6. Change in Curriculum

**College of Agriculture and Life Sciences**
Department of Ecosystem Science and Management
Minor in Rangeland Ecology and Management
CHANGE IN CURRICULA
CHANGE IN CURRICULUM

COLLEGE OF AGRICULTURE AND LIFE SCIENCES
DEPARTMENT OF ECOSYSTEM SCIENCE AND MANAGEMENT
MINOR IN RANGELAND ECOLOGY AND MANAGEMENT
Texas A&M University
Request for a Change in Curriculum
Undergraduate • Graduate • Professional

1. Program request type: [☑ Undergraduate] [ ] Graduate [ ] First Professional (ex. DVM, JD, MD, etc.)

2. Request change for: [ ] Degree Program [☑ Minor] [ ] Certificate

3. Request submitted by (Department or Program Name): Ecosystem Science and Management

4. Program Designation and Name: Rangeland Ecology and Management Minor

5. Brief description of change:
Removing ESSM 415 and RENR 410 from the required coursework. Total required hours will be 15.

6. Rationale for change:
Lack of space in the ESSM 415 and RENR 410 classes.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached. [☑ Yes] [ ] No

7. b. Current catalog curriculum with handwritten edits attached. [☑ Yes] [ ] No

7. c. Current Howdy degree evaluation with handwritten edits attached. [☑ Yes] [ ] No

Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.

8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes? [ ] Yes [☑ No]

8. b. If yes, degree program hours will change from: _________ to: _________

8. c. If yes, is the Texas Higher Education Coordinating Board form attached? [ ] Yes [☑ No]

http://www.thecb.state.tx.us/index.cfm?objectid=A0F9F7E9-9A92-4111-2786AD3B81E01D90

9. If proposed changes affect other unit(s), are letters of support attached? [ ] Yes [☑ No]

IMPORTANT NOTE: Curriculum changes submitted through the approval process and fully approved by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

Dr. Mort Koffman
Department Head or Program Chair
Date: 7/11/15

Dr. Kim Dooley
Dean of College
Date: 7/21/15

DR. Robert Knight
Chair, College Review Committee
Date: 7/10/15

Chair, GC or UCC
Date

Questions regarding this form should be directed to Curricular Services at 845-8201 or sammie.williams@tamu.edu
Curricular Services – 04/14

RECEIVED
JUL 22 2015
CURRICULAR SERVICES
2016-2017

Minor Field of Study
in
Rangeland Ecology and Management

A selection from among the following courses will constitute a minor field of study. (Note: the College of Agriculture and Life sciences requires a C or better in any course used for the minor.)

Select 15 hours from the following 300-400 level courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESSM 302</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESSM 303</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or ESSM 304</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ESSM 314</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESSM 301</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESSM 316</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESSM 317</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESSM 320</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESSM 416</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESSM 420</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

-Students are required to take either ESSM 302, ESSM 303 or ESSM 304 as part of the minor program.

-Students are required to take ESSM 314 as part of the minor program.

-Minimum of 15 hours required

-Must maintain a 2.0 or above in minor curriculum.

**Note: RENR 205/215 and BIOL (any course) are prerequisites for several of the classes required for the minor in Rangeland Ecology & Management. Students must satisfy these prerequisites or have approval from the instructor prior to taking a class.
Rangeland Ecology and Management Minor

Select one of the following:

ESSM 302  Wildland Plants of North America  3
ESSM 303  Agrostology
ESSM 304  Rangeland Plant Taxonomy
ESSM 314  Principles of Rangeland Management Around the World  3

Select 6 semester credit hours from the following:

ESSM 301  Wildland Watershed Management
ESSM 316  Range Ecology
ESSM 317  Vegetation Management
ESSM 320  Ecosystem Restoration and Management
ESSM 416  Fire Ecology and Natural Resource Management
ESSM 420  Ecological Restoration of Wetland and Riparian Systems
ESSM 415  Range Analysis and Management Planning  4
or RENR 410  or Ecosystem Management

Total Semester Credit Hours  16
<table>
<thead>
<tr>
<th>Met</th>
<th>Condition</th>
<th>Rule</th>
<th>Subject</th>
<th>Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course</th>
<th>Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td>A.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Requirement 1 3hrs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Must make a grade of 'C' or better.</td>
<td>Select from ESSM 302-304.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>B.</td>
<td></td>
<td>ESSM 314</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>AND</td>
<td>C.</td>
<td></td>
<td>Electives</td>
<td></td>
<td></td>
<td>Must make a grade of 'C' or better.</td>
<td>Select from ESSM 301, 310, 317, 320, 410, 420.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td>AND</td>
<td>D.</td>
<td></td>
<td>Requirement 44hrs</td>
<td></td>
<td></td>
<td>Must make a grade of 'C' or better.</td>
<td>Select from RENN 410; ESSM 415.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits and GPA