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## Transfer Credit Towards Sabbatical Leaves

University of Rhode Island Faculty Senate

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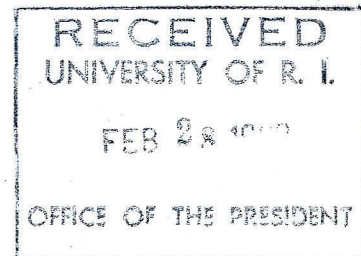
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UNIVERSITY OF RHODE ISLAND

FACULTY SENATE

BILL

Adopted by the Faculty Senate



TO: President Werner A. Baum

FROM: Chairman of the Faculty Senate

1. The Attached BILL, titled 52nd Curricular Affairs Committee Report

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 20, 1969 (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 13, 1969 (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 21, 1969  
(date)

*[Signature]* /s/  
Chairman of the Faculty Senate

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ENDORSEMENT 1.

TO: Chairman of the Faculty Senate

FROM: President of the University

1. Returned.

2. Approved ✓ Disapproved \_\_\_\_\_

*subject to B/T action as needed*

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

3/9/69  
(date)

*[Signature]* /s/  
President

ALTERNATE ENDORSEMENT 1.

TO: Chairman of the Board of Trustees.

FROM: The University President

1. Forwarded.
2. Approved.

\_\_\_\_\_  
(date)

\_\_\_\_\_/s/  
President

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ENDORSEMENT 2.

TO: Chairman of the Faculty Senate

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

1. Forwarded.

\_\_\_\_\_  
(date)

\_\_\_\_\_/s/  
\_\_\_\_\_  
(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 Trustees.

\_\_\_\_\_  
(date)

\_\_\_\_\_/s/  
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.

\_\_\_\_\_  
(date)

\_\_\_\_\_/s/  
Chairman of the Faculty Senate

UNIVERSITY OF RHODE ISLAND

Kingston, Rhode Island

February 10, 1969

Faculty Senate Curricular Affairs Committee Fifty-second Report (full)

At its meetings on January 22 and 23, 1969, the Faculty Senate Curricular Affairs Committee considered the following matters which are now submitted to the Faculty Senate for information or confirmation as indicated.

I. MATTERS OF INFORMATION (for further details, consult the chairman of the department concerned).

A. College of Arts and Sciences

1. Department of Computer Science and Experimental Statistics.

C.S. 1 Digital Computation. Change description to include: Not open for credit for students who have taken C.S. 10.

2. Department of Geology.

Substitute Earth Science 2 for Geology 9 in the prerequisites of Geology 12, 110, 124, 130, 142, 150, and 170.

Geology 115. Change prerequisite to: Geology 110 and concurrent registration in Geology 112 or permission of the department.

3. Department of Physical Education for Women.

13W. Change number only to 9W (13W). Principles of Teaching Physical Education.

4. Department of Sociology.

Sociology 191. Change prerequisite by adding: or permission of the department.

B. College of Engineering

1. Department of Mechanical Engineering and Applied Mechanics.

a. Change title and description of M.E. 251 and 252, Thermodynamics to read:

251 Thermodynamics 1, 3  
An Advanced study of classical thermodynamics with emphasis on basic concepts, laws, and thermodynamic relations. (Lec. 3)  
Prerequisite: M.E. 51, M.E. 54. Brown

252 Statistical Thermodynamics 11, 3  
Irreversible thermodynamics, kinetic theory of gases, statistical thermodynamics and the development and application of the partition function. (Lec. 3) Prerequisite: M.E. 51. Wilson

- b. M.E. 258. Change description to read:  
258 Heat Transfer I, 3  
Conduction in two and three dimensions and conducting systems with radiation and fluid motion. Solutions obtained by mathematics, computer-numerical methods, and analog devices. (Lec. 3)  
Prerequisite: M.E. 158. Schenck
  
- c. M.E. 259. Change description to read:  
259 Convection Heat Transfer II, 3  
A study of the relationship between heat transfer and fluid flow with emphasis on the solution of governing equations by exact methods, integral methods and similarity techniques. (Lec. 3) Prerequisite: M.E. 158. Test
  
- d. M.E. 231. Change prerequisite from M.E. 174 to M.E. 123.
  
- e. M.E. 250. Change prerequisite to: C.E. 21, M.E. 54, and M.E. 172 or permission of instructor.
  
- f. M.E. 273. Change prerequisite to: C.E. 21, Math. 44, and M.E. 172, or permission of instructor.
  
- g. M.E. 275. Change prerequisite to: C.E. 21, Math. 44, and M.E. 172, or permission of instructor.
  
- h. M.E. 366. Change Non-Linear in title to Nonlinear. Add:  
prerequisite: M.E. 264.
  
- i. M.E. 254. Change description to read:  
Fundamental Concepts of inviscid fluid motion. Rotational and irrotational flows. Applications to rotating fluids, flow around bodies, and other incompressible flows. (Lec. 3) Prerequisite: M.E. 54. Dowdell, Hagist, and White
  
- j. M.E. 255. Change description to read:  
Fundamental equations of viscous, heat conducting flow. Application to exact viscous solutions, stability and transition, laminar and turbulent boundary layers, heat convection, diffusion, and dissipation. (Lec. 3) Prerequisite: M.E. 254. Dowdell, Hagist, and White
  
- k. M.E. 355. Change description to read:  
A study of the flow of real fluids at very high speeds, with emphasis upon the development of basic physical relations. Application to several problems in space technology. (Lec. 3)  
Prerequisite: M.E. 251, 254, 258. Dowdell, Hagist, and White
  
- l. M.E. 356. Change prerequisite to M.E. 254 or permission of instructor.

- m. M.E. 23. Change description to read: 11, 3  
23 Kinematics  
Analysis of mechanisms by analytical and related graphical methods including linkages, cams, gears, gear trains, differential mechanisms, escapements, computing, and miscellaneous mechanisms; vector methods including complex exponential representation of a vector in a plane. (Lec. 3) Prerequisite: Engr. 2, M.E. 63. Hatch and Staff
- n. M.E. 54. In description on the 5th line change potential flows to boundary layer flows.
- o. M.E. 56. Change description to read:  
A laboratory course dealing with practical techniques in fluid mechanics. Flow measurement and instrumentation, analog methods, and fluid machinery. (Lab. 3) Prerequisite: M.E. 54. DeLuise and Hagist.
- p. M.E. 62. Change semester offering from II to I and II.
- q. M.E. 63. Change semester offering from I to I and II.
- r. M.E. 123. Change description to read: 1, 3  
123 Design of Machine Elements  
Design and analysis of machinery involving application of the principles of strength of materials. General problem of determining adequacy of design; factor of safety, stress concentration, fatigue failure, creep, thermal stresses, and impact. Study of mechanical power transmission devices, gears, springs, shafts, fasteners, ball bearing reliability. (Lec. 3) Prerequisite: M.E. 23, C.E. 21. Hatch and Staff
- s. M.E. 124. Change description to read: 1, 3  
124 Dynamics of Machines  
Study of the forces in machinery, including linkages, intermittent motion, trains of mechanism; static, inertia, and combined forces; balancing, critical speeds, and gyroscopic effects. (Lec. 3) Prerequisite: M.E. 23, Math 44. Hatch
- t. M.E. 125. Change instructor from staff to Bradbury.
- u. M.E. 126. Change description to read: 11, 3  
126 Advanced Mechanics of Materials  
Advanced problems in stress and deformation of elastic members; general stress relations, principal stresses, theories of failure, thick cylinders and discs, curved bars, torsion of non-circular members, and buckling of bars, plates and shells. (Lec. 3) Prerequisite: C.E. 21. Hatch and Goff
- v. M.E. 128. Change description to read: 11, 3  
128 Mechanical Control Systems  
Analysis of mechanical, electromechanical, hydraulic, pneumatic, and thermal control systems; transient and frequency response of linear systems; introduction to Laplace transformation

applied to automatic control systems, transfer functions, system stability; computer applications. (Lec. 3) Prerequisite: M.E. 63 or equivalent, Math. 44. Nash and Staff

- w. M.E. 155. Change description to read:  
155 Advanced Fluid Mechanics 1, 3  
Continuation of M.E. 54 consisting of selected topics in advanced fluid mechanics including potential flows, gas dynamics, fluid machinery, and electric and magnetic field effects. (Lec. 3)  
Prerequisite: M.E. 54. Dowdell, Hagist and White
- x. M.E. 163. Change semester offering from I and II to I.
- y. M.E. 174. Change description to read:  
174 Comprehensive Design II, 3  
Creative design of engineering systems including possible socio-economic and ecological considerations. Projects involving original design and analyses. Selected advanced topics in design: reliability and probability considerations, decision theory, optimum design, case studies of recent innovations. (Lec. 3) Prerequisite: M.E. 123. Hatch and Nash

## II. MATTERS REQUIRING CONFIRMATION BY THE FACULTY SENATE (approval recommended).

### A. College of Arts and Sciences.

#### 1. Department of Computer Science and Experimental Statistics.

##### a. Add (new)

- 1) Exp. Stat. 211, Linear Statistical Models I, 3  
Review of mathematical and statistical concepts. The multivariate normal distribution. Distribution of quadratic forms. Power of the F-test. The basic linear models: The general linear hypothesis; Regression models; Experimental design models; Variance component models; Mixed models. Prerequisites: Math 115 and Exp. Stat. 112 or Math 152.
- 2) C.S. 225 (I.E. 225) Simulation II, 3  
Introduction to simulation. Discrete simulation models. Comparison of discrete change simulation languages. Simulation methodology including generation of random variates, design of simulation experiments for optimization, analysis of generated data, and validation of models and results. Selected applications of simulation. Prerequisite: C.S. 110, and 6 credits in statistics. In alternate years, next offered 1969-70. Staff.

#### 2. Department of Education.

##### a. Add (new)

- 1) 308 Health Aspects of Aging I or II, 3  
Seminar approach in dealing with health problems of aging, maintenance of optimal physical and mental health, and health programs and facilities for the elderly. Field trips to selected health programs on health care facilities. (Lec. 3)  
Prerequisite: Educ. 205 or permission of the Department.  
Wilbur and Staff
- 2) 309, 310 Seminar and Supervised Field Practicum in Education of the Aging I and II, 3 each  
Seminar approach dealing with adult educational methods as applied to older adults, including preretirement education, current education programs for the elderly, and evaluation of educational activities with the aging. Supervised field practicum of 150 hours. (Lec. 2, Lab. 3) Prerequisite: Educ. 264 or permission of the Department. Wilbur and Staff

3. Department of English.

a. Add (new) for 1969 Summer Session only.

- 1) 101 The American Writer and the Negro I, 3  
General survey of writings by and about Negroes in American literature. Study of representative works providing an aesthetic and social view of the American Negro. (Lec. 3)  
Staff

4. Department of Geology.

a. Add (new)

- 1) 112 Optical Mineralogy II, 3  
Elementary study of the optical properties of minerals and their identification using the polarizing microscope. The latter part of the course will consist of a systematic survey of the major rock-forming minerals and their identification by optical techniques. (Lec. 2, Lab. 3) Prerequisite: Geology 110. Offered in the Spring of odd calendar years; next offered 1971. Hermes
- 2) 181 Principles of Geochemistry I, 3  
Applications of basic chemical concepts to geological problems. Topics of discussion to include historical geochemistry, crystal chemistry, the phase rule, geochemistry of natural rock systems, isotope geochemistry, distribution of the elements, and geochemical cycles. (Lec. 3) Prerequisites: Geol. 110, Chem. 10 (may be taken concurrently). In Fall of odd calendar years. Next offered 1969-70. Hermes
- 3) 281 Analytical Geochemistry II, 2  
Fundamentals and principles of rapid chemical analyses of naturally occurring geologic materials and interpretation of collected data. (Lab. 6) Prerequisites: Geol. 181, Chem. 12



or permission of the Department. Spring of even calendar years. Next offered 1969-70. Hermes

- 4) 283 Igneous and Metamorphic Geochemistry 11, 3  
Applications of elementary thermodynamics to geologic problems including phase equilibria and igneous and metamorphic reactions. In addition to the classical approach, the course will incorporate a survey of the current literature in the area of geochemical petrology. (Lec. 3) Prerequisites: Geol. 181, Math, 43. In Spring of even calendar years. Next offered 1969-70. Hermes
- 5) 212 Pleistocene Geology 1, 3  
Introduction to origin and development of glacial geomorphic features, Pleistocene sea level changes and principles of Pleistocene stratigraphy. Field and laboratory studies of glacial landforms and glacial deposits. (Lec. 2, Lab. 2) Prerequisite: Geol. 150 or permission of the Department. Offered in Fall of odd calendar years, next offered Fall, 1969. J. J. Fisher
- 6) 214 Geohydrology 11, 3  
Introduction to ground-water hydrology and drainage basin analysis and their relation to geomorphology, glacial geology and sedimentology. Laboratory work in analog models and analysis of water resources in various geologic environments from geologic maps and aerial photography. Field studies in geophysical methods of investigation. (Lec. 2, Lab. 2) Prerequisites: Geol. 7 or 130 or 150 or permission of the Department. Offered in spring of even calendar years, next offered Spring, 1970. J. J. Fisher
- 7) 215 (or O.E. 215) Coastal Engineering Geology 11, 2  
Lecture-seminar discussions of the interaction of geologic factors and coastal structures. Shore materials, energy-material relationships, and the interference of man-made structures with the natural regimen will be emphasized. (Lec. 2) Prerequisite: Basic geology course and Geol. 130, or Geol. 150, or Geol. 210, or Ocean. 241, or permission of the Department. Offered in Spring of even calendar years. MacLean

b. Course and curriculum changes.

- 1) Change the curriculum requirements for the B.S. in Geology as follows:
- Delete: Geol. 100 and 101.
  - Change: Geol. 110 from 4 credits to 3 credits.
  - Add: Geol. 112 and Earth Science I.
  - Reduce the number of credit hours in the distributed "minor" from 15 to 12 (the total number of credits will remain the same).

2) Change the curriculum requirements for the B.A. in Geology as follows:

- a) Change: Geol. 110 from 4 credits to 3 credits.
- b) Add: Geol. 112.
- c) Substitute: Earth Science 1 for Geography 1. (The minimum number of Geology credits remains at 27).

3) Change credits (from 4 to 3) and description of Geology 110 to read:

110 Mineralogy 1, 3  
The systematic study of crystallography, morphology, and the physical properties of minerals as related to their crystal structure and chemical composition. Laboratory work consists of a study of crystal morphology and identification of the most common and geologically important minerals. (Lec. 2, Lab. 3) Prerequisites: Geol. 8 or E.S. 2, Phys. 2 or 4, and Chem. 1 or 3, or permission of the Department. Offered in the fall of even calendar years, next offered 1970. Hermes

c. Delete:

- 1) 251 Crystallography (Grad. #54)
- 2) 100, 101 Seminar (Grad. #54)

5. Department of Languages.

a. In the B.A. Curriculums, College of Arts and Sciences, the description for the Language requirements (catalog p. 36) should read: "Students may major in French, German, Italian, or Spanish. Students majoring in a language and beginning their language at the 3-level or above will be required to take only 30 credits in their major field. Students beginning their language at the 2-level will be required to take 33 credits, and those beginning their language at the 1-level will be required to take 36 credits in their major field."

b. Add the following courses to the requirements for majors in Spanish:

- 1) Spanish 92 Introduction to Hispanic American Literature.
- 2) Spanish 133 Cervantes.

c. Add "required of all Spanish majors" to the catalog descriptions of Spanish 92 and 133.

6. Department of Physical Education for Women.

a. Add (new)

- 1) 10W Recreation Programs and Leadership 1, 2  
Principles and practice of leadership in social recreation situations. Overview of school and community programs; planning and conducting activities for children, youth and

adults; developing personal resources for creativity. (Lec. 1, Lab. 2) Staff

- 2) 14W Physical Education in Elementary Schools II, 2  
Techniques used in conducting a program of physical education for elementary school children. Types of activities found in the basic program and progressions in planning for various age groups will be stressed. (Lec. 1, Lab. 2) Staff

b. Delete (Contingent upon approval of 10W and 14W)

- 1) 22W Recreation
- 2) 12W Activities of High and Low Organization

c. Delete from the major requirement:

- 1) Education 2 Introduction to American Education
- 2) Education 30 Methods and Materials in Secondary Teaching

d. Add to the major requirement:

- 1) Phys. Ed. 20W Kinesiology

e. Change credits required for graduation from 144 to 137.

7. Department of Psychology.

a. Add (new)

- 1) 312 (Exp. Stat. 312) Factor Analysis II, 3  
A study of and comparison among various procedures of factor analysis including tetrad differences, bi-factor, group centroid, principal components and canonical methods. Interpretation of factors. Estimation of factor loadings and specific variances. Methods for factor rotation. Estimation of factor scores. (Lec. 3) Prerequisite: Exp. Stat. 241. Merenda

8. Department of Sociology.

a. Add (new)

- 1) 150 The Ecology of the Community I or II, 3  
The spatial and temporal organization of communities. A consideration of the symbiotic relations between man and his environment, as well as a survey of community, ecological and power structure studies. (Lec. 3) Prerequisite: Sociology I. Bouvier
- 2) 205 Seminar in Deviance I or II, 3  
Deviation from social expectations analysed as a social phenomenon. Emphasis on deviation theories and research pertaining to individuals, subcultures, and social systems.

Discussions, oral and written reports. (Lec. 3) Prerequisite: permission of the Department. Staff

- 3) 208 The Individual and Social Organization I or II, 3  
The sociology of the individual as the creator, preserver, and participant in society. Emphasis upon symbolic interaction in the growth of personal idiom, the development of social structure, and of the content of social change. (Lec. 3) Prerequisite: permission of the Department. Staff
- 4) 210 Concepts and Problems of Social Organization I or II, 3  
An examination of key spheres in social organization such as stratification, institutions, communities from a variety of perspectives including consensus and coercion models, pluralist versus elitist images of power structure, and the pros and cons of functionalism. (Lec. 3) Prerequisite: permission of the Department. Staff

- b. Change number only of Soc. 193 to Soc. 209, Contemporary Sociological Theory (Grad. #54).
- c. Change Sociology catalog headings and course designations as requested.

Change the main department heading in the Catalog to read: SOCIOLOGY & ANTHROPOLOGY. Following the listing of the staff, insert a new sub-heading, Anthropology, followed by a listing of anthropology courses. Below this insert the sub-heading, Sociology, followed by a listing of the Sociology courses. Change the following Sociology courses to Anthropology courses:

Sociology 5	to	Anthropology 5
Sociology 6	to	Anthropology 6
Sociology 50	to	Anthropology 50
Sociology 57	to	Anthropology 57
Sociology 88	to	Anthropology 88
Sociology 90	to	Anthropology 90
Sociology 101	to	Anthropology 101
Sociology 110	to	Anthropology 110
Sociology 125	to	Anthropology 125
Sociology 191	to	Anthropology 191

- d. Change the current description of the major in Sociology (page 38 of the 1968 Catalog) to the following:

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

1 General Sociology	3
2 Social Psychology	3
192 History of Sociological Thought	3
195 Theory and Methods of Sociological Research	3

The remaining 18 credits are to be divided as follows:

Area I Social Institutions and Social Structure	12
Area II Social Organization and Deviant Behavior	6

Students planning careers in social work are advised to take courses listed under Social Welfare as electives. Students contemplating further work in Anthropology are advised to take courses in Anthropology as electives.

9. Department of Speech.

a. Add (new)

- 1) 112 Auditory and Speech Mechanisms 11, 3  
Structure and function of the organs of hearing and speech as they relate to normal and pathological communication; theories of cortical involvements, central and peripheral nervous systems relevant to rehabilitation procedures. (Lec. 3)  
Prerequisites: junior standing and permission of the Department. Jones and Staff
- 2) 113 Phonetics 1, 3  
International Phonetic Alphabet; analysis of phonetic and phonemic elements in major American English dialects; practice in transcription of standard and defective speech. (Lec. 3) Prerequisite: junior standing. Beaupre and Staff
- 3) 114 Communication Processes 11, 3  
Psychocommunication processes basic to speech; theories of language learning; psychology of hearing and deafness; interrelationships between speech and personality. (Lec. 3) Prerequisite: junior standing. Beaupre and Staff
- 4) 120 Language Development 1, 3  
Developmental phenomena in speech and language; causal factors of delayed speech and language; survey of evaluative and habilitative programs for children with deviant language development. (Lec. 3) Prerequisite: Junior standing. Beaupre and Staff
- 5) 251 Measurement of Hearing 1, 2-3  
History of hearing evaluation techniques; methods and practicum in basic audiological assessment; types of hearing losses and their implications for rehabilitation. (Lec. 2, Lab. 3) Prerequisites: senior standing and Speech 160. Jones and Staff
- 6) 252 Advanced Measurement of Hearing 11, 2-3  
Speech audiometry; recruitment phenomena; functional hearing losses; education and rehabilitation problems associated with electronically assisted hearing. (Lec. 2, Lab. 3) Prerequisite: Speech 251 or equivalent. Regan and Staff

- 7) 253 Pedaudiology 1, 2-3  
Hearing evaluation problems associated with infants and pre-school children; instrumentation and procedures; behavioral characteristics of hearing-impaired children. (Lec. 2, Lab. 3) Prerequisites: senior standing and Speech 160.  
Regan
- 8) 254 Auditory Training and Speechreading 11, 2-3  
Rationale and techniques for auditory training programs; speechreading as a communication system; evaluation of methodologies for developing speechreading skills; practicum with children and adults. (Lec. 2, Lab. 3) Prerequisites: senior standing and Speech 160. Staff
- 9) 255 Electronically Assisted Hearing 1, 2-3  
Principles of selective amplification and acoustical control; evaluation of various devices including wearable hearing aids; methods of instruction in the use of acoustical instruments. (Lec. 2, Lab. 3) Prerequisites: Speech 251. Staff
- 10) 256 Automatic Audiometry 11, 2-3  
Bekesy principle; continuous, discrete, and pulsetone measurements; diagnostic implications of various Type Tracings; research findings and current issues; practicum. (Lec. 2, Lab. 3) Prerequisites: Speech 252 and permission of the Department. Staff
- 11) 261 Disorders of Articulation 1, 2-3  
Types and causes of articulation disorders; rationale for case selection; S-R-L syndrome; special emphasis on rehabilitation procedures associated with individual involvements; practicum. (Lec. 2, Lab. 3) Prerequisites: senior standing and Speech 160. Seitz
- 12) 262 Disorders of Voice 1, 2-3  
Types and causes of voice disorders; rationale for case selection; medical implications; special emphasis on rehabilitation procedures associated with individual involvements; practicum. (Lec. 2, Lab. 3) Prerequisites: senior standing and Speech 160. Beaupre
- 13) 265 Disorders of Rate and Rhythm 11, 2-3  
Types and causes of rate, rhythm and stress disorders; rationale for case selection; survey of stuttering theories; special emphasis on rehabilitation procedures associated with individual involvements; practicum. (Lec. 2, Lab. 3) Prerequisites: senior standing and Speech 160. Staff
- 14) 266 Disorders of Symbolization 11, 2-3  
Types and causes of language symbolization disorders; rationale for case selection; childhood aphasia and autism; special emphasis on rehabilitation procedures associated with individual involvements; practicum. (Lec. 2, Lab. 3) Prerequisites: senior standing and Speech 160. Jones

- 15) 271 Diagnostic Procedures: Voice and Articulation 1, 2-3  
Instrumentation, tests, and procedures for evaluating individuals with voice and articulation disorders; practicum in speech and hearing centers; principles of differential diagnosis and report writing. (Lec. 2, Lab. 3) Prerequisites: senior standing and permission of the Department. Beaupre and Staff
- 16) 272 Diagnostic Procedures: Phythm and Symbolization 11, 2-3  
Instrumentation, tests, and procedures for evaluating individuals with disorders of rate, rhythm and symbolization; problems in differential diagnosis; practicum in speech and hearing centers. (Lec. 2, Lab. 3) Prerequisites: senior standing and permission of the Department. Jones and Staff
- 17) 304 Speech and Hearing Research 1, 11, 3  
Types of research in speech pathology, audiology, and communication science; critiques of representative models with special emphasis on experimental research; individual pilot projects or Masters Thesis. (lec. 3) Prerequisite: admission to graduate programs in Speech. Beaupre, Doody, Jones, and Staff
- 18) 351 Audiometric Screening and Surveying Techniques 1, 3  
Rationale, instrumentation, and techniques for selecting and administering group and individual screening tests; records and interpretations; current research and professional issues. (Lec. 3) Prerequisite: Admission to graduate program in Audiology. Staff
- 19) 352 Medical Audiology 11, 3  
Diagnostic implications of audiometry for various organic disorders; supportive audiological information relevant to medical and surgical interventions; differential data associated with otosclerosis, Meniere's disease, VIIIth cranial nerve tumors, and malingering. (Lec. 3) Prerequisite: admission to graduate program in Audiology. Staff
- 20) 353 Contemporary Problems in Audiology 1, 3  
Critical review of current research and controversial issues within the profession; student selects one topic for independent study. (Lec. 3) Prerequisites: admission to graduate program in Audiology and permission of the Department. Regan
- 21) 354 Environmental Audiology 11, 3  
Hearing problems in industry, in the military, and other high noise level environments; medico-legal aspects of hearing loss; hearing conservation programs in public schools. (Lec. 3) Prerequisites: admission to graduate program in Audiology and permission of the Department. Staff

- 22) 355 Speech and Language for Deaf or Hard of Hearing Child 1, 3  
Role of the audiologist as hearing therapist in public school settings, medical clinics, and pre-school programs; responsibilities as part of the educational, psychological and medical team for active intervention with speech and language problems. (Lec. 3) Prerequisites: admission to the graduate program in Audiology and permission of the Department. Staff
- 23) 356 Speech and Language for Deaf or Hard of Hearing Adult 11, 3  
Role of the audiologist as hearing therapist and consultant for adults with agenerative or degenerative hearing deficits; responsibilities as part of the rehabilitation team for active intervention with speech and language problems. (Lec. 3) Prerequisites: admission to graduate program in Audiology and permission of the Department. Staff
- 24) 361 Cerebral Palsy 1, 3  
Identification of types of cerebral palsy by location of lesion, motor symptomatology and additional handicaps; role of the speech clinician on the team; types of speech therapy with special emphasis on the Bobath approach; current research and controversial issues. (Lec. 3) Prerequisite: admission to graduate program in Speech Pathology. Jones
- 25) 362 Stuttering and Cluttering 11, 3  
Analysis of the various etiological theories of stuttering and tachyphemia; techniques and implications of the several therapies; student encouraged to develop his own rationale for intervention and case selection. (Lec. 3) Prerequisite: admission to graduate program in Speech Pathology. Seitz
- 26) 363 Cleft Palate and Other Orafacial Deformities 1, 3  
Relationship of prosthetic, surgical, and orthodontic intervention to speech rehabilitation; role of speech clinician on the cleft palate team; assessment of therapeutic approaches; current research and controversial issues. (Lec. 3) Prerequisites: admission to the graduate program in Speech Pathology and permission of the Department. Jones
- 27) 364 Delayed Speech and Language 11, 3  
Problems in differential diagnosis for deafness, aphasia, autism, and learning disorders; demonstrations and critiques of clinical interventions with children who have speech and language learning deficits including dyslexia and acalculia. (Lec. 3) Prerequisite: admission to the graduate program in Speech Pathology. Seitz and Staff



- 28) 365 Aphasia and Allied Language Disorders 1, 3  
Types of adult aphasia; central and peripheral dysarthrias; role of speech clinician on the rehabilitation team; other degenerative disorders such as Parkinsonism and dystonia will be discussed; current research and controversial issues. (Lec. 3) Prerequisites: admission to graduate program in Speech Pathology and permission of the Department. Jones
- 29) 366 Alaryngeal Speech 11, 3  
Voice and speech rehabilitation for the individual without a functional larynx; social, emotional and medical considerations; clinical procedures for esophageal, pharyngeal and buccal speech; implications for use of artificial larynx; current research. (Lec. 3) Prerequisite: admission to the graduate program in Speech Pathology. Beaupre

b. Delete:

1) 263, 264 Problems in Speech Pathology and Audiology (Grad. #54)

- c. Authorize the establishment of a program of graduate study leading to the Master of Arts or Master of Science in Speech Pathology and the Master of Arts or Master of Science in Audiology. (The above course changes are an integral part of this proposal).

Comment

Eight years ago (July 6, 1960) the Board of Trustees of State Colleges authorized the Department of Speech at the University of Rhode Island to initiate courses and clinical services which would make it possible for Speech and Hearing Therapists to meet the certification requirements in their respective fields. This charge was reiterated in 1963 by the Rhode Island State Legislature. Prior to 1967 the University of Rhode Island did not pick up the charge and carry through with programs in Speech Pathology and Audiology which would meet both state and national certification requirements. Consequently the State of Rhode Island is faced with the projected need for two hundred speech pathologists and audiologists by the year 1975. Efforts to recruit qualified personnel to date have been unsuccessful. The shortage is acute in 1969 with no relief in sight, unless URI can fill the gap. No other such programs exist or are contemplated within the State of Rhode Island. Approximately twenty-five graduate students have already applied for admission to these program, pending final approval of the Faculty Senate and the Board of Trustees. The development of these programs in speech pathology and audiology have had strong administrative support at URI as well as from other appropriate agencies with the State.

10. Department of Theatre.

- a. Change course numbers:

- 1) Change 82 to 182.
- 2) Change 83 to 183.
- 3) Change 2 to 49 and cross-list as Education 49.

B. College of Business Administration.

1. Department of Management.

- a. Change title, credits, and description of QBA 7 to read:  
QBA 7 Introduction to Computer Programming for Business I and II, 2  
Computer operation and programming fundamentals are covered including flowcharting and program writing in one of the common computer programming languages, such as FORTRAN or BASIC emphasizing business application. Assigned problems are debugged and run on the computer. (Lec. 2) Staff
- b. Delete QBA 8, contingent upon approval of changes in QBA 7.

C. College of Pharmacy.

Authorize a new four-year curriculum leading to the degree of Bachelor of Science in Ventilatory Therapy.

Comment:

I. It is proposed to establish a new 4-year curriculum leading to the degree of Bachelor of Science in Ventilatory Therapy, in cooperation with the Rhode Island Hospital. Its purpose is to provide personnel for professional service in hospitals who are thoroughly trained in the basic sciences important in this medical specialty and who are specialized in treatments involving administration of oxygen and other substances via the lungs. It provides preparation for personnel with qualifications for responsibilities for a leadership role in a paramedical profession and is similar in format and intent to the program in Medical Technology established about 16 years ago and modified in 1959-60 (cf. A&S Faculty minutes Nov. 30, 1959).

The program will make use of existing facilities and courses on campus, and no additional faculty personnel will be required, in the University. It is expected small numbers of students -- 10-20 -- will be accepted, at least in the early years and that this number will be increased by transfer students. The details of the proposal follows.

II. The Need: Communications with the American Registry of Inhalation Therapists and the American Association for Inhalation Therapy indicate that there are now approximately 8000 ventilation therapists of all kinds in the United States and openings for 30,000. In 1973-75 the estimated need is between 45,000 - 70,000. There are currently 25 registered therapists in Rhode Island with an optimum current need of 200. It is estimated that the optimum need in this State in 1975 will be between 300 and 400. The desired need now in Rhode Island Hospital

alone is stated to be 93. At least 4 other hospitals have needs of somewhat lesser numbers. It is estimated by Dr. Saklad that by 1973-75 Rhode Island hospitals will need 120 University graduates of Ventilatory programs.

The primary purpose of the URI program is to prepare degree students in the program for the supervisory-teacher role. Thus, if the figure of 300-400 optimum number of therapists in this State by 1973 is correct, the University should be graduating about 35 therapists with the B.S. degree by 1973.



SENIOR CLINICAL YEAR - Rhode Island Hospital

	<u>Credits</u>
1. Respiration	4
Medical Electronics	3
Chemistry and Manufacture of Compressed Gases	2
Clinical Bacteriology	2
Introduction to Patient	1
	<hr/> 12
2. Technique of Inhalation Therapy	4
Organization of Inhalation Therapy Service	2
Pulmonary Function	2
Pathologic Physiology	3
Patient Care	1
	<hr/> 12
3. Supervised Ventilation Therapy and patient care	12
	<hr/>
Total Credits Clinical Fourth Year:	36
Total Credits for B.S. Degree in Ventilatory Therapy	131 - 135

2. Clinical Courses (Rhode Island Hospital)

The courses to be given in the Rhode Island Hospital by the staff of the Program in Ventilatory Therapy are given below: The proposed credits after each course are based on contact hours and the ratio of laboratory hours to recitation hours.

- a. RESPIRATION (16 weeks) 4 credits  
Beginning with a review of basic anatomic and physiologic considerations of gas movement and transfer in airways and lungs and blood, the course continues with a presentation of alteration in disease states and the role of artificial ventilation and other forms of therapy.
- b. MEDICAL ELECTRONICS (16 weeks) 3 credits  
A review of electricity, development of simple circuits, the use of gas electrodes, photoelectric cells, pressure and flow transducers and recording devices in the evaluation and monitoring of patients.
- c. CHEMISTRY AND MANUFACTURE OF COMPRESSED GASES (16 weeks) 2 credits  
The history, manufacture, storage, control and clinical application of gases employed in ventilatory therapy will be considered. A special reference will be made to safety considerations in the handling of compressed gases.
- d. CLINICAL BACTERIOLOGY (16 weeks) 2 credits  
The fundamentals in bacteriology will be reviewed. This will be followed by a consideration of the dangers to patients by contaminated therapeutic devices, the importance of proper care of apparatus and the role of antibiotics in the care of patients.
- e. INTRODUCTION TO THE PATIENT (16 weeks) 1 credit  
Considerations will be directed to the patient's outlook towards his illness, to the hospital environment in general and to the intensive care unit in particular.
- f. TECHNIQUES OF INHALATION THERAPY (16 weeks) 4 credits  
This course will cover a thorough understanding of the mechanism and application of the many techniques employed in ventilatory therapy. It will encompass the wide range from a simple flow meter to pressure-volume-time and electrically controlled ventilators. Instruction in the administration by and maintenance of artificial ventilators will be stressed. Other considerations will range from simple patient comfort to advanced forms of physical therapy.
- g. PULMONARY FUNCTION (16 weeks) 2 credits  
A detailed presentation will be made and experienced developed in the use of apparatus to measure the patient's ability to ventilate himself. The use of spirometry, the evaluation of pulmonary mechanics, the physical diffusion of gases and principles

of ventilation perfusion in healthy people as well as in patients with pulmonary disease will be presented. There will be ample opportunity for the student to enter actively into this phase of study.

- h. ORGANIZATION OF INHALATION (Ventilation Therapy Service) (16 weeks) 3 credits  
A detailed consideration of physical and management requirements for hospital and institutional services in ventilation therapy.
- i. PATHOLOGIC PHYSIOLOGY (16 weeks) 3 credits  
The effect of disease on vital processes as circulation, central nervous and genito-urinary systems will be presented in general, and ventilatory processes in particular will be reviewed in detail, with emphasis on the therapeutic value of ventilatory care and reversal of disease processes.
- j. PATIENT CARE (16 weeks) 1 credit  
The interrelationship of the patient with the ventilatory therapist, physician, nurse, physiotherapist and other members of the clinical team.
- k. SUPERVISED VENTILATORY THERAPY (16 weeks) 12 credits  
This entire aspect will be direct patient contact. It will give the student an opportunity to apply the knowledge and techniques previously presented to him. Every student will be individually supervised by a tutor.

### 3. Further Explanatory Comments.

The grades would be assigned as letter grades, A to F, and would be directly entered on the student's transcript. The quality points would be calculated on a grade-credit basis as for all present University work in computing averages for honors, etc.

The academic year in the hospital curriculum runs from June 17, 1968 to May 31, 1969. Students would thus be able to enter the hospital immediately following final examinations of the Junior year and to return a year later in time to participate in the regular URI Commencement and Senior week activities.

During the Senior year off campus, the student attending the Inhalation Therapy School would register at the University as do the students in the Medical Technology and Nursing Curriculums, and pay the regular fees required of a commuting student.

During the period of hospital residence, the student would be subject to such resident and parietal regulations as may prevail at the institution attended. Dismissal from the hospital school for reasons other than academic failure will, in all cases, be reviewed by the appropriate Personnel Dean and may also be the basis for separation from the University.

A working agreement will be negotiated between the Board of Trustees of State Colleges and the Rhode Island Hospital defining the responsibilities of each in relation to the students' training, fees, stipend, etc.

Included with the master proposal is an agreement proposed between the University of Rhode Island and the Rhode Island Hospital governing operation of the program in Ventilation Therapy.

4. Action.

It is proposed that this program be instituted for freshmen entering the University of Rhode Island in Spetember, 1969.