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CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO FACULTY SENATE #71-72-8

University of Rhode Island Faculty Senate

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Serial Number
UNIVERSITY OF RHODE ISLAND

#71-72-23

FACULTY SENATE

BILL

Adopted by the Faculty Senate

RECEIVED
UNIVERSITY OF R. I.
MAR 13 1972
OFFICE OF THE PRESIDENT

TO: President Werner A. Baum
FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO FACULTY SENATE #71-72-8

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 72-3-9 (date).
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, completing the appropriate endorsement below.
5. In accordance with Section 8, paragraph 2 of the Senate's By-Laws, this bill will become effective on 72-3-30 (date), 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 Trustees for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Trustees, it will not become effective until approved by the Board.

72-3-10
(date)

Stephen P. Schwarz /s/
Chairman of the Faculty Senate

ENDORSEMENT 1.

TO: Chairman of the Faculty Senate
FROM: President of the University

1. Returned.
2. Approved ✓ Disapproved _____
3. (If approved) In my opinion, transmittal to the Board of Regents is not necessary.

3/13/72
(date)

Werner A. Baum /s/
President

(OVER)

UNIVERSITY OF RHODE ISLAND
The Graduate School

Report No. 71-72-8

February 21, 1972

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO FACULTY SENATE

At its Meeting No. 95 on February 18, 1972 the Graduate Council considered and approved the following curricular matters which are now submitted to the Faculty Senate for information or confirmation.

I. Matters of InformationA. College of Arts & Sciences

GEL 440 Introduction to Paleontology prerequisite changed to: GEL 104 or ESC 105 and 106, ZOO 111 or BIO 102, or permission of instructor. (Lec 2, Lab 3)

GEL 410 Geomorphology prerequisite changed to: GEL 103, 104 (or ESC 105, 106) and ESC 104 or permission of instructor.

GEL 421 Optical Mineralogy prerequisite changed to: GEL 420 or permission of instructor.

GEL 425 Principles of Geochemistry prerequisite changed to: GEL 420, CHM 112, 114 (may be taken concurrently) or permission of instructor.

GEL 430 Petrology prerequisite changed to: CHM 112, 114, GEL 421 (may be taken concurrently) or permission of instructor.

GEL 450 Introduction to Stratigraphy and Sedimentation semester offered changed to I

GEL 465 Introduction to Geophysics prerequisite changed to: GEL 103 or ESC 105 and 106, PHY 112 or 214 and 286, or permission of instructor.

GEL 470 Structural Geology prerequisite changed to: GEL 103 and 104, or ESC 105 and 106, PHY 213 and 285 or 111, or permission of instructor.

GEL 526 Igneous and Metamorphic Geochemistry prerequisite changed to: GEL 425, MTH 142 or permission of instructor.

GEL 530 Igneous Petrology prerequisite changed to: GEL 430 or permission of instructor.

GEL 531 Metamorphic Petrology prerequisite changed to: GEL 430 or permission of instructor.

GEL 550 Sedimentation prerequisite changed to: GEL 450 or permission of instructor.

GEL 555 Stratigraphy prerequisite changed to GEL 440 and 450 or permission of instructor.

GEL 561 Evaluation of Geologic Data prerequisite changed to: two 400 level courses in geology and EST 411 or equivalent, or permission of instructor.

GEL 581 (or OCE 581) Coastal Engineering Geology prerequisite changed to: GEL 302 or 410 or OCG 540 or permission of instructor.

GEL 590 Special Problems prerequisite changed to: permission of instructor.

B. College of Home Economics

FNS 503 Nutrition Research Methods add Prerequisite: Permission of Department.

FNS 504 Food Science and Nutrition Seminar add Prerequisite: Permission of Department.

FNS 505, 506 Marine Foods Seminar add Prerequisite: Permission of Department.

C. College of Engineering

MCE 551 Hydrodynamics changed to:

MCE 551 Fluid Mechanics I

I, 3

A basic treatment of real fluid flows using the continuum approach. Solutions of the fundamental system of equations with and without temperature variations. (Lec 3)

Prerequisite: MCE 354, or its equivalent.

MCE 552 Hydrodynamics of Viscous Fluids changed to:

MCE 552 Fluid Mechanics II

II, 3

A continuation of MCE 551 including incompressible irrotational flow, laminar and turbulent shear flows and other special topics of current interest. (Lec 3) Prerequisite:

MCE 551.

D. College of Business Administration

MGS 501 Advanced Business Statistics prerequisite changed to: MGS202 or permission of instructor. Replacement of BST designation by MGS.

MGS502 Advanced Business Statistics prerequisite changed to: MGS 501 or permission of instructor. Replacement of BST designation by MGS.

MGS 681 Operations Management prerequisite changed to: MGS 981 and MGS 985 or permission of instructor; title changed to: Advanced Operations Management.

MGS 682 Quantitative Business Analytical Techniques changed to:

MGS 682 Quantitative Management Analytical Techniques

Development and application of the principal mathematical and statistical techniques used in model building and decision-making under certainty and uncertainty.

Prerequisite: MGS 981 or permission of instructor.

BST 981 Fundamental Business Statistics changed to:

MGS981 Fundamental Management Statistics

Prerequisite: MGS 979 and MGS 980 or permission of instructor.

FIN 416 Long-Term Investment and Financing to Intermediate Financial Management Theory; description to read: An analytical exposition concerning the problems of selecting and financing long-term and short-term investments. The application of mathematical and model building techniques to these problems is emphasized. Prerequisite: FIN 321.

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BSL 900 Law of Business title and credit change to: Legal Environment of Business; course credits from 3 to 2.

OMR 930 Principles of Management course credits changed from 3 to 2.

FIN 940 Principles and Practices of Business Finance credits changed from 3 to 2.

MMG 950 Marketing Survey credits changed from 3 to 2.

MGS 980 Quantitative Methods for Business Analysis changed to: Quantitative Methods for Management Analysis.

OMR 631 Personnel Management changed to:

OMR 631 Human Resources Management

The role of human resources management and its functional relationship within an organization with emphasis on behavioral concepts and their application. Text, cases and research. (Lec 3) Prerequisite: OMR 930.

The replacement of the BST designation by MGS. - This change involves replacing (1) BST 501, 502 and BST 981 with MGS 501, 502 and MGS 981 respectively (Graduate School Bulletin) and (2) "Business Statistics (Organizational Management and Industrial Relations)" with "Management Science" (Graduate School Bulletin).

II. Matters Requiring Confirmation by the Faculty Senate

A. College of Engineering

I. Department of Electrical Engineering

a. Add (New)

ELE 520 Fourier Optics I or II, 3
Application of fourier analysis in optical imaging and data-processing. Systems concepts will be stressed. Scalar diffraction, lenses, coherent and incoherent imaging, spatial filtering and optical information processing, and holography. (Lec 3) Prerequisite: ELE 313 or an equivalent basic knowledge of Fourier Analysis. Spence.

ELE 581(or CSC 581) Intelligence in Machines and Humans I or II, 3
Information processing schemes which exhibit "intelligence". Formal theories of human information processing. Pattern recognition, problem-solving methods, semantic information processing, coordination, and computer-controlled manipulators. (Lec 3) Prerequisite: Basic knowledge of probability and digital logic or permission of the instructor. Birk.

B. Graduate School of Oceanography

1. Add (New)

OCE 524 Chemistry of the Marine Atmosphere II, 3
 Chemical fractionation and the production of aerosols at the air-sea interface, interaction between marine atmospheric trace gases, aerosols, and precipitation; cycles, budgets, and reactions of atmospheric nitrogen and sulfur compounds, carbon monoxide, ozone, the halogens, and organic matter; effect of man on the marine atmosphere. (Lec 3) Prerequisites: OCE 521 and CHM 332 or permission of instructor. In alternate years, next offered 1972-73.

C. College of Arts & Sciences1. Department of Computer Science and Experimental Statistics

a. Add (New)

CSC 581 (or ELE 581) Intelligence in Machines and Humans I or II, 3
 Information processing schemes which exhibit "intelligence". Formal theories of human information processing. Pattern recognition, problem-solving methods, semantic information processing, coordination, and computer-controlled manipulators. (Lec 3) Prerequisite: Basic knowledge of probability and digital logic or permission of the instructor. Birk.

2. Department of Geologya. Changes

GEL 510 Coastal Geomorphology credit distribution changed from (Lec 2, Lab 3) to (Lec 3).

GEL 585 Geohydrology credit distribution and prerequisite changed from (Lec 2, Lab 2) Prerequisite: GEL 302 or 410 or 450 or permission of department to (Lec 3) Prerequisite: GEL 302 or 410 or 450 or permission of instructor.

D. College of Business Administration

1. Add (New)

MGS 979 Computing in Management I, 2
 Computer concepts and programming in a high level language such as BASIC, FORTRAN, or PL/I. Assigned problems emphasize the use of computing as an administrative and analytical tool for applications in management. (Lec 2) Graduate credit for matriculated MBA students only. Staff.

MGS 985 Production and Operations Management I, 2
 Concepts and problems associated with the design and development of systems for the creation of products and services. (Lec 2) Graduate credit for matriculated MBA students only. Staff

OMR 626 Organizational Behavior

I, II, 3

Incorporates the insights gleaned from the disciplines of psychology, sociology, anthropology and the social sciences of politics, economics and history in the study of the behavior of organizations and of their principal actors. Prerequisite: OMR 930 or equivalent. Staff.

OMR 627 Advanced Organization Theory and Behavior

I and II, 3

Utilizing previous knowledge of classical and traditional management thought, students are provided with concepts, analytical approaches, and skills for understanding how behavioral sciences influence complex organizational systems. Prerequisite: OMR 626 Staff.

GBA 691 Directed Study in Administration

I and II, 1-3

Advanced work under the supervision of a member of the staff and arranged to suit the individual requirements of the student. (Lec) Prerequisite: permission of MBA director. Staff.

2. Changes

In general, the MBA program is designed for qualified managers and potential managers who desire a broad preparation for executive and administrative positions in business, government, and nonprofit organizations. Specific objectives are: (1) that students develop quantitative and behavioral techniques for decision-making effectiveness; (2) that students understand the interdependencies and relationships among business disciplines, management systems and the business environment; and (3) that students are equipped with the tools and concepts necessary for effective management in the future. The proposed MBA curriculum is an attempt to meet the objectives suggested for the program and to comply with AACSB accreditation standards. The major changes from the existing MBA curriculum are summarized below:

1. Two new foundation courses have been added. (MGS 979: Computing in Management and MGS 985: Production and Operations Management)
2. Several existing foundation courses--BSL 900, OMR 930, FIN 940 and MMG 950 reduced to 2 credits each.
3. OMR 626: Organizational Behavior has been added as a required advanced MBA course.
4. OMR 631: Personnel Management has been deleted as a required advanced course.
5. The student is given the option of selecting MGS 681: Advanced Operations Management, or OMR 627: Advanced Organization Theory and Behavior.

Accelerated and Modified MBA Program for Naval War College Students

The program will be completed within two summers and one academic year (15 mos). Students will attend full-time during the summers and part-time during the academic year. Summer courses will be given at Kingston and courses during the academic year will be given at the Naval War College. All students admitted will meet the existing MBA admissions standards and will be expected to satisfy all academic requirements of the Graduate School and the College of Business Administration. Transfer of six credits for work taken at the Naval War College is based on the report of the American Council on Education's Commission on Accreditation of Service Experiences. Naval War College students will be permitted to enroll in a supervised writing course (GBA 691) for three credits under the supervision of faculty members from the Naval War College and the College of Business Administration (as is done in the MMA program approved in 1969). All MBA courses will be staffed by full-time, terminally qualified University faculty.

The following changes are requested in the MBA advanced courses to adapt the program to the needs of Naval War College students:

- (a) Delete MMG 651, Marketing Management, as a required advanced course and substitute OMR 627, Advanced Organization Theory and Behavior.
- (b) Permit the student to select one of the following three courses: Advanced Operations Management (MGS 681), Marketing Management (MMG 651), Human Resources Management (OMR 631).

jmo