Proposal to the Senate Educational Policy Committee

**PROPOSAL TITLE:** Revision of NRES (Department of Natural Resources and Environmental Sciences) Concentration Requirements: Global Change & Landscape Dynamics Concentration

**SPONSOR:** Jeffrey D Brawn, Professor, (217) 244-5937, jbrawn@illinois.edu

**BRIEF DESCRIPTION:** This is a minor change to a NRES concentration. It involves eliminating courses from the requirements that are no longer taught due to retirements, and adding courses taught by newly hired faculty members, the overall credits required do not change, nor do the core courses, but the number of electives is increased slightly to give more flexibility to the students.

**JUSTIFICATION:** Recent retirements have caused some classes to be no longer offered in NRES; some of these classes were listed on our concentrations as requirements on short selection lists. They have been removed from those choices. In addition, new hires bring new talents and interests to our faculty, and new courses offered by the newly hired faculty members have been added to the concentrations as options as partial replacements for the discontinued courses. We have also decreased the total number of requirements by 2-3 credits while keeping the overall requirements at 126 credits. Our core requirements have not changed, just the courses on the “select one of many” lists for each concentration. This will give the students more flexibility in class scheduling, while maintain a consistent level of rigor in all our concentrations.

**BUDGETARY AND STAFF IMPLICATIONS:**

a. Additional staff and dollars needed: **None**
b. Internal reallocations (e.g., change in class size, teaching loads, student-faculty ratio, etc.): **None**
c. Effect on course enrollment in other units and explanations of discussions with representatives of those departments: **None Expected**
d. Impact on the University Library: **None**
e. Impact on computer use, laboratory use, equipment, etc.: **None**

**DESIRED EFFECTIVE DATE:** Fall 2012

**STATEMENT FOR PROGRAMS OF STUDY CATALOG:**

The titles of the major and minor and concentrations in NRES will not change.
CLEARANCES: (Clearances should include signatures and dates of approval. These signatures must appear on a separate sheet. If multiple departments or colleges are sponsoring the proposal, please add the appropriate signature lines below.)

Signatures:

Unit Representative: ___________________________ Date: 6-13-12

College Representative: ___________________________ Date: 6-13-12

Graduate College Representative: ___________________________ Date:

Council on Teacher Education Representative: ___________________________ Date:
### Appendix B: Proposed Curriculum Revisions

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Current Prescribed Courses and General Education</th>
<th>Proposed Prescribed Courses and General Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>Composition I and Speech</td>
<td>Choose either:</td>
<td>Choose either:</td>
</tr>
<tr>
<td>4-3</td>
<td>RHET 105 - Principles of Composition or equivalent (see College Composition I requirement)  and  &lt;br&gt; CMN 101 - Public Speaking or</td>
<td>RHET 105 - Principles of Composition or equivalent (see College Composition I requirement)  and  &lt;br&gt; CMN 101 - Public Speaking or</td>
</tr>
<tr>
<td>6</td>
<td>CMN 111 - Oral and Written Communication I and  &lt;br&gt; CMN 112 - Oral and Written Communication II</td>
<td>CMN 111 - Oral and Written Communication I and  &lt;br&gt; CMN 112 - Oral and Written Communication II</td>
</tr>
<tr>
<td>Hrs Advanced Composition</td>
<td>3-4 Select from campus approved list</td>
<td>3-4 Select from campus approved list</td>
</tr>
<tr>
<td>Cultural Studies</td>
<td>6 Select one course from Western culture and one from non-Western/U.S. minority culture from campus approved list.</td>
<td>6 Select one course from Western culture and one from non-Western/U.S. minority culture from campus approved list.</td>
</tr>
<tr>
<td>Foreign Language: Coursework at or above the third level is required for graduation.</td>
<td>Foreign Language: Coursework at or above the third level is required for graduation.</td>
<td></td>
</tr>
<tr>
<td>Quantitative Reasoning I</td>
<td>4-5 Select one course from:  &lt;br&gt; MATH 220 - Calculus  &lt;br&gt; MATH 221 - Calculus I  &lt;br&gt; MATH 234 - Calculus for Business, I</td>
<td>4-5 Select one course from:  &lt;br&gt; MATH 220 - Calculus  or MATH 221 - Calculus I  or  &lt;br&gt; MATH 234 - Calculus for Business, I</td>
</tr>
<tr>
<td>Natural Sciences and Technology</td>
<td>4 CHEM 102 - General Chemistry I and CHEM 103 - General Chemistry Lab I  &lt;br&gt; 4 CHEM 104 - General Chemistry II and CHEM 105 - General Chemistry Lab II  &lt;br&gt; 4 IB 103 - Introduction to Plant Biology</td>
<td>4 CHEM 102 - General Chemistry I and CHEM 103 - General Chemistry Lab I  &lt;br&gt; 4 CHEM 104 - General Chemistry II and CHEM 105 - General Chemistry Lab II  &lt;br&gt; 8 IB 103 - Introduction to Plant Biology and  &lt;br&gt; IB 104 - Animal Biology</td>
</tr>
<tr>
<td>Humanities and the Arts</td>
<td>6 Select from campus approved list.</td>
<td>6 Select from campus approved list.</td>
</tr>
<tr>
<td>Social and Behavioral Sciences</td>
<td>3-4 ACE 100 - Agr Cons and Resource Econ or ECON 102 - Microeconomic Principles  &lt;br&gt; 3 Select from campus approved list.</td>
<td>3-4 ACE 100 - Agr Cons and Resource Econ or  &lt;br&gt; ECON 102 - Microeconomic Principles  &lt;br&gt; 3 Select from campus approved list.</td>
</tr>
<tr>
<td>ACES Required</td>
<td>2 ACES 101 - Contemporary Issues in ACES</td>
<td>2 ACES 101 - Contemporary Issues in ACES</td>
</tr>
<tr>
<td>Concentration prescribed courses. See specific requirements for each concentration listed below.</td>
<td>48-58 NRES prescribed courses. See specific requirements for NRES  &lt;br&gt; 56 and each concentration listed below.</td>
<td>126 Total</td>
</tr>
</tbody>
</table>

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### Current NRES Core Requirements

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Natural Resources and Environmental Sciences Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>IB 104 - Animal Biology</td>
</tr>
<tr>
<td>3</td>
<td>NRES 102 - Introduction to NRES</td>
</tr>
<tr>
<td>4</td>
<td>NRES 201 - Introductory Soils</td>
</tr>
<tr>
<td>3</td>
<td>NRES 219 - Principles of Ecosystem Mgmt</td>
</tr>
<tr>
<td>3</td>
<td>NRES 287 - Environment and Society</td>
</tr>
<tr>
<td>3</td>
<td>NRES 348 - Fish and Wildlife Ecology</td>
</tr>
<tr>
<td>3</td>
<td>NRES 454 - GIS in Natural Resource Mgmt</td>
</tr>
<tr>
<td>3</td>
<td>NRES 456 - Integrative Ecosystem Mgmt</td>
</tr>
</tbody>
</table>

### Proposed NRES Core Requirements

<table>
<thead>
<tr>
<th>Hrs</th>
<th>Natural Resources and Environmental Sciences Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>NRES 102 - Introduction to NRES</td>
</tr>
<tr>
<td>4</td>
<td>NRES 201 - Introductory Soils</td>
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<tr>
<td>3</td>
<td>NRES 219 - Principles of Ecosystem Mgmt</td>
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<td>NRES 348 - Fish and Wildlife Ecology</td>
</tr>
<tr>
<td>3</td>
<td>NRES 454 - GIS in Natural Resource Mgmt</td>
</tr>
<tr>
<td>3</td>
<td>NRES 456 - Integrative Ecosystem Mgmt</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Two Repeatable Field Methods Courses selected from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-4 NRES 276 - Introduction to Field Pedology or</td>
</tr>
<tr>
<td>NRES 285 - Natural Resource Field Experience</td>
</tr>
</tbody>
</table>

Justification for the change to the NRES core: simplification of concentration requirement lists; IB 104 moves into the Natural Sciences and Technology Required Group, the two field methods classes requirement redundantly appears in all concentrations. In addition, NRES 211 and 221 are no longer taught so they were removed from the Field Methods choices.
Changes to the Global Change and Landscape Dynamics Concentration: Incorporates new courses under development by newly hired faculty members, eliminates classes no longer taught, simplifies requirements, and transfers the Field Methods Class requirement to the NRES core to eliminate duplication.
Senate Educational Policy Committee
Proposal Check Sheet

PROPOSAL TITLE: Revision of NRES (Department of Natural Resources and Environmental Sciences) Concentration Requirements: Global Change & Landscape Dynamics Concentration

PROPOSAL TYPE (Please select all that apply below):

A. ☒ Program and degree proposals

1. This proposal is for a graduate program or degree
   □ Yes   ☒ No

2. Degree proposal (e.g. B.S., M.A. or Ph.D.)
   □ New degree — please name the new degree: _____
   □ Revision of an existing degree — please name the existing degree to be revised: _____

3. Major proposal (disciplinary focus, e.g., Mathematics)
   □ New major — please name the new major: _____
   □ Revision of an existing major — please name the existing major to be revised: _____

4. Concentration proposal (e.g. Financial Planning)
   □ New concentration — please name the new concentration: _____
   ☒ Revision of an existing concentration — please name the existing concentration to be revised: Global Change & Landscape Dynamics

Minor proposal (e.g. Cinema Studies)

□ New minor — please name the new minor: _____
□ Revision of an existing minor — please name the existing minor to be revised: _____
5. □ Proposal for renaming an existing degree, major, concentration, or minor

   □ degree  □ major  □ concentration  □ minor

   Please provide the current name: _____

   Please provide the proposed new name: _____

6. □ Proposal for terminating an existing degree, major, concentration, or minor

   Please name the existing degree, major, concentration, or minor: _____

7. □ Proposal for a multi-institutional degree between Illinois (UIUC) and a foreign institution

   Please name the existing Illinois degree or program: _____

   Please name the partnering institution: _____

B. □ Proposal for renaming existing academic units (college, school, department, or program)

   Please provide the unit’s current name: _____

   Please provide the unit’s proposed new name: _____

C. □ Proposal for reorganizing existing units (colleges, schools, departments, or programs)

   □ Change in status of an existing and approved unit (e.g. change from a program to department) — please indicate current unit name including status: _____

   □ Transfer an existing unit

   Please provide the current unit’s name and home: _____

   Please provide the new home for the unit: _____

   □ Merge two or more existing units (e.g., merge department A with department B)

   Please provide the name and college of unit one to be merged: _____

   Please provide the name and college of unit two to be merged: _____

   □ Terminate an existing unit — please provide the current unit’s name and status: _____

D. □ Other educational policy proposals (e.g., academic calendar, grading policies, etc.)

   Please indicate the nature of the proposal: _____
August 2, 2012

Gay Miller, Chair
Senate Committee on Educational Policy
Office of the Senate
228 English Building, MC-461

Dear Professor Miller:

Enclosed is a copy of a proposal from the College of Agricultural, Consumer and Environmental Sciences to revise the Global Change and Landscape Dynamics concentration in the BS in Natural Resources and Environmental Sciences.

This proposal has been approved by the ACES Courses and Curriculum Committee. It now requires Senate review.

Sincerely,

Kristi A. Kuntz
Assistant Provost

Enclosures

F. W. Simmons
J. D. Brawn
R. G. Darmody
June 12, 2012

Kristi Kuntz, Assistant Provost
Office of the Provost, Second Floor
Swanlund Administration Building
Campus MC-304

Dear Kristi:

Please find enclosed four proposals from the College of ACES to make minor changes within the following curricula in the Department of Natural Resources and Environmental Sciences:

- Revision of the Concentration in Resource Conservation and Restoration Ecology
- Revision of the Concentration in Global Change and Landscape Dynamics
- Revision of the Concentration in Fish and Wildlife Conservation
- Revision of the Concentration in Human Dimensions of the Environment

They have all been reviewed and approved by the ACES C&C Committee, and now I am forwarding them to you for campus-level review.

Thank you for your consideration of these proposals. Please feel free to contact me should you have any questions.

Sincerely,

F. William Simmons
Assistant Dean, College of ACES

FWS/rhc

cc: J. D. Brawn
    R. G. Darmody
    NRES C&C File