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48th Report of Curricular Affairs Committee

University of Rhode Island Faculty Senate

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UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate

TO: President Werner A. Baum

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled 48th Report of Curricular Affairs Committee

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 Oct. 17, 1968 (date)

4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Trustees, 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 Nov. 2, 1968 (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.

Oct. 31, 1968
(date)

Agnes P. Dood /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 Trustees is not necessary.

11/13/68
(date)

Werner A. Baum /s/
President

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Trustees.

FROM: The University President

1. Forwarded.
2. Approved.

(date) _____ /s/
President

ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

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

1. Forwarded.

(date) _____ /s/

(Office)

ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

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

(date) _____ /s/
President

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

(date) _____ /s/
Chairman of the Faculty Senate

UNIVERSITY OF RHODE ISLAND

Kingston, Rhode Island

Faculty Senate Curricular Affairs Committee, Forty-eighth Report (Full)
(No Abbreviated Report Filed)

At its meeting on October 3, 1968, the Faculty Senate Curricular Affairs Committee considered the following matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I MATTERS OF INFORMATION (For details check with the chairman of the appropriate department).

A. From the College of Agriculture

1. Department of Animal Science. A.S. 142 Animal Breeding. Change in time offered to second semester, alternate years, next offered 1969 - 1970.

B. From the College of Engineering.

1. Department of Mechanical Engineering and Applied Mechanics. Engineering 4. Technology and Society. Semesters I and II. (Changed from M.E. 83, same title and description, semester I)

II. Matters Requiring Confirmation by the Faculty Senate.

A. From the College of Agriculture

1. Department of Horticulture

a. Course changes

1. Hort. 132 (32) Advanced Floriculture. Change in number and prerequisite to read: Prerequisite Hort. 4, Hort. 31, junior standing.
2. Hort. 144 (44). Change in number and description and minor change in title to read:
Hort. 144 (44). Advanced Landscape Design Semester II
3 credits.

Application of principles of landscaping and combination of unit areas into a complete landscape design for residential properties including pencil, ink, and color drawings. Client conferences and specifications for woody ornamental plants are included.

(Lec. 1, lab. 4) Prerequisite: Hort. 43 and 54.
Caddick.

2. Department of Forestry

a. Add (new)

Forestry 191, 192. Special Projects Semesters I and II, 1-3 credits each.

Special work to meet the needs of individual students in the fields of forestry and wildlife management. (lec. and/or lab according to nature of project)
Prerequisite: permission of department. Staff.

B. From the College of Home Economics

1. Department of Food and Nutritional Science.

a. Renumber courses to read:

FN-141 (41) Advanced Nutrition
FN-144 (44) Diet Therapy
FN-145 (45) Readings in Nutrition
IM-181, 182 (81, 82) Special Problems

b. Add (new)

FN-303 and 304 Marine Foods Seminar Semesters I and II, 1 credit each. Study of current problems of Marine foods such as those concerned with the resource, supply, health safety, nutritive value, preservation and consumer acceptability. Participation by students, faculty and visiting lecturers.

C. From the College of Engineering

1. Department of Civil Engineering

a. Add (new)

CE-297 Numerical Methods in Structural Engineering Semesters I and II, 3 credits each.

Continuation of CE-296. Applications of relaxation, finite differences, ordinary and partial differential equations, to blast loads on structures, bending of plates, and buckling of beams. (Lec. 3) Prerequisites: CE-296 or permission of instructor. STAFF

CE-351 Plate Structures Semester I and II, 3 credits
Fundamental theories of bending and buckling of plates with practical application to the design of structural plate components of metal and reinforced concrete. (Lec. 3)

Prerequisite: Permission of instructor. STAFF

CE-352 Shell Structures Semester I and II, 3 credits each. Membrane and bending theories of thin shells and their practical application to the design of shell and folded-plate structures of metal and reinforced concrete. Prerequisite: CE-351 or permission of instructor. STAFF

CE-355 Matrix Methods in Structural Analysis Semesters I and II, 3 credits each.

Development of finite-element methods of structural analysis. Application to stress problems and to plate and shell structures. (Lec. 3) Prerequisite: Permission of Instructor. (McEwen, Lavelle).

2. Department of Industrial Engineering

- a. Delete M.E. 31 from the Industrial Engineering Curriculum.
- b. Add (new)

I.E. 255 Engineering Applications of Mathematical Programming I semester I, 3 credits. Sensitivity analysis and pricing problems, practical problems in degeneracy and duality, decomposition methods for large scale systems, applied convex, integer, nonlinear and quadratic programming methods. Engineering problems in dynamic and stochastic programming. (Lec. 3) Prerequisites: I.E. 132 and permission of instructor. STAFF

I.E. 256 Engineering Applications of Mathematic Programming II Semester II, 3 credits. Continuation of I.E. 255 (Lec. 3) Prerequisites: I.E. 255 and Math 137. In alternate years, next offered 1969-70. STAFF

I.E. 360 Methods of Optimization, Semester II, 3 credits. Methods of Optimization: indirect, direct elimination, climbing. Geometric programming. Problems and other topics in applied optimization. (Lec. 3) Prerequisites: CS 200 and permission of instructor. In alternate years, next offered 1969-70. STAFF

I.E. 265 Theory of Scheduling, Semester II, 3 credits. Sequencing problems, finite sequencing for a single machine, n/m job shop problems with analytical and heuristic procedures, networks applied to scheduling, queuing systems in scheduling probabilistic scheduling problems. Survey of selected literature. (Lec. 3) Prerequisites: Permission of instructor. In alternate years, next offered 1969-70. STAFF

3. Department of Mechanical Engineering and Applied Mechanics

Delete M.E. 31, 1 credit, Laboratory.