

**THE GRADUATE SCHOOL -- UNIVERSITY OF RHODE ISLAND
CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE
FACULTY SENATE**

REPORT NO. 3, 2010-2011; 28 December 2010

At meeting No. 450 held 13 December 2010, the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

SECTION I (Informational)

Changes:

- 1) College of Pharmacy
Department of Biomedical and Pharmaceutical Sciences

PHP 503 Health Systems I – change in catalog description to read: Introduction to the U.S. public health system, and roles of pharmacists in promoting patient wellness, and safe and effective medication use. This course provides the didactic component of immunization training.

- 2) College of Human Science and Services
Department of Kinesiology

KIN 540X Interdisciplinary Research and Methods in KIN – change the number of credits from 2 to 1.

Department of Education

EDC 586 Problems in Education – change in title of one of the “topics” from Using Blogs & Wikis to Foster Literacy to Using Blogs & Wikis to Facilitate Learning

- 3) College of Business

MAC 503 Taxation of Corporations and Shareholders – Change in method of instruction to Seminar. Change in title, catalog description and prerequisites to read: **Taxation of Business Entities (3)**

Examination of the tax law, underlying theory, tax compliance requirements and tax planning for: Corporations, flow-through entities and the transfer tax system. Pre: BUS 403 or permission of graduate advisor.

MBA 560 Operations and Supply Chain Management – change in prerequisites to read: Pre: MBA 500

- 4) College of Engineering
Department of Electrical, Computer and Biomedical Engineering

ELE 548 Computer Architecture – change in prerequisite to read: ELE 305 or equivalent or permission of instructor.

SECTION II (Requires approval)

New Courses

- 1) College of Arts and Sciences
Department of Mathematics

MTH 555 Dynamical Systems (3)

The objective of this course is to develop the theory of Topological Dynamical Systems, that is the study of iterated continuous mappings from a topological space to itself. (Lec. 3). Pre: MTH 435 or permission of instructor.

Additional Curricular Matters

- 1) College of Human Science and Services
Department of Human Development and Family Studies

The HDF graduate program proposes to make the following changes to its program structure in order to reduce the total number of program credits from 41 to 39, bringing the program in line with similar masters programs in the region.

- 1) Reduce the number of internship credits from a maximum of 6 to a maximum of 3 credits.

Rationale: We have found that few students have the time in their program to take 6 credits worth of internship though many take advantage of the 3 credit option.

- 2) Increase the number of HDF 581 professional seminar credits from 1 to 2.

Rationale: We need to increase the number of professional seminar credit hours to give more sustained attention to: 1) the completion of the master's thesis and research, and 2) professional development, including the creation of a portfolio and increased knowledge of professional ethics. This change will help ensure student success in completing the graduate program and in transitioning to a professional position.

- 3) Decrease the total number of program credits from 41 to 39.

These two changes will decrease total credit hours, thus making our program requirements similar to those of HDF masters programs in the region.

**University of Rhode Island – College of Human Science and Services
Master of Science Degree in Human Development and Family Studies (510)**

MS with thesis in Human Development and Family Studies.....39 credits

This curriculum applies to all students admitted to URI HDF MS program Fall 2011 or later. All students must maintain a 3.0 GPA. Students may take a maximum of three (3) 400-level courses if the course is approved for graduate credit. Grades below B- in undergraduate courses and below a C in graduate courses are considered failing.

CORE COURSE REQUIREMENTS.....12 credits		
		Semester of completion
Students must take all of the following courses:		
HDF 501- Development Science in Family Contexts	(3)	_____
HDF 533- Family Policy and Program Evaluation	(3)	_____
HDF 570- Research Methods in HDF	(3)	_____
HDF 580- Professional Seminar	(1)	_____
HDF 581- Professional Seminar	(2)	_____

RESEARCH/ STATISTICAL REQUIREMENT.....3 credits		
Choose one of the following statistics courses:		
STA 409, STA 412, PSY 532, EDC 625 , or other subject to advisor’s approval	(3)	_____
Prerequisite statistical course (for those admitted Fall 2005 or later): PSY 300 or other with advisor’s approval	(0)	_____

DEVELOPMENTAL SEMINARS.....9 credits		
Students must take all of the following courses:		
HDF 511- Seminar in Childhood	(3)	_____
HDF 512- Seminar in Adolescence and Young Adulthood	(3)	_____
HDF 513- Seminar in Older Adulthood	(3)	_____

AREAS OF SPECIALIZATION..... 6 credits		
In consultation with an advisor, students will choose one of the following areas of specialization and select two graduate courses from inside or outside HDF that reflect this interest (Early Childhood Education, Child and Adolescent Development, Adult Development and/or Gerontology, Public Policy/Administration, Family Studies, Family Financial Education and Counseling).		
These courses must be planned with advisor.		
Focus of specialization: _____		
Course	Credits	Semester of completion
_____	_____	_____
_____	_____	_____

POSSIBLE COURSES TO FULFILL SPECIALIZATION/ELECTIVE REQUIREMENTS

Some graduate HDF courses that can fulfill specialization or elective requirements are:

HDF 507 – Seminar on Early Childhood Education	(3)	_____
HDF 518- Seminar in Life-Span Financial Issues	(3)	_____
HDF 527- Health Care Policy	(3)	_____
HDF 535 – Families under Stress	(3)	_____
HDF 540 - Interdisciplinary Teamwork in Health and Human Services	(3)	_____

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INTERNSHIP.....1-3 credits

Students are encouraged to complete a policy, administrative or research internship. 3 credits is the equivalent of working 1 day a week for 15 weeks or about 120 hours. Students must receive their advisor’s approval and complete an internship contract prior to the start of the internship. In place of this internship, students, with advisor approval, must complete an additional 6 credits of graduate level coursework in their specialization area.

HDF 584	Internship	(1-3)	_____
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MASTER’S THESIS RESEARCH.....6 credits

All HDF MS students are required to complete and defend a master’s thesis. In most circumstances, students will take 3 credits of HDF 599 when they are ready to complete their Master’s thesis proposal. Students will take the remaining 3 credits of HDF 599 when they are ready to finish and defend their thesis. Students must be enrolled for credit to defend their thesis.

HDF 599- Master’s Thesis Research			
(1 st semester) Complete proposal	(3)	_____	
(2 nd semester) Defend and complete thesis	(3)	_____	

Passed Portfolio assignment: _____

Date

TOTAL CREDITS: _____

Name _____ I.D. # _____
 Address _____ Home # _____
 _____ Work # _____
 E-mail Address: _____ Cell phone # _____
 Advisor’s name: _____ Expected graduation date : _____

11/5/2010

2) College of Arts and Sciences
Department of Mathematics

Department of Mathematics
Doctor of Philosophy Program

The Department of Mathematics proposes to add an Applied Mathematics Track to its doctoral program. The following text represents the description of the Doctor of Philosophy Program, including the proposed changes.

Two tracks are offered: Pure Mathematics and Applied Mathematics. A total of 72 credits are required. Of these, 18 credits of thesis work (MTH 699) are required.

The student, in conjunction with the Graduate Committee, will select a research advisor (major professor) from the Graduate Faculty of the Mathematics Department including persons holding limited joint appointments, within the first year of the Ph.D. program. At this time, the student's doctoral committee is selected and the Program of Study is carefully prepared by the student with his or her major professor. The Program of Study must be approved by the student's doctoral committee, the Department Chairperson or Graduate Program Director, and the Dean of the Graduate School. Soon after that, in a similar manner, the Dissertation Proposal must be prepared and approved.

The candidate shall successfully defend his or her dissertation in an oral defense. This is an oral exam, usually two hours long, administered by the candidate's dissertation defense committee composed of the doctoral committee and two additional members approved by the Graduate School.

The Department of Mathematics requires that doctoral candidates have reading proficiency in mathematical French, German, or Russian. The specific requirement to be satisfied is to be determined by the major professor.

Ph.D. Comprehensive Examination

- Shortly before the completion of formal course work, each doctoral candidate shall take the Ph.D. Comprehensive Examinations. These consist of a 10-hour written part to be taken over eight days and, on successful completion of the written part, an oral part (normally within four weeks). The exam is to be taken by the student within the first six semesters of enrollment in the Ph.D. Program.
- The rules governing the content of the written exam vary depending on which track is being pursued. For both pure and applied tracks, the written exam covers the material corresponding to 10 courses, which are selected by the student's major professor. With the permission of the Department Chair and Graduate Program Director, the exams for MTH 435 and MTH 436 may be waived, in which case 8 courses are required.
- The preparation, administration, and evaluation of the written comprehensive examination are the responsibility of the student's research advisor, the doctoral committee, and other department members assigned by the doctoral committee. Unanimous approval of all members of the doctoral committee is required for passing. It is the responsibility of the major professor to request the permission of the Dean of the Graduate School to schedule the exams and inform the Graduate School about the results.
- The oral part of the comprehensive examination is two hours long and is conducted by

the oral comprehensive examination committee, which consists of the doctoral committee with two additional members approved by the Graduate School. It is the responsibility of the major professor to ask for the approval of the Dean of the Graduate School to schedule the oral comprehensive examination and inform the Graduate School about the results.

- Consult the Graduate Student Manual, Section 7.57, for procedures, which must be followed to schedule both parts of the comprehensive examination. In case of failing the whole or a portion of the comprehensive examination the student may be permitted one re-examination if so recommended by the examining committee and approved by the Graduate School.

The Pure Mathematics Track

Required Courses: 515, 516, 525, 535, 536, and 562.

Candidates without a Master of Science Degree in Mathematics

- Subject to the approval of the Chair and Graduate Program Director, at most 12 credits can be taken outside of the Mathematics Program (MTH).
- The M.S. Qualifying Exam must be passed, in MTH 435, MTH 436, and MTH 513.

Candidates with a Master of Science Degree in Mathematics

- Prerequisites: MTH435, MTH436, MTH513.
- Up to 30 credits may be transferred to the Ph.D. Program for a Masters Degree in Mathematics. For such students, all but at most 6 credits of their remaining credits must be for Mathematics courses (MTH) at the 500-level or higher.

The Applied Mathematics Track

Areas of concentration are determined by the research interests of the Graduate Faculty of the Program, which includes members of other departments who are designated as Graduate Faculty in Mathematics. Consult the Mathematics Department's webpage for the current research interests of the Graduate Faculty.

Candidates without a Master of Science Degree

- At least 30 of the 54 non-dissertation credits must be in Mathematics (MTH).
- An area of concentration is selected from among the research areas of the Graduate Faculty of the Program. Up to 24 credits for courses in this area of concentration may be applied to this degree.
- The M.S. Qualifying Exam must be passed in MTH 435, MTH 436, and MTH 513.

Candidates with a Master of Science Degree in Math or a Closely Related Area

- Up to 30 credits may be transferred to this Program for a Master of Science Degree in mathematics or an area closely related to mathematics. For such students, all of their remaining credits must be for courses at the 500-level or higher. Permission of department chair is required if more than 12 of the remaining credits need to be taken outside of the Mathematics Program (MTH).
- At least 30 of the 54 non-dissertation credits must be in Mathematics (MTH). An area of concentration is selected from among the research areas of the Graduate Faculty of the Program. Up to 24 credits for courses may be applied to this degree.