

Faculty Senate

HIGHLAND HEIGHTS KY 41099 859-572-6400

FACULTY SENATE MEETING

December 11, 2002

LUNCH WILL BE SERVED AT 12:00

Meeting begins at approximately 1:00 PM

UC Ballroom

AGENDA

Call to Order, Adoption of Agenda

Approval of Minutes – November 25, 2002 Meeting

Guests

James Votruba-President

Rogers Redding-Provost and VP for Academic Affairs

Officer Reports

- | | |
|-------------------|-------------------|
| • President | Steven Weiss |
| • Vice-President | Perilou Goddard |
| • Secretary | Carol Bredemeyer |
| • Parliamentarian | Ed Brewer |
| • SGA Liaison | Burhan Mohamedali |

Committee Reports

- | | |
|-------------------------|-------------|
| • Professional Concerns | Chuck Frank |
|-------------------------|-------------|

Voting Items:

- Amendment to the Faculty Policy and Procedures Manual—Retirement Incentive Program

- | | |
|--------------|----------|
| • Curriculum | Ron Shaw |
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Voting Items:

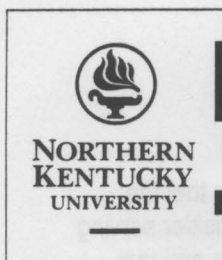
- BS in Environmental Science
<http://access.nku.edu/ucc/ucc/2001/appendixclist.asp?course=Environmental+Science>

- | | |
|------------|-----------------|
| • Benefits | Diane Gronefeld |
| • Budget | Dennis Lye |

New Business

Announcements

Adjourn



Faculty Senate

HIGHLAND HEIGHTS KY 41099 859-572-6400

FACULTY SENATE MEETING December 11, 2002

"The test and the use of man's education is that he finds pleasure
in the exercise of his mind. -Jacques Barzun

PRESENT: Scottie Barty, Carol Bredemeyer (Sec'y), John Filaseta, Chuck Frank (Prof. Concerns), Perilou Goddard (VP), Diane Gronefeld (Benefits), Barbara Houghton, Tom Leech, Alar Lipping, Dennis Lye (Budget), Cyndi McDaniel, Maggie McGatha, Melissa Moon, Terry Pence, Holly Riffe, Ron Shaw, Cady Short-Thompson, Sudesh Duggal (for Vijay Raghavan), Jim Thomas, Steve Weiss (Pres.), Claudia Zaher

GUESTS: Jim Votruba, Gail Wells, Rogers Redding, Phil McCartney, Mary Huening, Annie Dollins

The meeting, which was preceded by lunch, was called to order at 1:01pm.

President Weiss reported that after discussion with the Executive Committee, it was decided to commemorate President Votruba's five years of service by planting a tree next spring (type of tree and location still to be determined).

The minutes of the November 25 meeting were approved.

Guests:

President Votruba thanked the Senate for the gift of the tree. As far as the state budget goes, the Governor has asked postsecondary education to prepare for cuts of 2.6% in the current fiscal year and 5.4% in 2003-04 (NKU's share is 1.79% of \$731,400 for FY 2003 and 3.7% or \$1,611,200 for FY 2004). NKU should also gain some benchmark funding. Tuition will probably have to go up substantially. We will continue to look at ways to increase revenues.

The VVV conversations have been completed. President Votruba noted that the tone of the comments received was very positive. There was very little "stop doing ...". We should take pride in what we are doing. The VVV panel will have a retreat after commencement; they will be joined by the VPs and the Executive Team in coming up with strategic priorities. The administration will then develop a 5 year plan which includes measurable goals and which should go to the Board of Regents in March.

Provost Redding emphasized the positive feedback about faculty during the VVV process. His next big project will be a discussion about the realignment of colleges. He has been floating a plan as a starting point for conversations, which will be held in early February. A Task Force with faculty representation will help develop a plan, which should go to the President by the end of the academic year. He emphasized that the plan being floated is not THE plan – feedback is welcome. In response to a question, he said that the presence of the community college should not affect how we are organized.

OFFICER REPORTS

President: Steve wished everyone a restful and healthy holiday break. He reminded everyone that the election of officers for the 2003-04 Senate would be held in January and asked everyone to consider serving on the Executive Committee. He also noted that Chuck Frank will be on sabbatical in the spring and that Phil McCartney will take over as chair of the Professional Concerns Committee. Steve also hopes to have a motion for the January meeting dealing with a liaison with Student Government.

Vice-President: No Report

Secretary: Carol reported that COSFL will be participating in the interviews of the candidates for CPE President on December 18.

COMMITTEE REPORTS

Professional Concerns (Chuck Frank): An amendment to the Faculty Handbook to delete the Retirement Incentive Program (and passed the committee unanimously) PASSED. Handbook amendments must also be approved by the Board of Regents.

Curriculum (Ron Shaw):

The Bachelor of Science in Environmental Science, a major program change, PASSED with 2 abstentions.

The Bachelor of Organizational Leadership (curricular and name change) PASSED with 2 abstentions.

Benefits (Diane Gronefeld): No report

Budget (Dennis Lye): No report

There was no new business. President Weiss asked that we wish Rita Thomas happy holiday wishes and thanks for the home baked cookies.

The meeting adjourned at 1:47pm.

Respectfully submitted,

Carol Bredemeyer, Secretary

Voting Item for PCC—December 11, 2002

Proposed Amendment

Northern Kentucky University
Faculty Policy and Procedures Manual

Part 1- Section XI.D
RETIREMENT INCENTIVE PROGRAM
(Pages 45-53)

Justification:

The administration has chosen to discontinue the Retirement Incentive Program. The Handbook should not describe a benefit that is no longer available.

Voting Item for UCC-December 11, 2002

Environmental Science at Northern Kentucky University

WHAT IS ENVIRONMENTAL SCIENCE?

Environmental Science is the discipline that focuses on understanding the physical, chemical and biological principles underlying the structure and function of our environment.

PROGRAM DESCRIPTION

The Environmental Science Program at Northern Kentucky University is an interdisciplinary program resulting in a Bachelor of Sciences (B.S.) degree in Environmental Science. The program was designed and is operated by a director and a committee consisting of representative faculty members from the departments of Biology, Chemistry, and Physics and Geology. The curriculum provides those interested in environmental careers with a strong background in Biology, Chemistry, Geology, Mathematics, and Physics. This multi-disciplinary background is combined with upper division requirements that integrate the disciplines and emphasize the scientific study of environmental issues from a research and career oriented perspective. The inclusion of research or internships/externships enables students to gain the expertise and experience to monitor, analyze, and contribute to the solution of current environmental problems. These opportunities are provided by faculty from the Biology, Chemistry, Physics and Geology departments, the Center for Integrative Natural Science and Mathematics (CINSAM), the Environmental Resource Management Center (ERMC), industry and government agencies. Students graduating with a B.S. in Environmental Science are well equipped to join the ranks of other environmental professionals working with local, state and federal agencies, consulting firms, or non-profit organizations. They are also qualified to become part of a research team or pursue graduate study of environmental sciences.

PROGRAM MISSION

The mission of the Environmental Sciences Program at Northern Kentucky University is to provide an interdisciplinary curriculum that fosters student interest in Environmental Sciences; exposes them to the many career options, areas of specialization and opportunities available in this diverse field; and helps them to develop the decision making skills necessary for a successful career.

PROGRAM GOALS:

BIOLOGY – to provide students with a strong biology background combined with an upper division course of study that emphasizes the environmental aspects of biology such as Limnology, Plant Ecology, Conservation Biology, Tropical Ecology, and Microbial Ecology.

CHEMISTRY - to provide a strong chemistry background combined with an upper division course of study that emphasizes the importance of analytical and environmental chemistry as a means to study, understand, and resolve environmental pollution problems.

GEOLOGY – to provide an excellent background in geology and also offer advanced but relevant courses that will prepare students for successful careers as professionals, researchers, policy makers and stakeholders in environmental geology.

B.S. Environmental Science Curriculum:

Area	Course Number	Course Name	Cr. Hrs.
BIO	150-150L-150R	Introduction to Biology I	5
BIO	151-151L-151R	Introduction to Biology II	5
BIO	304	General Ecology	3
BIO	306	Ecology Laboratory	2
			15
CHE	120-120L	General Chemistry I	4
CHE	121-121L	General Chemistry II	4
CHE	310-310L	Organic Chemistry I	4
CHE	311	Organic Chemistry II	3
CHE	440	Environmental Chemistry	3
			18
ENV	110	Environmental Science and Issues	3
ENV	240	Information Resources in Env. Sci.	2
ENV	340	Principles of Environmental Research	2
^a —	— ₉₆	Internship/Externship	^b 3
OR			
^a —	492	Directed Research	^b 3
ENV	400	Environmental Science Seminar	1
			11
GLY	120	This Dangerous Earth	3
GLY	340	Intro. to Environmental Geoscience	3
GLY	450	Hydrogeology with Laboratory	4
			10
MAT	120	Calculus I	5
MAT	314	Design and Analysis of Experiments I	3
			8
PHY	211	General Physics with Laboratory I	5
PHY	213	General Physics with Laboratory II	5
			10

To meet the graduation requirements of 128 semester hours beyond major and general studies requirements, students are encouraged to choose courses from the following list of electives:

ANT 345 Environmental Anthropology
BIO 302-302L General Microbiology with lab
BIO 410 Conservation Biology
BIO 422-422L Limnology
BIO 474 Microbial Ecology
CHE 340-340L Analytical Chemistry
ENG 347 Technical Writing
ENV 350 Environmental Toxicology
ENV 380 Field and Laboratory Methods in Environmental Science
ENV 494 Topics: Environmental Science
GEO 108 Physical Geography
GEO 306 Environmental Resource Management
GEO 318 Geographic Information Systems
GLY 315 Structural Geology
GLY 330 Geomorphology
PSC 403 Public Policy

^aCourses eligible for Internship/Externship **OR** Directed Research credit include: BIO 492, BIO 496, CHE 492, ENV 396, ENV 492, GLY 392, GLY 492, or GLY 496. The purpose of this requirement is to give students a practical learning experience outside the academic classroom and laboratory.

^bThese courses are offered in credit hours ranging from 1-6. A total of 3 credit hours is required for completion of a B.S. in Environmental Sciences, but those hours can be completed over the course of more than one semester.

Environmental Science Curriculum adds to 72 semester hours

- 10 of 72 qualify as science/math general studies requirements
- students will need only 39 additional hours to complete general studies requirements

New Courses Proposed in Environmental Science

ENV 110 Introduction to Environmental Sciences and Issues. (3,0,3) Basic principles of Environmental Science and Environmental Issues. Biological and physical components of ecosystems. Impact of resource development, management and pollution on ecosystems and the biotic community. Economic, political and legal aspects of environmental decision making.

ENV 240 Information Resources (2,0,2) Methodology of information retrieval and presentation; introduction to scientific literature; independent library work. A course for the sophomore year. PREREQ: BIO 151, CHE 121, ENV 110.

ENV 340 Principles of Research. (2,0,2) Modern scientific methodology including research problem selection, experimental design, survey of scientific literature and development of a research proposal; organization and presentation of scientific information. PREREQ: ENV 240.

ENV 350 Environmental Toxicology. (3,0,3) Properties of toxic chemicals; their distribution and transformation in the environment; environmental forces that affect toxicant breakdown, movement and accumulation. Sources and occurrence of major toxicants. Risk assessment. PREREQ: BIO 304, BIO 306, CHE 311, ENV 340.

ENV 380 Field and Laboratory Methods (0,4,2) Methods of data and sample collection and analysis most commonly used in environmental sciences. PREREQ: ENV 340.

ENV 396 Internship in Environmental Science (3 credit hours) Experiential learning at institutions, universities, or businesses specializing in environmental work. May be repeated once for new internship project; up to 6 semester hours may be earned in this course. For students majoring in environmental sciences. PREREQ: ENV 340 and permission of Environmental Sciences Program Director.

ENV 400 Seminar. (1,0,1) Discussion and analysis of current environmental problems. For juniors and seniors majoring in environmental science.

ENV 492 Directed Research. (1-3 credit hours) Development and completion of a research project chosen in conjunction with instructor and approval of Environmental Science Program Director. May be repeated for up to 6 credit hours. PREREQ: ENV 340 and permission of instructor and Environmental Sciences Program Director.

ENV 494 Topics: Environmental Science. (1-3 credit hours) In depth study of specialized subject matter. May be repeated for up to total of 6 credit hours when topic varies. PREREQ: Junior or senior standing in environmental science or permission of instructor.