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4-11-1974

## Graduate Council Curricular Report No. 1973-74--10

University of Rhode Island Faculty Senate

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FACULTY SENATE

BILL

Adopted by the Faculty Senate

RECEIVED  
UNIVERSITY OF R. I.  
APR 18 1974  
OFFICE OF THE PRESIDENT

TO: Acting President Ferrante

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled Graduate Council Curricular Report No. 1973-74--10

\_\_\_\_\_

\_\_\_\_\_

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 April 11, 1974.  
(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 May 2, 1974 (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 Regents for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Regents, it will not become effective until approved by the Board.

April 12, 1974  
(date)

Murray Klein /s/  
Chairman of the Faculty Senate

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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.

4/25/74  
(date)

Wm R Ferrante /s/  
President

(OVER)

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents.

FROM: The University President

1. Forwarded.
2. Approved.

\_\_\_\_\_/s/  
(date) President

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ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

FROM: Chairman of the Board of Regents, via the University President.

1. Forwarded.

\_\_\_\_\_/s/  
(date) \_\_\_\_\_  
(Office)

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ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

1. Forwarded from the Chairman of the Board of Regents.

\_\_\_\_\_/s/  
(date) President

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Original received and forwarded to the Secretary of the Senate and Registrar for filing in the Archives of the University.

\_\_\_\_\_/s/  
(date) Chairman of the Faculty Senate

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE  
Report No. 1973-74-10

At its Meeting No. 124 on March 29, 1974 the Graduate Council considered and approved (where necessary) the following curricular matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. Matters of Information. (For further details, consult the chairman of the department concerned.)

A. College of Arts & Sciences

I. Department of Psychology

a. Experimental Course

PSY 500X Developing Professional Skills in Gestalt Therapy SS, 3  
An intensive workshop experience in the study and practice of Gestalt Therapy. Emphasis will be placed upon developing and acquiring professional skills which can be applied in one's work setting. The workshop is geared for people in the helping-educational professions who have experience in working with people on a one to one basis either as a consultant, counselor or therapist. The force will be upon making available to participants the theory and practice of Gestalt Therapy that can be most easily and usefully integrated into one's present style of helping. Enrollment is limited. The participation and coordination will be carried out by Dr. Stanley Berger and David Drum.

B. College of Engineering

I. Department of Electrical Engineering

a. Experimental Course

ELE 585X Clinical Engineering II, 3  
Clinical training in engineering aspects of patient care. Technological problems of patient monitoring, diagnosis and treatment. Computers in chemical analysis, cardiac catheterization, surgery, medical research. Course held at neighboring hospitals. (Lec 1, Lab 6) Prerequisite: One semester of residency in the Biomedical Engineering graduate program and permission of department. Staff

C. Graduate Library School

I. Experimental Course

LSC 562X Administration of Special Collections II, 3  
The development of the principles and techniques used in manuscript and archival repositories, including acquisition policies, appraisal criteria, methodology, types of finding aids used in repositories, new technology, non-textual archives and opportunities in the archival profession. (Lec 3) Maslyn

CURRICULAR REPORT FROM THE GRADUATE COUNCIL TO THE FACULTY SENATE  
Report No. 1973-74-10

II. Matters Requiring Confirmation by the Faculty Senate.

A. College of Arts & Sciences

1. Department of Chemistry

a. Add (New)

CHM 435(BPH 435) Physical Chemistry for Life Sciences I, 3  
The study of gases, solutions, thermodynamics, equilibrium, kinetics, quantum theory and photochemistry. (Lec 3) Prerequisite: Two semesters of chemistry. Not open to students majoring in chemistry or engineering. May be taken for graduate credit only by students whose disciplines do not require physical chemistry as part of their undergraduate programs. Hamlet and Hartman

*Returned  
to  
Committee*

2. Department of Computer Science & Experimental Statistics

a. Add (New)

CSC 582(ELE 582) Robotics I or II, 3  
Description, design and control of industrial and research robots. Tactual and visual sensing systems. Computer control of manipulators. Object descriptions for manipulation. Obstacle avoidance. Applications. (Lec 3) Prerequisite: Knowledge of matrix algebra and Laplace transforms or permission of instructor. Birk

EST 584(ELE 584) Pattern Recognition I or II, 3  
Random variables, vectors, transformations, hypothesis testing and errors. Classifier design: linear, nonparametric, approximation procedures. Feature selection/extraction: dimensionality reduction, linear and nonlinear mappings, clustering and unsupervised classification. (Lec 3) Prerequisite: ELE 509 and CSC 410 or introductory probability and statistics, knowledge of computer programming. Kelley

b. Change

CSC 581(ELE 581) description changed to-  
CSC 581(ELE 581) Intelligence in Machines and Humans I or II, 3  
Formal theories of human information processing. State-space representation and search. Problem-reduction representations. Predicate calculus for theorem-proving and problem-solving. Semantic information processing. Artificial intelligence programming languages. (Lec 3) Prerequisite: Permission of instructor. Birk

3. Department of Speech.  
a. Add (New)

SPE 415 The Ethics of Persuasion II, 3  
The relation of persuasion to ethics is examined. Purposes, means, results and contexts are considered in making rhetorical judgments of inter-personal, political, and institutional communications. (Lec 3) In alternate years, next offered 1975. Staff

SPE 420 Seminar in American Public Address and Criticism II, 3  
Study of selected American speakers, speeches, and/or movements. Rhetorical analysis used to measure the impact of speakers, speeches, and movements studied. Prerequisite: Permission of Instructor. (Lec 3) Anderson, Doody

SPE 430 Political Communication I, 3  
Analysis of political communication in campaign and non-election situations. Examination of ghost-writing; content analysis, strategies, image making of political speaking; TV and radio presentations; influences on and effects of political communication. (Lec 3) Prerequisite: permission of instructor. Devlin

SPE 431 Readers Theatre II, 3  
Study and practice in selecting, adapting, and arranging a variety of written materials for group performances. A compilation script will be formulated by each student. (Lec 3) Prerequisites: SPE 231 or permission of instructor. In alternate years, next offered Spring 1975. Schmider

4. Department of Economics  
a. Change

From: ECN 438: International Trade and Policy  
To: ECN 338

5. Department of Languages  
a. Change

SPA 410: Field Workshop credits changed from 6 to 3-6

6. Department of Microbiology and Biophysics  
a. Change

MIC 491, 492 Research in Microbiology I and II, 1-6 changed to- Open only to students in the microbiology curriculum. (A student may not receive credit for more than six total credits-i.e. combination of 3 +3, 2 + 4, 1 + 5, etc.)

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B. Graduate Library School  
I. Add (New)

LSC 515 The Library and the Communication Process I, 3  
The importance of applying communication theories to the study of librarianship; Basic concepts and models of the communication and information transfer process; Development of information science from mathematical theory of communication; The function of the mass media in society and the unique function of the library within this spectrum; Informal channels of communication and their relevance to the organization and the relationship of the library to its embedding institution; Interpersonal communications, dyadic encounter, and the reference interview; Application of communications research methodology to problems of librarianship. (Lec 3) Daniel