1969

53rd Curricular Affairs Committee Report

University of Rhode Island Faculty Senate

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TO: President Werner A. Baum

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled 53rd Curricular Affairs Committee Report

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 March 20, 1969.

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 April 10, 1969, 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.

March 21, 1969
(signed)
Chairman of the Faculty Senate

ENDORSEMENT 1.

TO: Chairman of the Faculty Senate

FROM: President of the University

1. Returned.

2. Approved V Disapproved ________.

3. (If approved) In my opinion, transmittal to the Board of Trustees is not necessary.

4/11/69 (date)

President

Form approved 11/65
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
Faculty Senate Curricular Affairs Committee Fifty-third Report (full).

At its meetings on February 27 and March 6, 1969, 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 further details consult the chairman of the Department concerned).

A. College of Agriculture.

1. Department of Agricultural Chemistry.
   Ag. Chem. 132. Change title only to:
   *Biochemistry of Food Processing.*

2. Department of Animal Science.
   A.S. 77 (44). Change semester only from II to I.
   A.S. 212. Change description to read:

   212 Advanced Animal Nutrition Semester II, 3 crs.
   Comparative digestion and metabolism of protein, carbohydrate,
   and fat by ruminant and nonruminant animals. The role of vitamins
   and minerals in metabolism. Experimental methods in animal
   nutrition will be discussed. Emphasis will be placed on the
   ruminant animal. (Lec. 2, Lab. 2). Prerequisites: A.S. 112,
   Chem. 23, or 181 and permission of Department. In alternate
   years, next offered 1969-70. HINKSON.

   A.S.: Genetics 102 Population Genetics. Change number to
   Genetics 170 and cross list as (An. Sci. 170).

3. Department of Fisheries and Marine Technology.
   Change course numbers, semester offered, title, description, and/or
   credit distribution as follows:

   a. Fish. 1. Change number to Fish. 31, to be offered during
      second semester, course description to read:

      31 Seamanship II, 3
      Basic shipboard terminology and orientation. Safety at sea.
      Characteristics and use of rope and wire, tackles, gear systems,
      stress factors. Shipboard maintenance. Ship handling. Interna-
      tional Rules of the Road. Knots, bends, hitches, rope and
      wire splicing. (Lec. 2, Lab. 3). Motte
b. Fish. 3. Change number to Fish. 21, title to Fishing Gear I, to be offered during second semester, course description to read:

21 Fishing Gear I II, 3 Detailed study of bottom and mid-water trawls and other dragging gear. Emphasis on the construction, repair and use of different rigs and net designs, including the Seine Net. (Lec. 2, Lab. 3) Thomson

c. Fish. 5. Change number to Fish. 41, offered during first semester, course title, and description to read:

41 Marine Engineering Technology I I, 4 Diesel engine operation, maintenance, testing, timing, and overhaul. Basic principles of diesel designs in common use, including fuel systems, combustion chambers, piston and liner assemblies, camshafts and crankshafts, cooling systems, and lubrication systems. (Lec. 3, Lab. 3) McCauley

d. Fish. 6. Change number to Fish. 42, offered during second semester, course title, and description to read:

42 Marine Engineering Technology II II, 4 Introduction to hydraulics, including operation, maintenance, troubleshooting, installation, and applications. Study of basic hydraulic systems, design of common hydraulic components, and selection of components for various applications. Study and application of mechanical and hydraulic diesel powered drive units. Layout and uses of shipboard water pumps. (Lec. 3, Lab. 3) McCauley.

e. Fish. 7. Change number to Fish. 81, offered during first semester credit distribution and course description to read:


f. Fish. 8. Change number to Fish. 82, offered during second semester, credit distribution and course description to read:

g. Fish. 10. Change number to Fish. 71, course title, offered during second semester and description to read:

71 Vessel Technology
II, 3
Flotation principles, the lines plan, detailed treatment of stability, use of hydrostatic and stability information. Powering, propeller selection. Construction in wood, steel, ferro concrete and GRP. Introduction to vessel economics leading to choice of size and particulars. (Lec. 3) Sainsbury

4. Department of Horticulture. Change description of Hort. 1 to read:

Hort. 1. Home Grounds Semester I, 3 cr.
Principles and practices of the culture and maintenance of flowers, fruits, lawns, shrubs, trees, and vegetables, including plant propagation and labor-saving ideas for the home property. (Lec. 3) Not open to Agriculture students. Caddick

B. College of Arts and Sciences.

1. Department of Education. Changes follow:

Ed. 27 and 28 List both courses together as follows:
Ed. 27 and 28 Child and Curriculum, I and II II, 3 ea.

Description to be the same as Ed. 27 is presently

Prerequisite: Psy. 7 and 32, Ed. 13, concurrent registration in both courses and permission of Department. Open only to students admitted into the elementary education curriculum. (Lec. 3 each) Nally, Stiles and Nagel.

Ed. 30 Change prerequisites from:
Ed. 2 and 12 to: Ed. 3 and 13

Ed. 44 Change prerequisites from:
Ed. 2 and 12 to: Ed. 3 and 13

Ed. 71 Add: Prerequisites: Ed. 12 or 13

Ed. 84 Change title line and description to read:
Supervised Student Teaching. TBA, 6-12 credits.
Under selected and approved critic teachers, students participate in classroom teaching and other school activities for a period of six to sixteen weeks, depending on credit to be earned. Areas for student teaching are: 84a Secondary... (copy as in Cat. p. 113)

Ed. 101 Change semester to be taught from "I and II" to "I"

Ed. 208 Change prerequisite to read "Junior standing."

Ed. 218 Delete course from catalog. This course to be taught only in summer session.
Ed. 230 Delete from catalog. This course to be taught in summer session only.

Ed. 250 Semester taught should read: "I and II."

Ed. 252 Delete "Ed. 150" from prerequisite.

Ed. 254 Change prerequisite from "Ed. 150" to "Ed. 250."

Ed. 263 Change semester to be taught to "I or II"

Ed. 264 Delete from title, words "for adults"
Change semester to be taught to "I or II"

Ed. 266 Change semester to be taught to "I or II"

Ed. 267 Delete from title last three words "...for adult programs."

Ed. 268 Delete from prerequisite: "Ed. 12."

Ed. 289 Delete from catalog. This course to be taught in summer session only.

Ed. 303 Change semester to be taught to "I and II."

Ed. 324 Change title to read "Reading Programs for the Disadvantaged."

Ed. 328 Change semester to be taught to "II"

Ed. 330 Change semester to be taught to "II". Next offered 1970-71.

Ed. 343 Delete from catalog. This course to be taught in summer session only.

Ed. 344 Delete from catalog. This course to be taught in summer session only.

Ed. 350 Delete from prerequisite: "Ed. 250"

Ed. 352 Change prerequisite from Ed. 150 to Ed. 350

Ed. 353 & 354 Change prerequisite from "Ed. 350" to "Ed. 352"

Ed. 360 Add: Prerequisite Ed. 303, 370 or equivalent.
Delete "In alternate years, etc."

Ed. 365 Add: Prerequisite: Ed. 303, 370. Change "staff" to "Moriarty"
Ed. 367 Change semester to be taught to "I and II." Change "Staff" to "Moriarty and Staff."

Ed. 380 & 381 Rephrase first sentence of description to read: 
"A course designed to provide students an opportunity in selected client systems to apply leadership principles and practice."

Ed. 387 Delete from catalog. This course to be taught in summer session only.

Ed. 388 Change semester taught to "I" add: Alternate years, next offered 1969-70.

Ed. 389 Change semester taught to "II"

Change descriptions of Ed. 314 and 382 to read:

314 Current trends in Elementary Education I and II, 3
Course for teachers and administrators in the most effective use of instructional materials, media of communication, and personnel in elementary school. Prerequisite: Educ. 370 or permission of the Department. (Lec. 3). Nally, MacMillan and Kelly

382 Current Trends in Secondary Education I and II, 3
The effective use of instructional materials, media of communication, and organization of personnel and current research. Prerequisite: Educ. 365 and 370, or permission of the Department. Staff

2. Department of Geology.

150 Geomorphology. Change semester to I; add Junior or senior Geology majors only to prerequisites; change offering to fall of even calendar years.

210 Coastal Geomorphology. Change semester to II; change offering to spring of odd calendar years.

3. Department of Journalism.

Change title and description of Journ. 133 to read:

133 Contemporary Press Problems Semester I, 3
Study of selected areas of press concerns, including factors in press content, professionalism and journalistic ethics, economic influences and indicated trends. (Lec. 3). Staff

Change description of Journ. 135 to read:

135 Theory of Communication Semester II, 3
General principles of communication. Emphasis on the effects of mass communication, propaganda techniques in the mass media and public opinion formation and change. (Lec. 3). Staff.
4. Department of Languages

Change title and description of French 210 to read:

210 The Novel of the Twentieth Century Semester I, 3 credits
Intensive study of major novelists with emphasis on trends in
philosophies and in techniques as illustrated by such authors as
Gide, Mauriac, Malraux, Sante-Exupery, Sartre, Camus, et al.
(Lec. 3) Prerequisite: Permission of the Department. Toloudis

C. College of Business Administration

1. Department of Business Education and Office Administration.

Change number only of Bus. Ed. 301 to 310.

D. College of Home Economics

1. Department of Child Development and Family Relations

CF 160 (Ed. 160). Delete cross reference only.

E. Changes in cataloging Statistics offerings.

Early in January, 1969, a subcommittee of the FSCAC was named "To study
and recommend a practical and more systematic method of cataloging all
courses dealing with Statistics." Sub-committee members were W. J.
Hemmerle, P. F. Merenda, H. Sternback, P. S. Wood, and J. A. Cain,
(Chairman).
The sub-committee unanimously endorsed a proposal whereby all course
offerings in the field of statistics (excluding research methodology,
tests and measurements courses, etc) would be listed in the catalog
and course schedule booklet under both the Department (or subject)
heading and a separate heading, Statistics.
The following is the list of courses which will appear under the
heading:

Statistics

Business Statistics (Dept. of Management)

1 and 2 - Business Statistics
201 and 202 - Design and Analysis of Experiments
300 - Fundamental Business Statistics

Experimental Statistics (Dept. of Computer Science and
Experimental Statistics)

111 - Statistical Methods in Research I
112 - Statistical Methods in Research II
211 - Linear Statistical Models
220 - Fundamentals of Sampling and Applications
232 - (Animal Science 232) Experimental Design
241 - Multivariate Statistical Methods
291,292 - Problems in Experimental Statistics
276 - (F&R Econ. 276, Econ. 276) Econometrics I
277 (F&R Econ. 277, Econ. 277) Econometrics II
312 - (Psychology 312) Factor Analysis
Industrial Engineering

111 - Engineering Statistics and Quality Control I
112 - Engineering Statistics and Quality Control II
333 - Advanced Statistical Methods for Research and Industry
334 - Design and Analysis of Industrial Experiments

Mathematics

151 - Introduction to Probability and Statistics
152 - Mathematical Statistics
156 - Probability
250 - Advanced Probability
251 - Advanced Mathematical Statistics I
252 - Advanced Mathematical Statistics II

Psychology

10 - Quantitative Methods in Psychology I
110 - Quantitative Methods in Psychology II
210 - Intermediate Quantitative Methods in Psychology
312 - (Exp. Stat 312) Factor Analysis

II. Matters Requiring confirmation by the Faculty Senate (approval recommended).

A. College of Agriculture.

1. Department of Agricultural Chemistry

   a. Add (new)

      226 (Pharm. Chem. 226) Lipid Chemistry II, 3
      An advanced course in the chemistry of biologically important lipids such as the fatty acids, neutral glycerides, phospholipids, steroids, and the chemistry and biochemistry of the carotenoids. (Lec. 3) Prerequisite: Biochemistry 180. Olney, Quinn, Simpson and Turcotte.

2. Department of Animal Pathology.

   a. Add (new)

      238 Epidemiology of Viral and Rickettsial Diseases II, 2
      The principles of epidemiology. Interrelationships of host, environment and agent in viral and rickettsial diseases. (Lec. 2) Prerequisite: An. Path. 234 (May be taken simultaneously) In alternate years, next offered 1969-70. Chang

3. Department of Animal Science

   a. Add (new)

      1) 161 (An. Path. 161) Laboratory Animal Technology I, 3
      The selection, breeding, and management of laboratory animals. (Lec. 2, Lab. 2). Prerequisite: Zool. 1 or Biol. 2 In alternate years, next offered 1969-70. Henderson & Yates
4. Department of Fisheries and Marine Technology.

a. Add (new)

1) 13, 14, 15 Shipboard Work I, II, III I and II, 1 each Work aboard training vessels in port and at sea. Experience is gained in operating vessels, their equipment and principal methods of fishing. (Lab. 3) McCauley, Motte, Sainsbury

2) Fish 18 Introduction to Commercial Fisheries I, 4 Commercial Fisheries of the World, the United States and New England, including fishing grounds, resources, catch statistics and legislation. Introduction to fisheries biology with emphasis on the natural history of important commercial species and the food chain. Effect of fishing pressure and an introduction to the management of fishery resources. Utilization and principle catching methods for the various important commercial species, including vessels and gear. (Lec. 4) Thomson, Sainsbury

3) Fish 19 Industrial Practicum Summer, 5 A supervised period of industrial application. Students are required to complete eight weeks full time aboard commercial fishing vessels participating in the program. Complete records of the vessels and their equipment together with a daily log compiled by the students, are used in addition to reports from the captains to assess performance. (Practicum total hours 500) McCauley

4) Fish 35 Fisheries Meteorology I, 1 Basic practical meteorology and weather forecasting for the mariner. The atmosphere, heat budget of the earth, hydro-meteors. Fundamental pressure systems, air masses, formation of fronts and associated weather. Precursory signs, tracks and vessel conduct for tropical revolving storms. Ice, icebergs and icing-up conditions. World meteorological organization, coding and decoding of weather reports. (Lec. 1) Not open to students who have taken Geog. 103 Motte

5) Fish 61 Marine Electronics II, 3 Basic electricity applied to fishing. Basic solid state and vacuum tube electronics, D.C. and A.C. machinery, ship wiring, Communications, depth and fish finders, radar, electronic navigation systems. Noise control, siting and preventive maintenance of equipment. (Lec. 2, Lab. 3) Motte

6) Fish 92 Fishing Operations II, 4 Principles of fishing vessel operation. Year round, seasonal, trip, daily planning and work. Working the New England Grounds for principal commercial species, including correct rigging of gear and fishing procedures. Fishing vessel management and business procedures. (Lec. 3, Lab. 3) McCauley
6. Department of Plant Pathology-Entomology.

a. Add (new)

1) 77 (C.E. 77). Biological Aspects of Water Quality I, 3
Basic concepts of water quality and use. Lectures, discussion
and case histories of the causes of pollution. The methodology
for qualitative and quantitative determination and
toxicity bioassay. Water quality requirements, monitoring,
and abatement. (Lec. 2, Lab. 2) Prerequisite: permission
of instructor. Tarswell and staff in collaboration with
the Department of Civil Engineering staff.

B. College of Arts and Sciences

1. Department of Chemistry

a. Add (new)

1) Chemistry 214 Thermal Methods of Analysis II, 3
The theory and applications of the principles of thermody-
namics to the solution of analytical problems. Quantitative
treatment will be given to techniques such as differential
scanning calorimetry, precision calorimetry and miscellaneous
thermal methods of analysis. Particular emphasis is placed
on the evaluation of thermodynamic data obtained from these
techniques and its application to the solution of analytical
problems. (Lec. 3) Prerequisite: Chem. 31. Riley
(Grad. #55).

2) Chemistry 235 Chemical Applications of Group Theory I, 2
The fundamental principles of group theory will be developed
insofar as they are used in simplifying problems of a chemi-
cal nature. The group theoretical approach will be applied
to several typical problems such as hybrid orbitals, molecu-
lar orbitals, and molecular vibrations. (Lec. 2) Prerequisite
Chem. 32. Brown (Grad. #55).

3) Chemistry 236 Molecular Spectroscopy and Structure II, 3
Theory of molecular dynamics and the interaction of electro-
magnetic radiation with matter. Absorption and emission
spectra in the infrared, far-infrared, and microwave regions
will be considered along with Raman scattering in the visible
region. The use of spectral results in determining physical
properties and elucidating molecular structures will be
emphasized. (Lec. 3) Prerequisite: Chem. 235 or permission
of the instructor. Brown (Grad. #55).

4) Chemistry 324 Organic Photochemistry II, 3
Theory and mechanisms of organic photochemistry. Excitation,
intersystem crossings and photosensitization will be dis-
cussed. The essentials of the interaction of light with
matter will be reviewed, including selection rules, group
theory, the Franck-Condon principle. Mechanisms of reaction
and rearrangement are emphasized. (Lec. 3) Prerequisite:
Chem. 327. Alternate years, next offered 1970-71. Vittimberga
(Grad. #55).
The theory and application of some physical methods in organic chemistry, including X-ray diffraction, mass spectrometry and optical rotatory dispersion. (Lec. 3) Prerequisite: Permission of instructor. Alternate years, next offered in 1969-70.
Cheer (Grad. #55).

6) Chemistry 331. Chemical Kinetics I, 3
The topics to be covered include transition state theory, unimolecular decompositions, kinetics of fast reactions, reactions in molecular beams, shock waves, theoretical studies of potential energy surfaces and kinetic isotope effects. (Lec. 3) Prerequisite: Chem. 334 or permission of instructor. Alternate years, next offered Fall, 1969.
Gonzalez (Grad. #55).

b. Delete (Grad. #55)

1) 132 Chemical Kinetics
2) 224 Advanced Techniques for Organic Research

2. Department of Computer Science and Experimental Statistics.

Authorize a program of graduate study leading to the MS degree in Experimental Statistics (Grad. #54).

Comment: The Department of Computer Science and Experimental Statistics currently offers many courses in experimental statistics as service courses. Department faculty with education and experience in statistics devote a large part of their time in consulting with researchers from many areas of the University on statistical problems. The need for statistical services--consultation, course work, research--will continue to grow rapidly at URI with the development of the Sea Grant Program, an increased emphasis on the environmental sciences, and an expanding program in marine economics. These statistical services cannot adequately be provided without a graduate program. Certainly a graduate program in experimental statistics will also help to relieve the shortage of statisticians in industry and government. The proposed program is a strong program compatible with MS programs at other universities and at the same time is a program suited to the needs of the University of Rhode Island.

3. Department of Education

a. Add (new)

1) 384 Extends the present 383 to a two-semester sequence to read:

   Education 383, 384 Supervised Field Study and Seminar in Elementary or Secondary Education I & II, 3

   A two semester sequence for non-thesis candidates, composed of lectures, seminar and field work. Candidates will plan and carry out a field study project approved by the instructor. The completed field study project report must be successfully defended during seminar. Prerequisites: Educ. 303, 360, or 365 & 370, or permission of the instructor. Staff. (Grad. #55)
4. Department of History
   a. Add (new)

   1) History 164 American Maritime History II, 3
      A survey of the maritime development of the United States from
      the founding of the colonies to the present time. Emphasis
      will be placed upon the growth of American merchant shipping
      and naval power and their relationships to American political,
      economic, military and cultural history. (Lec. 3) Prerequisite:
      History 13 and 14, or equivalent. Crandall (Grad. #55).
      (to be offered during the 1969 summer session only).

5. Department of Journalism.
   a. Add (new)

   1) Journ. 140 Criticism, Opinion and Interpretation in the
      Mass Media I and II, 3
      Examination of increasing emphasis on interpretation and
      analysis in the reporting of public events; the development,
      present status and future prospects of mass media criticism
      in such fields as literature, health, architecture and the
      visual and performing arts; role of opinion in the form of
      both editorial pages and signed columns. (Lec. 3) Staff
      (Grad. #55).

   2) Journ. 142 Independent Study and Projects in Mass
      Communications I and II, 1-3 credits
      Individual reading programs, research or projects in journalism
      and mass communications. Prerequisite: Junior standing
      and permission of the Department. Staff (Grad. #55).

   b. Change the description of the Major in Journalism listed on
      page 36 of the 1968 Catalog to read as follows:

      Students selecting this field must complete a minimum of 27
      credits in Journalism, as follows:

      10  Introduction to Mass Communications
      12  News Writing and Reporting
      25  Copy Editing
      26  Reporting of Public Affairs
      34  History of Journalism in the U.S.
      61  Internship in News Writing and Reporting
      133 Contemporary Press Problems
      138  Government and Legal Aspects of Mass Communications
      140  Criticism, Opinion and Interpretation in the Mass Media

6. Department of Languages
   a. Add (new)

   1) French 97, 98 Survey of French Literature I and II, 3
      French 97: Major development in French literature from the
      Middle Ages through 1789. Reading in translation of selective
      literary works from representative authors.
French 98: Continues survey until modern times. French 97 is not a prerequisite for French 98. May not be used for credit toward a major or minor in French. Staff.

Comment: For the first year, this course will be taught only in the CEH program in the Extension Division. When personnel become available, the course will be taught on the campus. A person is available in the Extension Division to teach this course.

b. Delete:

1) German 4 Sc. Introduction to Scientific German.

C. College of Business Administration.

1. Department of Accounting.

a. Change Acct. 134 to Acct. 222 to read:

222 Advanced Cost Accounting
II, 3
Extension of managerial cost accounting, budgeting and relationship of accounting to other quantitative fields. (Lec. 3) Prerequisite: Acct. 121. Staff (Grad. #56).

b. Change Acct. 113 to Acct. 213 to read:

213 Accounting Systems
I, 3
Principles and problems related to design and installation of accounting control systems with emphasis on automated data processing. (Lec. 3) Prerequisite: Acct. 12 and permission of Department. (Grad. #56).

2. Department of Business Education and Office Administration.

On January 3, the FSCAC approved two new courses in Distributive Education, but suggested that, rather than establishing another option in this area, the Department re-arrange the curriculum to show two concentrations—one in the present Social-Secretarial area, and one in Distributive Education. The revised curriculum is presented below:

This curriculum which fulfills the requirement of the State Board of Education for certification, offers students an opportunity to prepare themselves to become teachers of business subjects. Two concentrations are available in the curriculum:

(1) Social Business-Secretarial
(2) Distributive Education

A student electing the Distributive Education concentration will also be certified to teach social business subjects. Students selecting the Social Business-Secretarial concentration will be eligible for certification in both of these areas.
In addition to business and education courses, the programs also provide a broad liberal background. The curriculum for the freshman and sophomore years is common to both concentrations.

### Freshman Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>QBA 1 - Introd. to Quant. Analy. for</td>
<td>Speech Elective</td>
</tr>
<tr>
<td>Bus. and Econ.</td>
<td>3</td>
</tr>
<tr>
<td>Bus. Ed. 21 - Elem. Typewriting</td>
<td>*Science Elective</td>
</tr>
<tr>
<td>Hist. 3 - Hist. of West Civil. to 1715</td>
<td>Bus. Ed. 22-Adv. Typewriting</td>
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<tr>
<td>*Science Elective</td>
<td>2</td>
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<tr>
<td>Engl. 1 - Composition</td>
<td>Hist. 4 - Hist. of West.</td>
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<td>Phys. Ed. 1M or 1W - Phys. Educa.</td>
<td>Civil since 1715</td>
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### Sophomore Year

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Acct. 1 - Elem. Accounting</td>
<td>Acct. 2 - Elem. Accounting</td>
</tr>
<tr>
<td>Mgt. 3 - Principles of Mgt.</td>
<td>Ed. 2 - Introd. to</td>
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<tr>
<td>Econ. 25 - Econ. Principles</td>
<td>Amer. Educa.</td>
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<tr>
<td>Stat. 1 - Elementary Statistics</td>
<td>Econ. 26 - Econ. Principles</td>
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<tr>
<td>Mkt. Mgt. 23 - Fund. of Marketing</td>
<td>Psychology</td>
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<tr>
<td>Phys. Ed. 3M or 3W - Phys. Educa.</td>
<td>Humanities Elective</td>
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*To be selected from Astro. 48; Biol. 1, 2; Bot. 1; Chem. 1, 3, 4, 9, 10; Earth Science 2; Geol. 8, 21; Phys. 1, 2, 9; Zool. 1.

### Social Business-Secretarial Concentration

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>Bus. Ed. 52 - Bus. Machines</td>
<td>Fin. 21 - Corporation Finance</td>
</tr>
<tr>
<td>Acct. 11 - Intermediate Account.3</td>
<td>Acct. 12 - Intermediate Acct. 3</td>
</tr>
<tr>
<td>Ed. 12 - Psychology of Learning</td>
<td>Ed. 30 - Meth. &amp; Mat. in Sec. Teaching</td>
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<td>Humanities Elective</td>
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15-16
French 98: Continues survey until modern times. French 97 is not a prerequisite for French 98. May not be used for credit toward a major or minor in French. Staff.

Comment: For the first year, this course will be taught only in the CEW program in the Extension Division. When personnel become available, the course will be taught on the campus. A person is available in the Extension Division to teach this course.

b. Delete:

1) German 4 Sc. Introduction to Scientific German.

C. College of Business Administration.

1. Department of Accounting.

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b. Change Acct. 113 to Acct. 213 to read:

213 Accounting Systems
I, 3
Principles and problems related to design and installation of accounting control systems with emphasis on automated data processing. (Lec. 3) Prerequisite: Acct. 12 and permission of Department. (Grad. #56).

2. Department of Business Education and Office Administration.

On January 3, the FSCAC approved two new courses in Distributive Education, but suggested that, rather than establishing another option in this area, the Department re-arrange the curriculum to show two concentrations—one in the present Social-Secretarial area, and one in Distributive Education. The revised curriculum is presented below:

This curriculum which fulfills the requirement of the State Board of Education for certification, offers students an opportunity to prepare themselves to become teachers of business subjects. Two concentrations are available in the curriculum:

(1) Social Business-Secretarial
(2) Distributive Education

A student electing the Distributive Education concentration will also be certified to teach social business subjects. Students selecting the Social Business-Secretarial concentration will be eligible for certification in both of these areas.
Com. Pl. 206 Market and Non-Market Decision Making II, 3

An interdisciplinary approach to the determination of human needs and wants as they relate to planning goals and objectives. A framework for the prediction of behavior using the value structure of a culture or sub-culture is presented. Appropriate tools of measurement for qualitative data are studied. (Lec. 3). Prerequisite: Permission of instructor. Jeffrey

F. Graduate Library School.

1. Change: L.S. 218 from 2 to 3 credits (Grad. #56)

III. Additional Matters Requiring Approval by the Faculty Senate

A. Authorization of a program of graduate studies leading to a Ph.D. Degree in Economics, Marine Resource Economics Option.

Comment: This interdisciplinary proposal was made available early in the fall of 1968 to all faculty of the colleges involved. It was debated and approved by the Graduate Council at its 53rd. meeting. It was considered by the FSCAC at three meetings, and members of the proposing faculty were present for questioning at two meetings of the FSCAC.

1. After considerable debate, the motion to recommend approval of the proposal was voted by a majority of the committee members present.

The proposal summary, submitted as the Majority Report follows:

This is a proposal for a Ph.D. in Economics with a single emphasis or option in Marine Resource Economics and is not a proposal for a Ph.D. to be offered by the Department of Economics. The program will be offered by an interdepartmental Faculty which consists of those Graduate Faculty members who are involved in teaching and research in economics in the Departments of Food and Resource Economics, Finance, and Economics.

Authority to offer the program is being requested by the above mentioned Graduate Faculty. The proposal does not include authorization for any Departmental Ph.D. program. The word economics in the title refers to the field of economics rather than to a given department.

The program consists of a basic requirement of courses in economics and statistics, a set of courses concerning the economics of marine resource utilization and management, a selection of electives taken with approval of the student's committee, and a thesis relating to marine resources. The program meets the requirements for a Ph.D. degree set forth in the statement of policies by the Graduate School.

Changes in emphasis of this program or the introduction of any new Ph.D. program in other areas of economics will not be made without proper clearance through the University, the approval of the Council of Presidents and the expressed consent of the Board of Trustees. No proposal for a Ph.D. offered by the Department of Economics is anticipated in the foreseeable future.
No additional faculty are required to undertake the program.

The need for the development of this program at the University of Rhode Island is spelled out in the supporting statement. The proposed program enhances and complements existing and planned programs at the University but in no way duplicates existing or planned programs.

Financial assistance to students in the form of research assistantships will be primarily provided from research grants.

Normal expected growth of physical facilities is adequate for the expected growth of the program.

Library resources related to the program have been surveyed and it has been determined that no supplementary funds will be required to provide an ample library reference and research base for the students in this program.

2. While debating the merits of this proposal it became clear that a sizeable portion of the FSCAC had doubts about various aspects of it which were not satisfied by the responses of the proposing faculty and were considered important enough by these committee members to withhold a recommendation for approval. Their views, constituting a Minority Report on the proposal are summarized as follows:

Certain weaknesses in the proposed program make its approval questionable:

a. Administrative Structure. The "Graduate Economics Faculty," which offers the proposal, does not in fact exist, except as a coalition of economists from various colleges. The transferral of authority, normally delegated to a department, to this "Faculty" with a rotating chairmanship, invites insubility in long-range policy-making and planning. Before establishing another such nebulous administrative body, the functioning of a similar one now in existence, in Biological Sciences, should be studied thoroughly to ascertain the desirability of such an arrangement and its effectiveness.

b. Course Requirements. A disproportionate amount of the curriculum to be required for this doctoral degree (p. 46) is covered in courses not restricted to graduate students only. In fact, in the program as now set down it would be possible to complete the required doctoral course work with the inclusion of only one course restricted to post-baccalaureate students. If such a practice is debatable even in a master's course work, it is the more open to question in a doctoral program which ideally represents the most advanced study in our educational system.

Furthermore, there is no adequate provision for the research training of the doctoral candidate (and, of course, traditionally the doctorate has been a research degree). A course in research methodology and/or at least one seminar should be required of any doctoral candidate.

On the basis, then, of the inadequacy of research training and of the dearth of advanced graduate courses, one must doubt the readiness of the University to offer a bona fide doctoral program in Marine Resource Economics.
In general, the propriety of instituting an additional Ph.D. program at URI in a period of austerity which hampers already existing programs must be seriously questioned. It seems especially ill-advised to pioneer a unique doctorate on the basis of a dubious administrative structure and inadequate academic resources. Hence, it is urged that the Ph.D. Degree in Economics, Marine Resource Economics option not be authorized by the Faculty Senate.

B. Authorization of a program of graduate studies leading to the degree Master of Marine Affairs.

Comment. This interdisciplinary program was considered by the Graduate Council at its 54th and 55th meetings, and after considerable revision, was approved by that body. The program was considered by the FSCAC on March 6 and Dr. Alexander was present at that time to answer specific questions. After lengthy debate the committee members present voted to submit the proposal to the Faculty Senate without a recommendation.

Additional details about the proposal are available in the offices of Prof. Lewis Alexander (2145) and Prof. Daniel Wilkes (2147).

1. The affirmative view

The Graduate Council, composed of graduate faculty representatives from all areas of the University having graduate programs, has reviewed this program in depth and recommended approval after being satisfied that all Graduate School requirements would be met by it. Since most of the debate seems to have been centered on matters for which the Graduate Council should have primary responsibility, the recommendation of that body should prevail.

The rationale for the program follows:

The proposed Marine Affairs Program, the first of its kind in the United States, is designed primarily for persons involved in, or who plan to enter, decision-making positions with respect to the use and control of the marine environment. Within the next few years there is expected to be a growing demand for administrators, advisors, and researchers who have a broadly-based background in marine activities, and who can work in such areas as coastal zone management, marine law, industrial development, legislative counseling, and as advisors to foreign governments on marine activities. It is hoped that most candidates will have obtained a first specialty graduate degree, such as an LL.B., J.D., M.B.A., or M.S. or some comparable experience in depth upon which marine affairs competency will be expanded.

The Marine Affairs Program will consider problems of marine policy at all levels of decision-making - local, state, national and international. The curriculum will include five core courses one each in the fields of oceanography, ocean engineering, marine economics, international law, and geography; in addition there will be nine hours of electives, and a required six-credit interdisciplinary seminar. Although it is broadly-based, the Program will offer the student an opportunity for specialization through the nine hours of electives, and the research activities associated with the interdisciplinary seminars. It will serve to complement and strengthen existing programs at URI, and will afford faculty and students in the participating departments or other graduate programs an opportunity to take part in the Core Seminar.
Initially the program will be funded entirely outside the University budget through Sea Grant funds of the National Science Foundation.

The Graduate Council approved offering the degree, the offering of the Marine Affairs core seminar, and the proposed structure for control.

3. The negative view

Certain reservations and doubts about this program preclude unanimous approval of it. The basic question, already raised in the Graduate Council (Minutes No. 55, Agenda Item 3), is whether the program in fact represents "advanced study on the master's level." The following questions arise in this regard:

1. The number of hours required (30) is minimal. The development of either breadth or of depth cannot be expected with only five core courses (each in a different department) and only three elective courses (concentration in one department).

2. The chief strength of the program rests upon the one six-hour "Core seminar." This seminar might not "click"—for example, by reason of the student personnel upon whom the success of any seminar depends greatly. The failure of the seminar, for any reason, would fundamentally reduce the value of the whole program.

3. Although the proposal states (p. 3) that the program is designed to attract persons already holding a graduate degree, admission is not restricted to such (p. 8). The core curriculum (100-200 level courses) does not appear sufficiently sophisticated to challenge students with a master's; nor, on the other hand, is it sufficiently thorough to train adequately those with only a bachelor's degree.

The proposal for the Master's of Marine Affairs gives the impression of being in fact a certificate program in marine policy (p. 1: "Problems of marine policy...provide a focus for the Program."). No substantive information is available to contradict this view. Hence, there seems little, if any justification to recommend to the Faculty Senate the approval of this proposal for a Master of Marine Affairs Degree.

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NOTE: In order to initiate Faculty Senate debate and judgment on this program, the chairman of the FSCAC will move without FSCAC recommendation the approval of the Master of Marine Affairs proposal.