legendary in tradition.
- TPP 5XXX Graduate Play writing Workshop II 3 credits
For graduate students in the creative writing program who wish to continue with a second play writing class. Students work on exercises and scenes leading to the development pf a full length play.
- TPP 5XXX Graduate Play writing Workshop III 3 credits
A graduate course in play writing focusing on the development of a full length play with special attention to structure, character development conflict, dialogue, and dramatic action. Students work through a series of scene leading to the development of a full length play. Prerequisites: Graduate Play writing II.

COLLEGE OF ARTS AND SCIENCES -COURSE CHANGE/DELETION REQUEST, LISTED BY DEPARTMENT

BIOLOGICAL SCIENCES:

- BSC 5929 Protist Workshop 1 credit
Change credits from 1 to 3.

COMPUTER SCIENCE:

- COP 6545 Advanced Topics in Database Systems 3 credits
Change course name to Advanced Database Systems.

- COT 6931 Cognitive Sciences 3 credits
Delete current prerequisites. New Prerequisites: Permission of Instructor.

SOCIOLOGY/ANTHROPOLOGY:

- ANT 4211 Area Studies 3 credits
Add: Can be taken for credit no more than twice with any given instructor.

- ~~SYD 4610 Topics in Sociology 3 credits
Add: Can be taken for credit no more than twice with any given instructor.~~

- SYD 6901 Special Topics in Sociology 3 credits
Add: Can be taken for credit no more than twice with any given instructor.

COLLEGE OF BUSINESS-COURSE CHANGE/DELETION REQUEST, LISTED BY DEPARTMENT

FINANCE:

- FIN 4941 Finance Internship 3 credits
New Prerequisites: Changing from 12 hours to 9 hours.

COLLEGE OF EDUCATION-NEW COURSE PROPOSALS, LISTED BY DEPARTMENT

EDUCATIONAL AND PSYCHOLOGICAL STUDIES:

- EDF 7XXX Advanced Measurement 3 credits
This course is designed to introduce measurements theory and advanced applications in educational measurement.
Prerequisites: EDF 6432

- EDF 7493 Transcultural/transnational research and evaluation methodology 3 credits
In depth examination and discussion of the issues, dilemmas, and specific design requirements in conducting transcultural and transnational research and evaluation.

COLLEGE OF EDUCATION-COURSE CHANGE/DELETION REQUEST, LISTED BY DEPARTMENT

EDUCATIONAL AND PSYCHOLOGICAL STUDIES:

- EDP 6215 Applications of Learning theory to Instruction 3 credits
New Prerequisites: EDP 6211

COLLEGE OF HEALTH AND URBAN AFFAIRS-COURSE CHANGE/DELETION REQUESTS, LISTED BY DEPARTMENT:**PHYSICAL THERAPY:**

PHT 5174	<u>Analysis of Movement and Function</u> New co-requisite: ZOO 5991, ZOO 5991L	3 credits
PHT 5180	<u>Musculoskeletal Diagnosis and Management I</u> New Prerequisites: PHT 5174, PHT 5174L, PHT 5990	3 credits
PHT 5180L	<u>Musculoskeletal Diagnosis and Management I Lab</u> New Prerequisites: PHT 5174, PHT 5174L, PHT 5990	1 credit
PHT 5181	<u>Musculoskeletal Diagnosis and Management II</u> New Prerequisites: PHT 5180, PHT 5180L, PHT 6341, PHT 6341L	3 credits
PHT 5181L	<u>Musculoskeletal Diagnosis and Management II Lab</u> New Prerequisites: PHT 5180, PHT 5180L, PHT 6341, PHT 6341L	1 credit
PHT 5182	<u>Musculoskeletal Diagnosis and Management III</u> New Prerequisites: PHT 5181, PHT 5181L, New co-requisite: PHT 5182L	3 credits
PHT 5182L	<u>Musculoskeletal Diagnosis and Management III Lab</u> New Prerequisites: PHT 5181, PHT 5181L, New co-requisite: PHT 5182	1 credit
PHT 5805	<u>Clinical Internship I</u> New Prerequisite: PHT 5960	3 credits
PHT 5960	<u>Comprehensive Exam I</u> New Prerequisites: All Fall and Spring Semester courses Year 1.	1 credit
PHT 6163	<u>Neurological Diagnosis and Management I</u> New Prerequisites: PHT 5960 or Permission of Instructor.	3 credits
PHT 6163L	<u>Neurological Diagnosis and Management I Lab</u> New Prerequisites: PHT 5960 or Permission of Instructor.	1 credit
PHT 6164	<u>Neurological Diagnosis and Management II</u> New Prerequisites: PHT 6163, PHT 6163 L	3 credits
PHT 6164L	<u>Neurological Diagnosis and Management II Lab</u> New Prerequisites: PHT 6163, PHT 6163 L	1 credit
PHT 6169	<u>Neurological Diagnosis and Management III</u> New Prerequisites: PHT 6164, PHT 6164 L	3 credits
PHT 6169L	<u>Neurological Diagnosis and Management III Lab</u> New Prerequisites: PHT 6164, PHT 6164 L	1 credit
PHT 6341	<u>Diagnosis and Management of Disease</u> New Prerequisites: All Fall Semester courses Year 1, New co-requisite: PHT 6341L	3 credits
PHT 6341L	<u>Diagnosis and Management of Disease Lab</u> New Prerequisites: All fall semester courses Year 1, New co-requisite: PHT 6341	1 credit
PHT 6381	<u>Diagnosis and Management of Cardiopulmonary Systems</u> New Prerequisites: PHT 5990, PHT 5990L	3 credits
PHT 6381L	<u>Diagnosis and Management of Cardiopulmonary Systems</u> New Prerequisites: PHT 5990, PHT 5990L	1 credit
PHT 6817	<u>Clinical Internship II</u> New Prerequisites: PHT 5960, PHT 6164, PHT 6164L	3 credits

COLLEGE OF HEALTH & URBAN AFFAIRS, PHYSICAL THERAPY CONTINUED...

PHT 6827	<u>Clinical Internship III</u> New Prerequisites: PHT 6961	3 credits
PHT 6828	<u>Clinical Internship IV</u> New Prerequisites: PHT 6961	3 credits
PHT 6961	<u>Comprehensive Exam 2</u> New Prerequisites: All Fall and Spring Semester courses, Year 2.	3 credits
SPM:		
HSA 4500	<u>Principles of Applied Epidemiology</u> New Prerequisite or Co-requisite: HSA 3103 Health Services Delivery Systems.	3 credits
HSA 4192	<u>Health Management Systems Engineering</u> New Prerequisite: URS 4152	3 credits

SCHOOL OF HOSPITALITY MANAGEMENT-NEW COURSE PROPOSAL, LISTED BY DEPARTMENT**HOSPITALITY MANAGEMENT:**

HFT 6XXX	<u>Hospitality Asset Management</u> Provides in-depth analysis of techniques and practices used by owners and managers to acquire, renovate, and dispose of assets in pursuit of financial objectives.	3 credits
HFT 6XXX	<u>Hospitality Revenue Management</u> In-depth analysis of revenue management, the economic underpinnings, strategic levers of yield management, and the application to the hospitality service industries.	3 credits

SCHOOL OF HOSPITALITY MANAGEMENT- COURSE CHANGE/DELETION, LISTED BY DEPARTMENT

HFT 6555	<u>e-Commerce for the Hospitality Industry</u> New Title: e- Commerce for Hospitality and Tourism. New Prerequisites: HFT 3423 or permission of instructor.	3 credits
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SCHOOL OF JOURNALISM AND MASS COMMUNICATIONS -COURSE CHANGE/DELETION REQUESTS, LISTED BY DEPARTMENT**JOURNALISM/BROADCASTING:**

RTV 3262	<u>Field Production</u> New Prerequisites: RTV 3200	3 credits
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