



UNIVERSITY OF WASHINGTON

OFFICE OF THE PRESIDENT

Mark A. Emmert, President

June 20, 2007

Dean B. Bruce Bare
College of Forest Resources
Box 352100

Dear Bruce:

Based upon the recommendations of the Faculty Council on Academic Standards, the Faculty Council on Tri-Campus Policy has recommended approval of an option in Restoration Ecology and Environmental Horticulture within the existing major in Environmental Science and Resource Management. A copy of the proposal is attached.

I am writing to inform you that the College of Forest Resources is authorized to offer this option beginning autumn quarter 2007 and thereafter.

The new requirements should be incorporated in printed statements and in individual department websites as soon as possible. The *General Catalog* website will be updated accordingly by the Registrar's Office.

Sincerely yours,

Mark A. Emmert
President

Enclosure

cc: Michelle Trudeau (with enclosure)
Mr. Robert Corbett (with enclosure)
Dr. Deborah H. Wiegand (with enclosure)
Todd Mildon, J.D. (with enclosure ESRM-20070402E)



UNIVERSITY OF WASHINGTON
**CREATING AND CHANGING UNDERGRADUATE
 ACADEMIC PROGRAMS**

OFFICE USE ONLY
 Control #
ES6M-20070402 E

After college/school review, send a signed original and 8 copies to FCAS, Box 355850.

APR 5 2007

For information about when and how to use this form: <http://depts.washington.edu/uwcr/1503instructions.pdf>

College Forest Resources	Department or Unit n/a	Date 4/2/07
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New Programs

Leading to a Bachelor of _____ in _____ degree.

Leading to a Bachelor of _____ degree with a major in _____.

Leading to a _____ Option within the existing major in _____.

Leading to a minor in _____.

Changes to Existing Programs

New Admission Requirements for the Major in _____ within the Bachelor of _____.

Revised Admission Requirements for the Major in _____ within the Bachelor of _____.

Revised Program Requirements for the Major in _____ within the Bachelor of _____.

Revised Requirements for the Option in Rest Ecol Env Ht within the major in Environmental Science & Res Mgmt.

Revised Requirements for the Minor in _____.

Other Changes

Change name of program from _____ to _____.

New or Revised Continuation Policy for _____.

Eliminate program in _____.

Proposed Effective Date:

Quarter: Autumn Winter Spring Summer **Year: 20** 07

Contact Person Michelle Trudeau	Contact's Phone 206 -- 616 -- 1533	Contact's Email michtru@u.washington.edu
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EXPLANATION OF AND RATIONALE FOR PROPOSED CHANGE

For new programs, please include any relevant supporting documentation such as student learning outcomes, projected enrollments, letters of support and departmental handouts. (Use additional pages if necessary).

Humans are altering ecosystems and ecosystem services at an accelerating rate. There is an increasing need for professionals trained in restoration ecology and environmental horticulture. Restoration students will be trained to work for agencies, tribes, consulting companies, and others to help repair previous damage. Environmental Horticulture prepares students to teach and practice sustainable landscaping and to develop nurseries to support restoration efforts. We believe there is student demand for this. Just a few years prior to the elimination of the Environmental Horticulture and Urban Forestry major we had revised it to focus on restoration and environmental horticulture. Students appeared to be responding to it, with steady annual increase in enrollment. We believe the option in Restoration Ecology and Environmental Horticulture will be very popular.

CATALOG COPY

Catalogue Copy as currently written. Include only sections/paragraphs that would be changed if you request is approved. Please cross out or otherwise highlight any deletions.

New option.

PROPOSED CATALOG COPY

Reflecting requested changes (Include exact wording as you wish it to be shown in the printed catalog. Please underline or otherwise highlight any additions. If needed, attach a separate, expanded version of the changes that might appear in department publications)

All requirements of ESRM will remain the same except:

Restricted Electives (35 credits): 300- or 400-level courses from within the College of Forest Resources. 15 of the 35 credits must be at the 400 level. To receive the Restoration Ecology and Environmental Horticulture Option in Environmental Science and Resource Management (35 credits) students must complete: ESRM 331; ESRM 362; ESRM 411 or ESRM 412; ESRM 415; ESRM 444 or ESRM 451; ESRM 473 or ESRM 302; ESRM 478; ESRM 480.

(See also attached option proposal from our curriculum committee.)

SIGNATURES (required)

Chair/Program Director	<i>Brian Tomelty</i>	Date	4/4/07
Dean	<i>B. Bruce Base</i>	Date	4/4/07
College Committee	<i>Stephen D. West</i>	Date	3 April 2007
Faculty Council on Academic Standards	<i>Gregg Zeller</i>	Date	4/13/07

Post Incamps: *Gregg Zeller*

5/25/07

ESRM Option Proposal in Restoration Ecology and Environmental Horticulture

1. Proposed Option Title

Restoration Ecology and Environmental Horticulture

2. Brief rationale for the option

Humans are altering ecosystems and ecosystem services at an accelerating rate. There is an increasing need for professionals trained in restoration ecology and environmental horticulture. Restoration students will be trained to work for agencies, tribes, consulting companies, and others to help repair previous damage. Environmental Horticulture prepares students to teach and practice sustainable landscaping and to develop nurseries to support restoration efforts. We believe there is student demand for this. Just a few years prior to the elimination of the Environmental Horticulture and Urban Forestry major we had revised it to focus on restoration and environmental horticulture. Students appeared to be responding to it, with steady annual increase in enrollment. We believe this version will be very popular.

3. Faculty Lead/Advisor

Jim Fridley will be the lead for the '07-'08 academic year and Sarah Reichard will take over on her return from sabbatical.

4. Affiliated Faculty and roles of each

All would be available to direct senior theses

Jonathan Bakker - required course instructor

Bob Edmonds - required course instructor

Kern Ewing - required course instructor and Co-Director of the Restoration Ecology Network (REN)

Jim Fridley - Faculty advisor and required course instructor

Bob Gara - required course instructor, Professor Emeritus

Dean Glawe - course instructor

Warren Gold - REN Co-Director

Tom Hinckley - course instructor

Soo Hyung Kim - required course instructor

David Mabberley - Director of the University of Washington Botanic Gardens

Sarah Reichard - required course instructor

John Wott - required course instructor, Professor Emeritus

5. Specific ESRM courses required for the option. (Course requirements for an option shall not exceed the 35-credit restricted electives specified in the upper level ESRM core course requirements. Recall that these are ESRM or PSE courses only; Q Sci by petition)

ESRM 331 (3) Landscape Plant Recognition

ESRM 362 (4) Introduction to Restoration Ecology

ESRM 411 (3) Plant Propagation OR ESRM 412 (3) Native Plant Production

ESRM 415 (5) Invasive Plants

ESRM 444 (5) Forest Ecosystems Protection OR ESRM 451 (5) Urban Plant Protection

ESRM 473 (5) Ecosystem-based Restoration OR ESRM 302 (5) Restoration Design

ESRM 478 (5) Ecophysiology

ESRM 480 (5) Landscape Plant Management

6. Identify when each required course will be taught and by whom.

ESRM 302 (5) Restoration Design (Fridley and Ewing, Spring, except '08 when it will be Fridley)

ESRM 331 (3) Landscape Plant Recognition (Reichard and Wott Spring '07, Wott Spring '08, Reichard and Wott Spring '09, Reichard thereafter each Spring)

ESRM 362 (4) Introduction to Restoration Ecology (Bakker, Autumn, regular basis)

ESRM 411 (3) Plant Propagation (Wott Spring '07, '08, '09)

ESRM 412 (3) Native Plant Production (Bakker, Spring, regular basis)

ESRM 415 (5) Invasive Plants (Reichard, will not be taught until Autumn '08 or Winter '09 due to sabbatical)

ESRM 444 and 451 Ecosystem or Urban Plant Protection (Edmonds and Gara, Spring, regular basis alternating, 444 odd years, 451 even) NOTE: They are discussing combining into one

ESRM 473 (5) Ecosystem-based Restoration (Ewing, will not be taught until winter '09 due to sabbatical)

ESRM 478 (5) Ecophysiology (Kim, Winter, regular basis)

ESRM 480 (5) Landscape Plant Management (Kim, Autumn, regular basis)

7. Describe how the required capstone experience will be designed and administered.

There are two options for the capstone.

1. The capstone for the Restoration Ecology Network has been operating for several years. It would be appropriate for students who want to work in restoration with agencies, tribes, or consulting companies. It is 10 credits over three quarters, but all three quarters must be completed in a single year to receive credit (ESRM 462, 463, 464). In ESRM 462 students do exercises in site assessment, plant identification, and proposal reading/writing. In ESRM 463, students form groups and meet their clients, respond to the request for proposals, and develop a work plan. In ESRM 464, students complete the installation, develop monitoring and maintenance plans, and instruct their clients on these plans. They must also do a poster presentation.

2. Students who want more research experience and/or plan to attend graduate school may opt for a senior thesis (ESRM 494, ESRM 496) for 10 credits. They will identify an appropriate faculty advisor. This can be taken during the academic year or in the summer if a faculty advisor is willing. Students should plan on one quarter to develop their proposal and at least one quarter to do the work. They will write a research proposal and upon approval from the advisor will implement the work. The product will be a formal written research report to the advisor and an oral report that is presented to the CFR community.

8. Suggested review and evaluation criteria for the option

Review should not occur until a full cycle of students has moved through the major and option.

Possible evaluation criteria include:

- Increasing numbers of students declaring the option
- Increasing student credit hours in the required classes
- Active involvement of the affiliated faculty in teaching and advising
- Increased recognition and support from the community
- Exit interviews with students
- Additional support for teaching the required classes

Environmental Science and Resource Management

Option in Restoration Ecology and Environmental Horticulture (ESRM-20070402E)

Tri-Campus Review Comments:

-NA-

UNIVERSITY CAMPUSES UNDERGRADUATE PROGRAM REVIEW PROCEDURES**

CHECKLIST

Title of Proposal: Undergraduate option in Restoration Ecology and Environmental Horticulture (ESRM-20070402E)

Proposed by (unit name): Forest Resources

Originating Campus:

UW, Seattle

UW, Bothell

UW, Tacoma

I. Phase I. Developed Proposal Review (to be completed by Originating Campus' Academic Program Review body)

A. Review Completed by: FCAS

Chaired by: George Dillon

04/13/07 Date proposal received by originating campus's review body

04/13/07 Date proposal sent to University Registrar

04/16/07 Date proposal posted & email sent to standard notification list

05/25/07 Date of originating campus's curriculum body approval

(Note: this date must be 15 business days or more following date of posting)

B. 0 Number of comments received. Attach the comments and a summary of the consideration and responses thereof : (1-2 paragraphs)

II. Phase II. Final Proposal Review (to be completed by FCTCP)

A. Review Completed by:

FCTCP subcommittee

FCTCP full council

Chaired by: Marcia Killien

5/30/07 Date request for review received from University Registrar

6/5/07 Date of FCTCP report

B. Review

YES NO

Was notice of proposal posted on UW Website for 15 business days?

Was notice of proposal sent to standard mailing list 15 business days in advance of academic program review?

Were comments received by academic program review body?

Was response to comments appropriate? (explain, if necessary)

Was final proposal reviewed by FCTCP within 14 days of receipt?

Was there adherence to the University Campuses Undergraduate Program Review Process? (explain, if necessary)

Summary:

There were no comments received, thus no response was indicated. The timelines were adhered to.

C. Recommendation

Forward for final approval

Forward to Provost because of University issues (Explain)

Return to campus council because of insufficient review (Explain).

**Endorsed by Faculty Senate Executive Committee, 1/10/05, modified 1/31/06; These procedures apply to new undergraduate degrees, majors, minors (and certificates) and substantive changes to same