

12-12-1996

The Three Hundred and Forty-Second Report of the Curricular Affairs Committee

University of Rhode Island Faculty Senate

Follow this and additional works at: https://digitalcommons.uri.edu/facsen_bills

Recommended Citation

University of Rhode Island Faculty Senate, "The Three Hundred and Forty-Second Report of the Curricular Affairs Committee" (1996). *Faculty Senate Bills*. Paper 1453.
https://digitalcommons.uri.edu/facsen_bills/1453

This Legislation is brought to you by the University of Rhode Island. It has been accepted for inclusion in Faculty Senate Bills by an authorized administrator of DigitalCommons@URI. For more information, please contact digitalcommons-group@uri.edu. For permission to reuse copyrighted content, contact the author directly.

UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island
FACULTY SENATE
BILL
Adopted by the Faculty Senate

TO: President Robert L. Carothers
FROM: Chairperson of the Faculty Senate

1. The attached BILL, titled The Three Hundred and Forty-Second Report of the Curricular Affairs Committee, 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 December 12, 1996.
4. After considering this bill, will you please indicate your approval or disapproval. Return the original or forward it to the Board of Governors, completing the appropriate endorsement below.
5. In accordance with Section 10, paragraph 4 of the Senate's By-Laws, this bill will become effective January 2, 1997, 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 Governors for their approval; or (4) the University Faculty petitions for a referendum. If the bill is forwarded to the Board of Governors, it will not become effective until approved by the Board.

December 13, 1996
(date)

James G. Kowalski
James G. Kowalski
Chairperson of the Faculty Senate

ENDORSEMENT

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

Returned.

- a. Approved .
- b. Approved subject to final approval by Board of Governors _____.
- c. Disapproved _____.

12 / 18 / 96
(date)

Robert L. Carothers
President

UNIVERSITY OF RHODE ISLAND
Kingston, Rhode Island

FACULTY SENATE

November 18, 1996

Faculty Senate Curricular Affairs Committee
Three Hundred and Forty-Second Report

At the November 4, 1996 meeting of the Curricular Affairs Committee the following matters were considered and are now presented to the Faculty Senate.

S E C T I O N I

Informational Matters

A. College of Arts and Sciences

Department of English - College Writing Program

ADD: WRT 210X Writing Studio (I and II, 3)
Semi-independent work in writing. Tutorials, workshops and seminar-style sessions leading to the creation of a portfolio of academic writing. Emphasizes the rhetoric of academic writing. (Studio) Pre: 3 writing intensive general education courses. Staff

B. College of Resource Development

1. Department of Geology

a. CHANGE: Description for the following courses:

- 1) GEL 100 Environmental Geology (I and II, 3) Geologic processes, how they affect people, and vice versa; geologic hazards, earthquake impact, shoreline development, offshore oil, waste disposal, water, energy and other resources, climate change. (Lec. 3) Cain and Staff (N)
- 2) GEL 277 Coastal Geologic Environments (II, 3) Geologic process in coastal environments such as barriers, lagoons, estuaries, bays, and rocky headlands. Impact of coastal geologic hazards such as hurricanes, winter storms, and sea-level rise. Response of people to hazards. Field trips, small-group project required. (Lec. 3) Pre: 103. Boothroyd

b. CHANGE: Title and description for the following courses:

- 1) GEL 103 Understanding the Earth (I and II, 4) Processes operating within and upon the earth. Relationship of plate tectonics to volcanism, earthquakes, and mountain building. Development and modification of landscapes by rivers, glaciers, wind, waves, and ground water. Environmental implications of geologic processes. (Lec. 3, Lab. 2) Cain, Fastovsky, or Hermes (N)
- 2) GEL 210 Landforms: Origin and Evolution (II, 4) Development, distribution, and geologic significance of landforms produced by rivers, glaciers, coastal processes, weathering, and other geomorphic agents. Interpretation of landforms through field studies, topographic maps, and aerial photographs. (Lec. 3, Lab. 2) Pre: 103 or permission of instructor. Veeger
- 3) GEL 240 Prehistoric Life (II, 4) The history of life, from its origins, to the first multicellular animals, to humans. Special emphasis on the origin of fishes, birds, mammals, and humans. (Lec. 3, Lab. 2) Pre: 102 or 103 or ZOO 111 or BIO 102 or permission of the instructor. Offered in even-numbered years. Fastovsky
- 4) GEL 301 Earth's Depleting Resources (I, 3) Origin, distribution, extraction, and importance of various non-renewable resources: energy sources, metals, building and industrial materials, water. Strategic materials, their world distribution and role in world affairs. (Lec. 3) Pre: 103 or permission of instructor. Cain
- 5) GEL 320 Earth Materials (I, 4) Hand-sample identification and characterization of minerals and rocks, including crystallography, composition, classification, origin, and relationship to geological occurrence; also includes aspects of soil-forming minerals, ore deposits, and other mineral resources. (Lec. 2, Lab. 4) Pre: 103, credit or concurrent enrollment in CHM 101 or 103. Hermes

- c. CHANGE: Title, description and prerequisite for GEL 321:

GEL 321 Rocks and Geologic Processes (II, 4)
The study of igneous and metamorphic processes related to plate tectonics, and the interpretation of Earth history and events from features preserved in rocks. Application of the polarizing microscope to the study of rocks in thin section, combined with geochemical and phase equilibria approaches. Introduction to computer modeling of igneous and metamorphic processes. (Lec. 2, Lab. 4) Pre: 320. Hermes

- d. CHANGE: Title for GEL 370 to "Structure of the Earth" and prerequisite to "Pre: 103, 203, PHY 213 and 285 or 111 and 185 or permission of instructor."

2. Department of Plant Sciences

- a. ADD: The following temporary courses:

- 1) LAR 350X (or PLS 350X) The Control and Management of Flowering (II, 3) Reproductive ecology and physiology of flowering plants. Bud differentiation through pollination and effects of water, nutrient and other environmental parameters. Application through creation of flower show display. (Lec. 1, Lab. 4) Pre: BOT 111 or BIO 101 and permission of instructor. Gordon
- 2) PLS 222X Ecology of the Home Landscape (II, 3) Basics of home gardening with minimal environmental impact including maintenance of the trees, shrubs, lawns, flowers, vegetables, native and invasive plants, composting, water quality and wildlife and pest management. (Lec. 2, Lab. 2) Casagrande and Maynard

- b. CHANGE: Description and prerequisite for PLS 210:

PLS 210 Plant Protection Practicum (I, 1)
Introduction to practical aspects of plant protection, concentrating on field diagnostic techniques and development of analytical and observation skills. Diagnostics are primarily an interactive field activity, supplemented by microscopy, report writing and oral presentations. (Practicum) Pre: prior or concurrent enrollment in 200 or permission of instructor. Englander

* * * * *

S E C T I O N II

Curricular Matters Which Require Confirmation by the Faculty Senate

College of Resource Development

1. Department of Geology

CHANGE: Geophysics Option for the B.S. degree in Geology by deleting the requirement of GEL 487.

2. Department of Plant Sciences

ADD: PLS 222 Ecology of the Home Landscape (II, 3) Basics of home gardening with minimal environmental impact including maintenance of the trees, shrubs, laws, flowers, vegetables, native and invasive plants, composting, water quality and wildlife and pest management. (Lec. 2, Lab. 2) Casagrande and Maynard

* * * * *

S E C T I O N III

Joint Report of the Curricular Affairs Committee and Graduate Council on 400-Level Courses.

At the November 4, 1996 meeting of the Curricular Affairs Committee and the November 15, 1996 meeting of the Graduate Council, the following matters were considered and are now presented to the Faculty Senate.

A. Informational Matters

College of Resource Development

a. Department of Geology

1) CHANGE: Title, description and prerequisite for GEL 450:

GEL 450 Introduction to Sedimentary Geology (I, 4) Principles underlying formation and composition of lithofacies and sedimentary environments. Methods, procedures, and techniques used to study sedimentary processes, depositional environments, sediment and rock sequences and paleogeography. (Lec. 3, Lab. 2) Pre: graduate or advanced undergraduate standing in environmental, resource or engineering major. Boothroyd

- 2) CHANGE: Description and prerequisite for GEL 465:

GEL 465 Introduction to Geophysics (I, 3)
Physical properties of earth and the application of geophysical methods to explore the earth's interior for natural resources. Introductory interpretation of gravity, magnetic, seismic and radiometric surveys. (Lec. 2, Lab. 2) Pre: 103, PHY 112, MTH 132. Frohlich

- 3) CHANGE: Title and description for GEL 468:

GEL 468 Ground-Water Chemistry (I, 4)
Introduction to the chemical processes controlling water chemistry in low temperature environments. Chemical weathering, ion exchange, redox, mineral equilibrium, isotopes and chemical modeling of aqueous systems. (Lec. 3, Lab. 2) Pre: CHM 101, 102, 112, 114; GEL 103. Offered in odd-numbered years. Veeger

- 4) CHANGE: Description for GEL 488:

GEL 488 Geological Evolution of North America (II, 4) The evolution of the major sedimentary basins in North America is presented within a tectonic framework. Regional paleoenvironments and paleogeography through time are reconstructed from faunas and facies. Ten day field trip. (Lec. 3, Lab. 2) Pre: 450 or permission of instructor. Fastovsky

b. Department of Plant Sciences

ADD: The following temporary courses:

- *a) PLS 407X Environmental Education: Theory and Experiential Learning (II, 3) Exploration of environmental education from a theoretical and experiential perspective. Seven weeks of lecture/discussion and seven weeks of training and teaching in an on-campus environmental education program. (Lec. and Practicum) Pre: NRS 100, 212, and PLS 200 or permission of instructor. Not for graduate credit. Kinigstein

* No action by Graduate Council. Not for graduate credit.

- *b) PLS 478X Science/Math Investigative Learning Experience Field Project (II, 1) Develop and present hands-on field science exercises for data collection/interpretation and presentation of solutions to environmental problems for annual RI-SMILE program Elementary Outdoor Science weekend at Alton Jones. Requires all-weather work and interest in mentoring minority children in science/math. (Practicum) Pre: permission of instructor. Not for graduate credit. Englander

c. Department of Natural Resource Science

ADD: NRS 440X Ecosystem Processes in Land and Water Management (II, 3) Processes affecting the flows of energy, water, mass and nutrients in terrestrial and aquatic ecosystems, emphasizing linkages between ecosystems and management implications. (Lec. 3) Pre: ZOO 262; CHM 101 or 103; or permission of instructor. Compton

B. Curricular Matters Which Require Confirmation by the Faculty Senate

College of Resource Development

a. Department of Geology

DELETE: GEL 487 Quantitative Geology (II, 3)

b. Department of Plant Sciences

ADD: PLS 407 Environmental Education: Theory and Experiential Learning (II, 3) Exploration of environmental education from a theoretical and experiential perspective. Seven weeks of lecture/discussion and seven weeks of training and teaching in an on-campus environmental education program. (Lec. and Practicum) Pre: NRS 100, 212, and PLS 200 or permission of instructor. Kinigstein

c. Department of Natural Resource Science

ADD: NRS 440 Ecosystem Processes in Land and Water Management (II, 3) Processes affecting the flows of energy, water, mass and nutrients in terrestrial and aquatic ecosystems, emphasizing linkages between ecosystems and management implications. (Lec. 3) Pre: ZOO 262; CHM 101 or 103; or permission of instructor. Compton

* No action by Graduate Council. Not for graduate credit.

December 2, 1996

A D D E N D U M
to the Faculty Senate Curricular Affairs Committee
Three Hundred and Forty-Second Report

Joint Report of the Curricular Affairs Committee and Graduate Council on 400-Level Temporary Courses.

At the November 15, 1996 meeting of the Graduate Council and the December 2, 1996 meeting of the Curricular Affairs Committee, the following temporary courses were considered and are now presented to the Faculty Senate for information.

A. College of Arts and Sciences

Department of Biochemistry, Microbiology and Molecular Genetics

ADD: MIC 444X Public Health Practicum in Infectious Disease Control (II, 3) Principles of and practical experience in prevention and control of emerging infectious diseases. (Practicum) Pre: BIO 101 or equivalent or permission of instructor. Mather and Andrade

B. College of Resource Development

Department of Natural Resources Science

*ADD: NRS 497X Outreach Activities in Watershed Management (II, 1) This seminar explores outreach applications in coastal watershed management. Topics include: management applications for geographic information systems, settings and strategies for municipal watershed pollution protection, and opportunities in wastewater management. Guest lectures, discussions. (Seminar) Pre: permission of instructor. Not for graduate credit. Gold

* No action by Graduate Council. Not for graduate credit.