1965

Curricular Affairs Committee, 22nd Report (parts IB and IIA) and 23rd report (part II) (new courses in the Colleges of Agriculture, Arts and Sciences, Engineering and Home Economics.)

University of Rhode Island Faculty Senate

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From: The Chairman, Faculty Senate  
To: The President, Dr. Francis H. Horn  
Enclosure

1. The attached bill, entitled Curricular Affairs Committee, 22nd Report (parts I B and I IA) and 23rd report (part II) (new courses in the Colleges of Agriculture, Arts and Sciences, Engineering and Home Economics,) is hereby forwarded to you for your consideration.

2. The official original and 2 copies for your use are attached.

3. This bill was approved by vote of the Faculty Senate on October 14, 1965.  

4. After your consideration, will you kindly indicate your approval or disapproval, as appropriate, and return it, completing the appropriate endorsement below.

   November 9, 1965
   (date)  
   (Signature) Chairman, Faculty Senate.  

Endorsement I.

From: The President, University of Rhode Island  
To: The Chairman, Faculty Senate

1. Returned.  
2. Approved X. Disapproved .  
3. (If approved) In my opinion, transmittal to the Board of Trustees would not be desired by the Board and is unnecessary.

   Nov. 11, 1965  
   (Signature) President, Univ. of R.I.  

Received Nov. 12, 1965  
   (Signature) Chairman, Faculty Senate

Original forwarded to Secretary of the Senate and Registrar, E. Farrell, for filing in the archives of the University.

   Nov. 12, 1965  
   (Signature) Chairman, Faculty Senate
Faculty Senate Committee on Curricular Affairs, 22nd Report (full)*

I. The Committee requests that, since the Senate has held its final meeting of the academic year 1964-65 and since the items in question require implementation this summer, the Executive Committee of the Senate, acting for the Senate, approve the following two items at its meeting on June 7, 1965.

A. The request of the Department of Music to deviate from the general education requirements in the curriculum leading to the Bachelor of music degree by reducing the science requirement from the stipulated 9-12 credits to 6-8 credits.

B. The request of the Department of Child Development and Family Relations for approval of the following course to be offered twice (June 20-25 and June 27-July 2) during 1965 only.

C. F. 70. Training Program for Teachers in Project Head Start. 1 credit

Orientation to the health, social service and education aspects of Project Head Start. Open only to professional personnel chosen by local Head Start programs. (36 clock hours of lecture and discussion) R. C. Smart, M. S. Smart, and staff.

Note: This training program is completely financed by the Office of Economic Opportunity through the National University Extension Assn. Approval is being sought by the 'emergency route' because funding of the program has only recently been received.

II. The Committee recommends the following items for confirmation by the Senate, contingent where noted upon the approval of the Graduate Council.

A. New courses from the College of Arts and Sciences (Contingent upon approval of the Graduate Council.)

1. Chem. 124. Applications of Data Processing. Semester II, 3 credits

Chemical calculations are considered in detail and are followed by individual program construction and execution. Among the topics considered are interatomic repulsions, dipole moments, interaction of bond orbitals, fitting ORD curves, calculations of spectra, and quantum mechanical approximations. (Lec. 2, Lab. 3). Prerequisites: Chem. 22, 32 and a one semester course in Fortran programming or equivalent experience. In alternate years, next offered 1965-66.

Mac Kenzie

*No abbreviated report filed.
2. Geol. 170 Introduction to Geophysics Semester I, 3 credits

Introduction to the physical properties of the earth, its interior and the forces shaping the major tectonic structures. Primarily solid state geophysics relating to the earth's crust, gravity, the earth's core, geomagnetism, earthquakes and seismology. Also application of instrumental geophysical exploration techniques. (Lec. 3) Prerequisite: Geology 8 or 9 or permission of department. Alternate years, next offered Fall, 1965.

3. Physics 212 Topics in the Physics of the Earth Semester II, 3 credits

Physics of the earth. Topics chosen from: elasticity, seismology, and the structure of the earth; terrestrial electricity, gravity, heat flow, magnetism, radioactivity, and tides; physics of the upper atmosphere. (Lec. 3) Prerequisite: permission of the department, Dietz.

4. Zool. 168 Mammalogy Semester II, 3 credits

Characteristics and adaptive significance of mammals encompassing their evolution, classification, distribution, life-histories, population dynamics and behavior. Methods and techniques of identification, collection and preparation of local mammals for study. Field work will be emphasized. (Lec. 2, Lab. 3) Prerequisite: Zool. 1 or Biol. 2, Zool. 16 or equivalent. In alternate years, offered 1965-66, Clough.

B. Changes in forms and procedures for the Faculty Senate Committee on Curricular Affairs.

Comment: After approximately a year's trial of the forms approved by the Senate in October, 1964, for requesting approval of course changes and new courses by the Committee on Curricular Affairs, a sub-committee of that group was appointed to evaluate the forms and relevant procedures and to suggest modifications.

It is the opinion of the sub-committee that the information provided by the forms has been invaluable as has been the convenience of having copies of pertinent information for each member of the committee. In addition, a number of department chairmen have reported to the committee chairman that, because of the necessity of filling out the forms, requests have been more carefully thought through before presentation for action. On the other hand, problems have become apparent: 1) as changes have been made at various steps in the approval process, it has been difficult to insure the incorporation of the changes on all copies; 2) the forms provide for information on only two of the many kinds of action handled by the committee; 3) since requests are on separate sheets, there is danger of a single item being mislaid; and 4) the mass of the records accumulating in the committee's ongoing file is considerable.
The revised procedures retain the advantages of the forms while eliminating as many of the disadvantages as possible. In essence, a format rather than a form is to be used in requesting action by the Curricular Affairs Committee. Committee representatives of the respective colleges have more responsibility in organizing materials for the Committee's use and in presenting requests from their colleges to the Committee. The list of items handled on an informational basis has been modified.

The committee recommends:

1. that the use of the forms approved by the Senate on October 15, 1964, for presenting new courses and course changes be discontinued, and

2. that the revised procedures for presenting requests to the Committee on Curricular Affairs, as outlined below, be approved.

PROCEDURES:

The broad scope of the activities of the Curricular Affairs Committee is indicated in the charge to the committee, outlined in the Faculty Manual, 7th edition, (pp 32, 33). When questions arise as to whether items are within the purview of the committee, reference should be made to the charge.

A. Information Required

1. Each request should begin with a clear, concise statement of the action for which it seeks approval, the statement to be as specific as the nature of the request permits.

2. The most common requests deal with 1) changes in existing courses, 2) addition of new courses, 3) deletion of courses, and 4) changes in existing curriculums.

For these requests, the following information should be provided, where pertinent, in the sequence listed.

a. changes requested in existing courses (list dept., current number and title in each case)

   1) Course number
   2) Credits
   3) Title
   4) When offered
      Semester
      Summer session(s)
      Alternate years
   5) Lecture and/or laboratory
      (clock hours)
   6) Proposed catalog listing
      (necessary only when description is changed; underline changes)
   7) Reasons for changes

Note: See page ___ of 1965 Catalog for correct numbering, statement of semesters, etc., limit course descriptions to 30 words, if possible; study 1965 catalog for style.
b. new courses

1) Proposed complete catalog listing
2) Expected distribution of registrants (Fr., Soph., Grad., etc.) in terms of numbers
3) Place of course in curriculum(s) involved
4) Extent to which this course overlaps any other course on campus. Justify overlapping and provide statement from other departments involved (pro or con).
5) New facilities required (equipment, laboratory, library, etc.).
6) Availability of personnel

c. deleted courses

Note: If a course number is changed, the old number is carried in ( ) following the new number and need not be listed among deleted courses.

1) List deletions together, giving names of courses
2) Note if a deletion is contingent upon approval of another change

d. changes in curriculums

1) Give brief explanation of reasons for changes.
2) Summarize changes, indicating those requiring committee approval
3) Provide copies of the revised curriculum incorporating the changes

If a request is of a nature not covered above, consult the Chairman of the CCA to determine the kind of supporting information that will need to accompany the request.

B. Responsibility of College Representatives on CCA

1. All materials (including informational reports) will be forwarded to the chairman of the CCA by the deans of the respective colleges via the college representative on the Committee, whose responsibility shall be to:

a. determine, by consulting with the chairman of the CCA, which items can be handled on an informational basis, and, in these cases, to forward simultaneously, after committee review, identical copies (initialled by the dean) to

1) Registrar
2) Editor of Catalog
3) President of the University

b. collate all other requests and supporting material in sufficient numbers for all committee members (12 copies)

c. prepare a summary statement suitable for use in the abbreviated report to the Senate listing all changes involved in the requests (12 copies)

d. distribute these items (b and c above) to committee members for study prior to CCA meetings

e. move for approval of the requests and answer questions
C. Sequence of Action

1. Items requiring Senate approval

   a. Department Faculty
   b. College Faculty
   c. Dean of College (signature)
   d. For courses below 100 level (omit d(1 and 2)
      For courses at 100 level or above (include d(1 and 2)
         (1) Graduate Council
         (2) Dean of Graduate Faculty (signature)
   e. Curricular Affairs Committee
   f. Faculty Senate
   g. President
   h. Editor of Catalog

2. Items not requiring Senate approval

   a. Items handled on an informational basis
      1) Change in number at same level
      2) Change in title if minor
         if major, must have new number at same level with
         old number in ( )
      3) Time offered
      4) Description, if minor
      5) Prerequisites (if checked with others affected)
      6) Accommodations to delete or added courses resulting
         from prior committee action

   b. Items which do not need informational copies to CCA and the President
      1) Changes in staff
      2) Years next offered

   c. Sequence

      1) Dept. chairman (memo form)
      2) Academic dean
      3) Identical copies, original initialed by dean, sent after review
         by the CCA chairman and the Committee by the college representative
         simultaneously to
            1) Registrar
            2) Editor
            3) President of the University

III. The committee wishes to go on record as urging deans and department chairman
      to make a conscientious effort to use their most effective and stimulating
      teachers in freshman courses, as one approach to combating freshman dropouts.
The request of the Department of Child Development and Family Relations for approval of the following course to be offered twice (June 20-25 and June 27-July 2) during 1965 only.

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R. C. Smart, M. S. Smart, and staff.

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2. Geol. 170 Introduction of Geophysics Semester I, 3 credits

Introduction to the physical properties of the earth, its interior and the forces shaping the major tectonic structures. Primarily solid state geophysics relating to the earth's crust, gravity, the earth's core, geomagnetism, earthquakes and seismology. Also application of instrumental geophysical exploration techniques. (Lec. 3) Prerequisite: Geology 8 or 9 or permission of department. Alternate years, next offered Fall, 1965.

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II. The Committee recommends the following new courses for confirmation by the Senate.

A. From the College of Agriculture, Department of Animal Science.

A.S. 144, Animal Food Products Semester I, 3 credits

The technological problems dealing with procurement, manufacture, transportation, grading, packaging and storage of animal food products. (Lec. 2, Lab. 2) Prerequisites: Bact. 1 and Chem. 1. Cosgrove

B. From the College of Engineering, Department of Civil Engineering.

1. C. E. 277, Stream and Estuarine Analysis Semester I or II, 3 cr.

The fundamentals and mathematical concepts of physical and biological factors applied to the evaluation of the pollution capacity of streams and estuaries. (Lec. 3) Prerequisite: Math. 44. Campbell

2. C. E. 278, Industrial Waste Water Treatment Semester I or II, 3 credits

Advanced considerations of industrial waste disposal problems of major waste producing industries, including the study of waste producing processes, composition of waste waters, treatment methods, and inplant abatement techniques. (Lec. 3) Prerequisite: Permission of instructor. Blecharczyk

3. C. E. 366, Advanced Concrete Design Semester I or II, 3 credits

Design of indeterminate prestressed and reinforced concrete structures. Study of current research, time and temperature effects, and development of design codes. (Lec. 2, Lab. 3) Prerequisite: C.E. 251. Clarke or Lavelle