

UNIVERSITY OF RHODE ISLAND

Kingston, Rhode Island

Faculty Senate

April 15, 2004

Faculty Senate Curricular Affairs Committee

Four Hundred Twenty-Fourth Report

At the April 12, 2004 meeting of the Curricular Affairs Committee the following matters were considered and are now presented to the Faculty Senate.

SECTION I

Informational Matters

A. College of Arts and Sciences

1. Department of Economics and Department of Political Science

ADD: ECN 308X (or PSC 308X) Game Theory and Strategy (3)

**Elementary mathematics of game theory with interdisciplinary stress on applications in economics, political science, business, biology, etc.. (Lec. 3)
Pre: 100 or 201 or 202, or permission of the instructor.**

2. College Writing Program

CHANGE: Description for WRT 104 by adding "academic essays" to the last sentence.

B. College of Engineering

1. Department of Electrical Engineering

CHANGE: Description for the following courses:

1) ELE 201 Digital Circuit Design (3)

Digital concepts. Combinational logic: gates, Boolean algebra, K-maps, standard implementations. Sequential circuits: flip-flops, timing diagrams, state diagrams, counters and registers, design methods. MSI devices, memory, and programmable devices. (Lec. 3)

2) ELE 202 Digital Circuit Design Laboratory (1)

Laboratory experience in digital electronics. Logic design projects using standard SSI and MSI integrated circuits. Multi-week design project. (Lab. 3)

2. Department of Industrial Engineering

CHANGE: Description and method of instruction for IME 240 as follows:

IME 240 Manufacturing Processes (3)

Introduction to manufacturing processes. Processes, measurement, accuracy, and precision as they relate to deformation, structure, and material properties. (Lec. 3) Pre: CHM 101, PHY 204 or 214, credit or concurrent enrollment in CVE 220.

SECTION II

Curricular Matters Which Require Confirmation by the Faculty Senate

A. College of Arts and Sciences

1. Department of History

ADD: Minor in Underwater Archeology as follows:

To obtain a minor in Underwater Archaeology students must take 18 credits in History, Historical Archaeology, Anthropology, Classical Archaeology, Oceanography, and Marine Policy at least 12 of which must be at the 200 level or above. The required courses and options are outlined below. Students must take HIS/APG490, and either APG417 or ARH 475 (six credits). Students are encouraged to take these required 400 level courses toward the end of their program of studies. In addition, students must take one course from each of the following four groups: Classical

Archaeology/Material Culture (ARH251, 354, 475; ARH/APG465); Anthropology (APG202, 203, 302, 303, 319, 417; APG/MAF413); History (HIS130, 389, 390, 396); Oceanography/Marine Policy (OCE110, 123, 401, 451; MAF 100, 220).

2. Department of History and African and African American Studies Program

ADD: The following courses:

1) HIS 355 (AAF 355) Black Women in the US: Colonial Times to the Present (3)

Women's experiences in the study of African-American history. Assigned readings familiarize students with the state of scholarship and examine the intersection of race, class, and gender in that experience. (Lec. 3) Pre: sophomore standing.

2) HIS 356 (AAF 356) Black Urban History: Late 19th and 20th Centuries (3)

Examines the historical black experience in urban environments in the U.S. Assigned readings, research, and group discussions examine the issues of migration, community, politics, class, and gender. (Lec. 3) Pre: sophomore standing.

3. Department of Psychology

ADD: PSY 255 Health Psychology (3)

Investigates the relationship between behavior and health; emphasizes the theory and science of health behavior change; explores specific behaviors and behavior change strategies from an individual and public health perspective. (Lec. 3)

B. College of Engineering

1. Department of Civil and Environmental Engineering

a. CHANGE: Description, credits and method of instruction for CVE 354 as follows:

CVE 354 Structural Analysis (3)

Introduction to structural analysis and design, statically determinate systems, trusses, beams, frames, influence lines, deflections, conjugate beam, energy methods, statically indeterminate systems, force method, slope deflection, moment distribution, introduction to stiffness method. (Lec. 3) Pre: 220.

b. ADD: CVE 355 Structural Engineering Lab (1)

The use of computer programs in structural analysis. A "teaching" type software program and "professional" type software program will be used. (Lab. 3) Pre: 220 and credit or concurrent enrollment in 354.

2. Department of Electrical Engineering

ADD: ELE 392, 393 and change title and description for ELE 391 to read as follows:

ELE 391, 392, 393 Special Problems (1-3)

Independent study of special engineering problems. Topic and number of credits determined in consultation with the instructor. Pre: permission of instructor. 393 is for S/U credit.

3. Department of Industrial and Manufacturing Engineering

ADD: IME 241 Laboratory for Manufacturing Processes (1)

Laboratory demonstrations and experiments in machining, casting, metrology, and rapid prototyping. Plant visits and lab tours. (Lab. 3) Pre: 240 or permission of instructor.

C. Alan Shawn Feinstein College of Continuing Education

Bachelor of General Studies

CHANGE: Requirements for BGS in Applied Communications by replacing "COM 206" with "COM 381, 382 or 383."

SECTION III

Report on 400-Level Courses and the Doctor of Pharmacy Degree.

No action by the Graduate Council was required

A. Informational Matters

1. College of Engineering

Department of Electrical Engineering

CHANGE: Description for ELE 491, 492 and 493 as follows:

ELE 491, 492, 493 Special Problems (1-3)

Independent study of special engineering problems. Topic and number of credits determined in consultation with the instructor. 493 is for S/U credit.

2. College of Human Science and Services

School of Education

CHANGE: Description for EDC 484 to read as follows:

EDC 484 Supervised Student Teaching

Under approved critic teachers, students participate in classroom teaching and other school activities for a period determined by credit to be earned. Areas include: secondary education, middle level education, elementary education, and early childhood education, S/U credit; and music. (Practicum) Pre: methods course(s) of department involved. Not for graduate credit in education.

B. Curricular Matters Which Require Confirmation by the Faculty Senate

1. College of Human Science and Services

Department of Textiles, Fashion Merchandising and Design

ADD: TMD 427 Portfolios and Presentations (3)

Students create design portfolios using traditional media and digital techniques. Development of original ideas in sketches and technical flats. (Lec. 2, Lab. 2) Pre: 327 or permission of instructor. Not for graduate credit.

2. College of Pharmacy

Pharm.D. Program

CHANGE: Doctor of Pharmacy Degree Tracks to read as follows:

As part of URI's professional degree program, students will select professional coursework in areas of individual interest. This is an opportunity to focus your education in a particular area of practice, through the completion of 12 credits of coursework and a focused advanced practice experiential rotation (PHC 594). Students in the Pharmacy Practice area will retain their College of Pharmacy academic advisor. Students in the Community Practice, Pharmacotherapy, Pharmacoepidemiology/Pharmacoeconomic, or Research track will be assigned an additional track advisor in their area of concentration.

Pharmacy Practice The department of Pharmacy Practice offers a diverse selection of elective coursework that will allow students to select courses in a wide variety of practice areas or in more focused practice such as community practice, pharmacotherapy, pharmacoepidemiology, pharmacoeconomics, or drug information and technology. Students selecting the Pharmacy Practice track have the most discretion in selecting professional coursework offered in the College. Students in the Pharmacy Practice track may take any four College of Pharmacy elective courses (for a total of 12 credits) or choose from the following selection:

PHP 430, PHP 440, PHP 460, PHP/BPS 519, PHP 520, PHP542, PHP 555, PHP 560, PHP 540, PHP 550, PHP 580, PHC 305, HSS 530, WRT 333, PSY 460, NFS 551, 552, and MSI 310

Students in the Pharmacy Practice track will complete an advanced practice rotation (PHC 594) in any area of practice of their preference.

Students interested in *community practice* are encouraged to take PHP 440 Pharmaceutical Care for Special Populations and PHP/BPS 519 Self Care II and PHC 594 in an area of advanced community practice. Students may select their other two courses from any of the other professional electives

offered by the College or from those listed above. Students who focus their elective courses in this way can have the "Community Practice Track" distinction listed on their transcript.

Students interested in *pharmacotherapy* are encouraged to take at least two courses from the following: PHP 430 Advanced Infectious Diseases and Pulmonary Pharmacotherapy, PHP 460 Palliative Care, PHP 520 Advanced GI and Endocrine Pharmacotherapy, PHP 555 Advanced Neuropsychiatric Pharmacotherapy, or PHP 560 Advanced Cardiovascular and Renal Pharmacotherapy; and PHC 594 in an area of specialized pharmacotherapy practice. The remaining two courses can be selected from any professional elective offered by the College or from those courses listed above. Students who focus their elective courses in this way can have the "Pharmacotherapy Track" distinction listed on their transcript.

Students interested in *pharmacoepidemiology* and or *pharmacoeconomics* are encouraged to take at least two courses from the following: PHP 540 Principles, Methods, and Applications of Epidemiology, PHP 550 Pharmacoepidemiology, PHP 580 Pharmacoeconomic Analysis; and PHC 594 in an area that focuses on the application of pharmacoeconomics or pharmacoepidemiology. The remaining two professional courses can be selected from those listed above or any other College of Pharmacy elective course. Students who focus their elective courses in this way can have the "Pharmacoepidemiology/Pharmacoeconomics Track" distinction listed on their transcript.

Students interested in *Drug Information and Technology* are encouraged to take PHC 305 and MIS 310; and PHC 594 in an area of drug information. The remaining two courses may be selected from any College professional course or from those listed above. Students who focus their elective courses in this way can have the "Drug Information and Technology Track" distinction listed on their transcript

Basic Research The Department of Biomedical and Pharmaceutical Sciences offers a research track for highly motivated students. Students will focus on learning the theory and practice of laboratory research techniques; evaluation and quantification of results; and understanding and critical interpretation of scientific literature. They will develop oral and written communication of hypotheses, methods, and interpretation; and will carry out basic scientific research in one of the following four

areas of specialization: medicinal chemistry and pharmacognosy, pharmaceutics and pharmacokinetics, pharmacoepidemiology and pharmacoeconomics, or pharmacology and toxicology. Students will develop a program of study in conjunction with a faculty advisor in their area of interest. All students will take PHC 502 in addition to at least 9 credits of coursework as outlined in their program of study. Students who focus their elective courses in a manner consistent with their program of study in one of the areas of research outlined below can have the "Research Track" distinction listed on their transcript.

Students in the basic research track may also apply and work toward a MS degree (see the joint Pharm.D./MS degree program) in one of the following areas of study:

***Medicinal Chemistry and Pharmacognosy:* Molecular mechanisms of chemical carcinogenesis; combinatorial chemistry; solid-phase peptide synthesis; screening, isolation and structure elucidation of physiologically-active natural products; biosynthesis of microbial and plant natural products; herbal medicine.**

***Pharmaceutics and Pharmacokinetics:* Design, development, production, evaluation and regulatory approval of pharmaceutical and self care products as well as pharmacokinetic and pharmacodynamic studies using virtual, clinical, and preclinical data, often with an emphasis on population approaches.**

***Pharmacoepidemiology and Pharmacoeconomics:* Health and economic outcomes research pertaining to pharmacotherapy as used in human populations. Specializations include medication adherence, decision and cost-effectiveness analyses, post-marketing surveillance, epidemiologic methods, and quality improvement and measurement.**

***Pharmacology and Toxicology:* Research projects explore the mechanisms involved in various disease states and their pharmacological intervention, and mechanisms of toxicity of various environmental agents. On-going topics include the effects of hormonal imbalances and antihypertensive agents on cardiac function and metabolism in hypertension, diagnosis and treatment of arthritis, effect of septic shock on drug metabolism, developmental neurotoxicity of environmental agents, hepatotoxicity and nephrotoxicity of heavy metals, interindividual variation in metabolism of heterocyclic amine carcinogens, regulation and genetic heterogeneity of enzymes involved in drug and xenobiotic metabolism, calcium- and non-**

calcium mediated pathways of cell death, and the development of inhibitors to cell signaling events.

During the last year of study, students will take PHC 594h under the direction of a faculty member as their tracking experience.