

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

REPORT NO. 9, 2008-2009; 27 APRIL 2009

As amended

At meeting No. 436 held 20 April 2009, the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

Matters of Information

Changes:

- 1) College of Arts & Sciences
Department of History

HIS 506 Seminar in European History— change in catalog description to read: Selected topics in European history, with intensive reading of important secondary and/or primary sources; critical written analysis of historical method, research, and modes of interpretation. May be repeated for credit with different topics. (Seminar)

HIS 507 Seminar in United States History – change in catalog description to read:

Selected topics in United States history, with intensive reading of important secondary and/or primary sources; critical written analysis of historical method, research, and modes of interpretation. May be repeated for credit with different topics. (Seminar)

HIS 508 Seminar in Asian or Latin American History --_change in catalog description to read:

Selected topics in Asian or Latin American history, with intensive reading of important secondary and/or primary sources; critical written analysis of historical method, research, and modes of interpretation. May be repeated for credit with different topics. (Seminar)

- 2) College of Arts & Sciences
Department of Languages

ELS 516 Teaching English as a Second Language to Adults -- change in title and catalog description to read:

ELS 516 Teaching English as a Second Language (3)

Methods and materials for those who plan to teach English as a second language. Students develop and implement appropriate strategies and techniques for teaching of ESL. Pre: permission of instructor.

3) College of Arts & Sciences
Department of Mathematics

MTH 515, 516 Algebra I, II -- change in prerequisite to for 515 to MTH 316; change prerequisite for 516 to MTH 515.

MTH 525 Topology -- change in prerequisite to MTH 435.

MTH 535, 536 Measure Theory and Integration I, II -- change in prerequisite for 535 to MTH 435; change prerequisite for 536 to MTH 535.

MTH 545, 546 Ordinary Differential Equations I, II -- change in prerequisite for 545 to MTH 435; change prerequisite for 546 to MTH 545.

MTH 550 Probability and Stochastic Processes -- change in prerequisite to MTH 435 or 437; and 451.

MTH 551 Mathematical Statistics -- change in prerequisite to MTH 550.

MTH 561 Numerical Analysis – delete course.

MTH 562 Complex Function Theory-- change in prerequisite to MTH 435 and 436; or 437 and 438.

MTH 572 Numerical Analysis -- change in course title and catalog description to read:

MTH 572 Numerical Partial Differential Equations (3)

Further numerical Methods of solution of simultaneous equations, partial differential equations, integral equations. Error Analysis. Even spring semesters.

MTH 629, 630 Functional Analysis I, II -- change in prerequisite for 629 to MTH 536; change prerequisite for 630 to MTH 629.

MTH 547 / CSC 547 Combinatorics and Graph Theory -- change in course title, prerequisite, and catalog description to read:

MTH 547 / CSC 547 Combinatorics (3)

Enumeration: generation functions, recurrence relations, classical counting numbers, inclusion-exclusion, finite set systems and designs. Polya theory, coding

theory, and Ramsey theory. Finite fields and algebraic methods. Odd fall semesters. Pre: MTH 316.

MTH 548 / CSC 548 Topics in Combinatorics -- change in course title, prerequisite, and catalog description to read:

MTH 548 / CSC 548 Graph Theory (3)

Basic concepts and techniques of graph theory as well as some of their applications. Topics include: connectivity, matchings, colorings, extremal problems, Ramsey theory, planar graphs, algebraic techniques. Even spring semesters. Pre: MTH 316.

- 4) College of Human Science and Services
School of Education

EDC 523 Web Site Technology in Education and Training -- change in course number from EDC 523 to EDC 525.

EDC 584 The Adult and the Learning Process -- change in prerequisite from 581 or permission of instructor to permission of instructor.

EDP 615 Research methodologies -- change in course number, title, prerequisites, and catalog description to read:

EDP 623 Research Design (3)

Research design process including developing problem statements, research questions, hypotheses and appropriate methods (i.e., qualitative, quantitative, or mixed). Course considers philosophical worldviews, literature reviews, theory use, and research ethics. Pre: EDP 610, 611, 612, 613.EDC 596

EDC 596 Organization Development in Human Services and Education -- delete course.

EDC 586 Problems in Education -- add the following permanent topics to this course; a) Using Blogs & Wikis to Foster Literacy, b) 4 Roles of Leadership, c) Using the Internet for Teaching, Learning, & Practical Applications, and d) Seven Habits of Highly Effective People.

- 5) College of Human Science and Services
Physical Therapy

PHT 522 Physical Examination and Evaluation II – change in course credits from 3 to 4 and change in catalog description to read:

PHT 522 Physical Examination and Evaluation II (4)

A continuum of PHT 512, this course will cover posture, functional mobility, gait, balance, assistive devices, wheelchair fitting, and home evaluation. Practice of

basic skills through course content using role modeling and patient cases. Pre: PHT 512 and first year standing in the DPT program.

PHT 512 Physical Examination and Evaluation I -- change in credits from 4 to 3 and change in catalog description to read:

PHT 512 Physical Examination and Evaluation I (3)

This course provides students with basic skills for physical examination and evaluation in the provision of physical therapy. Focus will be on strength testing, range of motion, and sensation. Pre: PHT 500 and first year standing in the DPT program.

Implementation dates for new PHT Curriculum courses:

PHT 519 -- implementation date is Spring 2010
PHT 532 -- implementation date is Fall 2009
PHT 533 -- implementation date is Spring 2010
PHT 544 -- Implementation date is Summer 2011
PHT 570 -- implementation date is Summer 2010
PHT 575 -- implementation date is Fall 2012
PHT 580 -- implementation date is Summer 2011
PHT 585 -- implementation date is Spring 2013
PHT 595 -- Implementation date is Spring 2013
PHT 655 -- implementation date is Spring 2010
PHT 672 -- Implementation date is Fall 2010

6) College of Nursing

NUR 535 Advanced Pathophysiology -- cross list as PHT 535 and include a new prerequisite with PHT 535. That prerequisite would read: PHT 500 and 1st year standing in the DPT program.

NUR 503 Expanded Nursing Assessment Skills – change in course title, prerequisite, and catalog description to read:

NUR 503 Advanced Adult Physical Assessment (3)

Expansion of basic nursing health assessment skills, including: comprehensive health history, physical examination and psychological and social assessment. Pre: Admission to the graduate nursing program and permission of the instructor.

NUR 504 Expanded Nursing Assessment Skills: Pediatrics – change in course title, prerequisite, and catalog description to read:

NUR 504 Advanced Pediatric Physical Assessment (1)

Application of advanced physical and health assessment skills to children. Includes assessment of growth and development, psychosocial, cognitive and physical well being of children of all age groups. Pre: Admission to the family nurse practitioner

program, previous or concurrent enrollment in NUR 503, and permission of instructor.

- 7) College of the Human Science and Services
Health Sciences (new code HSC)

HSC 500X Interdisciplinary Research in the Health Sciences (2)

Interdisciplinary research methods course for students in the health sciences. Concurrent registration in discipline-specific lecture/lab courses is required. The course and concurrent lecture/labs will provide students with skills to understand research methods, to be consumers of research literature and to perform as part of an interdisciplinary research team. Pre: graduate standing.

- 8) College of Pharmacy
Pharmacy Practice

PHP 575X Medication Adherence and Health Outcomes (3)

Discussion of current literature on adherence and persistence, health outcomes and costs. □Topics: non-adherence in chronic disease, adherence and provider-patient communication, interventions to improve adherence, and implications for health care.. Pre: Graduate standing or in good standing in the P3-P4 years of the Pharm.D. curriculum, or by permission of instructor.

- 9) College of the Environment and Life Sciences
Department of Nutrition and Food Science

NFS 515X Interdisciplinary Research in Nutrition (2)

This lecture/lab course provides nutrition and dietetic research skills as well as interdisciplinary research skills coordinated with HSC 500X (Interdisciplinary Research in the Health Sciences). Concurrent registration in HSC 500X is required. In addition to interdisciplinary research skills, the nutrition lecture/lab provides skills in interpreting nutrition literature and preparing a research proposal. Pre: graduate standing in Nutrition and Food Sciences.

Curricular Matters Which Require Confirmation by the Faculty Senate

New Courses

- 1) College of Arts & Sciences
Department of Mathematics

MTH 571 Numerical Analysis (3)

Computer arithmetic, interpolation, numerical approximation of derivatives and integrals, numerical ODE, and other topics. Pre: MTH 243.

MTH 542, 543 Global Character of Difference Equations I, II (3 each)

Global character, periodic behavior, and asymptotic nature of solutions of difference equations and systems of difference equations with applications. Recent topics on rational equations and rational systems in higher dimensions. MTH 435 and 436.

- 2) College of Arts & Sciences
Department of Computer Science and Statistics

STA 545 Bayesian Statistics (3)

This course introduces Bayesian methods for a variety of statistical problems. Topics include Bayesian inference, model selection, Bayesian computation, hierarchical models and Gibbs sampling. Open-source software will be utilized for Bayesian data analyses. Pre: STA 411 or STA 412 or permission of instructor.

- 3) College of Arts & Sciences
Writing & Rhetoric

WRT 599 Masters Thesis Research in Rhetoric (1-6)

Number of credits is determined each semester in consultation with major professor or program committee. Pre: permission of Graduate Director in Writing & Rhetoric.

WRT 699 Doctoral Dissertation Research in Rhetoric (1-9)

Number of credits is determined each semester in consultation with the major professor or program committee. Pre: permission of Graduate Director in Writing & Rhetoric.

- 4) College of Arts & Sciences
Department of Physics

PHY 540 Modern Biological Physics (3)

Quantitative representation of biological molecules (DNA, RNA, proteins, membrane) structure and organization, forces stabilized biomolecules, cooperative transitions, protein folding, membrane physics, energy transduction in biological systems, molecular motors, ratchet models. Pre: MTH 244.

- 5) College of the Human Science and Services
School of Education

EDP 612 Qualitative Research Methods in Education (3)

Survey of qualitative methods of educational research: terminology, historical development, assumptions, and models of inquiry. Pre: Current enrollment in the URI/RIC Joint PhD Program.

- 6) College of Pharmacy
Pharmacy Practice

BPS 503 Pharmacokinetics & Pharmacodynamics for Scientists (3)

This course will present the principles of pharmacokinetics and pharmacodynamics with specific emphasis on their application in pharmaceutical science . Pre: MTH 131.

- 7) College of the Human Science and Services
Physical Therapy

PHT 519 Pathophysiology in PT (1)

Physical Therapy cases will be used to facilitate the application of pathophysiological concepts in the examination, evaluation, and interventions in physical therapy. Pre: 1st year standing in the DPT.

Proposed Changes in Degree Requirements

- 1) College of Human Science and Services
School of Education

Change in admissions requirements:

- URI Catalog 2008-09, page 106, Admissions Requirements, paragraph 2, and
- URI Catalog 2008-09, page 41, third column first paragraph.

Current language:	Change to:
4) the student’s academic record, including a cumulative grade point average of 2.50 or better and grades in the academic major or specialization averaging 2.50 or better.	4) the student’s academic record, including a cumulative grade point average of 2.50 or better. In addition, for the Secondary Education and Music Education programs a grade point average of 2.50 in the Arts and Science major or specialization.

Addition of GRE to basic skills testing option:

- URI Catalog 2008-09, page 159, second column first full paragraph.

Current language:	Change to:
Passing the PPST is required as part of the application process: Reading 172, Writing 171, Math 171, or a score of 1,100 on the SAT is required as part of the application	Passing the PPST is required as part of the application process (Reading 172, Writing 171, Math 171), or a score of 1,100 on the SAT (Mathematics and Critical Reading

<p>process. Please contact the appropriate department(s) in the following list for additional information relative to this requirement.</p>	<p>only), or a score of 1000 on the GRE. Please contact the appropriate department(s) in the following list for additional information relative to this requirement.</p>
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2) College of Arts & Sciences
Department of Music

There are three proposed changes in the Master of Music Program.

We are reconfirming that the Master of Music is one degree program with two specializations or tracks: music performance and music education.

There are three curricular changes:

1. The nine credits of electives for both specializations have changed from "from music history and theory/composition (no more than six credits in any one of these areas)" to "in music history, music theory, or applied areas other than in the student's music performance option". The reason for the change is to give the candidates more flexibility.
2. In the music education specialization, we have removed MUS 540 and 545 as requirements and replaced the space in the curriculum with "six credits in graduate music education courses". The reason for the change is to give the candidates more flexibility for selection, and the faculty more flexibility in creating and offering other graduate music education courses. Also, we moved the statement after MUS 580: "not required for student's whose bachelor's degree is from URI".
3. In the Graduate Teacher Certification Program, we removed "form and analysis," "EDC 312," and "includes student teaching seminar". We added MUS 341 and the paragraph describing the application process to the Office of Teacher Education, and the requirements that must be met before EDC 484 Student Teaching. All of this is to make the description of the TCP program consistent with the current requirements in the School of Education and Department of Music.

The remaining text changes are degree regulations already followed by the Music Department. These regulations are in the Department of Music's *URI Music Handbook for Undergraduate Students*, but not in *The University of Rhode Island 2008-2009 Catalog*. This causes confusion regarding our degree program for the students, faculty and public. With the proposed changes, both the *Handbook* and *Catalog* will be the same. This consistency in the two publications is also necessary to meet accreditation requirements of the National Association of Schools of Music.