

<b>Fiscal Unit/Academic Org</b>	Sch of Enviro&Natural Res - D1173
<b>Administering College/Academic Group</b>	Food, Agric & Environ Science
<b>Co-administering College/Academic Group</b>	
<b>Semester Conversion Designation</b>	Terminated (i.e., final step which permanently eliminates the program, no new admissions shall be possible, include effective date for termination)
<b>Rationale</b>	This minor, which carried a heavy course load because of its broad scope, is being replaced in semesters by several more specific minors: FFW-MN, SOCENV-MN, and ENVSCI-MN. These more specific minors parallel the existing majors in the School.
<b>Current Program/Plan Name</b>	Natural Resources Management Minor
<b>Program/Plan Code Abbreviation</b>	NATRESM-MN
<b>Current Degree Title</b>	

## Attachments

- SENRcoverLetterFinal.pdf: SENR cover letter  
*(Letter from Program-offering Unit. Owner: Hitzhusen, Gregory Ernest)*
- CCI Subcommittee Chair Letter NatResManagMinorTerm.doc: CCI Subcommittee Chair Letter  
*(Other Supporting Documentation. Owner: Vankeerbergen, Bernadette Chantal)*
- MinorsTransPlan.docx: ENR minors transition plan  
*(Transition Policy. Owner: Hitzhusen, Gregory Ernest)*

## Comments

- cover letter and now "terminated programs rationale" document explains termination request; no new students will be admitted effective Spring 2012, and minor will be terminated Summer 2014, when all students in the minor should be complete.  
  
 transition plan has been added that explains how students may transition in this minor. *(by Hitzhusen, Gregory Ernest on 07/22/2011 02:30 PM)*
- Feedback sent to Assistant Dean Pfister. *(by Vankeerbergen, Bernadette Chantal on 07/18/2011 03:37 PM)*

## Workflow Information

Status	User(s)	Date/Time	Step
Submitted	Hitzhusen, Gregory Ernest	11/27/2010 12:11 AM	Submitted for Approval
Revision Requested	Hitzhusen, Gregory Ernest	12/10/2010 02:49 PM	Unit Approval
Submitted	Hitzhusen, Gregory Ernest	12/12/2010 04:21 PM	Submitted for Approval
Approved	Hitzhusen, Gregory Ernest	12/12/2010 04:22 PM	Unit Approval
Approved	Pfister, Jill Ann	01/14/2011 04:57 PM	SubCollege Approval
Approved	Pfister, Jill Ann	01/14/2011 04:57 PM	College Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	03/01/2011 09:20 AM	ASCCAO Approval
Submitted	Hitzhusen, Gregory Ernest	06/05/2011 07:00 PM	Submitted for Approval
Approved	Hitzhusen, Gregory Ernest	06/05/2011 07:00 PM	Unit Approval
Approved	Pfister, Jill Ann	06/06/2011 06:20 AM	SubCollege Approval
Approved	Pfister, Jill Ann	06/07/2011 06:21 PM	College Approval
Revision Requested	Vankeerbergen, Bernadette Chantal	07/18/2011 03:37 PM	ASCCAO Approval
Submitted	Hitzhusen, Gregory Ernest	07/22/2011 02:30 PM	Submitted for Approval
Approved	Hitzhusen, Gregory Ernest	07/22/2011 02:31 PM	Unit Approval
Approved	Pfister, Jill Ann	07/22/2011 03:07 PM	SubCollege Approval
Approved	Pfister, Jill Ann	07/22/2011 03:12 PM	College Approval
Pending Approval	Nolen, Dawn Jenkins, Mary Ellen Bigler Meyers, Catherine Anne Vankeerbergen, Bernadette Chantal Hanlin, Deborah Kay	07/22/2011 03:13 PM	ASCCAO Approval



**Department of English**

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To: Larry Krissek, CCI Chair  
From: James Fredal, CCI Sciences Subcommittee Chair  
RE: Termination of Natural Resources Management Minor

Date: Feb 21, 2011

Larry:

The Sciences subcommittee of the CCI met to approve the termination of the NRM Minor. This minor is being replaced by three more specifically targeted minors: Environmental Science, Forest and Fisheries Wildlife, and Society and Environmental Issues. A fourth Minor, Sustainable Agriculture, will also be added to the SENR minor offerings. The CCI Sciences subcommittee felt it would be unwise to require SENR to continue offering a minor that they will no longer be offering, and so we unanimously approved the termination of this offering and forward this proposal to the full CCI.

Thank you.

Jim

Cc: Bernadette Vankeerbergen



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To: The Office of Academic Affairs

From: Ron Hendrick, Professor and Director

Date: November 23, 2010

Re: School of Environment and Natural Resources Semester Program Proposals

The faculty and staff of the School of Environment and Natural Resources (SENR) have completed a thorough review and revision of our undergraduate and graduate curricula in preparation for the conversion to semesters, and the SENR faculty has voted to recommend that the Office of Academic Affairs approve the attached semester curriculum proposals. In addition to the work of several curricular sub-committees within the School, the SENR Academic Affairs Committee reviewed and approved all semester conversion plans for undergraduate programs, and the SENR Graduate Studies Committee reviewed and approved plans for the MS, PhD, and MENR graduate programs. SENR faculty approved these semester plans by unanimous vote (25 in favor, 0 opposed, 0 abstentions) on April 16, 2010; subsequent minor revisions and updates to the plans have been approved by SENR curriculum committees as appropriate.

The following outline details the SENR programs proposed for semester: A) conversion, B) new approval, C) deactivation, and D) termination.

**A. Existing SENR programs to be converted to semesters include:**

(Note: Rural Sociology programs included below became part of SENR in 2010; program degree codes are in parentheses following program titles; specialization three-letter codes are in parentheses following specializations.)

**Four Undergraduate Majors:**

- 1) Environmental Science (ENVSCI-BS): *modified from four to five specializations representing existing focal areas in the major, including Ecosystem Restoration (ECR), Water Science (WTR), Environmental Molecular Science (EMS), Soil Resources and Environmental Sustainability (SOI), and Environmental Science Education (ESE).*
- 2) Forestry, Fisheries, and Wildlife (FFW-BS): *converted as **semester equivalent**, with appropriate revisions to maintain certification and double-certification options uniquely available (compared with other programs nationally) to students in this major, including Society of American Foresters (SAF) accreditation and The Wildlife Society (TWS) and American Fisheries Society (AFS) certifications. Three-letter specialization codes for FFW specializations (FAS, FOR, FWM, UFW, WFS, WPV, WLS) are detailed in the comment field of the FFW-BS program request.*
- 3) Environmental Policy and Decision Making (ENVPDM-BS): *modified in title (previously Environmental Policy and Management (EPM)) and designating three specializations based on existing focal areas in the major: Climate Change (CCP), International Issues (IIP), and Water Conservation (WCP).*
- 4) Natural Resource Management (NATRESM-BS): *modified in title (previously Parks, Recreation & Tourism (PRT)) and designating three specializations based on existing and emerging focal areas (made possible by the addition of Rural Sociology faculty to SENR in 2010) in the major: Parks and Recreation Management (PRM), Natural Resource Administration and Management (NRA), and Sustainable Agriculture (SAG), with additional focus-area options (non-transcript) aligned with employment opportunities and existing programs in the School: Forestry, Fisheries, Wildlife, Soil and Water, Visitor Services, and Zoo Science and Management.*

**Two Undergraduate Minors:**

- 1) Soil Resources (SOILSCI-MN): *converted as **semester equivalent**.*
- 2) Rural Sociology (RURLSOC-MN): *converted as **semester equivalent**.*

### **Two Graduate Degree Programs:**

- 1) Master of Science (ENVNATR-MS): converted as **semester equivalent**
- 2) Doctor of Philosophy (ENVNATR-PH): converted as **semester equivalent**

The Environment and Natural Resources Graduate Program awards both MS and PhD degrees in seven areas of specialty (all converted as **semester equivalents**):

- Ecological Restoration (ERS)
- Ecosystem Science (ECS)
- Environmental Social Sciences (ESS)
- Rural Sociology (RS)
- Fisheries and Wildlife Science (FWS)
- Forest Science (FS)
- Soil Science (SSC)

### **Three Graduate Minors (all converted as semester equivalents):**

- 1) Environment and Natural Resources (ENVNATR-GM)
- 2) Soil Science (SOILSCI-GM)
- 3) Rural Sociology (RURLSOC-GM)

### **One Professional Degree Program (converted as semester equivalent):**

- 1) Master of Environment and Natural Resources (ENVNAT-MEN)

**Three Combined Programs** (all combined programs will be converted as **semester equivalents**, and impose no additional requirements or provisions beyond the requirements of the combined degrees. As such, and abiding all college and university rules of the degree-granting partners, forms for **these combined degrees are not included in these SENR semester electronic program proposals**):

- 1) Combined BS/MS
- 2) Combined BS/MENR
- 3) Dual Degree Program with the John Glenn School of Public Affairs: MS/MAPPM (Master of Arts in Public Policy and Management) or MS/MPA (Master of Public Administration)

### **B. New SENR semester programs proposed for approval by OAA:**

Four undergraduate minors have been developed for semesters. Three minors correspond with existing majors in the School; these three minors collectively replace the Natural Resources Management minor. The fourth minor, Sustainable Agriculture, has been developed through the collaboration of Rural Sociology and Soils faculty, together with colleagues from across the College of Food, Agricultural and Environmental Sciences.

### **Undergraduate Minors:**

- 1) Environmental Science (ENVSCI-MN)
- 2) Forestry, Fisheries & Wildlife (FFW-MN)
- 3) Society and Environmental Issues (SOCENV-MN)
- 4) Sustainable Agriculture (SUSTAGR-MN)

### **C. SENR programs to be deactivated:**

Each listed below is an old program name that has been replaced by current programs listed above, either through revised titles (1-3), or being subsumed as a specialization into the ENR MS and PhD (4-9). With the exception of Rural Sociology, which joined SENR in 2010, each of these changes were effected three or more years ago.

- 1) Fisheries and Wildlife Management (FWMGT-BS)
- 2) Forestry and Urban Forestry (FORUF-BS)
- 3) Human Dimensions in Natural Resources (HDNR-BS)
- 4) Natural Resources (NATRES-PH)
- 5) Natural Resources (NATRES-MS)
- 6) Rural Sociology (RURLSOC-MS)
- 7) Rural Sociology (RURLSOC-PH)

- 8) Soil Science (SOILSCI-PH)
- 9) Soil Science (SOILSCI-MS)

**D. SENR programs to be terminated:**

1) Natural Resources Management Minor (NATRESM-MN): this minor is being terminated because of its broad scope and is being replaced by the more specific new minors listed above that correspond to existing majors.

SENR faculty and staff have worked tirelessly to develop these plans, engaging in a thorough and collegial process. Two faculty retreats devoted significant time to semester conversion plans, and all faculty meetings beginning in the fall of 2009 included updates and discussion about semester conversion planning. Dr. Greg Hitzhusen was appointed by the School as a point person to facilitate Q2S planning, participated in regular UCAT Q2S workshops with colleagues from across the university, and established a Carmen site to share and organize Q2S working documents and resources. In addition to the committees mentioned above, several new committees led the curriculum development process, including four faculty working groups formed within each of the majors, and a core curriculum committee of a dozen faculty representing all of the specializations across the four undergraduate majors and including myself and the chairs of the Grad Studies Committee and Academic Affairs Committee. These groups reviewed all recent SENR curriculum revisions, researched semester programs of peer institutions, and generated creative proposals of how to improve and better integrate our multi-disciplinary curriculum. Curriculum mapping revealed gaps and overlap in our curriculum; to match our semester courses to our learning goals, at least nine new courses have been proposed, several others have been merged, and at least 75 courses will be discontinued. As a previous director of a Natural Resources program that underwent semester conversion at the University of Georgia, I provided guidance to revise SENR's curricular offerings around our core strengths, guided by learning outcome goals and encouraging options beyond existing structures and traditions. Several SENR faculty and staff participated in the College of Food, Agricultural, and Environmental Sciences bi-weekly Q2S Implementation Committee meetings starting in November 2009, sharing planning ideas with Q2S point people from across the College.

We also based our semester curriculum development on several faculty-led research efforts. Our social science faculty created a survey of environmental curriculum interests and career goals for CFAES, SENR and OSU undergraduate student samples, and results from over 1300 respondents (published results now *in press*) informed our vision of student interests, needs, and knowledge about the environmental topics addressed in SENR programs. We also completed phone interviews with SENR alumni and stakeholders to examine curricular elements most valuable to graduates and employers. And I conducted exit interviews of SENR students to better understand their experience in SENR programs. These measures and the efforts mentioned above collectively led the faculty to propose an expanded core of courses to help SENR students better integrate natural and social science elements of the curriculum, and to modify the majors as described above. The core curriculum committee will remain intact to monitor the quality and success of the semester curriculum, and make revisions as appropriate into the future.

This proposed curriculum represents welcome changes that increase the efficiency and complementarity of SENR programs, maximizing the expertise of our faculty and improving opportunities for SENR students to prepare for graduate education and succeed in their professional careers. I have also attached a commentary detailing SENR's preliminary assessment plans for semester programs. These program proposals reflect the outstanding collaborative efforts of SENR faculty to prepare for the semester transition. I heartily recommend approval of these plans, and appreciate OAA's ongoing efforts to strengthen our curriculum in OSU's transition to semesters.



Ronald L. Hendrick, Ph.D.  
Director, SENR

## **School of Environment and Natural Resources** **Transition Plan for ENR Minors**

This transition plan covers all existing ENR minors, including:

**Soil Science Minor** (converted)

**Rural Sociology Minor** (converted)

**Natural Resources Management** (terminated\*)

\*The NRM minor is being replaced in semesters by three more specific minors (each corresponding with and derived from the four existing majors in ENR):

- **Forestry, Fisheries and Wildlife Minor** (FFW major)
- **Society and Environmental Issues Minor** (EPDM and NRM majors)
- **Environmental Science Minor** (ES major)

Students in all ENR minors may complete the minor as it was offered in quarters, simply by completing the semester equivalents of the courses they would have completed to meet the requirements of the minor under quarters. Each minor includes a sufficient selection of converting courses to make completion possible; any courses not converted to semesters will simply be unavailable as options starting in Autumn of 2012. There will be no attempt to create bridge courses.

Current students in ENR minors will be contacted before the start of the Autumn 2011 quarter with a list of available semester courses to complete their minor; any courses that will be terminated in semesters will be highlighted with encouragement for interested students to take them in 2011-2012.

Students in the **Natural Resources Management** (NRM) Minor (currently, the minor has 35 students: 21 in FAES, 2 in ASC, 3 in BIO, 1 in BUS, 1 in ENG, 1 in HUM, and 6 in SBS) will have the option of either completing the NRM Minor with semester equivalent courses, or changing their minor to one of the more specific new minors that are replacing the NRM minor. Because these new minors require fewer overall credits than the NRM minor, this may mean that some students working toward an NRM Minor will already have met the requirements of one of the new minors once semesters begin.

Enrollment in the NRM Minor will no longer be allowed starting Summer Term, 2012.