MEMORANDUM

To: University Senate

From: Kay N. Wolf, Chair
Council on Academic Affairs

Date: May 29, 2012

A PROPOSAL FROM THE COUNCIL ON ACADEMIC AFFAIRS TO DEACTIVATE/WITHDRAW DEGREE PROGRAMS IN THE COLLEGE OF ARTS AND SCIENCES, THE COLLEGE OF ENGINEERING, AND THE COLLEGE OF FOOD, AGRICULTURAL AND ENVIRONMENTAL SCIENCES

WHEREAS the semester conversion process provided an opportunity for academic units to review their academic programs, resulting, in selected colleges, in a decision to deactivate (discontinue offering at this time) or withdraw (terminate) graduate degree programs; and

WHEREAS each proposal was developed, reviewed, and approved, within the relevant department/school; was then reviewed/approved by the College within which the unit is located, and endorsed by the Dean; was reviewed/approved by the Graduate Council of the Graduate School when appropriate; was then reviewed/approved by a subcommittee of the Council on Academic Affairs, expanded for additional input/perspectives during the semester conversion; and was then reviewed/approved by the full Council on Academic Affairs; and

WHEREAS the College of Arts and Sciences, based on a recent departmental merger, proposes to deactivate the programs in Plant Cellular and Molecular Biology leading to the Master of Science and Doctor of Philosophy degrees; and

WHEREAS the College of Engineering has determined, based on declining enrollment, to withdraw the program leading to the Bachelor of Science in Geomatics Engineering; and based on no enrollment, to withdraw the programs in Engineering Mechanics leading to the Master of Science and Doctor of Philosophy degrees, and the programs in Civil Engineering, Industrial Engineering, and
Mechanical Engineering leading to the Advanced Professional Degree; and

WHEREAS the College of Food, Agricultural and Environmental Sciences, based on recent structural/programmatic changes within the College, proposes to withdraw the Human and Community Resource Development program leading to the Master of Science degree; the program in Vocational Education leading to the Doctor of Philosophy degree; the programs in Natural Resources leading to the Master of Science and Doctor of Philosophy degrees; and the programs in Soil Science leading to the Master of Science and Doctor of Philosophy degrees; and

WHEREAS the Ohio Board of Regents must now be informed of such actions; and

WHEREAS the proposals were approved by the Council on Academic Affairs at meetings on February 16, 2011, June 29, 2011, and July 28, 2011.

NOW THEREFORE BE IT RESOLVED that the University Senate approve:

the proposals from the College of Arts and Sciences to deactivate the programs in Plant Cellular and Molecular Biology leading to the Master of Science and Doctor of Philosophy degrees;

the proposals from the College of Engineering to withdraw the program leading to the Bachelor of Science in Geomatics Engineering degree; the programs in Engineering Mechanics leading to the Master of Science and Doctor of Philosophy degrees; and the programs in Civil Engineering, Industrial Engineering, and Mechanical Engineering leading to the Advanced Professional degree;

the proposals from the College of Food, Agricultural and Environmental Sciences to withdraw the program in Human and Community Resource Development leading to the Master of Science degree; the program in Vocational Education leading to the Doctor of Philosophy degree; the programs in Natural Resources leading to the Master of Science and Doctor of Philosophy degrees; and the programs in Soil Science leading to the Master of Science and Doctor of Philosophy degrees;

and respectfully request approval from the Board of Trustees.
Fiscal Unit/Academic Org: Plant Cell & Molec Biology - D0380
Administering College/Academic Group: Arts And Sciences
Co-administering College/Academic Group: 
Semester Conversion Designation: Deactivated (i.e., program to be held in abeyance for possible future use, but not to be converted at present time, no new admissions shall be possible until reactivated, include effective date of deactivation)
Rationale: The PCMB-MS degree presently serves as an alternative degree option for students in the PCMB-PhD program. No students are directly admitted into the PCMB-MS program. With the deactivation of the PCMB-PhD program the PCMB-MS is no longer viable.
Current Program/Plan Name: Plant Cellular and Molecular Biology
Program/Plan Code Abbreviation: PCMB-MS
Current Degree Title: Master of Science

Attachments
- PCMB-MS-deactivation[2].pdf: deactivation proposal
  (Letter from Program-offering Unit. Owner: Vaessin, Harald Emil Friedrich)
- PCMB MS and PhD deactivation cover letter.doc: NMS Division of Arts and Sciences cover letter
  (Letter from the College to OAA. Owner: Andereck, Claude David)

Comments

Workflow Information

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June 3, 2011

Dena Myers
Graduate School
250 University Hall
230 North Oval Mall
Campus

Dear Dena:

It is a pleasure to forward to you for your consideration proposals for the deactivation of the Plant Cellular and Molecular Biology (PCMB) MS and PhD programs. The Departments of Molecular Genetics and PCMB have recently merged into a unified Molecular Genetics Department. The Department has decided on a unified graduate program that incorporates a that the existing PCMB programs would be available as a track within the semester version of the Molecular Genetics programs. At the present time there are twenty students in the PCMB PhD. It is anticipated that these students will complete their course requirements and move to the candidacy examination prior to the start of semesters, thus mitigating the need for an extensive transition plan. Deactivation is requested for 2018 to allow sufficient time for students now in the program to complete all requirements for the degree. Similar considerations apply to the MS degree program, to which no students are directly admitted; the twenty students in the doctoral program at present constitute the pool from which MS recipients would come, and they will have completed all course requirements for the MS by the time semester conversion occurs.

If you have any questions, I would be happy to address them.

Sincerely,

David Andereck
Professor of Physics
Associate Dean of Natural and Mathematical Sciences, College of Arts and Sciences
To: Office of Academic Affairs  

From: Anita Hopper, Chair, Department of Molecular Genetics  

Mark Seeger, Associate Chair, Department of Molecular Genetics  

Date: May 24, 2011  

Re: Deactivation of the PCMB MS  

The Department of Plant Cell and Molecular Biology (PCMB) recently merged with the Department of Molecular Genetics (approved by the Board of Trustees, February 2011). A driving force behind this merger was the declining number of faculty within PCMB and the limited number (approximately twenty) of PCMB undergraduate majors. As part of the program and curriculum review for the quarter to semester conversion process the PCMB and Molecular Genetics faculties discussed the future of the PCMB Graduate Program (MS and PhD). These discussions took place within our curriculum committees and combined faculty meetings starting in the 2009/2010 academic year and continuing through Winter Quarter 2011. The consensus that emerged from these discussions was that the unified departments support a single graduate program. This graduate program was modified to incorporate tracks that will guide PhD students in coursework selection reflecting their specific research interests. One of these tracks is focused on plant cellular and molecular biology. Many of the courses utilized by the previous PCMB PhD program now serve as electives within the PCMB track of the new Molecular Genetics PhD program. These modifications to the Molecular Genetics PhD program, including deactivation of the PCMB MS and PhD, were approved by a unanimous vote of the faculty (20-0) at our January 2011 joint faculty meeting. The quarter to semester conversion proposal for the re-envisioned Molecular Genetics PhD program is currently under university review.

Students are not admitted directly into the PCMB Masters degree program. Instead, the MS degree is a potential alternative to students unable, for whatever reason, to finish the PhD Program. Currently, twenty students are enrolled in the PCMB PhD Program. Any of these students will have the opportunity to complete a MS degree following existing PCMB Program and Graduate School Handbook policies. Given that it is rare for a student to complete a MS degree from the PCMB Graduate Program, it is likely that no MS degrees will emerge from this group of twenty students. Since no additional students will be admitted into the PCMB Graduate
Program (the last group of students started in Autumn 2010), the potential pool of MS degree students will not increase. Furthermore, any potential MS student should have completed all core curriculum requirements prior to semester conversion in Summer 2012. No students will be negatively impacted nor their progress to degree completion impeded by the proposed deactivation of the PCMB graduate program or the quarter to semester conversion.

We request that the PCMB MS and PhD Programs be officially deactivated at the conclusion of Summer Semester 2018. This will provide seven additional years for the current group of graduate students to complete their degrees. Since the MS degree is used as a potential alternative to the PhD degree, it is important that the MS option continue as long as the PCMB PhD Program is active.
Fiscal Unit/Academic Org: Plant Cell & Molec Biology - D0380
Administering College/Academic Group: Arts And Sciences
Co-administering College/Academic Group: 
Semester Conversion Designation: Deactivated (i.e., program to be held in abeyance for possible future use, but not to be converted at present time, no new admissions shall be possible until reactivated, include effective date of deactivation)

Rationale: The historically small number of students in PCMB-PhD, and a new developed plant track in the MolGen-PhD program, are the driving force behind the deactivation of the PCMB-PhD program.

Current Program/Plan Name: Plant Cellular and Molecular Biology
Program/Plan Code Abbreviation: PCMB-PH
Current Degree Title: Doctor of Philosophy

Attachments
- PCMB-PhD-deactivation.pdf: deactivation proposal
  (Letter from Program-offering Unit. Owner: Vaessin, Harald Emil Friedrich)
- PCMB MS and PhD deactivation cover letter.doc: NMS Division of Arts and Sciences cover letter
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If you have any questions, I would be happy to address them.

Sincerely,

David Andereck
Professor of Physics
Associate Dean of Natural and Mathematical Sciences, College of Arts and Sciences
To: Office of Academic Affairs
From: Anita Hopper, Chair, Department of Molecular Genetics

Mark Seeger, Associate Chair, Department of Molecular Genetics

Date: May 24, 2011
Re: Deactivation of the PCMB PhD

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Currently there are twenty PhD students within the PCMB graduate program. Two of these students started in the program in Autumn 2010 and three students started in Autumn 2009; no new students will be admitted for the 2011/2012 academic year. All current students will have the opportunity to complete their PCMB PhD or MS degree. Appropriate courses continue to be offered to meet PCMB program requirements. In cases where a course is no longer offered, students are individually advised as to an appropriate substitute by their PhD mentor and advisory committee. Since our PhD students generally complete core curriculum requirements...
and their candidacy exam by the end of the second year, we anticipate that all PCMB graduate students will have achieved post-candidacy status at the time of semester conversion. The individualized nature of graduate student advising and the relatively small number of students involved ensures that the advising of these PCMB graduate students should proceed smoothly. No students will be negatively impacted nor their progress to degree completion impeded by the proposed deactivation of the PCMB graduate program or the quarter to semester conversion.

We request that the PCMB PhD Program be officially deactivated at the conclusion of Summer Semester 2018. This will provide seven years for the current group of graduate students to complete their PhD degrees. The 2018 date would allow the current first year PCMB PhD students a total of eight years to complete their degree requirements, a period of time that should be adequate based on the typical time to degree for the PCMB PhD program.
Date: 9 November 2010

To: Randy Smith  
Vice Provost, Office of Academic Affairs

From: Ed McCaul  
Secretary, College of Engineering Committee on Academy Affairs (CCAA)

Subject: Withdrawal of Engineering Mechanics MS and PhD degrees

In the cover letter accompanying Mechanical Engineering’s BS degree semester proposal K. (Cheena) Srinivasan, Department Chair of Mechanical and Aerospace Engineering, stated that they were withdrawing their MS and PhD degrees in Engineering Mechanics. At CCAA’s 8 November meeting the committee unanimously approved the withdrawal of these degrees and requested that I forward their decision to you for consideration by CAA. If you have any questions concerning this request please let me know.
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Fiscal Unit/Academic Org: Human & Community Resource Dev - D1118
Administering College/Academic Group: Food, Agric & Environ Science
Co-administering College/Academic Group:
Semester Conversion Designation: Terminated (i.e., final step which permanently eliminates the program, no new admissions shall be possible, include effective date for termination)
Rationale:
This graduate program has had negligible enrollment for several years. The one remaining student in the program is being transferred to another MS degree program in the department. Faculty concur that this program should be terminated.
Current Program/Plan Name: Human and Community Resource Development
Program/Plan Code Abbreviation: HCRD-MS
Current Degree Title: Master of Science

Attachments

Comments

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Human & Community Resource Dev - D1118
Administering College/Academic Group
Food, Agric & Environ Science
Co-administering College/Academic Group
Semester Conversion Designation
Terminated (i.e., final step which permanently eliminates the program, no new admissions shall be possible, include effective date for termination)
Rationale
This program has not had student enrollees for many years. The chair and faculty of the Human and Community Resource Development have agreed to terminate the program.
Current Program/Plan Name
Vocational Education
Program/Plan Code Abbreviation
VOCEDUC-PH
Current Degree Title
Doctor of Philosophy

Attachments

Comments
• The coordinator from Education and Human Ecology who had also worked with students in the program concurs with the decision to terminate the program. (by Trefz,Marilyn Kaye on 01/18/2011 08:18 AM)

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Terminated Programs Rationale
School of Environment and Natural Resources (SENR)
Semester Conversion

Sections C. and D. below are copied from the SENR semester conversion cover letter (revision here in red), and expanded rationales for each termination are included below.

C. SENR programs to be terminated:
Each listed below is an old program name that has been replaced by current programs listed above, either through revised titles (1-3), being subsumed as a specialization into the ENR MS and PhD (4-7), or being replaced by more targeted options (8).

1) Fisheries and Wildlife Management (FWMGT-BS): no students remain under this old title
2) Forestry and Urban Forestry (FORUF-BS): no students remain under this old title
3) Human Dimensions in Natural Resources (HDNR-BS): no students remain under this old title
4) Natural Resources (NATRES-PH): no students remain under this old title
5) Natural Resources (NATRES-MS): no students remain under this old title
6) Soil Science (SOILSCI-PH): all students remaining under this old title will graduate by 2012
7) Soil Science (SOILSCI-MS): all students remaining under this old title will graduate by 2012
8) 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; no new students will be admitted after Spring 2012, and this minor should be terminated upon moving current students to appropriate (more targeted) new minors and the completion of students currently in the minor, which should be completed by Summer 2014.

D. SENR programs to be converted with minimal changes, but to be terminated thereafter:
No new students will be admitted to these programs effective immediately; the programs should be terminated upon the completion of the last student in the program, which should be no later than Spring 2015.
1) Rural Sociology (RURLSOC-MS)
2) Rural Sociology (RURLSOC-PH)

Expanded rationales:

C.1. Fisheries and Wildlife Management (FWMGT-BS): This program has not been active since 2003; the last student graduated in Spring 2011. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.2. Forestry and Urban Forestry (FORUF-BS): This program has not been active since 2003; the last student graduated around 2005. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.3. Human Dimensions in Natural Resources (HDNR-BS): This program has not been active since 2008; all students in this program migrated to the ENR Parks, Recreation and Tourism or Environmental Policy and Management majors in 2008. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.4. Natural Resources (NATRES-PH): This program has not been active since 2006; all students in this program migrated into the Environment and Natural Resources (ENR) PhD in 2006. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.
C.5. Natural Resources (NATRES-MS): This program has not been active since 2006; all students in this program migrated into the Environment and Natural Resources MS in 2006. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.6. Soil Science (SOILSCI-PH): This program joined SENR in 1994 as the Agronomy program, and soon changed its name to Soil Science. Soil science course designations (SOIL SCI) were not changed to “ENR” until 2005-2006; the PhD degree name remained “Soil Science” at that time, awaiting future absorption into the ENR title. The semester conversion serves as an opportune time to complete the migration of the Soil Science program into ENR; the soil science PhD is being incorporated into the Soil Science PhD (ENVNATR-PH) specialty in ENR, and all active Soil Science PhD students will graduate by Spring 2012.

C.7. Soil Science (SOILSCI-MS): This program joined SENR in 1994 as the Agronomy program, and soon changed its name to Soil Science. Soil science course designations (SOIL SCI) were not changed to “ENR” until 2005-2006; the MS degree name remained “Soil Science” at that time, awaiting future absorption into the ENR title. The semester conversion serves as an opportune time to complete the migration of the Soil Science program into ENR; the soil science MS is being incorporated into the Soil Science MS (ENVNATR-MS) specialty in ENR, and all active Soil Science MS students will graduate by Spring 2012.

C.8. Natural Resources Management Minor (NATRESM-MN): This minor is being terminated because of its broad scope and is being replaced by more specific new minors (Forestry, Fisheries, and Wildlife; Society and Environmental Issues; Environmental Science) that correspond to existing SENR majors; no new students will be admitted after Spring 2012, and this minor should be terminated upon moving current students to appropriate (more targeted) new minors and the completion of students currently in the minor, which should be completed by Summer 2014.

D.1. Rural Sociology (RURLSOC-MS): Rural Sociology joined SENR in 2010, so as with Soil Science above, the Rural Sociology MS degree is being incorporated into the Rural Sociology MS (ENVNATR-MS) specialty in ENR. No new students will be admitted to this program effective immediately; the program should be terminated upon completion of the last student in the program, which should be no later than Spring 2015.

D.2. Rural Sociology (RURLSOC-PH): Rural Sociology joined SENR in 2010, so as with Soil Science above, the Rural Sociology PhD degree is being incorporated into the Rural Sociology PhD (ENVNATR-PH) specialty in ENR. No new students will be admitted to this program effective immediately; the program should be terminated upon completion of the last student in the program, which should be no later than Spring 2015.
Fiscal Unit/Academic Org: Sch of Enviro&Natural Res - D1173
Administering College/Academic Group: Food, Agric & Environ Science
Co-administering College/Academic Group: Deactivated (i.e., program to be held in abeyance for possible future use, but not to be converted at present time, no new admissions shall be possible until reactivated, include effective date of deactivation)

Rationale: This degree has been replaced by the ENVNATR-MS. Students no longer enroll in NATRES-MS, as has been the case for at least three years.

Current Program/Plan Name: Natural Resources
Program/Plan Code Abbreviation: NATRES-MS
Current Degree Title: Master of Science

Attachments

* SENRcoverLetterFinal.pdf: SENR cover letter
(Letter from Program-offering Unit. Dena: Hitzhuser,Gregory Ernest)

Comments

* cover letter explains deactivation request (by Hitzhuser,Gregory Ernest on 11/27/2010 12:09 AM)

Workflow Information

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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)
D. SENR programs to be terminated:

1) Natural Resources Management Minor (NATRES-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 outcomes goals and encouraging options beyond existing structures and traditions. The 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
Terminated Programs Rationale
School of Environment and Natural Resources (SENR)
Semester Conversion

Sections C. and D. below are copied from the SENR semester conversion cover letter (revision here in red), and expanded rationales for each termination are included below.

C. SENR programs to be terminated:
Each listed below is an old program name that has been replaced by current programs listed above, either through revised titles (1-3), being subsumed as a specialization into the ENR MS and PhD (4-7), or being replaced by more targeted options (8).

1) Fisheries and Wildlife Management (FWMGT-BS): no students remain under this old title
2) Forestry and Urban Forestry (FORUF-BS): no students remain under this old title
3) Human Dimensions in Natural Resources (HDNR-BS): no students remain under this old title
4) Natural Resources (NATRES-PH): no students remain under this old title
5) Natural Resources (NATRES-MS): no students remain under this old title
6) Soil Science (SOILSCI-PH): all students remaining under this old title will graduate by 2012
7) Soil Science (SOILSCI-MS): all students remaining under this old title will graduate by 2012
8) 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; no new students will be admitted after Spring 2012, and this minor should be terminated upon moving current students to appropriate (more targeted) new minors and the completion of students currently in the minor, which should be completed by Summer 2014.

D. SENR programs to be converted with minimal changes, but to be terminated thereafter:
No new students will be admitted to these programs effective immediately; the programs should be terminated upon the completion of the last student in the program, which should be no later than Spring 2015.
1) Rural Sociology (RURLSOC-MS)
2) Rural Sociology (RURLSOC-PH)

Expanded rationales:

C.1. Fisheries and Wildlife Management (FWMGT-BS): This program has not been active since 2003; the last student graduated in Spring 2011. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.2. Forestry and Urban Forestry (FORUF-BS): This program has not been active since 2003; the last student graduated around 2005. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.3. Human Dimensions in Natural Resources (HDNR-BS): This program has not been active since 2008; all students in this program migrated to the ENR Parks, Recreation and Tourism or Environmental Policy and Management majors in 2008. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.4. Natural Resources (NATRES-PH): This program has not been active since 2006; all students in this program migrated into the Environment and Natural Resources (ENR) PhD in 2006. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.
C.5. Natural Resources (NATRES-MS): This program has not been active since 2006; all students in this program migrated into the Environment and Natural Resources MS in 2006. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.6. Soil Science (SOILSCI-PH): This program joined SENR in 1994 as the Agronomy program, and soon changed its name to Soil Science. Soil science course designations (SOIL SCI) were not changed to “ENR” until 2005-2006; the PhD degree name remained “Soil Science” at that time, awaiting future absorption into the ENR title. The semester conversion serves as an opportune time to complete the migration of the Soil Science program into ENR; the soil science PhD is being incorporated into the Soil Science PhD (ENVNATR-PH) specialty in ENR, and all active Soil Science PhD students will graduate by Spring 2012.

C.7. Soil Science (SOILSCI-MS): This program joined SENR in 1994 as the Agronomy program, and soon changed its name to Soil Science. Soil science course designations (SOIL SCI) were not changed to “ENR” until 2005-2006; the MS degree name remained “Soil Science” at that time, awaiting future absorption into the ENR title. The semester conversion serves as an opportune time to complete the migration of the Soil Science program into ENR; the soil science MS is being incorporated into the Soil Science MS (ENVNATR-MS) specialty in ENR, and all active Soil Science MS students will graduate by Spring 2012.

C.8. Natural Resources Management Minor (NATRESM-MN): This minor is being terminated because of its broad scope and is being replaced by more specific new minors (Forestry, Fisheries, and Wildlife; Society and Environmental Issues; Environmental Science) that correspond to existing SENR majors; no new students will be admitted after Spring 2012, and this minor should be terminated upon moving current students to appropriate (more targeted) new minors and the completion of students currently in the minor, which should be completed by Summer 2014.

D.1. Rural Sociology (RURLSOC-MS): Rural Sociology joined SENR in 2010, so as with Soil Science above, the Rural Sociology MS degree is being incorporated into the Rural Sociology MS (ENVNATR-MS) specialty in ENR. No new students will be admitted to this program effective immediately; the program should be terminated upon completion of the last student in the program, which should be no later than Spring 2015.

D.2. Rural Sociology (RURLSOC-PH): Rural Sociology joined SENR in 2010, so as with Soil Science above, the Rural Sociology PhD degree is being incorporated into the Rural Sociology PhD (ENVNATR-PH) specialty in ENR. No new students will be admitted to this program effective immediately; the program should be terminated upon completion of the last student in the program, which should be no later than Spring 2015.
Fiscal Unit/Academic Org: Sch of Enviro&Natural Res - U1773
Administering College/Academic Group: Food, Agric & Environ Science
Co-administering College/Academic Group: 
Semester Conversion Designation: Deactivated (i.e., program to be held in abeyance for possible future use, but not to be converted at present time, no new admissions shall be possible until reactivated, include effective date of deactivation)
Rationale: This degree has been replaced by the ENVNATR-PH. Students no longer enroll in NATRES-PH, as has been the case for at least three years.
Current Program/Plan Name: Natural Resources
Program/Plan Code Abbreviation: NATRES-PH
Current Degree Title: Doctor of Philosophy

Attachments
* SENRcoverLetterFinal.pdf: SENR cover letter (Letter from Program-offering Unit. Owner: Hitzhusen,Gregory Ernest)

Comments
* cover letter explains deactivation request (by Hitzhusen,Gregory Ernest on 11/27/2013 12:07 AM)

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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 MenRS 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.
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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 \textit{semester equivalent}
2) Doctor of Philosophy (ENVNATR-PH): converted as \textit{semester equivalent}

The Environment and Natural Resources Graduate Program awards both MS and PhD degrees in seven areas of specialty (all converted as \textit{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 \textit{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 \textit{semester equivalent})
1) Master of Environment and Natural Resources (ENVNAT-MEN)

Three Combined Programs (all combined programs will be converted as \textit{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 \textit{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)
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9) Soil Science (SOILSCI-MS)

D. SENR programs to be terminated:
1) Natural Resources Management Minor (NATREM-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

Ronald L. Hendrick, Ph.D.
Director, SENR
Terminated Programs Rationale
School of Environment and Natural Resources (SENR)
Semester Conversion

Sections C. and D. below are copied from the SENR semester conversion cover letter (revision here in red), and expanded rationales for each termination are included below.

C. SENR programs to be terminated:
Each listed below is an old program name that has been replaced by current programs listed above, either through revised titles (1-3), being subsumed as a specialization into the ENR MS and PhD (4-7), or being replaced by more targeted options (8).

1) Fisheries and Wildlife Management (FWMGT-BS): no students remain under this old title
2) Forestry and Urban Forestry (FORUF-BS): no students remain under this old title
3) Human Dimensions in Natural Resources (HDNR-BS): no students remain under this old title
4) Natural Resources (NATRES-PH): no students remain under this old title
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6) Soil Science (SOILSCI-PH): all students remaining under this old title will graduate by 2012
7) Soil Science (SOILSCI-MS): all students remaining under this old title will graduate by 2012
8) 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; no new students will be admitted after Spring 2012, and this minor should be terminated upon moving current students to appropriate (more targeted) new minors and the completion of students currently in the minor, which should be completed by Summer 2014.

D. SENR programs to be converted with minimal changes, but to be terminated thereafter:
No new students will be admitted to these programs effective immediately; the programs should be terminated upon the completion of the last student in the program, which should be no later than Spring 2015.

1) Rural Sociology (RURLSOC-MS)
2) Rural Sociology (RURLSOC-PH)

Expanded rationales:

C.1. Fisheries and Wildlife Management (FWMGT-BS): This program has not been active since 2003; the last student graduated in Spring 2011. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.2. Forestry and Urban Forestry (FORUF-BS): This program has not been active since 2003; the last student graduated around 2005. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.3. Human Dimensions in Natural Resources (HDNR-BS): This program has not been active since 2008; all students in this program migrated to the ENR Parks, Recreation and Tourism or Environmental Policy and Management majors in 2008. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.4. Natural Resources (NATRES-PH): This program has not been active since 2006; all students in this program migrated into the Environment and Natural Resources (ENR) PhD in 2006. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.
C.5. Natural Resources (NATRES-MS): This program has not been active since 2006; all students in this program migrated into the Environment and Natural Resources MS in 2006. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.6. Soil Science (SOILSCI-PH): This program joined SENR in 1994 as the Agronomy program, and soon changed its name to Soil Science. Soil science course designations (SOIL SCI) were not changed to “ENR” until 2005-2006; the PhD degree name remained “Soil Science” at that time, awaiting future absorption into the ENR title. The semester conversion serves as an opportune time to complete the migration of the Soil Science program into ENR; the soil science PhD is being incorporated into the Soil Science PhD (ENVNATR-PH) specialty in ENR, and all active Soil Science PhD students will graduate by Spring 2012.

C.7. Soil Science (SOILSCI-MS): This program joined SENR in 1994 as the Agronomy program, and soon changed its name to Soil Science. Soil science course designations (SOIL SCI) were not changed to “ENR” until 2005-2006; the MS degree name remained “Soil Science” at that time, awaiting future absorption into the ENR title. The semester conversion serves as an opportune time to complete the migration of the Soil Science program into ENR; the soil science MS is being incorporated into the Soil Science MS (ENVNATR-MS) specialty in ENR, and all active Soil Science MS students will graduate by Spring 2012.

C.8. Natural Resources Management Minor (NATRESM-MN): This minor is being terminated because of its broad scope and is being replaced by more specific new minors (Forestry, Fisheries, and Wildlife; Society and Environmental Issues; Environmental Science) that correspond to existing SENR majors; no new students will be admitted after Spring 2012, and this minor should be terminated upon moving current students to appropriate (more targeted) new minors and the completion of students currently in the minor, which should be completed by Summer 2014.

D.1. Rural Sociology (RURLSOC-MS): Rural Sociology joined SENR in 2010, so as with Soil Science above, the Rural Sociology MS degree is being incorporated into the Rural Sociology MS (ENVNATR-MS) specialty in ENR. No new students will be admitted to this program effective immediately; the program should be terminated upon completion of the last student in the program, which should be no later than Spring 2015.

D.2. Rural Sociology (RURLSOC-PH): Rural Sociology joined SENR in 2010, so as with Soil Science above, the Rural Sociology PhD degree is being incorporated into the Rural Sociology PhD (ENVNATR-PH) specialty in ENR. No new students will be admitted to this program effective immediately; the program should be terminated upon completion of the last student in the program, which should be no later than Spring 2015.
Fiscal Unit/Academic Org: Sch of Envirol&Natural Res - D1173
Administering College/Academic Group: Food, Agric & Environ Science
Co-administering College/Academic Group: Deactivated (i.e., program to be held in abeyance for possible future use, but not to be converted at present time, no new admissions shall be possible until reactivated, include effective date of deactivation)
Semester Conversion Designation: This degree has been replaced by ENVRATR-MS due to the incorporation of Soil Science into SENR. Students no longer enroll in SOILSCI-MS, but choose Soil Science as an area of specialization in ENVRATR-MS, as has been true for at least three years.
Rationale: Soil Science
Current Program/Plan Name: SOILSCI-MS
Program/Plan Code Abbreviation: Master of Science
Current Degree Title: * SENRcoverLetterFinal.pdf: SENR cover letter
Attachments

Comments

* cover letter explains deactivation request. (by Hitzhusen,Gregory Ernest on 11/27/2013 12:30 AM)

Workflow Information

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Soil Science - Page 1
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, UPW, 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)
D. SENR programs to be terminated:

1) Natural Resources Management Minor (NATREM-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

Ronald L. Hendrick, Ph.D.
Director, SENR
Terminated Programs Rationale
School of Environment and Natural Resources (SENR)
Semester Conversion

Sections C. and D. below are copied from the SENR semester conversion cover letter (revision here in red), and expanded rationales for each termination are included below.

C. SENR programs to be terminated:
Each listed below is an old program name that has been replaced by current programs listed above, either through revised titles (1-3), being subsumed as a specialization into the ENR MS and PhD (4-7), or being replaced by more targeted options (8).

1) Fisheries and Wildlife Management (FWMGT-BS): no students remain under this old title
2) Forestry and Urban Forestry (FORUF-BS): no students remain under this old title
3) Human Dimensions in Natural Resources (HDNR-BS): no students remain under this old title
4) Natural Resources (NATRES-PH): no students remain under this old title
5) Natural Resources (NATRES-MS): no students remain under this old title
6) Soil Science (SOILSCI-PH): all students remaining under this old title will graduate by 2012
7) Soil Science (SOILSCI-MS): all students remaining under this old title will graduate by 2012
8) 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; no new students will be admitted after Spring 2012, and this minor should be terminated upon moving current students to appropriate (more targeted) new minors and the completion of students currently in the minor, which should be completed by Summer 2014.

D. SENR programs to be converted with minimal changes, but to be terminated thereafter:
No new students will be admitted to these programs effective immediately; the programs should be terminated upon the completion of the last student in the program, which should be no later than Spring 2015.
1) Rural Sociology (RURLSOC-MS)
2) Rural Sociology (RURLSOC-PH)

Expanded rationales:

C.1. Fisheries and Wildlife Management (FWMGT-BS): This program has not been active since 2003; the last student graduated in Spring 2011. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.2. Forestry and Urban Forestry (FORUF-BS): This program has not been active since 2003; the last student graduated around 2005. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.3. Human Dimensions in Natural Resources (HDNR-BS): This program has not been active since 2008; all students in this program migrated to the ENR Parks, Recreation and Tourism or Environmental Policy and Management majors in 2008. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.

C.4. Natural Resources (NATRES-PH): This program has not been active since 2006; all students in this program migrated into the Environment and Natural Resources (ENR) PhD in 2006. This program was still in the SIS system, but semester conversion serves as an opportune time to clean this program out of the system.
C.5. Natural Resources (NATRES-MS): This program has not been active since 2006; all students in
this program migrated into the Environment and Natural Resources MS in 2006. This program was still
in the SIS system, but semester conversion serves as an opportune time to clean this program out of the
system.

C.6. Soil Science (SOILSCI-PH): This program joined SENR in 1994 as the Agronomy program, and
soon changed its name to Soil Science. Soil science course designations (SOIL SCI) were not changed to
“ENR” until 2005-2006; the PhD degree name remained “Soil Science” at that time, awaiting future
absorption into the ENR title. The semester conversion serves as an opportune time to complete the
migration of the Soil Science program into ENR; the soil science PhD is being incorporated into the Soil
Science PhD (ENVNATR-PH) specialty in ENR, and all active Soil Science PhD students will graduate
by Spring 2012.

C.7. Soil Science (SOILSCI-MS): This program joined SENR in 1994 as the Agronomy program, and
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C.8. Natural Resources Management Minor (NATRESM-MN): This minor is being terminated
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Wildlife; Society and Environmental Issues; Environmental Science) that correspond to existing SENR
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moving current students to appropriate (more targeted) new minors and the completion of students
currently in the minor, which should be completed by Summer 2014.

D.1. Rural Sociology (RURLSOC-MS): Rural Sociology joined SENR in 2010, so as with Soil Science
above, the Rural Sociology MS degree is being incorporated into the Rural Sociology MS (ENVNATR-
MS) specialty in ENR. No new students will be admitted to this program effective immediately; the
program should be terminated upon completion of the last student in the program, which should be no
later than Spring 2015.

D.2. Rural Sociology (RURLSOC-PH): Rural Sociology joined SENR in 2010, so as with Soil Science
above, the Rural Sociology PhD degree is being incorporated into the Rural Sociology PhD (ENVNATR-
PH) specialty in ENR. No new students will be admitted to this program effective immediately; the
program should be terminated upon completion of the last student in the program, which should be no
later than Spring 2015.
Fiscal Unit/Academic Org: Sch of Enviro&Natural Res - D1173
Administering College/Academic Group: Food, Agric & Environ Science
Co-administering College/Academic Group: 
Semester Conversion Designation: Deactivated (i.e., program to be held in abeyance for possible future use, but not to be converted at present time, no new admissions shall be possible until reactivated, include effective date of deactivation)
Rationale: This degree has been replaced by ENVNATR-PH due to the incorporation of Soil Science into SENR. Students no longer enroll in SOILSCI-PH, but choose Soil Science as an area of specialization in ENVNATR-PH, as has been true for at least three years.
Current Program/Plan Name: Soil Science
Program/Plan Code Abbreviation: SOILSCI-PH
Current Degree Title: Doctor of Philosophy

Attachments
* SENRcoverLetterFinal.pdf: SENR cover letter
(Letter from Program-offering Unit. Owner: Hitzhusen,Gregory Ernest)

Comments
* cover letter explains deactivation request (by Hitzhusen,Gregory Ernest on 11/27/2010 12:29 AM)

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Soil Science - Page 1
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

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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:
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Two Undergraduate Minors:
1) Soil Resources (SOIL-SCI-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
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   - 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/MAPP (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.

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