

Faculty Senate

October 4, 2002

Faculty Senate Curricular Affairs Committee

Four Hundred Sixth Report

During the summer and the September 30, 2002 meeting of the Curricular Affairs Committee, the following matters were considered and are now presented to the Faculty Senate.

S E C T I O N I

Informational Matters

A. College of Arts and Sciences

1. Department of Art

CHANGE: Title for ART 101 and ART 103 by deleting "I."

2. Department of Communication Studies

ADD: COM 375X The Rhetoric of American Sports in Film (3)

Examines the rhetoric of sports in film. Students will learn to identify and analyze rhetorical messages embedded in films that deal with sports as reflections of the writers'/directors'/producers' cultural vision. (Lec. 3)

3. Department of Economics

ADD: The following temporary courses:

ECN 315X Internet and the Economy (3)

Theory and evidence of the relationship between the internet and the economy. Topics include development of the internet, microeconomic and macroeconomic implications of the internet, and industry analyses. (Lec. 3) Pre: 100 or 201 or 202 or an equivalent course or permission of instructor.

ECN 371X Economics in Islamic Societies (3)

Principles of Islamic economic system. Private property and the market. Freedom of enterprise and role of the State. Comparison with capitalism and socialism. (Lec. 3) Pre: 201, 202 or permission of instructor.

B. College of the Environment and Life Sciences

Department of Fisheries, Animal and Veterinary Science

CHANGE: Expiration for AVS 325X Animal Management III to permit a second offering in Spring 2003.

C. College of Nursing

1. CHANGE: Description for NUR 213:

NUR 213 Pathophysiology (3)

Examination of basic concepts of pathophysiology and the related levels of prevention, etiology, pathogenesis, and clinical manifestations underlying alterations according to biological processes across the lifespan. (Lec. 3) Pre: MIC 201, NUR 203.

2. CHANGE: Title, description and prerequisite for NUR 323:

NUR 323 Medical-Surgical Nursing (6)

Concepts of medical-surgical nursing with emphasis on nursing strategies, and utilizing levels of prevention in management of adults with acute and chronic illness, including the impact of illness on their families. (Lec. 6) Pre: 213, 234; previous or concurrent enrollment in BMS 333.

3. CHANGE: Title and description for NUR 324:

NUR 324 Medical-Surgical Nursing Practicum (6)

Application of medical-surgical nursing strategies in the management of adults with acute and chronic illness, and the impact on their families. (Lab. 18)

SECTION II

Curricular Matters Which Require Confirmation by the Faculty Senate

A. College of the Environment and Life Sciences

1. Department of Cell and Molecular Biology

a. ADD: Option in Biotechnology Manufacturing:

Students are required to take these courses: BIO 101 and 102 or 104A and 104B, 121, 242; CHM 101, 102, 112, 114, 226, 227, and 228 (124 and 126 may be substituted for 226, 227, and 228 for the Biotechnology option); PHY 111 and 185; MTH 111 or 131 or 141; CSC 101 or 201; STA 307 or 309 or 409. A total of 130 credits are required for graduation.

Biotechnology Manufacturing Option. This option is designed to prepare students for professional careers in the biotechnology and biomedical industries in the areas of manufacturing, processing, operations, and technical support. This option requires students to take their basic biology, chemistry and computer science courses prior to taking a 12-credit clinical internship at a regional biotechnology or biomedical company. Students should be aware that internships may be limited in number and are awarded on a competitive basis. Students are selected by the departmental curriculum committee and program officials of affiliated companies. Students interested in this option should consult with the program director early in their college career. Flexibility in the who is not accepted into an internship to fulfill the bachelor of science degree in one of several other concentrations in the department.

Required courses: MTC 195, 199; MIC 190 and 201 or 211; BCH 311, 437, and 453. The program is structured to provide intensive professional and clinical training in the first year of the program so the student may enter the professional field while still pursuing the degree. The remainder of the program may be completed on full-time or reduced-time basis. The electives, chosen in consultation

with the program director and appropriate department officials, may be utilized to create personalized specializations and/or minors in management, training and development, information technology, bioengineering and related areas.

Required Courses Prior to the Internship 32-34 credits: BIO 101 (4), BIO 102 (4) or 104A (3), 104B (3); CHM 101 (3) and 102 (1); CHM 112 (3) and 114 (1); CSC 101 (4) or 201 (4); MIC 190 (3); and URI 101 (1); MTH 111 (3) or 131 (3) or 141 (4); MTC 195 (3); WRT 333 (3).

Internship: MTC 199 (12)

b. ADD: The following courses

1) MTC 195 Biotechnology Manufacturing Methods (3)

Introduction to biotechnology Manufacturing methods including cell culture separation, purification. (Lec. 2, Lab. 4) Pre: enrollment in biotechnology manufacturing option.

2) MTC 199 Biotechnology Manufacturing Internship (12)

Professional field experience in biotechnology manufacturing. The experience will be defined by a job description and learning contract arranged by the internship coordinator, student intern and relevant agency. (Practicum) Pre: enrollment in the biotechnology manufacturing option and approval by the internship coordinator and department chairperson.

2. Department of Fisheries, Animal and Veterinary Science

ADD: AFS 362 Crustacean Aquaculture (3)

Reproductive biology, breeding, culture systems, nutrition, genetics and ecology of selected species of cultured crustaceans. Representative species of penaeid shrimp, freshwater prawns, crayfish, crabs, lobsters, and brine shrimp will be discussed. Offered spring of odd-numbered years. (Lec. 3) Pre: 201 & 202.

***B. College of Pharmacy**

Department of Biomedical Sciences

a. ADD: BMS 333 Nursing Pharmacology (3)

Comprehensive course in nursing pharmacology that forms the basis for therapeutics. (Lec. 3) Pre: junior status and permission of instructor.

b. DELETE: BMS 225 Pharmacology and Therapeutics (3)

**This item was inadvertently omitted from the 405th Report of the Curricular Affairs Committee*

C. College of Nursing

1. CHANGE: Curriculum for B.S. degree in Nursing:

Revised Program Plan		127 Credits	
Semester 1		Semester 2	
BIO 121	4 credits	BIO 242/4	4 credits
CHM 103	3	CHM 124	3
WRT	3	Gen.Ed. C	3
SOC 100	3	PSY 113	3
URI 101	1	NUR 103	3
	14 cr.		16 cr.
Semester 3		Semester 4 - Beginning Spring 2003	
NUR 203	3 credits	NUR 213	3 credits
MIC 201	4	NUR 233	3
NFS 207	3	NUR 234	3
PSY 232	3	1 Gen.Ed.	3
Gen.Ed.	3	1 Gen.Ed.	3
	16 cr.	MTH/STA/Gen.Ed.	3
			15 cr.
Semester 5 - Beginning Fall 2003		Semester 6 - Beginning Spring 2004	
NUR 323	6 credits	NUR 333 (Psych.)	3 credits
NUR 324	6	NUR 334	3

BMS 333	3	NUR 343 (Childbearing)	3
	15 cr.	NUR 344	3
		Gen Ed./Math	3
			15 cr.
Semester 7- Beginning Fall 2004		Semester 8 - *Beginning Spring 2005	
NUR 433 (Pedi Theory)	3 credits	NUR 463 (Adv. MS Theory)	3 credits
NUR 434 (Pedi Clinical)	3	NUR 464 (Adv. MS Clinical)	3
NUR 443 (CommuniW)	3	NUR 474 (Leadership)	3
NUR 444 (Com. Clinical)	3	Gen. Eds.	6
NUR 453 Research	3		15 cr.
	15 cr.		

6 credits Free Electives

**Advanced Med/Surg Theory and Leadership class will be taught across the entire semester.*

**Advanced Med-Surg Clinical will meet 2 clinical days per week for the first half of the semester and the precepted clinical portion of the Leadership Course will be 2 days per week for the second half of the semester.*

2. DELETE: The following courses:

a. NUR 223 Health Promotion: Nursing Strategies and Interventions (3)

b. NUR 224 Practicum in Health Promotion Nursing (4)

3. ADD: The following courses:

a. NUR 233 Foundations of Nursing Practice with Older Adults (3)

Foundational concepts of professional nursing practice emphasizing levels of prevention and nursing care focusing on the older adult in wellness and illness. (Lec. 3) Pre: 203.

b. NUR 234 Practicum in Foundations of Nursing with Older Adults (3)

Practicum emphasizing foundational concepts of basic nursing and levels of prevention focusing on the older adult client in wellness and illness. (Lab. 9) Pre: previous or concurrent enrollment in 233.

SECTION III

Joint Report of the Curricular Affairs Committee and Graduate Council on 400- Level Courses

During the summer and at the September 30, 2002 meeting of the Curricular Affairs Committee and at the September 6 and October 4, 2002 meetings of the Graduate Council, the following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters

1. College of Arts and Sciences

a. Department of Mathematics

***ADD: MTH 490X Problem Seminar in Mathematics (1)**

Consideration of very challenging problems in undergraduate mathematics, such as those that appear on the Putnam Mathematical Competition. (Seminar) Not for graduate credit.

b. Department of Sociology and Anthropology

***ADD: SOC 425X Contemporary Issues in Health Care Delivery (3)**

Contemporary issues in health care delivery; comparative health care systems around the world; the health care delivery system in the U.S. A sociological analysis of care organizations, practitioners, insurance, and treatments; and the social implications of medical technology. (Seminar) Pre: 224 or permission of instructor. Not for graduate credit.

2. College of the Environment and Life Sciences

Department of Plant Sciences

***1) CHANGE: Description and prerequisite for the following courses:**

a) PLS 440 Diseases of Turf and Ornamentals (3)

Diagnosis, epidemiology and control measures of common turf and ornamental plant diseases found in the Northeast United States. (Lec. 3) Pre: 332. Not for graduate credit.

b) PLS 442 Advanced Turf Management (3)

Establishment and maintenance practices for specialty turfgrass areas (golf courses, athletic fields and parks) including design and construction specifications and budget management. (Lec. 3) Pre: 341, 440. Not for graduate credit.

***2) CHANGE: Credits, description and method of instruction for PLS 471:**

PLS 471 Plant Improvement (4)

Traditional breeding, techniques and methodologies used for germ plasm development and enhancement. Plant cell and tissue culture methodologies as they relate to the improvement of plant varieties through biotechnology. (Lec. 3, Lab. 2) Pre: 352. Not for graduate credit. Offered in alternate years.

***3) ADD: The following temporary courses:**

a) PLS 480X Modern Techniques in Genetic Engineering I (4)

First semester of a year long course sequence where students learn current techniques applied in Genetic Engineering. (Lec. 1, Lab. 6) Pre: BIO 101 and BIO 102, BIO 352 or 352 or permission of instructor. BCH 437 or BIO 437 is recommended. Not for graduate credit.

b) PLS 481X Modern Techniques in Genetic Engineering II (4)

Second semester of a year long course sequence where students learn current techniques applied in Genetic Engineering. (Lec. 1, Lab. 6) Pre: 480X. Not for graduate credit.

3. College of Human Science and Services

a. School of Education

ADD: The following temporary courses:

a) EDC 436X Learning and Teaching Writing K-8 (3)

Writing and spelling development and instruction development addressed through participation in writing workshop, readings on writing development and instruction, assessing children's writings, participating in video cases of writing instruction, and developing instructional plans. (Lec. 3) Pre: restricted to students accepted to teacher education or graduate standing or permission of instructor.

b) EDC 447X Evaluating Instructional Materials in Literacy (3)

Designed to teach literacy educators to evaluate instructional materials on the basis of theoretically sound, systematic judgments, and to articulate those evaluations in both oral and written form. (Lec. 3) Pre: restricted to students accepted to teacher education or graduate standing or permission of instructor.

b. Department of Human Development and Family Studies

***ADD: HDF 483X Senior Field Experience Seminar (1)**

Group discussion of field experiences in community agencies, analysis of professional roles and responsibilities, and related academic assignments. Includes ongoing written reflections and portfolio. (Seminar) Pre: concurrent enrollment with 480 and permission of instructor. Senior standing. Not for graduate credit. Service learning.

4. College of Nursing

***a. CHANGE: Title and description for the following courses:**

1) NUR 434 Practicum in Nursing of Children (3)

**Synthesis of pediatric knowledge and the application of the nursing process in the care of children and their families. (Lab. 9)
Pre: Previous or concurrent enrollment in 433.**

2) NUR 443 Community Health Nursing (3)

Analysis of concepts related to public health and nursing care of clients in the home and the community with emphasis on vulnerable and high-risk populations. (Lec. 3) Pre: Previous or concurrent enrollment in 434 and 453 (246 for RN students).

3) NUR 444 Practicum in Community Health Nursing (3)

Application of the nursing process in the home and community with emphasis on vulnerable and high risk populations. In-depth analysis of a selected population, including utilization of epidemiological and public health principles. (Lab. 9) Pre: Previous or concurrent enrollment in 434 and 443 (246 for RN students).

***b. CHANGE: Number, title, description and prerequisite for the following courses:**

1) NUR 423 to NUR 463 (423)

NUR 463 (423) Advanced Medical-Surgical Nursing (3)

Study of nursing care problems and nursing management of adults with acute and chronic complex illnesses, including the impact on their families. (Lec. 3) Pre:444.

2) NUR 424 to NUR 464 (424)

NUR 464 (424) Practicum in Advanced Medical-Surgical Nursing (3)

Application of the nursing process to adults across the lifespan with acute and chronic complex illnesses including the impact on their families in selected clinical situations. (Lab. 9) Pre: Previous or concurrent enrollment in 463.

3) NUR 454 to NUR 474 (454)

NUR 474 (454) Leadership in Contemporary Nursing Practice (3)

Examination of theories, issues, and concepts related to contemporary nursing practice. Emphasis on the application of principles of leadership and professionalism in a clinical experience. (Lec. 1, Lab. 6) Pre: 453. Previous or concurrent enrollment in 464.

***No action by the Graduate Council. Not for graduate credit**

B. Curricular Matters that Require Confirmation by the Faculty Senate

1. College of the Environment and Life Sciences

Departments of Nutrition and Food Science and Fisheries, Animal and Veterinary Science

CHANGE: Title and description for NFS 434 and cross-list as AFS 434:

NFS 434 (or AFS 434) Aquatic Food Quality and Processing (4)

Physicochemical and nutritional characteristics of aquatic fish and shellfish; quality assessment and control; principles and applications in handling and processing fish from harvesting to production; and discussion of current issues. (Lec. 3, Lab. 3) Pre: 342 or permission of instructor.

2. College of Nursing

***a. ADD: NUR 433 Nursing of Children (3)**

Examines theories and strategies which promote or restore health and prevent or manage illness in infants, children and adolescents; includes family-centered concepts and supportive management during end-of-life care. (Lec. 3)

***b. CHANGE: Level, number, title, description and prerequisite for NUR 273:**

NUR 453 (273) Nursing Research (3)

Introduction to principles of scientific inquiry and analytical thinking common to problem solving in nursing. Research process and implications to knowledge development, utilization and evidence based practice are explored. (Lec. 3) Pre: PSY 300, STA 220 or equivalent, 324.

***No action by the Graduate Council. Not for graduate credit.**