1968

44th Report of CCA

University of Rhode Island Faculty Senate

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UNTIVERSITY OF RHODE IS1LAND  
FACULTY SENATE  
BILL  
Adopted by the Faculty Senate  

TO: President Francis H. Herne  
FROM: Chairman of the Faculty Senate  

1. The Attached BILL, titled 44th Report of CCA -- Approve all course changes and requests except those of Department of Pharmacology, II, E 3. Approve program for Ph. D. in English; Non-thesis M.A. program in History. Approve undergraduate curriculum changes in Psychology and Pharmacy. 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 February 16, 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 March 8, 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.  

February 23, 1968  
(date)  
/s/ Chairman of the Faculty Senate  

ENDORSEMENT 1.  

TO: Chairman of the Faculty Senate  
FROM: President of the University  

1. Returned.  

2. Approved.  

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

Form approved 11/65  
(over)
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
At its regular meeting on January 25, 1968, the Faculty Senate Committee on Curricular Affairs considered the following matters, which are now submitted to the Faculty Senate for information or for confirmation.

I. MATTERS OF INFORMATION

A. From the COLLEGE OF ARTS AND SCIENCES

1. Department of History

a. Change course descriptions to read:

History 175 German History Since 1871 Sem. II, 3 cr.

The rise and fall of the Second and Third Reich from the unification in 1871 to the present split between the Federal Republic of (West) Germany and (East) German Democratic Republic, with emphasis on political and cultural history. (Lec. 3) Prerequisite: History 174 or permission of the Department. In alternate years, next offered 1969-70.

History 201 Colloquium in European History Sem. II, 3 cr.

Intensive study of major interpretative works in European history. (Lec. 3) Prerequisite: Graduate or senior standing; permission of the Department.

History 202 Colloquium in American History Sem. I, 3 cr.

Intensive study of major interpretative works in American History. (Lec. 3) Prerequisite: Graduate or senior standing; permission of the Department.

History 211 Seminar in American Colonial History (The Seventeenth and Eighteenth Centuries) Sem. I or II, 3 cr.

Intensive research on selected topics in the Colonial period of American History. (Lec. 3) Prerequisite: Permission of the Department.

b. Change course numbers to read:

History 162 (116) Civil War and Reconstruction
193 (153) Introduction to Research in History
191 (156) Directed Study or Research
393 (353) Seminar in Historical Studies

2. Department of Languages

a. Change title and catalog description to read:
German 180, The German Lyric  
Sem. II, 3 cr.

Intensive study of the German lyric from the seventeenth century to the present. (Lec. 3) Prerequisite: German 12 or 26. In alternate years, next offered 1969-70.

b. Change prerequisites to read: "German 12 or 26" for:

German 55, 56, German Literature of the Eighteenth Century  
61, 62, German Literature of the Nineteenth Century

c. Change number and time offered to read:

Spanish 146 (145) The Drama of the Golden Age  
Sem. II, 3 cr.

3. Department of Mathematics

Change prerequisites to read:

Math 156, Probability, Prerequisite: Math 151  
225, Topology I, Prerequisite: Math 125

B. From the COLLEGE OF ENGINEERING, Department of Industrial Engineering

Replace C. S. 100 with C. S. 110 in the undergraduate curriculum.  
(C. S. 100 has been deleted.)

C. From the COLLEGE OF PHARMACY

1. Department of Pharmacognosy

Change number to read:

P'Cog. 59 (49), Public Health

2. Department of Pharmacy Administration

Change prerequisites to read:

P'Ad. 52, Management and Merchandising, Prerequisite: 5th year standing  
53, Drug Marketing, Prerequisite: Econ. 23 or 25

II. MATTERS REQUIRING CONFIRMATION OF THE FACULTY SENATE (All items requiring approval of the Graduate Council are contingent on such approval at the February 9, 1968 meeting of the Council)

A. From the COLLEGE OF AGRICULTURE

a. Delete: A. S. 25, Poultry Judging  
51, Poultry Market Technology  
Sem. I, 3 cr.
b. Add (new):

Evaluation of modern high production egg and meat strains of fowl and selection for exhibition characters. Grading live and dressed poultry and eggs, poultry processing, and laws regulating processing and distribution of poultry products. (Lec. 1, Lab 4) In alternate years, next offered in 1969-70.

2. Department of Food and Resource Economics

Add (new): F. R. 165, Seminar in Regional Economic Development (See Econ. 165)

B. From the COLLEGE OF ARTS AND SCIENCES

1. Department of Botany
Renumber to read: Botany 236 (136), Phytopathology Techniques

2. Departments of Economics and Geography

Analysis, using specific case studies, of the problems and techniques of regional planning for economic development in and among the underdeveloped nations. (Lec. 3) Prerequisite: Economics 23 or 26, or Food and Resource Economics 8, or Geography 3, or permission of the Departments.

To be cross-listed as Geography 165 and F. R. 165.

3. Department of English

a. Add (new):

English 101 The American Writer and the Negro SS II 1968 only, 3 cr.
General survey of writings by and about Negroes in American literature. Representative works providing an aesthetic and social view of the American Negro. (Lec. 3)

English 104 The Ballad SS II 1968 only, 3 cr.
The Western European ballad tradition, with particular emphasis on the development of that tradition in Britain and America. Analysis of traditional, broadside, and native American ballad texts; processes of variation, rationalization, and localization; relationships between the folk ballad and the literary ballad. Musical knowledge is not a prerequisite, although taped and recorded illustrations will be used. (Lec. 3)
b. Approve program of graduate studies leading to and authorize the granting of the Doctor of Philosophy degree with a major concentration in English.

1) Comment:

The Department has requested that the authorization be effective as of July 1, 1968, but with the understanding that the Department will not begin formal admissions to the program until the summer sessions of 1969. A year's delay in the actual start of the program will give the Department needed lead time to advertise it, to recruit the best possible students, and to develop further our library and staff resources. At the same time, the Department is requesting formal authorization this year so as to become eligible for federal grants for which it cannot apply until the program has received final approval by the Board of Trustees.

2) The Need for a Doctoral Program in English

The Department has been convinced that such a program is sorely needed by three facts:

A. Beyond any question there is a vigorous local demand for a doctoral program in English. For the past three years, since word got out that such a program was in the preliminary planning stage, the Department has been besieged with inquiries about it. Interest has been especially keen among the faculty members of colleges and junior colleges in this area, as well as among our own M. A. students. There is no doubt that we shall be swamped with applicants.

B. Beyond the immediate local scene, there is an acute regional and national shortage of Ph. D.'s in English. For every doctoral candidate who is graduated in the U. S. there are at least two jobs open, and the situation seems to get more critical every year. With college enrollments increasing constantly, there is an insatiable demand for well qualified people in this field. The Modern Language Association, the massive professional association (over 26,000 members) for college teachers of English and other modern languages and literatures, is acutely aware of the problem. For the last two years a high level committee of the MLA has been at work on a study of ways to speed up and modernize the training of Ph. D.'s in English to meet the shortage. The present proposal incorporates some of the preliminary recommendations of this committee (see PMLA, LXXXII (Sept., 1967), A10-11).

Of particular interest were the minimum standards in staff and library materials suggested for new Ph. D. programs; in overall resources our Department is already well above the minimums.
C. The Department also feels that since it is by far the largest and most fully developed department in the state university it has a certain responsibility to the people of Rhode Island to inaugurate a doctoral program of the highest quality that its resources will permit.

3) Present Graduate Program and Resources

The Department of English already has a long established and thriving graduate program on the master's level. In the fall of 1967 we expect to enroll over 200 M. S. students in Kingston and Providence. The number of English graduate students has grown very rapidly in the last three years especially. Here are the totals of M. A. degrees in English completed and awarded since 1955 as listed in June Commencement Programs:

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The total for 1968 is likely to be close to 50, since 18 English M. A. 's have already been completed in the summer sessions of 1967 and were voted by the University faculty on September 18, 1967.

4) Areas of Specialization

1. Old English
2. Middle English
3. English Literature of the 16th Century
4. English Literature of the 17th Century
5. English Literature of the 18th Century
6. English Literature of the 19th Century
7. American Literature before 1900
8. Modern Literature British and American

5) Requirements:

In addition to satisfying the requirements of the Graduate School, each candidate must complete a minimum of 72 credits, including 48 credits of course work and 24 credits of thesis, research, and independent study.

A student, studying full time and progressing toward his degree at top speed, could complete his doctorate in three years (from the B. A.), though in practice most students would probably take closer to four years. In general, the requirement that each student must choose to be examined in
five of the eight fields in his Comprehensive Examination will tend to encourage a considerable spread of course work over several periods, and to discourage excessive concentration of course work in the area of the dissertation.

4. Department of Geology

Add (new): Geology 205, Evaluation of Geologic Data Sem. II, 3 cr. Development and evaluation of concepts of quantification of geologic data, sampling, accuracy, precision, and hypothesis and model formulation. Sources, types, and degrees of error in sampling, measuring and presenting geologic data. (lec. 3) Prerequisites: Two 100-level courses in geology and Statistics 201 or permission of the Department. In alternate years, next offered 1968-69.

Geology 257, Sedimentary Petrology Sem. I, 3 cr. The characteristics of sediments and sedimentary rocks as a function of the environments of source, transportation, deposition, and diagenesis. (Lec. 2, Lab. 3) Prerequisite: Geology 231 or permission of the Department. In alternate years, next offered 1968-69.

5. Department of History


124, Social and Intellectual History of the United States

164, United States During the Early National Period: 1783-1850

b. Add (new):

History 121 The Renaissance Sem. I, 3 cr. A study of Europe in transition during the fourteenth through the early sixteenth centuries; the economic, social, and religious backgrounds of the Renaissance. Emphasis upon cultural and artistic developments. (Lec. 3) Prerequisite: History 3.

History 123 The Reformation Sem. II, 3 cr. Change of European society resulting from Protestant and Catholic Reformations; rise of secular states and emerging national states. Emphasis upon cultural developments and the dawn of modern science. (Lec. 3) Prerequisite: History 3.

History 159 American Colonial History to 1763 Sem. I, 3 cr. American history from the founding of the colonies to the end of the French and Indian War, including developments within the colonies as well as their relationship with England. (Lec. 3) Prerequisite: History 13 or equivalent. In alternate years, next offered 1968-69.
History 160 The American Revolution and Confederation, 1763-1789
Sem. II, 3 cr.
The social, political and economic aspects of the Revolution and
Confederation periods. (Lec. 3) Prerequisite: History 13 or
equivalent. In alternate years; next offered 1967-68.

History 161 The United States During the Early National Period,
1789-1850
Sem. I, 3 cr.
American history from the Constitution through the Federalist,
Jeffersonian, and Whig periods with emphasis upon political devel-
opments and social and economic aspects of the era. (Lec. 3)
Prerequisite: History 13 or equivalent. In alternate years,
next offered 1968-69.

History 165 Social and Intellectual History of the United States
to 1865
Sem. I, 3 cr.
Survey of social and intellectual development to the end of the
Civil War, including literary, artistic, and scientific trends,
reform movements and growth of the democratic ideal. (Lec. 3)
Prerequisite: History 13. In alternate years, next offered
1969-70.

History 166 Social and Intellectual History of the United States
1865 to the Present
Sem. II, 3 cr.
Social and intellectual development after the Civil War, including
literary, artistic, scientific trends, with particular attention
to the interaction between concepts and institutions during
periods of social reform. (Lec. 3) Prerequisite: History 13
and 16. In alternate years, next offered 1969-70.

History 174 German History, 1640-1871
Sem. I, 3 cr.
The rise of Brandenburg-Prussia from the time of the Great
Elector to the unification of Germany under Bismarck's Tegls in
1871, with the emphasis on political and cultural history.
(Lec. 3) Prerequisite: History 124 or History 131 strongly
recommended. In alternate years, next offered 1969-70.

History 212 Seminar in Nineteenth Century American History
Sem. I or II, 3 cr.
Intensive research on selected topics in the broad period between
adoption of the Constitution and World War I. (Lec. 3) Pre-
requisite: Permission of the Department.

History 213 Seminar in Twentieth Century United States History
Sem. I or II, 3 cr.
Intensive research on selected topics in United States history
since 1900. (Lec. 3) Prerequisite: Permission of the Depart-
ment. In alternate years, next offered in 1968-69.

History 221, 222 Readings and Research in European History
Sem. I or II, 3 cr.
Intensive study of selected topics in European History. With per-
mission of the Department, this course may be taken twice for
credit. Prerequisite: Graduate or senior standing; permission
of the Department.
c. Authorize a non-thesis option in the Master of Arts degree program with a major area in history.

Comment:

The Program will be consistent with the general requirements of the Graduate School as specified in the Graduate Student Manual, 1967, with the exception that 36 credit-hours of study will be required instead of the 30 hours specified in the Manual. The program will parallel that of the students electing to write a thesis, and all students will be required to write an extensive research paper. At least 50 per cent of all course work must be taken in a student's "major area," and at least two courses relevant to the "major area" must be taken outside the History Department. A four-hour written comprehensive examination on the "major area" AND a one and one-half hour oral examination on the "major area" will be required. Many of the students are teachers for whom the M. A. will be a terminal degree. It is felt that such persons will receive greater benefit from an additional twelve hours of course work than they now receive with the thesis requirement.

The Department requests that this program be made available to students who began their work this academic year, 1967-68 and to such others as the Department may admit from among those students who began their work on a part-time basis at some previous time but who have not yet undertaken a thesis problem.

6. Department of Languages

a. Delete: French 84, French Novel of the Twentieth Century

b. Renumber and change description to read:

Spanish 119 (35), The Origins of the Novel in Spain; Sem. I, 3 cr. The development of forms of prose fiction from the period of the Reconquest to Cervantes: the sentimental, picaresque and pastoral novels, the novels of chivalry, and the translations and imitations of the Greek romances of adventure. (Lec. 3) Prerequisite: 6 hours of Spanish Literature or permission of the Department. In alternate years, next offered Fall 1968.

c. Add (new):

French 87, Twentieth Century Prose Through 1950; Sem. II, 3 cr. Special emphasis on the novelists of that period. (Lec. 3) Prerequisite: French 12.

French 88, Twentieth Century Prose Since 1950; Sem. II, 3 cr. Special emphasis on the nouveau roman. (Lec. 3) Prerequisite: French 12.
French 233, Special Problems in Old French Literature  Sem. I, 3 cr.  
Detailed study of an individual author or of a particular subject in Old French literature. (Lec. 3) Prerequisite: A minimum of one semester's work in Old French and permission of the Department.

German 181, German Drama  Sem. I, 3 cr.  
The works and theories of representative German dramatists from the seventeenth century to the present. (Lec. 3) Prerequisite: German 12 or 26. In alternate years, next offered 1968-69.

German 182, German Narrative  Sem. II, 3 cr.  
Narrative prose in German literature from the eighteenth century to the present, including the novel, the Novelle, and short stories. (Lec. 3) Prerequisite: German 12 or 26. In alternate years, next offered 1968-69.

The development and technique of the novel in the works of Pushkin, Lermontov, Gogol, Goncharov, Turgenev, Tolstoy, Dostoevski, Leskov, Sologuy, Sholokoy and Pasternak. (Lec. 3) Prerequisite: Russian 4. In alternate years, next offered 1968-69.

The development of the novel among the Spanish speaking people of America beginning with Lizardi in the early nineteenth century and continuing to the contemporary existential novel of the Rio de la Plata area. (Lec. 3) Prerequisite: 6 hours of Spanish literature or permission of the Department. In alternate years, next offered Spring 1969.

Spanish 211, The Spanish Baroque  Sem. I, 3 cr.  
Study and analysis of Culturanismo, and Conceptismo in Gongora, Quevedo and Gracian. (Lec. 3) Prerequisite: graduate status or permission of the Department. In alternate years, next offered Fall 1968.

The significance of spiritual values in Spanish literature and, in particular, the phenomenon of mysticism and its literary productivity; critical study of the principal mystics and their works. (Lec. 3) Prerequisite: graduate status or permission of the Department. In alternate years, next offered Spring 1970.

Spanish 272, Spanish Essay From the Eighteenth Century to the Present  Sem. II, 3 cr.  
The progression of Spanish intellectual and spiritual thought as seen in the writings of outstanding authors from the 18th century to the contemporary period. In particular the essayists: Feijoo, Cadalso, Jovellanos, Larra, Menendez Pelayo, Giner de los Rios, Ganivet, Unamuno, Ortega Y. Gasset, Menendez Pidal and America Castro. (Lec. 3) Prerequisite: graduate status or permission of the Department. In alternate years, next offered Spring 1969.
Spanish 391, Graduate Seminar  Sem. I, 3 cr.  Introduction to scholarly research and literary criticism.  (Lec. 3)

7. Department of Military Science

a. Delete: M. S. 1, Military Science
   2, Military Science
   23, Military Science
   24, Military Science

b. Add (new):

M. S. 11, Military Science  Sem. I, 2 cr.
Basic concepts of military history; principles of war; definitions of strategy, tactics, logistics, civil-military relations. Warfare through the ages: Antiquity -- Persia to the Civil War.  (Lec. 2)

M. S. 12, Military Science  Sem. II, 2 cr.
Warfare through the Ages: Civil War through the Korean War. Civilian control. Developing a limited war capability. Counterinsurgency.  (Lec. 2) Prerequisite M. S. 11 or permission of department.

M. S. 13, Military Science  Sem. I, 2 cr.
National security and the concept of force. The bases of a nation's capacity for developing force; geographical position, nature of population,  (Lec. 2, Lab. 2) Prerequisite: None

M. S. 14, Science  Sem. II, 2 cr.
National security and the concept of force! Force as related to other types of influence, levels of military force, areas of effectiveness of these types of war, and military doctrines regarding these types of military force.  (Lec. 2, Lab. 2) Prerequisite M. S. 13 or permission of department.

c. Change course and credits to read:

Advanced courses: Application of the Principles of War, small unit tactics, leadership development, plan and execute tactical problems.  (Lec. 2, Lab. 2) Prerequisites: M. S. 11, 12, 13, 14 or permission of department.

8. Department of Physics

Techniques for the measurement and analysis of sound in fluids and solids.  (Lab. 3-6) Prerequisite: Permission of the Department.
9. Department of Political Science

Add (new):

Political Science 110, The Developing Nation-State: Problems and Prospects Sem. II, 3 cr.
An interdisciplinary seminar focusing upon the contemporary developing polity, the counter¬pressures exerted upon it and its prospects in the modern era. Prerequisite: Pol. Sci. 13, 16.

Political Science 153, Scope and Methods of Political Science Sem. I, 3 cr.
The development of Political Science as a discipline with explanation and analysis of fundamental political concepts and theories. Prerequisite: Pol. Sci. 13 and 16.

Political Science 154, Advanced Political Research Sem. II, 3 cr.
Advanced techniques of sociological and political research, with application by participation in a group research project. Prerequisites: Pol. Sci. 153 or permission of the Department.

Political Science 170, Problems and Principles in the American Political Process Sem. II, 3 cr.
Theories and problems of contemporary politics with emphasis on power and policy formulation in the American political process. Prerequisite: Pol. Sci. 13, 16.

Political Science 210, Revolutionary Change in the Modern Era Sem. II, 3 cr.
Comparative analysis of various forms of socio-political change with emphasis on causes and dynamics of revolutionary change, ideological trends, and the impact of Western and neo-Marxist thought on societies in the 20th Century.

Political Science 353, Advanced Research in Political Science Sem. II, 3 cr.
Fundamental concepts and techniques in political science with emphasis on advanced quantitative and qualitative analysis and the application of these methods to individual research projects. Prerequisite: Pol. Sci. 253 or permission of the Department.

10. Department of Psychology

a. Delete: Psychology 60, Experimental Psychology

b. Change title, description, time distribution, and credits to read:

Psychology 65, Learning Sem. II, 3 cr.
Data, methods and principles involved in the experimental evaluation of the learning process in human and infrahuman organisms. (Lec. 3) Prerequisite: Psychology 7.
c. Add (new):

Psychology 35, *Introduction to Experimental Psychology*
Sem. I, II, 3 cr.
Lectures, demonstrations and laboratory experiments designed to introduce the student to the fundamental principles of experimental techniques applied in psychological research. (Lec. 2, Lab. 2)
Prerequisite: Psychology 7.

Psychology 66, *Laboratory in Learning*
Sem. II, 1 cr.
Laboratory experiments in learning designed to parallel course material in Psychology 65. (Lab. 2) Prerequisite: Psychology 35 or permission of the Department.

Psychology 99, *Honors Seminar*
Sem. I, 3 cr.
Survey of recent advances in major divisions of psychology with emphasis on the integration of the various content areas in terms of theoretical positions and approaches. (Lec. 3) Prerequisite: Senior majors, permission of the Department, 3.0 GPA. (Others may audit)

Psychology 110, *Intermediate Quantitative Methods in Psychology*
Sem. I, II, 3 cr.
Utilization of quantitative procedures in studying psychological problems. Study of application of such techniques as one-way analysis of variance, topics in regression, correlation and non-parametrics. (Lec. 3) Prerequisite: Psychology 10 and permission of the Department.

Psychology 170, *Contemporary Problems for Modern Psychology*
Sem. II, 3 cr.
Topics chosen by lecturers which have emerged as central issues in the field of psychology. Topics will be jointly analyzed by instructors representing divergent viewpoints. Exploration of experimental and theoretical literature. Prerequisite: Psychology 7 and Permission of the Department.

d. Change the requirements for the undergraduate major to read as follows:

Students selecting this field of concentration must complete a minimum of 27 hours to be distributed as follows:

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<tr>
<td>Psychology 7, General Psychology</td>
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<tr>
<td>Psychology 10, Quantitative Methods in Psychology</td>
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<tr>
<td>Psychology 35, Introduction to Experimental Psychology</td>
<td>3</td>
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<tr>
<td>Psychology 71, History and Systems of Psychology</td>
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Two courses selected from those numbered 65, 70, 105, 110, 120.

Remaining credits selected from any Psychology course except those numbered under 10 or over 190.
The changes involve:

1. A reduction in minimum credits from 28 to 27. (The course in experimental has been reduced by 1 credit)

2. The substitution of Psychology 35 for Psychology 60

3. The requirement that students take at least two courses from those numbered 65, 70, 105, 110, and 120.

11. Department of Theatre

a. Delete: Theatre 92, Scene Design

b. Define theatre practice courses as:

Theatre 90 to 99, Theatre Practice
Production and performance training in various areas of dramatic arts. May be elected concurrently with related theatre courses, or independently. See course descriptions for maximum number of credits which may be elected in each.

Theatre 90, Introduction to Acting Sem. I & II, 1 or 2 cr.
A course primarily for freshmen and non-theatre majors, designed to provide a foundation for future work in acting. (Studio 2-4) Prerequisite: Permission of Department. (Max. 6 credits)

Theatre 91, Introduction to Directing Sem. I & II, 1 or 2 cr.
A course for the student with no directing training. Students will work closely with advanced student directors and with staff directors in University Theatre productions. (Studio 2-4) Prerequisite: Sophomore standing and permission of the Department. (Max. 2 credits)

Theatre 93, Scene Construction Sem. I & II, 1 or 2 cr.
Advanced practice in stage carpentry. Individual projects for studio theatre productions. (Studio 2-4) Prerequisite: Permission of the Department. (Max. 6 credits)

Theatre 94, Stage Lighting Sem. I & II, 1 or 2 cr.
Practical experience in crew work for studio and major productions. (Studio 2-4) Prerequisite: Permission of the Department. (Max. 6 credits)

Theatre 95, Stage Management Sem. I & II, 1 or 2 cr.
Principles of stage management. Practical experience in stage managing for the studio theatre and assistant stage managing for major productions. (Studio 2-4) Prerequisites: Sophomore standing and permission of the Department. (Max. 2 credits)

Theatre 96, Costuming Sem. I & II, 1 or 2 cr.
Principles of costume construction. Practical experience in building costumes for studio and major productions. (Studio 2-4) Prerequisite: Permission of the Department. (Max. 4 credits)
Theatre 97, Makeup
Principles and techniques of stage makeup. Practical experience in the studio and crew work for studio and major productions. (Studio 1-2) Prerequisite: Permission of the Department. (Max. 4 credits)

Theatre 98, Special Effects, Sound, Properties
Practical experience in designing sound patterns, scenic effects, and properties. Individual projects for studio and major productions. (Studio 2-4) Prerequisites: Permission of the Department. (Max. 6 credits)

Theatre 99, Theatre Management
Practical experience in publicity, promotion, and box office management. (Studio 2-4) Prerequisite: Permission of the Department. (Max. 6 credits)

Theatre 190 to 196, Advanced Theatre Practice
A total of 9 credits may be elected, limited to no more than 3 credits in any one area per semester.

Theatre 190, Advanced Acting
Special projects for the advanced student capable of stage involvement, character development, stage discipline. Assigned projects to meet specific acting problems; supervision by staff and/or advanced student directors. (Studio 2-6) Prerequisite: Theatre 13 and 14 or equivalent, junior standing, and permission of the Department.

Theatre 191, Advanced Directing Practice
Special projects for the advanced directing student. Student directors will assume complete production responsibilities for all aspects of their projects, including a critical analysis upon completion. (Studio 2-6) Prerequisites: Theatre 121 or equivalent, junior standing, and permission of the Department.

Theatre 192, Advanced Scene Design
Individual projects on designing scenery for studio and major productions. (Studio 2-6) Prerequisites: Theatre 41, Theatre 142, and permission of the Department.

Theatre 194, Advanced Stage Lighting
Individual projects in lighting design and control for studio and major productions. (Studio 2-6) Prerequisites: Theatre 145 and permission of the Department.

Theatre 195, Advanced Stage Management
Individual projects of stage management in at least one major production. (Studio 2-6) Prerequisites: Theatre 12, Theatre 95, and permission of the Department.
Theatre 196, Advanced Costuming
Sem. I & II, 1-3 cr.
Individual projects in costume design for studio or major productions. Styles and theory related to projects; costume sketches and construction. (Studio 2-6) Prerequisites: Theatre 96 and permission of the Department.

c. Change time distribution to read:

   Theatre 13, Acting, (Studio 6)
   14, Advanced Acting, (Studio 6)
   121, Directing, (Lec. 3)

d. Add (new):

   Theatre 2, Fundamentals of Theatre Practice
   Sem. II, 3 cr.
   A general course designed to introduce the potential secondary school teacher of dramatics and those expecting to work in community theatre to the problems of theatrical production, play selection, stagecraft, scene design, and lighting; and such as theatre management of the non-professional theatre. (Lec. 3)
   Prerequisite: Permission of the Department. May not be used for credits toward a major in Theatre.

   Theatre 122, Advanced Directing
   Sem. II, 3 cr.
   A continuation of Theatre 121 with emphasis on particular problems of the director in the rehearsal and production situation. (Lec. 2, Studio 2) Prerequisite: Theatre 121.

12. Department of Zoology

   a. Delete: Biol. 172 (Zool. 172), Evolution
      Zool. 268, Physiological Ecology

   b. Renumber to read:

      Zool. 212 (112), Fine Structure of the Animal Cell
      218 (118), Experimental Embryology
      221 (121), Principles of Taxonomy
      263 (164), Ichthyology
      265 (165), Limnology
      267 (167), Animal Behavior
      277 (177), Human Genetics
      370-375 (270-275), Advanced Ecology Seminars
      393, 394 (293, 294), Zoological Problems

   c. Change credits to read:

      Zool. 195, 196, Seminar in Zoology
      291, 292, Assigned Work
      393, 394 (293, 294), Zoological Problems

   d. Add (new):

      Zoology 276 Ecological Genetics
      Sem. II, 3 cr.
      An analysis of the interactions between genotype and environment in natural and laboratory populations of animals, including
selection and other mechanisms responsible for gene frequency change, the evolution of dominance, heterosis and speciation. (Lec. 3; Lab. 3) Prerequisites: Botany 52 or Genetics 1 or permission of the Department.

Zoology 279, Advanced Genetics Seminar Sem. 1, 3 cr.
Current topics in genetics; such as quantitative, population, ecological, cytological, radiation, physiological and molecular genetics. (Lec. 3) In alternate years, next offered 1968-69. Prerequisite: Botany 52 or Genetics 1, or equivalent and permission of the Department.

Zoology 348, 349, Seminar in Environmental Physiology Sem. I & II, 2 cr. ea.
Reading, library research, special lectures on topics of current research interest in environmental physiology. Prerequisite: one year of physiology, and at least one course in ecology or permission of the Department.

Zoology 364, Seminar in Ichthyology Sem. II, 2 cr.
Reading, library research, reports and class discussion on problems of current research interest in the biology of fishes. Prerequisite: Zoology 263 or permission of the Department. In alternate years, next offered 1969-70.

Zoology 366, Physiological Ecology Sem. II, 3 cr.
Comparative study of physiological adjustments which animals make in response to environmental factors, with emphasis on the physiological basis of animal distribution and evolution (Lec. 3) Prerequisite: one year of physiology and a course in ecology.

Zoology 368, Laboratory in Physiological Ecology Sem. II, 3 cr.
Application of laboratory techniques to research problems in physiological ecology, such as energetics, gas exchange, thermoregulation and temperature tolerance, salt and water balance, and acclimatization to various environmental factors. Assigned research project on advanced level. (Lab. 9) Prerequisite: Zoology 366 (may be taken concurrently with Zoology 366), and permission of the Department.

C. From the COLLEGE OF BUSINESS ADMINISTRATION

1. Department of Accounting
   a. Renumber and change description to read:
      A critical examination of accounting theory and practice designed to develop research techniques, survey of current periodical literature, books and recent decisions of courts and regulatory bodies. (Lec. 3)
b. Add (new):

Acctg. 71, 72, Directed Study in Accounting  Sem. I & II 3 cr. ea.
Independent study supervised by department faculty for students eligible for the University Honors Program. Prerequisite: Permission of department.

D. From the COLLEGE OF HOME ECONOMICS

1. Department of Child Development and Family Relations

Add (new):

C. F. 101 Field Experience with Exceptional Children  SS, 3 cr.
Interdisciplinary seminar and laboratory with observation and supervised projects with exceptional children. Behavior modification and psychological, physical, and social factors pertinent to remediation in Child Development Centers. Prerequisite, C. F. 39, or equivalent, and permission of the Department.

C. F. 124 Family Life Education  Sem. II, 3 cr.
Interdisciplinary consideration of relationships between the sexes during childhood and adolescence, including the following topics of interest to school personnel: family health, normal psychosexual development, marriage, ethics, sex education, teaching of family relations. Prerequisite, permission of the department.

E. From the COLLEGE OF PHARMACY

1. Department of Pharmacy

a. Delete: Pharm. 11, 12, Introduction to Pharmacy
          55, 56, The Professional Practice of Pharmacy

b. Add (new):

Pharm. 43, 44, Physical Pharmacy  Sem. I & II, 3 cr. ea.
Physico-chemical principles and laws as they apply to pharmaceutical systems: equilibria, solubility phenomena, particle size technology, rheology, stability testing. (Lec. 3) Prerequisite: Pharmacy 34.

Pharmacy 53, 54, Dispensing Pharmacy  Sem. I & II, 3 cr. ea.
Problems in preparing and dispensing pharmaceuticals, applying principles of pharmacognosy, pharmaceutical chemistry and pharmacology. Practical application of laws and regulations, formulation techniques, prescription specialties and drug information. (Lec. 2, Lab. 6) Prerequisite: Pharmacy 44.

2. Department of Pharmaceutical Chemistry

a. Delete: P'Chem. 48, Drug Assay
          333, Physical Methods of Identification
b. Add (new):

P'Chem 39, Pharmaceutical Analysis  
Principles of quantitative and qualitative assays of drugs, employing physical, chemical and biological methods and techniques. (Lec. 3, Lab. 6) Prerequisite: Third year standing and permission of department.

P'Chem 247, 248 (P'Cog 247, 248), Physical Methods of Identification  
Interpretation of physical measurements for the identification and structure elucidation of organic medicinal products, including ultraviolet, infrared, mass, nuclear magnetic resonance and optical rotatory dispersion spectra. Certain chromatographic techniques will also be covered. (Lec. 3). Prerequisites: Chemistry 125 and/or permission of instructor. In alternate years, next offered 1968-69.

3. Department of Pharmacology

Add (new):

P'Col. 262, Psychopharmacology  
The effects of drugs on animal and human behavior and on related biochemical processes. (Lec. 3) Prerequisite: Pharmacology 141 and Psychology 250, or equivalent of each, and/or permission of Department. Alternate years, next offered 1968-69.

P'Col. 264, Psychopharmacology Laboratory  
Laboratory exercises to demonstrate effects of drugs on animal and human behavior. To earn more than one credit, the student will engage in original work of limited scope. (Lab. 3-9) Prerequisite: Pharmacology 141 and Psychology 250, or equivalent of each and/or permission of Department.

4. Department of Pharmacognosy


5. Department of Pharmacy Administration

Change credits to read:  P'Ad. 51, Pharmaceutical Law and Ethics 3 cr.  
52, Management and Merchandising 3 cr.

6. Revise the undergraduate curriculum leading to the degree of Bachelor of Science in Pharmacy to read:

**FRESHMAN YEAR**

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