COMMITTEE ON CURRICULAR AFFAIRS, 18th Report. Report on B.A. degree; approval of courses given only once; course changes in Arts and Sciences, Home Economics, Business Administration and the Graduate School.

University of Rhode Island Faculty Senate

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UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island
FACULTY SENATE

Transmittal Form for Bills Approved by the Faculty Senate

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

1. The attached bill, entitled COMMITTEE ON CURRICULAR AFFAIRS, 18th Report.
   Report on the B.A. degree; approval of courses given only once; course
   changes in Arts and Sciences, Home Economics, Business Administration and the
   is hereby forwarded to you for your consideration. Graduate School.

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

3. This bill was approved by vote of the Faculty Senate on
   February 18, 1965
   (date)

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

   March 2, 1965
   (date)
   (Signature) Chairman, Faculty Senate.

Endorsement 1.

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

1. Returned.
2. Approved __. Disapproved __.
3. (If approved) In my opinion, transmittal to the Board of Trustees
   would not be desired by the Board and is unnecessary.
   March 1965
   (date)
   (Signature) President, Univ. of R.I.

Received March 5, 1965
   (Signature) Chairman, Faculty Senate

Original forwarded to Secretary of the Senate and Registrar, E. Farrell,
for filing in the archives of the University.
Faculty Senate Committee on Curricular Affairs, 18th Report (abbreviated)

The committee recommends for confirmation by the Senate the following items:

I. Report of the Committee on the all-University B.A. degree.

II. Procedures for approval of courses for summer school to be offered on a "once only" basis.

III. Undergraduate course changes.

A. From the College of Arts and Sciences.
   2. French
      a. change no., title, and description for French 81 (61); 82 (62); 84 (64).
      b. Add (new) French 83 Poetry and Drama of the Twentieth Century.
   4. Mathematics change no., title, prereq., time offered, and/or description for Math. 25 (24); 53; 81.
   6. Psychology change no., title, prereq., credit, and/or description for Psych. 3 (21); 60 (11); 65 (12).

B. From the College of Home Economics
   1. Textiles and Clothing change no., title, and/or description for T.C. 3; 5 (4); 25 (21); 27 (23).

IV. Graduate course changes via the Graduate Faculty.

A. From the College of Arts and Sciences.
   1. Chemistry
      b. Change number, title, credits, time offered, pattern or clock hours, prereq., and/or description of Chem. 122; 125; 237 (137); 334 (234).
2. **French add (new):** French 111 Advanced Composition, 211 Realism, 216 French Theatre since 1950, 220 s Romantic Prose, 221s Romantic Poetry and Drama.

3. **Geography.**
   a. renumber Geog. 141 (41)
   b. Add (new) Geog. 102 Climatology, 212, Seminar in Urban Geography, 192, Special Problems in Geography, 291 and 292 Seminars.

4. **Journalism** change no., title, and description of Journ. 133 (33).

5. **Philosophy add (new) Phil. 105, Esthetics, 124 Contemporary Philosophical Problems, and 151 Advanced Logic.

6. **Physics.**
   a. change number and title of Physics 165 (103); 150 (220).
   b. add (new) Physics 200 Graduate Laboratory, 201, 202 Mathematical Methods of Physics, 261, 262, Electromagnetic Theory I and II, 271, 272 Classical Dynamical Theory I and II, 301 Electromagnetic Theory III.

7. **Zoology add (new) Zool. 164, Ichthyology.**

B. **From the College of Business Administration**

1. **Finance add (new) Finance 130 Problems in Business Finance and 140 Problems in Security Analysis.**

2. **Management, change no. and prereq. for Mgt. 107 (7); 157 (57); 158 (58); and 164 (64).**
Faculty Senate Committee on Curricular Affairs

The following changes in degrees, procedures, and courses have been approved by the respective college faculties having cognizance and by the Graduate Faculty where pertinent, and have been reviewed and approved by this committee. The committee requests confirmation of their approval by the Faculty Senate.

I. All-University B.A. degree.

A. Report of C.A.C. sub-committee to study the B.A. degree, which recommends

1. That the all-University Bachelor of Arts degree be eliminated.

2. That the B.A. degree be offered only in the College of Arts and Sciences.

Comment:

The present all-University requirements for the Bachelor of Arts degree were drawn up by a special committee in 1948 and included in its report recommending the establishment of a liberal arts program at Rhode Island State College and requesting the Board of Trustees for permission to award the B.A. degree.

A reconsideration of these requirements has been on the agenda of the Senate Curricular Affairs Committee since the first semester of its existence, and a subcommittee was appointed in October 1964 to deal with this matter.

The subcommittee has solicited advice and opinions from the academic deans. It has also studied all of the available reports that led to the requirements adopted in 1948. These documents deal only with the breadth of subject matter coverage; they do not reveal any concern with the nature of the candidate's field of concentration.

The subcommittee reached an early and unanimous agreement that the proper definition of the B.A. degree involves not only distributional requirements but must also limit the field of concentration. The area considered appropriate for a major in the B.A. Curriculum is that of liberal studies, i.e. the arts, humanities, social sciences and the 'pure' natural sciences. The important characteristic that unites these fields and that sets them apart from other areas is the concern for ideas in themselves rather than in their application; the curriculum is not merely nor primarily a means toward some other end, as is the case in a professional or preprofessional curriculum. While the liberal studies are also generally considered to occupy a central position in education, serving as the trunk from which the other branches of learning grow, their most significant distinguishing feature is their common purpose--the "pursuit of knowledge for its own sake"--and the consequent manner in which they are taught and studied.
In our opinion the requirements for the B.A. degree should include, in addition to breadth of subject matter coverage, a quality of depth in the liberal studies such as that made possible by a major and a minor in the B.A. Curriculum in the College of Arts and Sciences.

E. B. Goodwin
E. W. Hartung
H. N. Welli
D. M. Pratt, Chairman

B. The Curricular Affairs Committee recommends that, if the above recommendations are approved by the Senate, the Executive Committee of the Senate shall request the curriculum committee of the College of Arts and Sciences to study requirements for the B.A. degree and to recommend specific majors and minors which would qualify for the degree.

II. Procedures for approval of courses for summer school to be offered on a "once only" basis.

A. Such courses shall be developed and the personnel chosen by the dean of the summer school in cooperation with the chairman of the department involved and be approved by the academic dean.

B. Verbal approval of such courses shall be obtained from the Chairman of the Faculty Senate Curricular Affairs Committee or his representative. This approval shall then be made a matter of written record in the Curricular Affairs Committee.

III. Undergraduate course changes

A. From the College of Arts and Sciences


2. French

a. changes in titles and descriptions*

1) French 81 (61) from French Literature of the 19th Century to Romanticism with the following catalog listing:

<table>
<thead>
<tr>
<th>81 (61) Romanticism</th>
<th>Semester 1, 3 credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Romantic poets and prose writers of the first half of the 19th Century. Writers usually studied are Chateaubriand, Constant, Lamartine, Musset, Vigny, Hugo, Sand. (Lec.3)</td>
<td></td>
</tr>
<tr>
<td>Prerequisite: French 12. Waters</td>
<td></td>
</tr>
</tbody>
</table>

*Note that for completeness in catalog listing, changes in numbers (at the same level), prerequisites, credits, etc. are included without comment since they do not require Senate approval.
2) French 82 (62) from French Literature of the 19th Century to Realism and Symbolism with the following catalog listing:

82 (62) Realism and Symbolism Semester II, 3 credits

Realism and symbolist movements of the 19th Century. Writers usually read are Balzac, Stendhal, Flaubert, Zola, Baudelaire, Verlaine, Rimbaud, Mallarme. (Lec.3) Prerequisite: French 12, Scammon.

3) French 84 (64) from French Literature of the 20th Century to French Prose of the 20th Century with the following catalog listing:

84 (64) French Prose of the 20th Century Semester II, 3 credits

Contemporary French prose, with special emphasis on the novelists of the period. (Lec.3) Prerequisite: French 12 or equivalent. Scammon.

b. addition of one new course:

1) French 83 Poetry and Drama of the 20th Century Semester I, 3 credits

Representative poets and dramatists. (Lec.3) Prerequisite: French 12 or equivalent. Waters.

3. Journalism

a. minor changes in descriptions:

1) Journ. 10. Introduction to Mass Communications Semester I or II, 3 credits

Introduction to the processes of mass communication; a comprehensive survey.....

2) Journ. 35. Theory of Communication Semester II, 3 credits.

Introduction to general principles of communication. Emphasis on study of the effects of mass communication...


a. changes in titles and/or descriptions*

*Note that for completeness in catalog listing, changes in numbers (at the same level), prerequisites, credits, etc. are included without comment since they do not require Senate approval.
1) Math. 25 (24) from Solid Geometry to Foundations of Euclidean Geometry with the following new description:

25 (24) Foundations of Euclidean Geometry
Semester II, 3 credits
Rigorous development of elementary Euclidean plane geometry. Introduction to non-Euclidean geometries for comparison. Recommended for those planning to teach geometry in secondary schools. (Lec.3) Staff.

2) Math 53 Foundations of Mathematics with the following new catalog listing:

53 Foundations of Mathematics Semester II, 3 credits
Elementary mathematical logic. Sets, mappings. Postulational basis of various familiar number systems. Arithmetic of cardinal and ordinal numbers, finite and transfinite. Historical and critical survey. (Lec.3) Prerequisite: Math 42 or equivalent. Alternate years, given in 1965-66. Staff.

3) Math 81 History of Mathematics with the following catalog listing:

81 History of Mathematics Semester I, 3 credits
General survey course in development and philosophy of mathematics. Provides a cultural background and foundation for advanced study in various branches of the subject. (Lec.3) Prerequisite: Math 42 or equivalent. Alternate years, given in 1965-66.


6. Psychology
   a) changes in title and/or description*

1) Psych. 3 (21) from Psychology of Personal Adjustment to Towards Self Understanding with the following catalog listing:

3 (21) Towards Self Understanding
Semester I and II, 3 credits
Individual and social problems of normal persons. Problems of personality development, social behavior and wholesome adjustment reactions (Lec. 2, Rec. 1) McGuire, Grebstein.

*Note that for completeness in catalog listing, changes in numbers (at the same level), prerequisites, credits, etc. are included without comment since they do not require Senate approval.
2) Psych. 60, 65 (11,12) Experimental Psychology, with the following catalog listing:

60,65 (11,12) Experimental Psychology, Semesters I and II, 4 credits
Lectures, demonstrations and laboratory experiments in fields of sensation, perception, psychophysics, and learning. Students carry out independent experiments and write scientific reports (Lec. 2, Lab. 4) Prerequisite: Psych. 1, 10, or permission of instructor. Psych. 60 prerequisite for Psych. 65. Camp, Grebstein.

B. From the College of Home Economics

1. Textiles and Clothing

a) changes in title and/or description:*

1) T.C. 3. Consumer Problems in Textiles and Clothing with the following new description:

3 Consumer Problems in Textiles and Clothing Semester I or II, 3 credits
Consumer purchase, use, and care of clothing as related to sociological, psychological, economic, and physiological aspects. Various physical tests on fabrics. Field trips. (Lec. 2, Lab. 2) James and Darden.

2) T.C. 5 (4) from Clothing Problems to Introductory Clothing with the following new description:

5 (4) Introductory Clothing Semester I or II, 3 credits

3) T.C. 25 (21) from Applied Dress Design to Intermediate Clothing with the following new catalog listing:

25 (21) Intermediate Clothing Semester I or II, 3 credits
Flat pattern designing with emphasis upon relationship of flat pattern principles to fit. Application of principles in modifying and executing a design. (Lec. 1, Lab. 4) Prerequisite: T.C. 5 or placement test satisfactorily passed. Weeden.

*Note that for completeness in catalog listing, changes in numbers (at the same level), prerequisites, credits, etc. are included without comment since they do not require Senate approval.
4) T.C. 27 (23) from Costume Design to Apparel Design with the following new catalog listing:

27 (23) Apparel Design Semester I or II, 3 credits
Principles of design as applied to contemporary costume with special emphasis on creative presentation. Laboratory work concentrated on original "croquis" and illustrative techniques. (Lec. 1, Lab. 4) Prerequisite: T.C. 5 or permission of instructor. In alternate years, next offered 1965-66. James.

IV. Graduate course changes via the Graduate Faculty.

A. From the College of Arts and Sciences

1. Chemistry
   a) addition of 3 new courses

1) (new) Chem. 102 Intermediate Organic Chemistry Semester II, 3 credits
   Nucleus of the atom, isolated atom, chemical bond, magnetic effects in chemistry, complex ions, hydrides, rare-earths, inorganic polymers, inorganic reaction mechanisms, thermodynamics. (Lec. 3) Prerequisite: Chem. 32. Nelson.

2) (new) Chem. 133 Elementary Chemical Thermodynamics Semester I, 3 credits
   The laws of chemical thermodynamics and their application to homogeneous and heterogeneous systems. The classical development of this subject is followed. (Lec. 3) Prerequisite: Chem. 32. Kraus.

3) (new) Chem. 226 Nuclear and Radiation Physics in Biology (Biophysics) Semester II, 4 credits
   Fundamental aspects of radioactivity; alpha and beta particles and gamma rays, radiation detection; application of tracer techniques to biological systems; interaction of high energy radiations with matter and with biological systems; health physics and disposal of radioactive wastes. (Lec. 3, Lab. 6) Prerequisite: Chem. 32 or Phys. 61 and Biol. 2 or permission of the department. Alternate years, next offered 1965-66. Fisher.

b) change in number, title and/or description

*Note that for completeness in catalog listing, changes in numbers (at the same level), prerequisites, credits, etc. are included without comment since they do not require Senate approval.
1) Chem. 122 Organic Reactions with the following new catalog listing:

122 Organic Reactions Semester II, 4 credits

Advanced organic chemistry, simple molecular orbital theory and reaction mechanism. The laboratory covers advanced techniques in organic synthesis. (Lec. 3, Lab. 3) Prerequisite: Chem. 22. Vittimberga.

2) Chem. 125 Qualitative Organic Analysis with the following new catalog listing:

125. Qualitative Organic Analysis Semester I, 4 credits

Methods for identification of typical organic compounds. Consideration given to separation and identification of components of mixtures. Use of infrared and nuclear magnetic resonance spectra is emphasized. (Lec. 2, Lab. 6) Prerequisite: Chem. 22. Abell.

3) Chem. 238 (137) Colloidal Chemistry with the following new catalog listing:

238. Colloidal Chemistry Semester II, 2 credits

Study of phenomena relating to solid, liquid, and gas interfaces. (Lec. 2) Prerequisite: Chem. 32. Alternate years, next offered 1966-67. Kraus.

4) Chem. 334 (234) from Chemical Thermodynamics to Advanced Chemical Thermodynamics with the following new catalog listing:

334 (234) Advanced Chemical Thermodynamics Semester II, 3 credits

Statistical thermodynamics is developed and applied to the calculation of thermodynamic properties. (Lec. 3) Prerequisite: Chemistry 133 or permission of the department. Alternate years, next offered 1965-66. Kraus.

2. French.

a. Addition of 5 new courses.

1) (new) French 111 Advanced Composition Semester I, 3 credits

Primarily a course in stylistics designed to prepare undergraduate and graduate majors to write expository French prose. (Lec. 3) Prerequisite: 9 hours of French Literature. Required to GTE majors (secondary) in French, optional for other students. Porter.
2) (new) French 211 Realism. Semester I, 3 credits

French realism as illustrated in Flaubert, Zola, de Maupassant, the Goncourt et al. (Lec. 3) Prerequisite: Graduate status or permission of the department. Scammon.

3) (new) French 216 French Theatre since 1950. Semester II, 3 credits

Emphasis on the theatre of the absurd and its origins: Beckett, Adamov, Ionesco, Arrabal, et al. (Lec. 3) Prerequisite: Graduate status or permission of the department. Waters.

4) (new) French 220s Romantic Prose Summer School, 3 credits

Writers to be studied include Mme. de Stael, Chateaubriand, Senancour, Constant, Hugo, Vigny, Sainte-Beuve, Gautier, Musset, Sand. (Lec. 3)

5) (new) French 221s. Romantic Poetry and Drama. Summer School, 3 credits

Writers studied are Lamartine, Vigny; Musset, Hugo. (Lec. 3)

3. Geography

a. Renumber Geog. 41 to 141. Geography of Europe with the following prerequisite: Geography 1 or permission of the department.

b. Addition of 5 new courses:

1) (new) Geog. 102 Climatology. Semester II, 3 credits

An analysis of the patterns of climate throughout the world, including theories of climatic change and recent efforts toward climate control. (Lec. 3) Prerequisite: Geography 1. Alternate years, next offered 1966-67.

2) (new) Geog. 212 Seminar in Urban Geography. Semester I, 3 credits

Urban patterns; their development, size, spacing, structure, economic base, and relationships with the hinterland. Emphasis on methods for the study of urban environment. (Lec. 3) Prerequisite: Geography 3 and 111. Alternate years, next offered 1965-66.

3) (new) Geog. 192. Special Problems in Geography. Semester II, 3 credits

Individual guidance in major readings in geography and methods of geographic research. (Lec. 3) Prerequisite: Permission of the department.

Note: description to be combined with that of Geog. 191.

4) (new) Geog. 291, 292 Seminars. Semester I & II, 3 credits each.

Courses designed to cover areas of special research interests of graduate students. (Lec. 3) Prerequisite: Permission of the department.
4. Journalism.

a. changes in number, title and description of Journalism 133 (33) from The Press and Society to Public Opinion, the Press and Society with the following new description:

133 (33) Public Opinion, the Press and Society
Semester I, 3 credits

The study of the nature, influence, and measurement of public opinion, especially as it affects and is affected by the press in modern society. Evaluation of the communications media with respect to their role in public opinion, education, and propaganda. Practice in conducting and interpreting opinion surveys on questions of contemporary interest. (Lec. 3)

5. Philosophy

a. addition of 3 new courses.

1) (new) Phil. 105 Esthetics Semester I, 3 credits

A systematic exploration of the philosophical problems arising from human interest in the beauty of nature and in the products of the fine arts; the nature, and kinds, of arts; esthetic norms and standards of criticism. (Lec. 3) Prerequisite: Junior standing.

2) (new) Phil. 124 Contemporary Philosophical Problems Semester II, 3 credits

A survey of some of the more important philosophical developments during the last century; realism, pragmatism, positivism, analytic philosophy, materialism, existentialism, and certain other philosophical movements. (Lec.3) Prerequisite: Phil. 3.

3) (new) Phil. 151 Advanced Logic Semester I, 3 credits

Selected topics in modern symbolic logic including calculus of propositions, predicate calculus and modal logics. Attention will be given to philosophical and mathematical aspects of the subject and to the methodology of the special sciences. (Lec.3). Prerequisite: Phil. 1.


a. changes in number and/or title

1) Physics 165 (103) from Solid State Physics to Introduction to Solid State Physics with the following catalog description:

Structural properties of crystal lattices, thermal, electrical and magnetic properties of solids, free electron theory of metals, band theory of solids, semi-conductors, imperfections in crystal. (Lec. 3) Prerequisite: Permission of the department.
b. addition of 9 new courses

1) Physics 150 Advanced Optics  Semester II, 3 credits

Fermat's principle, image formation, aberrations, photometry, Maxwell's equations and transition to ray optics, superposition and interference of light waves, Fresnel-Huygens-Kirchoff theory of diffraction, polarization, Rayleigh scattering, dispersion. (Lec. 3) Prerequisite: Permission of the department. Alternate years, next offered 1966-67.

Note: This is actually a new course which was originally proposed as 220. It was listed by error as a change in number in the abbreviated report.

2) (new) Physics 200. Graduate Laboratory

Semester I or II, 3 credits

Laboratory experiments designed to be performed by beginning graduate students. The laboratory will consist of a limited number of classic experiments to be completed with precision and thoroughness. Experiments will be selected primarily from the areas of atomic, nuclear and solid state physics. (Lab. 6) Prerequisite: Permission of the department. Required of all graduate students.


Semester I & II, 3 credits each

Definition of a vector, vector algebra and calculus, scalar and vector fields, linear vector operators, coordinate transformations, vector operations in curvilinear coordinates, dyadics, tensors, simple applications of the theory of finite groups. Partial differential equations of physics and their solutions; diffusion equation, wave equation, Schrodinger equation, Klein-Gordon equation, elements of the theory of probability. (Lec. 3) Prerequisite: Permission of the department.

4) (new) Physics 261 Electromagnetic Theory I

Semester I or II, 3 credits

Coulomb's law, Gauss' law, scalar potential, boundary value problems, multipole expansion, dielectrics, magnetic field due to stationary currents, scalar and vector potential, magnetic materials, Faraday's law, Lorentz force, conservation laws, Maxwell's equations. (Lec. 3) Prerequisite: Physics 172, 201.

5) (new) Physics 262. Electromagnetic Theory II

Semester I or II, 3 credits

Scalar and Vector wave equations and their solutions, retarded and advanced potentials, Lienard-Wiechert potentials, radiation from an arbitrary moving charge, multipole radiation, wave guides, cavity resonators, plasma oscillations, theory of relativity. (Lec. 3) Prerequisite: Physics 261, 202.
6) (new) Physics 271 Classical Dynamical Theory I
   Semester I, 3 credits
   Lagrange's equations, holonomic and non-holonomic constraints, applications to dynamical systems, non-inertial systems, alternate formulations of mechanics, theory of small vibrations, variational principles, Hamiltonian formulation of dynamics, canonical transformations. (Lec. 3) Prerequisite: Physics 171, 201.

7) (new) Physics 272. Classical Dynamical Theory II
   Semester II, 3 credits
   Poisson's brackets, infinitesimal contact transformations, Hamilton-Jacobi equation, action-angle variables, transition to quantum mechanics, special problems in dynamics. (Lec. 3) Prerequisite: Physics 271.

8) (new) Physics 301. Electromagnetic Theory III
   Semester I or II, 3 credits
   After developing the covariant formulation of electrodynamics, selected topics of current interest in electromagnetic theory such as accelerator design, etc. will be discussed. (Lec. 3) Prerequisite: Physics 262. Alternate years, next offered 1966-67.

7. Zoology
   a. Addition of one new course
      1) (new) Zool. 164 Ichthyology
         Semester II, 3 credits

B. From the College of Business Administration

1. Finance
   a. Addition of two new courses.
      1) (new) Finance 130 Problems in Business Finance
         Semester II, 3 credits
         An analysis of selected advanced problems in business finance. The case method will be used. (Lec. 3) Prerequisite: Finance 21.

      2) (new) Finance 140 Problems in Security Analysis
         Semester II, 3 credits
         An examination of specific industries, companies, and securities from the individual and institutional point of view. Techniques of investment analysis, management of risks, return on investment values. Annual reports and current cases will be used. (Lec. 3) Prerequisite: Finance 22.
2. Management

a. Change number and prerequisites.

1) Management 107 (7) Administration Practice with the following prerequisites: Mgt. 3 or permission of instructor.

2) Management 157 (57) Production Management with the following prerequisites: Stat 2 or permission of instructor.

3) Management 158 (58) Production Management with the following prerequisites: Stat 2 or permission of instructor.

4) Management 164 (64) Quantitative Analysis of Managerial Operations with the following prerequisites: Mgt. 3 and Stat 2 or permission of instructor.