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## Curricular Report No. 1986-87-4 from the Graduate Council to the Faculty Senate

University of Rhode Island Faculty Senate

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THE UNIVERSITY OF RHODE ISLAND  
Kingston, Rhode IslandFACULTY SENATE  
BILLAdopted by the Faculty Senate

TO: President Edward D. Eddy

FROM: Chairperson of the Faculty Senate

1. The attached BILL, titled Curricular Report No. 1986-87-4 from the  
Graduate Council to the Faculty Senate

is forwarded for your consideration.

2. The original and two copies for your use are included.
3. This BILL was adopted by vote of the Faculty Senate on February 5, 1987.  
(date)
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Governors, completing the appropriate endorsement below.
5. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective February 26, 1987, three weeks after Senate approval, unless: (1) specific dates for implementation are written into the bill; (2) you return it disapproved; (3) you forward it to the Board of Governors for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Governors, it will not become effective until approved by the Board.

February 6, 1987  
(date)

Richard Katula  
Richard Katula  
Chairperson of the Faculty Senate

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ENDORSEMENT

TO: Chairperson of the Faculty Senate

FROM: President of the University

Returned.

- a. Approved ✓.
- b. Approved subject to final approval by Board of Governors \_\_\_\_\_.
- c. Disapproved \_\_\_\_\_.

✓ 2/23/87  
(date)

✓ Edward D. Eddy  
President

UNIVERSITY OF RHODE ISLAND  
The Graduate School

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE- Report No. 1986-87-4

At its Meeting No. 254 held December 19, 1986 the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information.

A. Labor Studies and Labor Relations Program

1. Temporary Course

LRS 533X Negotiating Pension, Health and Employee Assistance Programs

I or II or SS,3

An analysis of employee assistance plans (EAP's), health fringe benefits and pension plans and their negotiation within both the private and public sectors. (Lec 3) Pre: Permission of instructor and LRC Director. Staff

B. College of Arts and Sciences

1. Department of Biochemistry and Biophysics

a. Temporary Course

BCP 542X Proteins: Purification and Characterization II,3  
Use of techniques for protein purification and activity studies. Laboratories involve enzymology, chromatography, investigation of soluble and membrane-bound receptors, gel electrophoresis and silver staining, thin layer electrophoresis and autoradiography. (Lab 6, Lec 1) Pre: BCP 311 or 581 and permission of instructor. Dougherty/Rhoads

II. Matters Requiring Confirmation by the Faculty Senate.

A. In accordance with Section 8.81.62 of the University Manual - deletion of the following courses:

ACC 694; AVS 512; BCP 612; CHM 535, CHM 544, CHM 627; CVE 650, CVE 671; EDC 585, EDC 510, EDC 511, EDC 512, EDC 513; ENG 548; FIN 540; GEL 525, GEL 542, GEL 555; HED 532; INS 560; INS 570; MCE 575; MGS 663; NUE 581, 582; MKT 602; OCG 609, OCG 544, OCG 545, OCG 660; PCL 550, PHC 546; PHL 966; PSY 616, PSY 671; BOT 540, BOT 659; CSC 505, CSC 535; RUS 901, RUS 902; CNS 532; PSC 507; BSL 692, 693, 694; ELE 516, ELE 585, ELE 586, ELE 587; ADE 575; ZOO 542, ZOO 666; MKT 641; MCH 533 and MCH 646.

B. College of Arts and Sciences

1. Department of Biochemistry and Biophysics

a. Add (New)

BCP 542 Proteins: Purification and Characterization II,3  
Use of techniques for protein purification and activity studies. Laboratories involve enzymology, chromatography, investigation of soluble and membrane-bound receptors, gel electrophoresis and silver staining, thin layer electrophoresis and autoradiography. (Lab 6, Lec 1) Pre: BCP 311 or 581 and permission of instructor. Dougherty/Rhoads

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE - Report No. 1986-87-4

2. Department of Computer Science and Experimental Statistics

a. Change

CSC 502 Theory of Algorithmic Languages and Compilers - title, prerequisite and description to read:

CSC 502 Theory of Compilers I or II,3  
Advanced treatment of compiler design and construction. Lexical analysis and finite state machines, LR and LL parsing, attribute grammars, syntax directed translation, semantic analysis, data flow analysis, code optimization and generation. Compiler generators. (Lec 3) Pre: CSC 302 and credit or concurrent registration in CSC 431. Staff

3. Department of Chemistry

a. Add (New)

CHM 566 Foundations for Advanced Chemical Research I,II,2-6  
Directed studies in the foundations and procedures necessary for the conduct of advanced chemical research. Topics will include library, laboratory and computer skills. May be repeated for a maximum of 6 credits. Pre: 12 credits of CHM courses at the graduate level. Staff

4. Department of Economics

a. Change

ECN 576 Econometrics - credit and method of instruction changed to: 4 credits; (Lec 3, Lab 2)

C. College of Resource Development

1. Department of Fisheries, Aquaculture and Pathology

a. Change

FMT 521 Fishing Gear Technology - title and prerequisite changed to:

FMT 521 Advanced Fishing Gear Technology; Pre: FMT 421 or permission of instructor

b. Add (New)

FMT 516 Early Life History of Aquatic Resource Animals II,3  
Biology and ecology of juvenile and planktonic commercially important species; dynamics of reproduction, fecundity, growth, distribution and behavior as modulated by the physical environment; identification, enumeration and sampling. (Lec 2, Lab 3) Pre: FMT 415, EST 408. Recksiek

D. Graduate School of Oceanography

1. Change

OCG(BOT) 667,668,669 Advanced Phytoplankton Seminar - number, description, credits to:

OCG(BOT) 667 Advanced Phytoplankton Seminar II,1  
Specialized and advanced areas of phytoplankton biology and research, including systematics, physiology, and ecology. (Sem 2) Pre: Permission of instructor. S/U credit. May be repeated. Hargraves/Smayda/Swift

## b. Department of Management Science

CHANGE: Description and prerequisite for MGS 483 as follows:

MGS 483 Business Applications Programming (I,3) Development of business software using COBOL language. Coverage of language syntax; file structures; table processing; sorting; control break reports; editing and validation techniques; maintenance of sequential, direct, and indexed files. (Lec. 3) Pre: 202, 207. Staff

## 3. College of Human Science and Services

Department of Textiles, Fashion Merchandising and Design

ADD: TMD 427X Advanced Apparel Design (II,3) Application of apparel design concepts from inception to patternmaking, to construction and design evaluation. Emphasis on the entire apparel design process working within parameters as will be experienced in an industrial setting. (Lec. 2, Lab. 3) Pre: 205 (or proficiency), 305, 327 and 405. Davis

## 4. College of Resource Development

Department of Fisheries, Animal and Veterinary Science

CHANGE: Description and prerequisite for FMT 415:

FMT 415 Fishery Science (I,3) Classification of resource groups, fishing methods, fisheries mensuration, biology of aquatic resource animals, fisheries ecology, population analysis, aquatic resource management, fish and shellfish farming. (Lec. 2, Lab. 3) Pre: 315 or permission of instructor. Recksiek

## B. Curricular Matters Which Require Confirmation by the Faculty Senate

## 1. College of Business Administration

Department of Management Science

ADD: MGS 486 Advanced Programming and Information Structures (I,II or SS,3) Survey of advanced programming problems and techniques found in business software applications. Emphasis on file design and advanced I/O handling in a COBOL environment. (Lec. 3) Pre: 483. Westin, Kim or Ageloff

## 2. College of Resource Development

Department of Fisheries, Animal and Veterinary Science

ADD: The following courses:

- a) FMT 421 Theory of Fishing Gear Design (I,3) Detailed study of the design considerations and methods of construction of specific representative commercial and scientific sampling fishing gear types. Full-scale and model nets are designed, constructed, and tested. (Lec. 3) Pre: 321 or permission of instructor. DeAlteris
- \*b) FMT 431 Vessel Casualty Prevention (II,3) International and Inland Rules of the Road. Radar collision-avoidance procedures. Design, construction and operation of vessels with emphasis on prevention of sinkings and capsizings. (Lec. 3) Pre: MTH 111, PHY 111 or permission of instructor. Not for graduate credit. Stout
- \*c) FMT 480 Mid-Ocean Navigation (I,3) Theory and practice of celestial navigation. Solution of the navigational spherical triangle. Compass calibration by celestial observation. Great circle sailing. The day's work of the professional ocean navigator. (Lec. 3) Pre: 380 or permission of instructor. Not for graduate credit. Stout
- \*d) FMT 482 Expanded Marine Navigation Practice (I,3) Thorough development of the skills required of the professional navigator for inshore, coastwise, offshore and mid-ocean navigation. Full academic preparation for the navigation phase of license examinations. (Lec. 2, Lab. 3) Pre: 480 or permission of instructor. Not for graduate credit. Stout

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