UNIVERSITY OF RHODE ISLAND
THE GRADUATE SCHOOL

To: Members of the 2009-2010 Graduate Council

From: Nasser Zawia, Interim Dean

Date: 16 October 2009

RE: Agenda for Meeting Number 439 of the Graduate Council to be held on Monday 19 October 2009 at 2:00 p.m. in the conference room of the Alumni Center

I. Call to Order

II. Approval of Minutes of Meeting Number 438

III. Announcements

   A. Graduate Student Forum 20 October 2009 at 2:00pm Memorial Union Ballroom

   B. Doctoral Dissertation Award Recipients

   C. Enhancement of Graduate Research and Scholarship mini-grants

IV. Committees

   A. Curriculum Committee
      (curriculum material is available at http://www.uri.edu/gsadmin/gradCourseProposals)

      i. 400 – level courses

Matters of Information

Changes:

1) College of Engineering

   Electrical Engineering
ELE 401 Lasers, Optical Fibers, and Communication Systems – change in prerequisite to ((205 or 208) and 313 and 322 and 331 and ((338 and 339) or 342) and (credit or concurrent enrollment in 402)) or permission of instructor.

ELE 402 Lasers, Optical Fibers, and Communication Syst Lab – change in prerequisite to credit or concurrent enrollment in 401.

ELE 405 Digital Computer Design – change in prerequisite to (301, 305, and (credit or concurrent enrollment in 406)) or permission of instructor.

ELE 406 Digital Computer Design Laboratory – change in prerequisite to read credit or concurrent enrollment in 405.

ELE 408 Computer Organization – change in prerequisite to (305 and 313, ((338 and 339) or 342) and (credit or concurrent enrollment in 409)), or permission of instructor.

ELE 409 Computer Organization Laboratory – change in prerequisite to credit or concurrent enrollment in 408.

ELE 427 Electromechanical Systems – change in prerequisite to (313 and 322 and 331 and ((338 and 339) or 342) and (credit or concurrent enrollment in 428)) or permission of instructor.

ELE 428 Electromechanical Systems Lab – change in prerequisite to credit or concurrent enrollment in 427.

ELE 432 Electrical Engineering Materials – change in prerequisite to (313 and 322 and 331 and ((338 and 339) or 342)) or permission of instructor.

ELE 435 Communications Systems – change in prerequisite to ((215 or (338 and 339) or 342) and 314 and EGR 106 and (credit or concurrent enrollment in 436)) or permission of instructor.

ELE 436 Communications Systems Laboratory – change in prerequisite to credit or concurrent enrollment in 435.

ELE 444 Advanced Electronic Design - change in prerequisite to ((205 or 208) and 313 and ((338 and 339) or 342) and (credit or concurrent enrollment in 445)) or permission of instructor.

ELE 445 Advanced Electronic Design Laboratory - change in prerequisite to credit or concurrent enrollment in 444.

ELE 447 Digital Integrated Circuit Design I – change in prerequisite to (202 and ((338 and 339) or 342) and 313 and PHY 204 and (credit or concurrent enrollment in 448)) or permission of instructor.
ELE 448 Digital Integrated Circuit Design I Laboratory – change in prerequisite to credit or concurrent enrollment in 447.

ELE 458 Digital Control Systems – change in prerequisites to ((205 or 208) and (314 or 461 or BME 461) and ((338 and 339) or 342) and (credit or concurrent enrollment in 459)) or permission of instructor.

ELE 459 Digital Control Systems Laboratory – change in prerequisite to credit or concurrent enrollment in 458.

Mechanical Engineering

MCE 426 Advanced Mechanics of Materials – change in prerequisite to Pre: 301 or permission of instructor.

MCE 431 Computer Control of Mechanical Systems – change in prerequisite to Pre: 366 or permission of instructor

MCE 434 Heating, Ventilation and Air Conditioning – change in prerequisite to Pre: 341 or permission of instructor

MCE 437 Turbomachinery Design – change in prerequisite to Pre: 341 and 354, or permission of instructor.

MCE 438 Internal Combustion Engines – change in prerequisite to Pre: 341, or permission of instructor.

MCE 440 Mechanics of Composite Materials – change in prerequisite to CVE 220, or permission of instructor.

MCE 448 Heat and Mass Transfer – change in prerequisite to Pre: 341 and 354 and 372, or permission of instructor.

MCE 454 Tribology – change in prerequisite to Pre: CVE 220 and MCE 354, or permission of instructor.

MCE 455 Advanced Fluid Mechanics – change in prerequisite to Pre: 354, or permission of instructor.

MCE 466 Introduction to Finite Element Method – change in prerequisite to Pre: 301 and 372, or permission of instructor.

MCE 491/492 Special Problems – change in prerequisite to Pre: permission of instructor.
ii. 500/600-level courses

**Matters of Information**

**Changes:**

1) College of Engineering  
   Electrical Engineering

**ELE 562 Biomedical Instrumentation Design**—change in catalog description to read:  
Fundamentals of biomedical instrumentation, biocompatibility, medical device materials; safety, noise rejection, biomedical signal processing; measuring, recording, monitoring, and therapeutic devices. Not for undergraduate credit. Not open to students who have credit in BME 462.

2) College of Health and Human Sciences  
   Human Development and Family Studies

**HDF 527 Health Care Policy and the Elderly**—change in prerequisite to graduate standing or permission of instructor and change in catalog description to read:  
Development of policy frameworks and their application for understanding current major health care policy issues across lifespan, including economic, political, and ethical dimensions. Exploration of the experiences of other countries.

**Curricular Matters Which Require Confirmation by the Faculty Senate**

**New Courses**

1) College of Arts & Sciences  
   Women’s Studies/English

**WMS 590 Special Topics in Women’s Studies**
Selected areas of study pertinent to graduate level work in women’s studies. Instruction may be offered in class seminar or tutorial environments according to specific needs and purposes. Pre: Graduate standing or permission of instructor.

   Psychology
NVP 500 Theory and Research on Nonviolence and Peace (3)
NVP / PSY 500 surveys selected issues in the interdisciplinary field of Nonviolence and Peace Studies. It focuses on human problem solving in potentially violent situations, and the creation of conditions for peace.

2) College of Engineering
Ocean Engineering

OCE500 Ocean Engineering Design Studies (1 to 9)
Off-campus ocean engineering design studies. Must include significant hands-on (laboratory or field) experience, use of engineering design tools, and the design, development, test and evaluation of hardware/software systems. Pre: Junior standing in Ocean Engineering and permission of department chair.

Electrical Engineering

ELE 561 Physiological Modeling and Control (3)
Principles of physiological modeling and control of linear and nonlinear systems, stability analysis, root locus, Bode plots, linearization. Pre: Graduate standing in electrical engineering or permission of instructor.

ELE 568 Neural Engineering (3)
Principles and technologies of neuroengineering and clinical applications; brain stimulator, spinal cord stimulation, functional electrical stimulation (FES), neural-machine interface for motor prosthesis control, artificial visual/auditory devices for augmented sensory perception. Pre: Graduate standing in Electrical Engineering or permission of instructor.

3) College of Business
Labor Research

LRS 573 Staffing Organizations (3)
Introduction to the staffing process from scientific, legal, administrative, and strategic perspectives. Covers workforce planning, strategic staffing, job analysis, recruitment, selection testing, interviewing, and making final hiring decisions. Pre: MBA 502 or LRS 500

4) College of Health and Human Sciences
Communications Disorders

CMD 504X Interdisciplinary Research in CMD (2)
This course provides research skills in CMD 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 CMD lecture/lab provides skills in interpreting communication disorders literature and preparing a research proposal Pre: Graduate Standing in Communicative Disorders.

B. Graduate Manual Revision Committee – a process and procedure explanation.

V. Developing a Process for the Assessment of Graduate Programs at the University of Rhode Island – presentation by Peggy Maki, “a higher education consultant specializing in assisting institutions to integrate assessment of student learning into educational practices.”

VI. New Business

VII. Old Business

VIII. Adjournment