

1973

# FACULTY SENATE CURRICULAR AFFAIRS COMMITTEE EIGHTY-FIRST REPORT, Section I and II

University of Rhode Island Faculty Senate

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RECEIVED

MAY 22 1973

UNIVERSITY OF RHODE ISLAND  
FACULTY SENATE

Serial Number 72-73--47  
UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate

RECEIVED  
UNIVERSITY OF R. I.  
MAY 21 1973  
OFFICE OF THE PRESIDENT

TO: President Werner A. Baum  
FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled FACULTY SENATE CURRICULAR AFFAIRS COMMITTEE  
EIGHTY-FIRST REPORT, Section I and II

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 73-5-17  
(date)
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Regents, 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 73-6-7 (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 Regents for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Regents, it will not become effective until approved by the Board.

May 18, 1973  
(date)

Stephen B. Wood /s/  
Chairman of the Faculty Senate  
Stephen B. Wood

ENDORSEMENT 1.

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

1. Returned.
2. Approved ✓. Disapproved \_\_\_\_\_.
3. (If approved) In my opinion, transmittal to the Board of Regents is not necessary.

5/22/73  
(date)

Werner A. Baum /s/  
President

(OVER)

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents.

FROM: The University President

1. Forwarded.

2. Approved.

\_\_\_\_\_/s/  
(date) President

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ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

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

1. Forwarded.

\_\_\_\_\_/s/  
(date) \_\_\_\_\_  
(Office)

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ENDORSEMENT 3.

TO: Chairman of the Faculty Senate

FROM: The University President

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

\_\_\_\_\_/s/  
(date) President

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

\_\_\_\_\_/s/  
(date) Chairman of the Faculty Senate

UNIVERSITY OF RHODE ISLAND  
Kingston, Rhode Island

Faculty Senate Curricular Affairs Committee Eighty-first Report.

At its meeting of 73-5-4 the Faculty Senate Curricular Affairs Committee considered the following matters which are now submitted to the Faculty Senate.

S E C T I O N I

Informational changes (including Experimental Courses):

A. College of Arts and Sciences

1. Department of Languages

(a) Separate catalog listing for GER 391 and 392

GER 391 Masterpieces of German Literature I, 3  
Literary works from the Middle Ages through 1800 in English translation. (Lec. 3) May not be used toward a concentration in German. In alternate years, next offered 1974-75. Kalinke

GER 392 Masterpieces of German Literature II, 3  
Literary works from 1800 to the present in English translation. (Lec. 3) May not be used toward a concentration in German. Staff

Change in the description of the Concentration in German, Catalog, p.42.

Change: GER 205, 206 or equivalent is prerequisite to the courses on the 400 level to "GER 205, 206 or equivalent is prerequisite to the courses on the 400 level with the exception of GER 485, 486 which have a prerequisite of one semester of German at the 300 level."

(b) Experimental course:

ITL 393X Contemporary Italian Fiction SS, 3  
The most significant Italian novelists of the twentieth century will be studied against their historical and social background. Svevo, Moravia, Calvino, Vittorini, Paufse, Pratolini and others will be read in English translation. Lectures and discussions will focus both on the techniques and themes Italian fiction shares with the rest of the European novel and on issues which are particular to Italy. Readings and Reports. Not for credit in Italian concentration elective. Triuelli

(c) Delete: LIN 409, 410 may be used for concentration credit.

(d) Changes in title and catalog description of courses in Russian:

101, 102 Elementary Russian I and II, 3 each

Introduction to fundamentals of grammar with exercises in speaking, reading and writing. Emphasis on pronunciation, intonation and



aural comprehension of contemporary spoken Russian. Language laboratory required. (Lec. 3) Staff

103, 104 Intermediate Russian I and II, 3 each  
Completion of fundamentals of grammar; exercises in speaking, reading and writing of contemporary texts; emphasis on distinction between spoken and written language. Language laboratory required. (Lec. 3) Prerequisite: RUS 102 or equivalent. Aronian

205, 206 Advanced Russian I and II, 3 each  
Emphasis on oral reports, written compositions and classroom discussion based on readings in Russian history and culture, literature, and current Soviet affairs. Individual listening projects in language laboratory. (Lec. 3) Prerequisite: RUS 104 or equivalent. Aronian.

325, 326 Introduction to Literary Studies in Russian I and II, 3 each  
Russian and Western literary criticism applied to selected Russian literary works in various genres. Individual listening projects in language laboratory emphasizing poetry and drama. (Lec. 3)  
Prerequisite: Prior or concurrent registration in RUS 205, 206.  
In alternate years, next offered 1974-75. Aronian

391, 392 Masterpieces of Russian Literature I and II, 3 each  
Prose, Poetry and drama from the late eighteenth through twentieth century in translation. Emphasis on literary movements through textual analysis. Authors studied range from Pushkin to Pasternak, including Dostoevsky and Tolstoy. C. Driver

460, 461 The Russian Novel I and II, 3 each  
Emphasis on major developments in themes and techniques as well as significant shifts of mode. Consideration of influences on the emergence of the novel in Russian. Laboratory work required. (Lec. 3) Prerequisite: Prior or concurrent registration in RUS 205, 206. In alternate years, next offered 1973-74. Aronian

901, 902 Reading Course in Russian for Graduate Students I and II, 0 each  
RUS 901: Fundamentals of grammar and syntax necessary to develop reading knowledge. Assumes no prior knowledge of Russian. RUS 902: Exercises in translating scholarly and scientific texts.

2. Department of Computer Science

CHANGE in prerequisites:

(a) EST 412: from EST 411 to EST 408 or 409

3. Department of Mathematics

(a) Informational changes in prerequisites:

MTH 418 from MTH 215 or permission of instructor to MTH 215 or 362 or permission of instructor.

MTH 441 from MTH 244 to MTH 244 or 361

MTH 442 from MTH 244 or equivalent to MTH 244 or 361 or 362.

MTH 444 from MTH 244 and permission of instructor to MTH 244 or 361 or 362.

MTH 461 from MTH 244 to MTH 244 or 361 or 362.

MTH 472 from MTH 244 to MTH 244 or 361 or 362.

4. Department of Music

- (a) Informational changes under "Music Education," page 47 of the 1972-73 Catalog:

Change: 391 Orchestra, 392 Marching Band, 393 Chorus, or  
394 Wind Ensemble 8 cr.

to read

391 Orchestra, 392 Marching Band, or 394 Wind Ensemble  
(for instrumentalists); 393 Chorus or 395 Concert Choir  
(for vocalists, pianists and organists)

B. College of Engineering

1. Department of Chemical Engineering

Mini-Courses:

- 1) EGR 119X X-ray Applications 1, 1  
An introduction to the powerful analytical tools of x-ray diffraction and fluorescence. Basic theory, instrumentation and limitations of different methods. The identification of unknown materials by the powder diffraction file. (Does not include laboratory experiments). Prerequisite: High School Chemistry and Physics. Mohrnhelm
- 2) EGR 120X Nuclear Power Plants 1, 1  
An introduction to nuclear power plants. Discussion of environmental problems related to site choice. Other topics will include safety, radiation hazards, and thermal pollution. Future proposals for nuclear power will be considered. Prerequisite: High School Physics. Knickle
- 3) EGR 121X Bioengineering 1, 1  
A survey of the contributions of engineering to modern medicine. Topics covered include orthopedic and dental materials, cardiovascular materials, artificial kidneys, blood oxygenators, blood flow, drug encapsulants, and heart assist devices. Prerequisite: High School Science. Barnett and Rockett

## 2. Department of Civil and Environmental Engineering

## (a) Informational changes:

CVE 478 Solid Waste Disposal and Management  
Change semester to II

CVE 481 Soil Behavior  
Prerequisite: CVE 380 or permission of instructor

CVE 483 Foundation Engineering  
Prerequisite: CVE 380

## C. College of Home Economics

## 1. Department of Textiles, Clothing and Related Arts

## (a) Addition of experimental courses:

- 1) TXC 248X Fabric Motif Development 1, 3  
 Experimentation in motif development designed for surface application to textile products with emphasis on end-use of fabrics, design and specified methods of reproduction. No Prerequisite. (Lec. 1 Lab. 2) Gilbert
- 2) TXC 258X Experimental Weaving 1, 1  
 Introduction to various types of hand weaving based on intensive laboratory experience in experimental techniques of weaving and structural design development in hand-woven fabric formation. Prerequisite: none. Enrollment limited to 10 students. Gilbert
- 3) TXC 422X Retail Experience I and II, 3  
 Opportunity to gain knowledge in retailing of textile and apparel items through supervised field experience and seminars. Seminars concerned with aspects of retailing related to organizations where employed. Prerequisite: TXC 322 or permission of instructor (Seminar and Lab arranged) Staff

## SECTION II

Curricular matters submitted to the Faculty Senate for confirmation

## A. College of Arts and Sciences

## 1. Department of Botany

- (a) ADD: BOT 311 Plant Anatomy 1, 3  
 Structure of vascular plant tissues and organs as it relates to their function. Variations in anatomy, phylogeny of vascular tissue, anatomy of fossils, and the relation of structure to economic value. (Lec. 1, Lab 4) Prerequisite: BOT 111 or BIO 101. Hanke

DELETE: BOT 411 Plant Anatomy 1, 3

2. Department of Computer Sciences

- (a) ADD: EST 408 (411) Statistical Methods in Research I I and II, 3  
 Descriptive statistics, presentation of data, averages, measures of variation, skewness, kurtosis. Elementary probability, binomial and normal distributions. Sampling distributions. Statistical inference, estimation, confidence intervals, testing hypotheses. Linear regression and simple correlations.  
 (Lec 3) Prerequisite: MTH 109 Staff

ADD: EST 409 (411) Statistical Methods in Research I 1, 3

Same as EST 408 but for students who have better mathematical preparation. Prerequisite: MTH 142 Staff

DELETE: EST 411 Statistical Methods in Research I 1, 3

3. Department of Geology

Increase in credit from 3 to 4 and change in contact hour distribution from (Lec. 2, Lab. 3) to (Lec. 3, Lab. 2) for GEL 410, 420, 421, 430, 440, 450 and 470.

Raise the number of required credits in Geology from 27 to 30 for the B.A. degree in Geology.

The revised statement on page 41 of the Bulletin will read in part:

Students selecting this field of concentration must complete a minimum of 30 credits in geology, including:

103 Physical Geology	3
104 Historical Geology	3
105, 106 (ESC 105, 106) may not be included.	

The remainder of the statement is unchanged.

Revise the B.S. degree in Geology by:

- 1) Increasing required credits in geology courses to 38.
- 2) Increasing total credits required for the degree from 122 to 126.
- 3) Drop MTH 109 from the sequence of courses required in mathematics.

The revised statement of the B.S. degree in Geology on page 42 of the Bulletin will read, after the first three paragraphs which remain unchanged, as follows:

Freshman Year:First Semester

MTH 141	Introductory Calculus with Analytic Geometry	3
GEL 103	Physical Geology	3
BOT 101	General Botany	4-3
	or	
BIO 101	General Biology	
	General education requirements	6
		<u>16-15</u>

Second Semester

MTH 142	Intermediate Calculus with Analytic Geometry	3
GEL 104	Historical Geology	3
ZOO 111	General Zoology	
	or	
BIO 102	General Biology	4-3
ESC 104	Geographical Earth Science	4
	General Education Requirements	3
		<u>17-16</u>

Sophomore YearFirst Semester

CHM 101, 102	General Chemistry	
	or	
CHM 103, 105	General Chemistry	4
PHY 213, 285	Elementary Physics	
	or	
PHY 111	General Physics	4
Required	400-level geology course(s)	4-8
	General education requirements	3-0
		<u>15-16</u>

Second Semester

CHM 112, 114	General Chemistry	4
PHY 214, 286	Elementary Physics	
	or	
PHY 112	General Physics	4
Elective or required	400-level geology course	3-4
General education requirements		6
		<u>17-18</u>

Junior and Senior Years

In addition to the remainder of the general education requirements and free electives, the following geology courses are required (if not taken in Sophomore year):

410	Geomorphology	4
420	Mineralogy	4
421	Optical Mineralogy	4
430	Petrology	4
440	Introduction to Paleontology	4
450	Introduction to Stratigraphy and Sedimentation	4
470	Structural Geology	4
Approved	summer camp (between junior and senior years)	4

Students must also take an approved course in statistical methods of computer science and 12 credits of science electives which constitute an integrated group in earth science. These are selected in consultation with the faculty adviser.

Total credits required: 126

#### 4. Department of History

Reduction in level of the following courses:

- 1) HIS 314 (414) Seventeenth and Eighteenth Century European Cultural History
- 2) HIS 315 (415) Nineteenth and Twentieth Century European Cultural History
- 3) HIS 316 (416) History of Science to 1700
- 4) HIS 317 (417) History of Science since 1700
- 5) HIS 318 (418) Diplomatic History of Europe since 1815
- 6) HIS 321 (401) History of England: 1485-1660
- 7) HIS 322 (402) History of England: 1660-1815
- 8) HIS 323 (403) History of England: 1815-1896
- 9) HIS 324 (404) History of England since 1896
- 10) HIS 327 (427) German History since 1871
- 11) HIS 330 (430) History of France since 1815
- 12) HIS 333 (433) History of Soviet Union
- 13) HIS 335 (435) American Colonial History to 1763
- 14) HIS 336 (436) The American Revolution and Confederation, 1763-1789
- 15) HIS 337 (437) The United States during the Early National, 1789-1850
- 16) HIS 339 (439) Emergence of Industrial America, 1877-1917
- 17) HIS 340 (440) United States History from 1917 to 1945
- 18) HIS 341 (441) United States History since 1945
- 19) HIS 342 (442) Social and Intellectual History of the United States to 1865
- 20) HIS 343 (443) Social and Intellectual History of the United States, 1865 to the present.
- 21) HIS 345 (445) History of the Negro People
- 22) HIS 348 (448) American Social Reform
- 23) HIS 350 (450) Constitutional History of the United States
- 24) HIS 353 (453) Diplomatic History of the United States to 1914
- 25) HIS 354 (454) Diplomatic History of the United States since 1914
- 26) HIS 357 (457) History of Religion in the United States
- 27) HIS 362 (462) History of Rhode Island
- 28) HIS 365 (465) Civil War in America
- 29) HIS 366 (466) Reconstruction in America
- 30) HIS 377 (477) Southwest Asia and North Africa since 1683
- 31) HIS 379 (479) Imperialism and Its Impact upon Colonized Peoples
- 32) HIS 381 (481) History of Colonial Latin America
- 33) HIS 382 (482) History of Modern Latin America
- 34) HIS 383 (483) History of Modern Mexico
- 35) HIS 388 (488) History of Sub-Saharan Africa



ADD:\*HIS 103 Special Topics in Western Civilization I and II, 3  
 A topical approach to, rather than a survey of, Western  
 Civilization. Topics vary from semester to semester.  
 (Lec. 3) Staff

\*HIS 143 Special Topics in the History of America I and II, 3  
 A topical approach to, rather than a survey of, American History.  
 Topics vary from semester to semester. (Lec. 3) Staff

\*Approval by the Curricular Affairs Committee was conditional upon  
 provision being made by the History Department for subtitles (specific  
 topics) to be listed in the Catalog.

## 5. Department of Languages

Revision of the Distribution Requirements for the College of Arts and  
 Sciences on page 30 of the Catalog for Division A under language by the  
 addition of 111 and 112.

The revised statement in Division A under Language will read:

Language: Any course for which the prerequisites have been met,  
 except 101, 102, 111 and 112.

Addition of B.A. concentration in classical studies.

Classical studies will be listed in the Catalog under the general  
 heading, "Bachelor of Arts Curriculum", (page 28) and would appear  
 in the list of "Concentration" (page 29). The description of this  
 particular concentration would be as follows:

### Classical Studies

Students selecting this field of concentration complete at least  
 30 credits in Greek and Latin, which may not include more than  
 6 credits in Classics (in translation). Only one of the Greek  
 101, 102 and Latin 101, 102 sequences may count towards the concentration.  
 A minimum of 12 credits in Latin at the 300-level or above. As more  
 advanced Greek courses are added the student may select courses from  
 either Greek or Latin at the 300-level.

ADD: FRN 111, 112 Intensive French I, II I and II, 5 each  
 Intensive grounding in the fundamentals of French grammar and pronun-  
 ciation. Students who have had any previous experience with the  
 language may not take FRN 111. (Lec. 5) May not be taken concurrently  
with FRN 101, 102. Staff

FRN 113 Intensive French II I and II, 4 each  
 Grammar review, further exercise in conversation and reading of easy  
 texts. (Lec. 4) Prerequisite: FRN 112 or two or more years of high  
school French or permission of instructor.\* May not be taken con-  
currently with FRN 103, 104. Staff

FRN 114 Intensive French IV I and II, 4 each  
 Development of facility in reading texts of moderate difficulty,  
 with continued practice in writing and speaking. (Lec. 4)  
Prerequisite: FRN 113 or two or more years of highschool French  
or permission of instructor.\* May not be taken concurrently  
with FRN 103, 104. Staff

\*Students entering from high school should consult the Department  
 of Languages for proper placement. For FRN 113, CEEB scores should  
 be between 485 and 515, for FRN 114, scores should be between  
 550 and 600

ADD: GER 305 Advanced Conversation I, 3  
 Intensive practice in spoken German based upon matters of current  
 interest in the German-speaking countries. (Lec. 3) Prerequisite:  
GER 206 or equivalent. In alternate years, next offered 1973-74.  
 Kalinke

GER 306 Advanced Composition II, 3  
 Training in various forms of writing by means of frequent compositions  
 and critiques (Lec. 3) Prerequisite: GER 206 or equivalent. In  
alternate years, next offered 1973-74. Kalinke

GER 393 Topics in German Literature I or II, 3  
 Selected topics in German literature in English translation. (Lec. 3)  
May not be used toward a concentration in German. Staff  
Fall 1973: Hesse, Kafka, Mann Grandin

GER 485, 486

1. Proposed catalog listing:

485,486 Special Studies I and II, 3 each

Special topics in German literature not emphasized in other  
 courses in the Department. (Lec. 3) Prerequisite: 1 semester of  
German at the 300-level or permission of Department. In alternate  
years, next offered 1974-75. Staff

I. Recent History as Reflected in German Literature. B.A. Woods  
 II. The Problem of Evil in German Literature. Kalinke

DELETE:

GER 481 German Lyric

GER 482 German Drama

GER 483 German Narrative

ADD: LIN 497, 498 Directed Study I and II, 3 each  
 Individual research and reports on problems of special interest.  
Prerequisite: LIN 409 and acceptance of a project by a member of  
the staff and departmental approval. Staff

ADD: RUS 497, 498 Directed Study I and II, 3 each  
 Designed particularly for the advanced student. Individual research  
 and reports on problems of special interest. Prerequisite: acceptance  
of a project by a member of the staff and departmental approval. Staff



Addition of a B.A. Concentration in Russian

Students selecting this field of concentration must complete a minimum of 30 credits in Russian not including RUS 101, 102.

## 6. Department of Mathematics

ADD: MTH 361 Mathematics Methods for Scientists and Engineers 1 or 11, 3 each  
Introduction to differential equations and difference equations including Laplace transform and Z-transform. Functions of several variables, Lagrange multipliers, calculus of variations. (Lec. 3) Prerequisite: MTH 243. Staff

MTH 362 Linear and Complex Analysis for Scientists and Engineers 1, 3  
Linear spaces and matrices with applications to linear systems of equations, differential systems, and quadratic forms. Complex and analytic functions, integral theorems, and power series. (Lec. 3) Prerequisite: MTH 243. Not to be taken for major credit in mathematics. Staff

## 7. Department of Microbiology

ADD: MIC 401 Advanced Bacteriology 1, 4  
Advanced treatment of growth, cytology, physiology, genetics and classification of bacteria. (Lec. 3 Lab. 3) Prerequisite: MIC 201, BCH 311, or permission of instructor. Shivvers

MTC 301 Medical Technology Seminar 1, 1  
Lectures, discussions, and demonstrations designed to relate college course work to that of the hospital laboratory. (Lec. 1) Prerequisite: Junior standing and permission of the instructor. Houston

DELETE: MTC 101, 102 Seminar 1 cr. ea.  
MTC 201, 202 Seminar 1 cr. ea.

CHANGE credits from 3 to 4 and credit distribution from (Lab. 6) to (Lec. 2, Lab. 4) in MIC 621 Systematic Biology.

CHANGE in B.S. in Medical Technology as follows:

- 1) Omit the requirement for the Medical Technology seminars during the freshman and sophomore years.
- 2) Add a second semester of mathematics. The requirement would be for the 109-141 or 141-142 sequence. (The two courses taken will depend on the high school preparation of the student.
- 3) Add proficiency in a modern language equivalent to Language 104.
- 4) Add MTC 301 (Seminar) to the first semester of the Junior year.

The program of courses on page 44 of the Bulletin is to be modified to read:

MEDICAL TECHNOLOGY CURRICULUM

<u>Freshman Year</u>	
<u>First Semester</u>	<u>Second Semester</u>
CHM 101, 102 General Chemistry or CHM 103, 105 General Chemistry	CHM 112, 114 General Chemistry
BOT 111 General Botany or ZOO 111 General Zoology	ZOO 111 General Zoology or BOT 111 General Botany
MTH 109 Algebra and Trigonometry or MTH 141 Introductory Calculus with Analytical Geometry	MTH 141 Introductory Calculus with Analytical Geometry or MTH 142 Intermediate Calculus with Analytical Geometry
General Education Requirement	General Education Requirement Language* or free elective
4 4 3 3	4 4 3 3 3
<u>3</u> 14	<u>3</u> 17

<u>Sophomore Year</u>	
<u>First Semester</u>	<u>Second Semester</u>
CHM 227 Organic Chemistry	CHM 226 Organic Chemistry Lab. I and II
PHY 111 General Physics	CHM 228 Organic Chemistry
General Education Requirements	PHY 112 General Physics
	General Education Requirements
	Free elective
3 4 9 16	2 3 4 6 3 18

<u>Junior Year</u>	
<u>First Semester</u>	<u>Second Semester</u>
MIC 201 General Microbiology	MIC 432 Pathogenic Bacteriology
CHM 212 Quantitative Analysis	Biology elective
MTC 301 Medical Technology seminar	Free electives
General Education Requirements	
Free elective	
4 4 1 6 3 18	3 3 9 15

Senior Year

The hospital clinical program provides 32 credits.

Total credits required: 130

\*Students are required to complete a modern language at the intermediate level (104) or demonstrate equivalent proficiency by examination.

\*\*This curriculum was approved contingent upon course number(s), credits and description(s) to account for Senior Year credits.

8. Department of Music

ADD: MUS 499 Pedagogy of String Instruments and Performance of String Literature S.S. 4  
 Exploration and implementation of successful methods of teaching orchestral string instruments combined with concentrated rehearsals and performance of classic and contemporary literature for strings. Admission: Audition by tape or by appointment. Degree of achievement open, but some college-level experience in string performance expected. Buck

MUS 218 Composing and Arranging for Jazz Ensemble 11, 3  
 A study of modern and traditional jazz arranging and compositional techniques, with emphasis on soli and concerted ensemble writing, voicing techniques and the mechanics of line writing, with the study of the unique composing styles of recognized jazz composers. (Lec. 3) Prerequisite: MUS 215 Staff

MUS 389 Stage Band Workshop SS. 1  
 Intended for students at various levels of instrumental advancement, this workshop will cover stage band organization, reading of standard literature, interpretation, problems of instrumentation and arranging, improvisation and performance. Prerequisite: permission of instructor. Geissel

9. Department of Psychology

ADD: PSY 482 Psychobiology 11, 3  
 An examination of "mind" stressing contemporary physiological theories and experimental approaches. Topics include consciousness, sleep, dreaming, mind-altering drugs, drive, emotion, thought, attention, mind control and transcendental meditation. (Lec. 3) Prerequisite: PSY 381 or permission of instructor. Alternate years. Swonger

10. Department of Speech

ADD: SPE 417 Speech in the Elementary School I and 11, 3  
 Analysis of the role of the classroom teacher in the identification, referral, and remediation of speech handicapped. Examination of teacher responsibilities in supplementing special education procedures for the orally handicapped. (Lec. 3) Prerequisite: Permission of instructor. Grzebien

SPE 471 Internship in Speech Communication I or 11, 3  
 Course provides the student with direct supervised participation in a variety of speech communication situations and occupations. (Lec. 1 Lab. 4) Prerequisite: 18 credits in speech and departmental approval. Staff

ADD: SPE 391, 392 Honors Work I and II, 1-3 each  
 Thesis work or an equivalent independent project under faculty supervision for honors students participating in the University Honors Program. Prerequisite: Admission to the departmental honors program. Staff

11. Department of Zoology

ADD and cross-list:

MCE 427 (or Z00427) Modeling and Analysis of Dynamic Systems I, 3  
 Modeling and analysis of complex dynamic systems with emphasis on feedback characteristics, modeling techniques and computer simulation. Examples drawn from engineering, ecological, biological and economic systems. Prerequisite: MTH 142 and elementary computer programming. Palm

B. College of Business Administration

1. Department of Finance and Insurance and Department of Organizational Management and Industrial Relations

Transfer OMR 306 from Organizational Management and Industrial Relations to FIN 303 in the Department of Finance and Insurance.

2. Department of Marketing Management

Delete MGS 363 and add and professional elective for 3 credits.

C. College of Engineering

1. Department of Chemical Engineering

Change in course and credit hours:

464 Industrial Reaction Kinetics I, 3  
 Modelling of simple chemical-reacting systems; computation of design parameters to satisfy system constraints and typical restraints (e.g. product rate and distribution) and conditions of optimality. (Lec. 3) Prerequisite: CHE 314. Shilling

Change in B.S. requirements

The change in CHE 464 increases the B.S. requirement by one credit for Chemical Engineers as it appears on page 69 of the Undergraduate Catalog.

2. Department of Civil and Environmental Engineering

Delete CVE 393

3. Department of Electrical Engineering

In first semester of the Junior Year replace:

MTH 461 Methods of Applied Mathematics 1, 3

by

MTH 362 Linear and Complex Analysis for Scientists and Engineers 1, 3

Linear spaces and matrices with applications to linear systems of equations, differential systems, and quadratic forms. Complex and analytic functions, integral theorems, and power series. (Lec. 3) Prerequisite: MTH 243. Staff Not to be taken for major credit in mathematics.

4. Department of Mechanical and Ocean Engineering

Change present curriculum to:

Senior Year (Class of 1973)

First Semester

MCE 401	Introduction to Ocean Engineering Systems I	3
MCE 410	Basic Ocean Measurement or	
	General education elective in Division A, C or D	3
MCE 423	Design of Machine Elements	3
OCG 401	General Oceanography	3
PHY 425	Acoustics	3
	Ocean related elective	<u>3</u>
		18

Proposed cross-listings of Physical Education Scuba Diving Courses with Ocean Engineering:

PEM 303 L (OCE 303 L) Skin and Scuba Diving-Beginners 1 cr.  
Introductory Course of Skin and Scuba Diving. Emphasis is given to basic physical principles, hazards, selection of equipment and techniques. Prerequisite: Swimmer-Advanced classification. McAniff

PEM 304 J (OCE 304 J) Skin and Scuba Diving-Advanced 1 cr.  
A continuation of the Beginners course in Skin and Scuba Diving with more emphasis placed on the skill needed for advanced scuba activities as related to deep dives, salvage. Prerequisite: Beginners Skin and Scuba Diving Course. McAniff

E. College of Pharmacy (contd)

	<u>Junior Year</u>		
<u>First Semester</u>			<u>Second Semester</u>
PHC 225 Pharmaceutical Calculations and Introduction to Pharmacology	2		PHY 382 Advanced Laboratory Physics 3
BCH 311 Introductory Biochemistry	3		PCL 226 Pharmacology and Therapeutics 2
MIC 201 General Microbiology	4		PSY 103 Toward Self Understanding or 3
Electives	<u>6</u>		PSY 113 General Psychology Electives <u>9</u>
	15		17

Senior Year

The hospital clinical program provides 36 credits.

Total Credits Required: 131-133

\* This change in curriculum was approved contingent upon course number(s), credits and description(s) to account for Senior Year Credits.

SECTION III

~~Report of the Curricular Affairs Ad Hoc Subcommittee on Writing:~~

~~The committee was established by the Curricular Affairs Committee May 11, 1972 in response to the charge of the Faculty Senate to consider the recommendation of the General Education Committee that a separate Department of Writing be created. In addition, the committee was charged by the Curricular Affairs Committee to consider the programmatic and staffing requirements of such a department. The existence of the SCRATCH program and the peculiar problems which it has faced required that it be given considerable attention in this process, and the committee's recommendations must perforce reflect this attention.~~

~~The committee has met with the staff of the SCRATCH program, with the Chairman of the English Department, with the faculties of the College of Arts and Sciences, the College of Business, the College of Engineering and the College of Resource Development, but was unable to meet with the faculties of the other colleges. It has also met with the Vice President for Academic Affairs and the Chairmen of the Special Senate Committee on Communications, and the Committee on Administrative Structure and Communications. It has also investigated the approaches of other institutions to the problem of providing instruction in writing.~~

~~On the basis of these investigations, the committee makes the following recommendations:~~



D. College of Home Economics

1. Department of Food and Nutritional Science

ADD: FNS 150 Food in Affluence and Poverty 1, 2  
 Relationships between food and problems of current interest including the world food problem, hunger and malnutrition, food fads and misinformation, food processing and additives, food ecology, and food and nutrition improvement programs. May not be taken for credit after FNS 207. Caldwell and staff

2. Department of Textiles, Clothing and Related Arts

CHANGE: TXC 403 to TXC 503 Advanced Textiles

CHANGE: TXC 424 to TXC 524 Seminar in Textiles and Clothing

E. College of Pharmacy

CHANGE the name of the curriculum from Ventilation Therapy to <sup>RESPIRATORY</sup>Respiration ~~Respiratory~~ Therapy.

\*Revised Curriculum for <sup>RESPIRATORY</sup>Respiration Therapy

<u>First Semester</u>		<u>Freshman Year</u>	<u>Second Semester</u>	
ENG 110	Composition	3	ENG 120	Literature and Composition
MTH 109	Algebra and Trigonometry			or
	or	3	SPH 201	Interpersonal Communications
MTH 141	Introductory Calculus with Analytic Geometry		MTH 141	Introductory Calculus with Analytic Geometry
BIO 102	General Biology			or
	or	3 or 4	MTH 142	Intermediate Calculus with Analytic Geometry
ZOO 111	General Zoology		CHM 112, 144	General Chemistry
CHM 101, 102, or 103, 105	General Chemistry	4		General education requirements
PEM 101 or PEW 101	Physical Education	<u>1</u>		Elective *
		14-15	PEM 102 or PEW 102	Physical Education
				<u>1</u>
				17

<u>First Semester</u>		<u>Sophomore Year</u>	<u>Second Semester</u>	
PHY 111	General Physics	4	CHM 226	Organic Chemistry Lab. I and II, and CHM 228 Organic Chemistry
ZOO 121	Human Anatomy	4		or
	General Education Requirements	3		Electives
CHM 124 or CHM 227	Organic Chemistry	4 or 3	PHY 112	General Physics
PEM 203 or PEW 203	Physical Education	<u>1</u>	ZOO 242	Introduction to Human Physiology
		15-16	ZOO 244	Introduction to Human Physiology Lab.
				General Education Requirements
			PEM 204 or PEW 204	Physical Education
				<u>1</u>
				17

Addition to the Faculty Senate Curricular Affairs Committee Eighty-first Report.

S E C T I O N I

Informational changes:

College of Arts and Sciences

1. Department of Languages

CHANGE in the Catalog description of LIN 409, 410 from -

"accepted toward concentration credit in a language."

to

"May be accepted toward modified concentration credit in a language."

The complete description will read:

LIN 409, 410 Introduction to the Study of Language I and II, 3 each  
Fall semester: basic principles of descriptive linguistic science.  
Spring semester: principles of historical linguistics. (Lec. 3)  
May be accepted toward modified concentration credit in a language.

CHANGE the statement of the Concentration in German on page 42 of the Catalog from -

"Students selecting this field of concentration complete at least 30 credits in German not including GER 101, 102 or GER 391, 392. GER 205, 206 or equivalent is prerequisite to the courses on the 400-level LIN 409, 410 may be used for concentration credit."

to

"Students selecting this field of concentration complete at least 30 credits in German not including GER 101, 102 or GER 391, 392.

2. Department of Philosophy

CHANGE in Catalog description of PHL 101 to read:

PHL 101 Logic: The Principles of Reasoning I or II, 3  
Introduction to logic designed to enable the student to present evidence in basic valid argument forms. Emphasizes effective communication by considering such topics as definitions and the avoidance of fallacies. (Lec. 3) Staff

S E C T I O N II

Curricular matters submitted to the Faculty Senate for confirmation

College of Arts and Sciences



1. Department of Languages

ADD: SPA 100 Essentials of Spanish 1 or II, 3

A one semester introduction to the Spanish language. This includes an essential minimum of structure, drill in pronunciation and beginning reading practice. Not recommended for those who plan advanced work in Spanish. (Lec. 3) Bryan

SPA 121 Everday Spanish 1 or II, 3

Oral practice emphasizing a practical application of Spanish for travel or basic communication. Readings from current Spanish and Latin American newspapers and magazines. Reports dealing with contemporary problems and everyday situations. (Lec. 3) Prerequisite: SPA 100 or equivalent. Freedman

SPA 123, 124 Reading Spanish I and II, 3 each

Designed to develop reading facility and, specifically, to prepare students to read material in Spanish in their concentration or area of interest. (Lec. 3) Prerequisite: SPA 100, 102 or equivalent for 123; SPA 123 or equivalent for 124. Kossof

Change in Requirements for B.A. in Italian

ADD: ITL 325 and 326 to the requirements for the B.A. in Italian degree and change statement of the concentration on page 43 of catalog from:

"Students selecting this field of concentration complete at least 30 credits in Italian not including ITL 101, 102, 391 or 392. LIN 409, 410, may be used for concentration credit."

to

"Students selecting this field of concentration take 30 credits in Italian not counting ITL 101, 102, 391, 392. Italian 325, 326 are required."

CHANGE: SPA 511 to SPA 411 (511):

SPA 411 (511) Spain during the Reconquest 1, 3

Prominent features of medieval Spanish civilization reflecting the convergence of Christians, Muslims and Jews. Selected readings from epic, lyric and prose writings. (Lec. 3) Prerequisite: Spanish 325 or 326 or permission of instructor. In alternate years, next offered 1973-74. Navacues