

Course Changes

Graduate Council Report

March 1, 2012

Course Change Requests

BIOT 684. Directed Professional Internship

Description:

FROM: BIOT 684 Directed Professional Internship. A directed internship in an organization to provide students with on-the-job training with professionals in organizational settings appropriate to the student's professional objectives.

TO: BIOT 684 Directed Professional Internship. A directed internship in an organization that provides on-the-job training with professionals in organizational settings appropriate to the student's professional objectives. May be taken two times for credit.

ESSM 612 Advances in Range Improvement Practices

Title:

FROM: Advances in Range Improvement Practices

TO: Rangeland Vegetation Management

Description:

FROM: Principles and recent advances in brush and weed control with mechanical, chemical, burning and biological methods; interrelationships of brush management with grazing, wildlife and watershed management; planning and economic analysis of range improvement practices.

TO: Principles of rangeland brush and weed control with mechanical, chemical, burning and biological methods; interrelationships of brush management with grazing, wildlife and watershed management; planning and economic analysis of range improvement practices.

RECEIVED

FEB 03 2012

R. AUTENRIETH

Texas A&M University
Departmental Request for a Change in Course
Undergraduate ♦ Graduate ♦ Professional

• Submit original form and attachments •

1. Request submitted by (Department or Program Name): Professional Program in Biotechnology
2. Course prefix, number and complete title of course: BIOT 684 Directed Professional Internship

Attach a brief supporting statement for changes made to items 3a thru 3d, and 6 below.

3. Change requested
a. Prerequisite(s): From: To:
b. Withdrawal (reason):
c. Cross-list with:

Cross-listed courses require the signature of both department heads.

d. Change in course title and description. Enter complete current course title and current course description in item 5; enter proposed course title and proposed course description in item 6. Complete item 7 for change in title.
e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 7. Attach a course syllabus.

4. For informational purposes only, please indicate course number if this course will be stacked:

5. Complete current course title and current catalog course description:
BIOT 684 Directed Professional Internship. A directed internship in an organization to provide students with on-the-job training with professionals in organizational settings appropriate to the students's professional objectives.

6. Complete proposed course title and proposed catalog course description (not to exceed 50 words):
BIOT 684 Directed Professional Internship. A directed internship in an organization that provides on-the-job training with professionals in organizational settings appropriate to the students's professional objectives. May be taken two times for credit.

7. a. As currently in course inventory:

Table with columns: Prefix, Course #, Title, Lect., Lab, SCH, CIP and Fund Code, Admin. Unit, FICE Code, Level. Contains data for BIOT 684 DIRECTED PROFESSIONAL INTERNSHIP.

b. Change to:

Table with columns: Prefix, Course #, Title, Lect., Lab, SCH, CIP and Fund Code, Admin. Unit, Acad. Year, FICE Code. Contains data for a new course entry.

Approval recommended by: Victor M. Ugaz 1/31/2012
Department Head or Program Chair (Type Name & Sign) Date

Chair, College Review Committee 2-9-12
Date

Department Head or Program Chair (Type Name & Sign) Date
(if cross-listed course)

Dean of College 2-9-12
Date

Submitted to Coordinating Board by:
Associate Director, Curricular Services
Date

Chair, CC or UCC 3-1-12
Date
Effective Date

11/6

Texas A&M University
Departmental Request for a Change in Course
Undergraduate • Graduate • Professional

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MB
 FEB 23 2012

• Submit original form and attachments •

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

2. Course prefix, number and complete title of course: ESSM 612

GRADUATE STUDIES

Attach a brief supporting statement for changes made to items 3a thru 3d, and 6 below.

3. Change requested

N/A

- a. Prerequisite(s): From: _____ To: _____
- b. Withdrawal (reason): _____
- c. Cross-list with: N/A

Cross-listed courses require the signature of both department heads.

- d. Change in course title and description. Enter complete current course title and current course description in item 5; enter proposed course title and proposed course description in item 6. Complete item 7 for change in title.
- e. Change in course number, contact hours (lab & lecture), and semester credit hours. Complete item 7. **Attach a course syllabus.**

4. For informational purposes only, please indicate course number if this course will be stacked: _____

5. Complete current course title and current catalog course description:

612. Advances in Range Improvement Practices. (3-0). Credit 3. Principles and recent advances in brush and weed control with mechanical, chemical, burning and biological methods; interrelationships of brush management with grazing, wildlife and watershed management; planning and economic analysis of range improvement practices.*

6. Complete proposed course title and proposed catalog course description (not to exceed 50 words):

612. Rangeland Vegetation Management. (3-0). Credit 3. Principles of rangeland brush and weed control with mechanical, chemical, burning and biological methods; interrelationships of brush management with grazing, wildlife and watershed management; planning and economic analysis of range improvement practices.

7. a. As currently in course inventory:

| Prefix | | | Course # | | | Title (excluding punctuation) | | | | | | | | | | | | | | | | | | | | | |
|--------|-----|-----|-------------------|-------------|---|-------------------------------|---|-----------|---|---|---|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | S | S | M | 6 | 1 | 2 | A | d | v | a | n | c | e | s | R | a | n | g | e | I | m | p | r | P | r | a | c |
| Lect. | Lab | SCH | CIP and Fund Code | Admin. Unit | | | | FICE Code | | | | Level | | | | | | | | | | | | | | | |
| 0 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 6 | 0 | 0 | 0 | 5 | 0 | 8 | 4 | 1 | 0 | 0 | 3 | 6 | 3 | 2 | 6 | |

b. Change to:

| Prefix | | | Course # | | | Title (excluding punctuation) | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|-----|-----|-------------------|-------------|---|-------------------------------|---|------------|---|---|---|-----------|---|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E | S | S | M | 6 | 1 | 2 | R | a | n | g | e | l | a | n | d | V | e | g | M | g | m | t | | | | | | | | | |
| Lect. | Lab | SCH | CIP and Fund Code | Admin. Unit | | | | Acad. Year | | | | FICE Code | | Level | | | | | | | | | | | | | | | | | |
| 0 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 6 | 0 | 0 | 0 | 5 | 0 | 8 | 4 | 1 | 1 | 2 | - | 1 | 3 | 0 | 0 | 3 | 6 | 3 | 2 | 6 |

Approval recommended by:

Dr. Steve Whisenant
 Department Head or Program Chair (Type Name & Sign) Date
S. Whisenant 2-6-12

Dr. David Reed *David W. Reed* 2/16/12
 Chair, College Review Committee Date

Dr. David Reed *David W. Reed* 2/16/12
 Dean of College Date

Submitted to Coordinating Board by:

Dr. Mark Zoran
 Chair, GC or UCC Date

Associate Director, Curricular Services

Date

Effective Date



Thomas W. Boutton
Regents Professor
Texas AgriLife Senior Faculty Fellow



COLLEGE OF AGRICULTURE
AND LIFE SCIENCES

DEPARTMENT OF ECOSYSTEM
SCIENCE AND MANAGEMENT

RECEIVED

Feb 23 2012

GRADUATE STUDIES

February 8, 2012

Dr. David Reed
Associate Dean for Graduate Programs and Faculty Development
College of Agriculture and Life Sciences
Texas A&M University
College Station, TX 77843-2402

Dear Dr. Reed:

Attached is a request from Mr. Wayne Hamilton (ESSM) to change the title of his graduate class. The original and new titles are:

Original: ESSM 612. Advances in Range Improvement Practices.

New: ESSM 612. Rangeland Vegetation Management

We hope this can be considered at one of the upcoming COALS-GPC meetings this semester. Thanks for your consideration.

Sincerely,

Thomas W. Boutton
Associate Department Head for Graduate Programs

225 Animal Industries Building
College Station, Texas 77843-2138 USA

Tel. 979.845.8027
Fax. 979.845.6430
boutton@tamu.edu
<http://essm.tamu.edu/people/boutton>

January 23, 2012

Dr. Steve Whisenant, Head
Department of Ecosystem Science and Management
Horticulture /Forest Science Bldg., Room 305
2138 TAMU
College Station, TX 77843-2138

Dear Dr. Whisenant:

I would like to change the name of ESSM 612 from "Advances in Range Improvement Practices" to "Rangeland Vegetation Management". I would also like to drop the required field trip now specified for the course.

These changes are needed to better represent the course now that it is being taught as a distance education class only, proposed to begin in the fall of 2012. In the past ESSM 612 was taught at the graduate level in large part for our graduate students, many of whom had RLEM 317 in their undergraduate programs. More recently, and particularly as a distance education class, the course has attracted students from more diverse majors, some of whom have no background in the subject matter. I believe that the way I now teach the course makes the proposed name change appropriate to more closely relate the class as a basic course in the methods used to modify rangeland vegetation for multiple land uses rather than "advances". It also better correlates to the name change proposed for the revised RLEM 317 class of Vegetation Management.

You have received copies of the proposed syllabus and class schedule. Thanks for your consideration of this request.

Sincerely,


Wayne Hamilton

ESSM 612
RANGELAND VEGETATION MANAGEMENT
An E- Learning Class

INSTRUCTOR: Wayne Hamilton: (979) 845-5589
Room 213 AI Building
Email: wt-hamilton@tamu.edu
Secretary: (979) 845-7331
Email: MAMartinez@ag.tamu.edu

Course Objectives:

1. Familiarize students with identification and significant physiological and morphological characteristics of important noxious rangeland plant species, field methods for measuring problem plants and estimating their influence on forage production, wildlife habitat, watershed characteristics and ecological restoration.
2. Acquaint students with selected current field research in grazing and brush and weed management methods and management systems. Review current environmental issues associated with rangeland vegetation management.
3. Develop students' technical background relative to selection and application of range improvement practices involving manipulation of vegetation for multiple land uses and management goals.
4. Develop students' ability to project vegetation and animal responses from grazing and brush and weed management, integrate brush management with resource use objectives, and analyze economic feasibility.
5. Familiarize students with computer-based decision aids for strategic and tactical planning of vegetation manipulation and management systems.
6. Require students to demonstrate the capability to incorporate the above course materials into problem solving via a term project and paper.

Course Grading:

The course includes a mid-semester and a final exam. A term project will be assigned.

| | |
|--------------|------|
| Midterm exam | 40% |
| Term project | 20% |
| Final exam | 40% |
| | 100% |

The following texts will be used as references in the course:

Hamilton, W.T., A. McGinty, D. N. Ueckert, C.W. Hanselka, and M.R. Lee (Eds.) 2004. *Brush Management: Past, Present and Future*. Texas A&M University Press, College Station, Texas. 251pp.

Scifres, C. J. and W. T. Hamilton. 1993. *Prescribed burning for brushland management: the south Texas example*. Texas A&M Univ. Press, College Station. 246 pp.

The above listed text books are available at the Texas A&M University Press at a discount price. Additional readings and/or notes will be provided in class or made available at a copy center for purchase.

Class Schedule

- | | |
|---------|---|
| Week 1 | Course orientation and lecture material: Range Improvement Practice Background and Review, Ecological sites and State and Transition models. Successional response potential of and the need for energy inputs. |
| Week 2 | Range Improvement Practices and Rangeland Vegetation Manipulation. Why are they important? Vegetation diversity and relative importance of rangeland vegetation components. |
| Week 3 | Rangeland Inventory: Quantifying the Brush and Weed Problem. For inventory and integrating animal requirements. The major methods for manipulating rangeland vegetation. Problem assignment. |
| Week 4 | Mechanical Practices to modify Rangeland Vegetation – Part I |
| Week 5 | Mechanical Practices to modify Rangeland Vegetation – Part II |
| Week 6 | Chemical Brush and Weed Control – Part I |
| Week 7 | Chemical Brush and Weed Control – Part II. Review of material covered for mid-semester exam. |
| Week 8 | Mid-semester Exam. |
| Week 9 | Prescribed Fire for Vegetation Management – Part I |
| Week 10 | Prescribed Fire for Vegetation Management – Part II |
| Week 11 | Biological Brush and Weed Control. Introduction to PestMan DSS. Economic analyses for improvement practices. Problem assignment. |
| Week 12 | Wildlife Management and Brush Management Interactions. |
| Week 13 | Brush Management and Watershed interactions: Parts I and II |
| Week 14 | Integrated Brush Management Systems |

Week 15 Review of material covered for Final Exam.

Week 16 Final Exam and Projects due

Note: The class schedule is a guide only and may be changed as required.

Americans with Disabilities Act (ADA)

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, in Cain Hall, Room B118, or call 845-1637. For additional information visit <http://disability.tamu.edu>

Academic Integrity

For additional information please visit: <http://aggiehonor.tamu.edu>

“An Aggie does not lie, cheat, or steal, or tolerate those who do.”