1973

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

University of Rhode Island Faculty Senate

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TO: President Werner A. Baum

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled 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 /s/ Stephen B. Wood

   Chairman of the Faculty Senate

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.

   5/23/73 /s/ President

(Over)

Form Revised 6/71
ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Regents.

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 Regents, 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 Regents.

   (date)   /s/ President

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

   (date)   /s/ Chairman of the Faculty Senate
Faculty Senate Curricular Affairs Committee 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.

SECTION 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 1, 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 11, 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. Truelli

(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 1 and 11, 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. Mohrheim

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 1 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 organ­
zations 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 1 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 credit hours)
- GEL 103 Physical Geology (3 credit hours)
- BOT 101 General Botany (4-3 credit hours)
- or
- BIO 101 General Biology (4-3 credit hours)
  General education requirements (6 credit hours)

Total for First Semester: 16-15 credit hours

Second Semester

- MTH 142 Intermediate Calculus with Analytic Geometry (3 credit hours)
- GEL 104 Historical Geology (3 credit hours)
- ZOO 111 General Zoology (4-3 credit hours)
- or
- BIO 102 General Biology (4-3 credit hours)
- ESC 104 Geographical Earth Science (4 credit hours)
  General Education Requirements (3 credit hours)

Total for Second Semester: 17-16 credit hours

Sophomore Year

First Semester

- CHM 101, 102 General Chemistry (3-3 credit hours)
- or
- CHM 103, 105 General Chemistry (4 credit hours)
- PHY 213, 285 Elementary Physics (3-3 credit hours)
- or
- PHY 111 General Physics (4 credit hours)
- Required 400-level geology course(s) (4-8 credit hours)
  General education requirements (3-0 credit hours)

Total for First Semester: 15-16 credit hours

Second Semester

- CHM 112, 114 General Chemistry (4 credit hours)
- PHY 214, 286 Elementary Physics (4-3 credit hours)
- or
- PHY 112 General Physics (4 credit hours)
- Elective or required 400-level geology course (3-4 credit hours)
  General education requirements (6 credit hours)

Total for Second Semester: 17-18 credit hours

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 credit hours)
- 420 : Mineralogy (4 credit hours)
- 421 Optical Mineralogy (4 credit hours)
- 430 Petrology (4 credit hours)
- 440 Introduction to Paleontology (4 credit hours)
- 450 Introduction to Stratigraphy and Sedimentation (4 credit hours)
- 470 Structural Geology (4 credit hours)

Approved summer camp (between junior and senior years) (4 credit hours)
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) America 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 pronunciation. 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 concurrently with FRN 103, 104. Staff
FRN 114  Intensive French IV  1 and 11, 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  1, 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  11, 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  1 or 11, 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  
GER 485, 486  1.  Proposed catalog listing:  
485,486 Special Studies  1 and 11, 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  
1.  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  1 and 11, 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  1 and 11, 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**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>Freshman Year</td>
<td></td>
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<tr>
<td>CHM 101, 102 General Chemistry or CHM 103, 105 General Chemistry or BOT 111 General Botany or ZOO 111 General Zoology or MTH 109 Algebra and Trigonometry or MTH 141 Introductory Calculus with Analytical Geometry</td>
<td>CHM 112, 114 General Chemistry or ZOO 111 General Zoology or BOT 111 General Botany or MTH 141 Introductory Calculus with Analytical Geometry</td>
</tr>
<tr>
<td>General Education Requirement</td>
<td>Language* or free elective</td>
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<tr>
<td>Sophomore Year</td>
<td></td>
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<tr>
<td>First Semester</td>
<td>Second Semester</td>
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<tr>
<td>CHM 227 Organic Chemistry</td>
<td>CHM 226 Organic Chemistry</td>
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<tr>
<td>PHY 111 General Physics</td>
<td>Phys. I and II</td>
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<tr>
<td>General Education Requirements</td>
<td>CHM 228 Organic Chemistry</td>
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<td></td>
<td>PHY 112 General Physics</td>
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<td></td>
<td>General Education Requirements</td>
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<td></td>
<td>Free elective</td>
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<tr>
<td>Junior Year</td>
<td></td>
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<tr>
<td>First Semester</td>
<td>Second Semester</td>
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<tr>
<td>MIC 201 General Microbiology</td>
<td>MIC 432 Pathogenic Bacteriology</td>
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<tr>
<td>CHM 212 Quantitative Analysis</td>
<td>Biology elective</td>
</tr>
<tr>
<td>MTC 301 Medical Technology seminar</td>
<td>Free electives</td>
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<tr>
<td>General Education Requirements</td>
<td></td>
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<tr>
<td>Free elective</td>
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<tr>
<td>Senior Year</td>
<td></td>
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<tr>
<td>The hospital clinical program provides 32 credits.</td>
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<tr>
<td>Total credits required: 130</td>
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</tbody>
</table>

*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 II, 3
A study of modern and traditional jazz arranging and compositional techniques, with emphasis on solo 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 II, 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 II, 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 II, 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 1 and 11, 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 ZOO427) Modeling and Analysis of Dynamic Systems 1, 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 1, 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 1 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 3

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)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Junior Year</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHC 225 Pharmaceutical Calculations and Introduction to Pharmacology</td>
<td>PHY 382 Advanced Laboratory Physics</td>
<td>PCL 226 Pharmacology and Therapeutics</td>
</tr>
<tr>
<td>BCH 311 Introductory Biochemistry</td>
<td>PSY 103 Toward Self Understanding or</td>
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<tr>
<td>MIC 201 General Microbiology</td>
<td>PSY 113 General Psychology</td>
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<td>Electives</td>
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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

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 Respiratory Therapy.

*Revised Curriculum for Respiratory Therapy

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Second Semester</th>
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<tr>
<td><strong>First Semester</strong></td>
<td><strong>ENG 110 Composition</strong></td>
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<td><strong>MTH 109 Algebra and Trigonometry</strong> or <strong>MTH 141 Introductory Calculus with Analytic Geometry</strong></td>
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<td><strong>BIO 102 General Biology</strong> or <strong>ZOO 111 General Zoology</strong></td>
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<td><strong>PEM 101 or PEW 101 Physical Education</strong></td>
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<td><strong>Elective</strong></td>
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<tr>
<td><strong>Sophomore Year</strong></td>
<td><strong>Second Semester</strong></td>
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<tr>
<td><strong>First Semester</strong></td>
<td><strong>PHY 111 General Physics</strong></td>
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<td><strong>ZOO 121 Human Anatomy</strong></td>
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<td><strong>General Education Requirements</strong></td>
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<td><strong>CHM 124 or CHM 227 Organic Chemistry</strong></td>
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<td><strong>PEM 203 or PEW 203 Physical Education</strong></td>
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Addition to the Faculty Senate Curricular Affairs Committee Eighty-first Report.

SECTION 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

SECTION 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  I 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  Everyday Spanish  I 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  I, 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