Category I Proposal Transmittal Sheet
Submit proposals to: Office of Academic Planning and Assessment
110 Kerr Admin -- Oregon State University

For instructions, see http://oregonstate.edu/ap/curriculum/cat1.html. Please attach Proposal, Library Evaluation (performed by the library), Liaison Correspondence, Faculty Curriculum Vitae and Budget Sheets, as appropriate.

Check one:

**Full Proposal**
- ☐ New degree program
- ☐ New certificate program or administrative unit
- ☐ Major change in existing program
- ☐ Establishment of a new College or Department

**Abbreviated Proposal**
- ☑ Rename of an academic program or unit
- ☐ Reorganization – moving responsibility for an academic program from one unit to another
- ☐ Merging or splitting an academic unit
- ☐ Termination of an academic program or unit
- ☐ Suspension or reactivation an academic program or unit

For proposals to establish a new center or institute, contact the Research Office (737-3437).

For requests to offer existing certificate and degree programs at new locations, use the New Location Request Form available on the Web: http://www.ous.edu/acas/aca-forms.html

Title of Proposal: Proposal for a Change in Academic Program Name Su 13

Department/Program: Forest Engineering, Resources, and Management

College: Forestry

Effective Date: 10.12.12

I certify that the above proposal has been reviewed and approved by the appropriate Department and College committees:

[Signatures and dates]

Sign (Dept Chair/Head; Director) 10.12.12

Sign (Dean of College) 10.12.12

Print (Department Chair/Head; Director) Print (Dean of College)
Renaming an Academic Program Proposal
Forestry - BS, HBS

Status: Pending Review - Curriculum Council Chair (Previous Version)

1. Review - College Approver - Forestry

Approved by Edward Jensen Assoc Dean-Academic Affairs / College of Forestry Adm, November 9, 2012 4:32pm

Comments

Edward Jensen (College Approver - Forestry) November 9, 2012 4:32pm
Changes to learning outcomes are referenced several times in the proposal, but the new learning outcomes are not included in the proposal. It seems to me that they should be included, but perhaps the plan is to include them in subsequent CAT II proposals. Regardless, I support the name change.

2. Review - Curriculum Coordinator

Sent Back by Sarah Williams Coord-Curriculum / Acad Prgms/Assess/Accred, December 11, 2012 1:28pm

Comments

Sarah Williams (Curriculum Coordinator) December 11, 2012 1:28pm
Returning to Originator for revisions following Academic Programs Committee meeting.

3. Originator Response

Suzanne Plagmann Office Specialist 2 / Forest Eng/Resources/Mgmt, January 8, 2013 9:03am

Comments

Suzanne Plagmann January 8, 2013 9:03am
Recommended revisions have been incorporated into the proposal documents as discussed in the December committee meeting.

4. Review - Curriculum Coordinator

Approved by Gary Beach Coord-Curriculum / Acad Prgms/Assess/Accred, January 8, 2013 9:25am

Comments

Gary Beach (Curriculum Coordinator) January 8, 2013 9:25am
The BS in Forestry proposal has been revised per comments and recommendations from the Academic Programs Committee and the Office of Academic Programs, Assessment, and Accreditation. The proposal is now ready for review by the Budgets and Fiscal Planning Committee.

--Gary

5. Review - Budgets and Fiscal Planning Committee

Sent Back by Walter Loveland, January 31, 2013 3:48pm

Comments

Walter Loveland (Budgets and Fiscal Planning Committee) January 31, 2013 3:48pm
The BFP group is confused by some details of the proposal. They are: (a) the budget appears to be the total budget of the re-aligned program not the incremental cost of the re-alignment. If this is correct, then the budget needs to be changed to just reflect the incremental costs. (b) the conversion of the program to a PPM model is supposed to be in another Cat I proposal but appears to be the subject of an extensive set of budget notes. Can the proposed changes occur without the PPM model being implemented? If so, we suggest deleting references to this model and presenting this change as a stand-alone change.
6. Originator Response
Suzanne Plagmann Office Specialist 2 / Forest Eng/Resoures/Mgmt, February 4, 2013 3:12pm

We want to demonstrate that we fully understand the magnitude of what we are taking on. At your suggestion, we have added an explanation to the leading comments in the proposal stating that the budget reflects the incremental cost of the full realignment and why we are doing it this way. Thanks very much for your feedback. Claire

7. Review - Budgets and Fiscal Planning Committee
Approved by Walter Loveland, February 14, 2013 6:48pm

8. Review - Graduate Council Chair
Approved by Gary Beach Coord-Curriculum / Acad Prgms/Assess/Accred, February 15, 2013 9:41am

Gary Beach (Graduate Council Chair) February 15, 2013 9:41am

This is an undergraduate curriculum proposal. It is therefore being moved to the Curriculum Council for their review. --Gary

9. Review - Curriculum Council Chair
Sent Back by Michael Bailey Professor / Sch Elect Engr/Comp Sci, March 18, 2013 7:52am

Comments
Michael Bailey (Curriculum Council Chair) March 18, 2013 7:52am
Returned for proposer revisions

10. Originator Response
Suzanne Plagmann Office Specialist 2 / Forest Eng/Resoures/Mgmt, March 18, 2013 1:49pm

We have reviewed our proposal documents and made the changes recommended by the curriculum council.

11. Review - Curriculum Council Chair
Sent Back by Michael Bailey Professor / Sch Elect Engr/Comp Sci, April 2, 2013 10:47am

Comments
Michael Bailey (Curriculum Council Chair) April 2, 2013 10:47am
Sent back for originator revisions.

12. Originator Response
Suzanne Plagmann Office Specialist 2 / Forest Eng/Resoures/Mgmt, April 2, 2013 11:08am

Recommended document revisions (made 18 Mar 2013) have been uploaded.

13. Review - Curriculum Council Chair
Pending Review

More Queued Reviews (4)

Faculty Senate Exec Committee; Provost /Academic Affairs; Academic Programs; Catalog Coordinator

Proposal
Proposal ID:85162
Type:Renaming an Academic Program
This name change reflects a broadening of the program focus. Along with the name change, we are proposing a restructuring of this program into a Professional Program Model (PPM). This will involve several curricular changes in order to streamline and enhance our programs. The PPM and accompanying curricular changes are being processed via Category II proposals. Options will support the curriculum core in areas of Forest Management and Forest Operations Management. A third Option will be added to expand the area of Forest Conservation Management. The Forestry PPM has been submitted separately as Category II proposal #85411. Links to Category II proposals for individual course changes are listed therein. The budget submitted here reflects the incremental cost of implementing all of our proposed changes, including implementing a PPM for our existing Forest Engineering degree and our Forest Engineering / Civil Engineering double degree (see Category II proposals #85412 and #85509). We were encouraged to proceed in this fashion in the interest of transparency so that the review committees and the Curriculum Council will understand the full extent of the changes we propose to implement and know that we understand the costs involved.

Review Process:
Academic Programs Committee: December 10, 2012
College of Forestry -- APPROVED: October 12, 2012
Budgets and Fiscal Planning Committee -- APPROVED: February 14, 2013
Curriculum Council --
Executive Committee:
Faculty Senate --
OSU Provost --
OUS Provosts' Council --

History
Active Version - Submitted April 2, 2013 11:08am
Version 4 - Submitted March 18, 2013 1:49pm
Version 3 - Submitted February 4, 2013 3:12pm
Version 2 - Submitted January 8, 2013 9:03am
Version 1 - Submitted November 5, 2012 4:23pm

Originators
<table>
<thead>
<tr>
<th>NAME</th>
<th>TITLE</th>
<th>DEPARTMENT/SCHOOL</th>
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<tbody>
<tr>
<td>Suzanne Plagmann</td>
<td>Office Specialist 2</td>
<td>Forest Eng/Resourcs/Mgmt</td>
</tr>
<tr>
<td>Marvin Pyles</td>
<td>Professor</td>
<td>Forest Eng/Resourcs/Mgmt</td>
</tr>
</tbody>
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Contacts
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<tr>
<th>NAME</th>
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<tbody>
<tr>
<td>Claire Montgomery</td>
<td>Interim Department Head</td>
<td>Forest Eng/Resourcs/Mgmt</td>
</tr>
<tr>
<td>Angela Haney</td>
<td>Mgr-Office</td>
<td>Forest Eng/Resourcs/Mgmt</td>
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Proposal Details
Program Type: Undergraduate Major
Current Program Name: Forest Management - BS, CRED, HBS
New Program Name: Forestry - BS, HBS

Supporting Documents
Executive Summary

Institution: Oregon State University
College/School: College of Forestry
Department: Forest Engineering, Resources, and Management (FERM)

This proposal will change the title of the B.S. in Forest Management to the B.S. in Forestry. Within the renamed major, we will offer options in Forest Management and Forest Operations Management. The existing set of seven options in the Forest Management major will no longer be offered, but selected courses from them will be designated as preferred electives in the proposed B.S. in Forestry professional program model. The Forest Operations Management degree will no longer exist as a separate degree program.

A separate Category I proposals is being submitted to establish a Professional Program Model (PPM) for the B.S. in Forestry degree. Curriculum changes are being processed through the Category II process, which are necessary to restructure the existing program into a professional program model, streamline course offerings, add a two-week Forestry Field School, and an optional Cooperative Education program. The department intends to develop and propose a third option in Forest Conservation Management in the near future.

The proposed changes are driven specifically by an increased need for:

- Efficiency in curriculum delivery to bring the teaching portion of the budget more in line with the available allocation from the University;
- Closer relationships with Ecampus and community colleges, which are educating more and more of our students before their “professional” schooling at OSU;
- A higher, targeted number of graduates per year (~35), who have achieved the learning outcomes and who will compete successfully for desired forestry positions upon completion of their program.

The B.S. in Forestry major will continue to be a professional degree accredited by the Society of American Foresters (SAF) and will be administered by the FERM Department. The FERM Department Head will serve as Director of the Faculty of Professional Forestry. Professional forestry degrees emphasize active management of forests to achieve a wide array of social, economic, biological and ecological objectives. Participating faculty within the FERM, Forest Ecosystems and Society (FES), and the Wood Science and Engineering (WSE) departments in the College of Forestry comprise groups of scientists with overlapping disciplines and interests which are necessary for designing solutions to research or policy challenges.

Active management that meets multiple objectives for forests and natural resources is increasingly important to prospective students, employers and the public. The proposed B.S. in Forestry program will reflect, respond to, and help shape forest land management into the future.
Abbreviated Category I Proposal

Change Degree Program Title:

B.S. in Forest Management to B.S. in Forestry
with
Forest Management Option
Forest Operations Management Option

and

Terminate Degree Program:

B.S. in Forest Operations Management

Oregon State University
College of Forestry
Department of Forest Engineering, Resources and Management

December 2012

Proposed Effective Term: Summer 2013 (201400)

CPS Tracking #85162
1. Program Description

a. Proposed Classification of Instructional Programs (CIP) number:

<table>
<thead>
<tr>
<th>CIP #: 03.0506</th>
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<tbody>
<tr>
<td>Title: Forest Management/Forest Resources Management</td>
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<tr>
<td>Definition: A program that prepares individuals to apply principles of forestry and natural resources management to the administration of forest lands and related resources. Includes instruction in silviculture, forest mensuration, forest protection, inventorying, biometrics, geographic information systems, remote sensing, photogrammetry, forest policy and economics, forest land use planning, fire protection and management, and related administrative skills.</td>
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b. Brief overview (1-2 paragraphs) of the proposed program, including its disciplinary foundations and connections; program objectives; programmatic focus; degree, certificate, minor, and concentrations offered.

This proposal will change the title of the B.S. in Forest Management to the B.S. in Forestry. This change is designed to reflect a broadening of the program focus such that classical Forest Management will be an option, accompanied by integration of the current Forest Operations Management program as an option, and a Forest Conservation Management option that is still under development. These changes are expected to make the overall degree program more attractive for student recruitment. Curriculum changes are being proposed through the Category II process, and reflect a restructuring of the program into a professional program model (PPM), a streamlining of the course offerings, the additional of a two-week field school, and the addition of a Cooperative Education program. This name change, coupled with the two options now being proposed and the third option to follow, will respond to the changing desires of prospective students and to the changing needs of state and federal agency and non-governmental organization employers, as well as forest industry employers.

Professional B.S. degrees in the College of Forestry at Oregon State University that are accredited by the Society of American Foresters (SAF) include B.S. degrees in Forest Management, Forest Operations Management, Forest Engineering, and Forest Engineering/Civil Engineering (dual degree). These degrees are not offered at other campuses in OUS. The Forest Management degree is offered by the College, but is administered by the Department of Forest Engineering, Resources and Management (FERM). The FERM Department Head serves as Director of the Faculty of Forest Management which comprises faculty members within the FERM Department and the Forest Ecosystems and Society (FES) department so that both departments share in the intellectual management of the curriculum and the teaching effort. The Forest Operations Management and Forest Engineering degrees are
offered and supported by the FERM department. The Forest Engineering degree is also a part of the Forest Engineering/Civil Engineering double degree program, jointly offered and supported by the FERM department and the School of Civil and Construction Engineering.

These Professional Forestry degrees emphasize active management of forests to achieve a wide array of social, economic, biological and ecological objectives. Participating faculty members within the FERM and FES departments comprise groups of scientists with overlapping disciplines and interests necessary for designing solutions to research or policy challenges. Those solutions in the form of active management meet multiple objectives for forests and natural resources. Such active management is increasingly important to prospective students, employers and the public. The proposed Forestry program will reflect, respond to, and help to shape forest land management into the future.

The B.S. in Forestry major will continue to be a professional degree accredited by the Society of American Foresters and will be administered by the FERM department. The FERM Department Head will serve as Director of the Faculty of Professional Forestry, which will comprise faculty members from the Departments of FERM, FES, and Wood Science and Engineering (WSE) who participate in the delivery of courses or who express an interest in participating in curricular matters. The Forest Operations Management degree will no longer exist as a separate degree program. As at present, students will be required to complete an option within the major to earn their degree. Within the renamed major, we will offer options in Forest Management and Forest Operations Management. The department intends to develop and propose a third option in Forest Conservation Management in the near future.

Learning outcomes will be modified to reflect the evolving priorities detailed above and to allow regular assessment of this curriculum. Verbal, written and interpersonal communication skills will be emphasized throughout, as will the development of critical thinking, quantitative reasoning and problem-solving skills. Students will be expected to gain an awareness and understanding of differing viewpoints, and to demonstrate knowledge of broad ecosystems services from forests, global forestry issues, sustainable forest management practices, and professional certification processes.

A summary of proposed course changes is provided in the table below:

<p>| NEW |</p>
<table>
<thead>
<tr>
<th>B.S. in Forestry</th>
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<tbody>
<tr>
<td>Degree Type: <strong>Bachelor of Science (B.S.)</strong></td>
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<tr>
<td>Program Type: <strong>Undergraduate</strong></td>
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<tr>
<td>Academic Home: <strong>College of Forestry, Department of Forest Engineering, Resources and Management</strong></td>
</tr>
<tr>
<td>Contact: <strong>Claire Montgomery</strong>, <a href="mailto:claire.montgomery@oregonstate.edu">claire.montgomery@oregonstate.edu</a></td>
</tr>
</tbody>
</table>
- Undergraduate Options:
  - Forest Management
  - Forest Operations Management
- CPS #: 85162, [https://secure.oregonstate.edu/ap/cps/proposals/view/85162](https://secure.oregonstate.edu/ap/cps/proposals/view/85162)
- CIP #: 03.0506
- SIS #: XXX – To be assigned by the Registrars’ Office
- College Code: 05
- Course Designator: FOR (existing); FE (existing)
- Courses: Several new courses, and modifications to existing courses, will result due to these proposed changes (via separate Category II proposals).
- Delivery Mode and Location: On-campus / OSU-Main (some skills courses and lower division courses will be offered at community colleges and we plan to develop Ecampus courses for those not commonly offered at community colleges)
- Enrollment Limitations: None
- Accreditation: Society of American Foresters. The next accreditation site visit is scheduled for 2021.
- Program Unique Within the Oregon University System: Yes
- Proposed Effective Term: Summer 2013 (Banner: 201400)

**TERMINATE**

Degree
- B.S. in Forest Management (CIP # 03.0506)
- B.S. in Forest Operations Management (CIP # 14.3401)

Options
- Forest Ecosystem Science Option
- Forest Environmental Consultation Option
- Human-Forest Interactions Option
- International Forestry Option
- Plantation Silviculture Option
- Restoration of Forested Landscapes Option
- Wildland Fire Management Option

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c. Course of study – proposed curriculum, including course numbers, titles, and credit hours.

Please see Appendix document for a detailed course listing.

Curriculum changes are being proposed through the Category II process, and reflect a restructuring of the program into a professional program model (PPM), a streamlining of the course offerings, the addition of a two-week field school, and an optional Cooperative Education program.
Learning outcomes will be modified as detailed in 1b.

d. Manner in which the program will be delivered, including program location (if offered outside of the main campus), course scheduling, and the use of technology (for both on-campus and off-campus delivery).

The program will continue to be offered in its entirety on the Corvallis campus. In addition, we will be moving skill-based courses that are or can be offered by the community colleges to the lower-division level, with a plan for a larger percentage of COF students to pursue a community college pathway to the B.S. in Forestry degree. The higher prevalence of students entering the Forestry degree program via a community college pathway will result in lower costs to students while reducing our teaching obligation in high-cost skill courses. We plan to develop Ecampus courses for those lower division courses in the degree program not commonly available at Oregon community colleges so that students can complete the Pre-Forestry program through a hybrid community college/Ecampus model. When we are ready to develop an Ecampus course, we will consult with Ecampus staff. (See additional documents for current status of articulation agreements.)

e. Ways in which the program will seek to assure quality, access, and diversity.

No change from present. The program will continue to make educational quality, access and diversity a priority via internal review and third-party inspection and accreditation. Ongoing refinement of assessable learning outcomes will aid in this continued effort.

f. Anticipated fall term headcount and FTE enrollment over each of the next five years.

Annual enrollment has been between 25-40 new students per year in the Forest Management program and 4-10 per year in the Forest Operations Management program over the last 5 years for a combined total of 35-50 new students per year. New enrollment numbers have been steadily increasing in both programs since at least 2005. Our goal is to market the renamed program more effectively to potential students and further increase new enrollment over the next five years.

g. Expected degrees/certificates produced over the next five years.

The Forest Management degree program has produced an average of just barely 20 graduates per year. The Forest Operations Management degree program has an average of 6 graduates per year over the last 5 years. The latter program is new and produced its first graduates were in 2008. We expect the combined program will meet current University expectations and that it will do so by an increasing margin over time. We anticipate that graduation numbers will increase further with the implementation of the Forest Conservation Management option that is currently under development.
h. Characteristics of students to be served (resident/nonresident/international; traditional/nontraditional; full-time/part-time; etc.)

We expect that the shift to a broader focus on forestry, coupled with expansion of Ecampus course offerings and better collaboration with community colleges in the region, will lead to increased out-of-state and non-traditional student enrollment.

i. Adequacy and quality of faculty delivering the program.

The current Faculty of Forest Management will be renamed to Faculty of Professional Forestry and expanded to include faculty from Wood Science and Engineering who may deliver courses or participate in curriculum management. This will increase the breadth of expertise in the pool of participating faculty. Please see attached list of current members of the "Faculty of Forest Management" who are engaged in delivering professional undergraduate degree programs.

j. Faculty resources – full-time, part-time, adjunct.

The current Faculty of Forest Management will be renamed to Faculty of Professional Forestry and expanded to include faculty from Wood Science and Engineering who will deliver courses or participate in curriculum management.

k. Other staff.

No change from present.

l. Facilities, library, and other resources.

No change from present.

m. Anticipated start date.

Summer of 2013.

2. Relationship to Mission and Goals

a. Manner in which the proposed program supports the institution’s mission and goals for access; student learning; research, and/or scholarly work; and service.

The proposed B.S. in Forestry will continue to support the Land Grant Mission with specific focus on preparing students for careers in a major economic sector of Oregon. The program creates learning opportunities that will enable students to be leaders in the management of our state’s forests and their associated natural resources, thereby contributing to the overall economic, environmental and social health of the region.
b. Connection of the proposed program to the institution’s strategic priorities and signature areas of focus.

This proposal renames and repackages two current degree programs in forestry. The existing programs have been relatively successful in terms of serving the needs of the constituents of the College of Forestry, but neither the current Forest Management program nor the Forest Operations Management program consistently meet current university expectations for annual graduate numbers. We believe that the updated and revitalized programs that we are proposing will meet the changing demands of students, employers and society, and do so with larger enrollment and graduate numbers. We believe that the name and curricular changes, coupled with an aggressive marketing plan supported by the Dean of the College of Forestry, will yield increased graduate numbers over the next several years, including increased enrollment from out-of-state students. The degree program directly supports university priorities to advance sustainability and promote economic growth.

c. Manner in which the proposed program contributes to Oregon University System goals for access; quality learning; knowledge creation and innovation; and economic and cultural support of Oregon and its communities.

See 2a and 2b.

d. Manner in which the program meets broad statewide needs and enhances the state’s capacity to respond effectively to social, economic, and environmental challenges and opportunities.

In the near term, success with recruiting more students to a revised program will enable us to better meet the needs of Oregon’s forestry and natural resource professions. Ultimately, we intend to educate a new generation of leaders for a rapidly-evolving and increasingly complex forestry profession. There are no specific foreseen negative impacts to FERM, the College of Forestry, or to other campus units.

Students in the Forestry major will have the explicit flexibility to explore minors in other OSU departments, as well as options within the major. There are many changes occurring in the profession of forestry. Markets are emerging for new products such as woody biomass as feedstock for liquid fuels or for ecosystems services such as aquatic fisheries habitat, clean water, scenic vistas, and carbon sequestration. Demand is growing for forest managers who are capable of managing for this broader set of objectives and employing a broader set of forest and people management skills than in the past. The new degree will further prepare graduates to meet the changing needs of the geographic region and the forestry profession.

3. Accreditation

a. Accrediting body or professional society that has established standards in the area in which the program lies, if applicable.
The B.S. in Forest Management and the B.S. in Forest Operations Management are accredited by the Society of American Foresters until 2021. We do not believe that the proposed course and degree requirement changes will result in a loss of accreditation. Once all changes have been approved, we intend to submit them to the accrediting authority via a substantive change form. The proposed curricular changes were received favorably during a recent site visit by the accreditation team. Please see attached Letter of Support in the proposal.

b. Ability of the program to meet professional accreditation standards. If the program does not or cannot meet those standards, the proposal should identify the area(s) in which it is deficient and indicate steps needed to qualify the program for accreditation and date by which it would be expected to be fully accredited.

Changing the name of the degree should not affect accreditation. We do not believe that the proposed course and degree requirements will result in a loss of accreditation. Once all changes have been approved we intend to submit them to the accrediting authority via a Substantive Change form. This idea for potential name change and associated curricular changes was received favorably during a recent site visit by the accreditation team.

c. If the proposed program is a graduate program in which the institution offers an undergraduate program, proposal should identify whether or not the undergraduate program is accredited and, if not, what would be required to qualify it for accreditation.

Not applicable.

d. If accreditation is a goal, the proposal should identify the steps being taken to achieve accreditation. If the program is not seeking accreditation, the proposal should indicate why it is not.

As stated in 3b. The B.S. degrees in Forest Management and Forest Operations Management are accredited by the Society of American Foresters until 2021. Once all changes have been approved we intend to submit them to the accrediting authority.

4. Need

a. Evidence of market demand.

Graduates with a B.S. in Forest Management or Forest Operations Management currently are in high demand despite the economic downturn. We typically see 85-90% employment of those graduates seeking work in the field. Employers tell us that this demand will increase with a rebound in the economy and expected retirements in the current workforce. In addition, an expansion of the Forest Management program is intended to more broadly train forest land managers in the biological, physical, and socioeconomic factors that influence forest policies and management actions. In
addition to the forest industry, our graduates will be prepared to work for non-
industrial landowners, federal and state agencies, non-profits and non-governmental
organizations.

b. If the program’s location is shared with another similar OUS program, proposal
should provide externally validated evidence of need (e.g., surveys, focus groups,
documented requests, occupational/employment statistics and forecasts).

Not applicable.

c. Manner in which the program would serve the need for improved educational
attainment in the region and state.

The proposed Bachelor of Science degree in Forestry will educate forest land
managers in the biological, physical, and socioeconomic factors needed to manage
forest land for an array of management and policy objectives. The graduates of the
program will work for the forest industry, non-industrial forest landowners, federal and
state forest land management agencies, and non-governmental conservation
organizations and use the education that they received. The Forestry program is an
accredited program that allows students to achieve curricular outcomes and pursue
fulfilling and rewarding careers.

Nationally, the education of undergraduate students in forest management and
sciences includes interdisciplinary approaches to complex processes in addition to
the traditional, rigorous discipline-specific courses of study. In addition to traditional
forest management activities the professional forester must be knowledgeable
regarding restoration of forested landscapes, the management of forest fires, wildlife
habitat and other ecosystem services. These ecosystem services may involve the
selective, intensive management of some forested landscapes to achieve
conservation goals and sustain local landscapes and economies. Many conservation
organizations manage forest land and need the services of professional foresters.
The USDA Forest Service and USDI Bureau of Land Management hire professional
foresters with a land conservation background and the international conservation
community needs a workforce with a professional science-based education. The
proposed Forestry program will reflect, respond to, and shape this evolving field.

d. Manner in which the program would address the civic and cultural demands of
citizenship.

See 4c.

5. Outcomes and Quality Assessment

a. Expected learning outcomes of the program.

Verbal, written and interpersonal communication skills are emphasized, as are the
development of critical thinking and problem-solving skills. Students will be expected
to gain an awareness and understanding of differing viewpoints, and to demonstrate knowledge of international forestry, sustainable forest management, certification processes and broad ecosystems services. Students will continue to complete a work experience as part of their graduation requirements.

Learning outcomes for the proposed B.S. in Forestry program:

- Demonstrate knowledge of forest ecology and silviculture principles to understand how forests and forested watersheds respond to natural disturbances or management activities.
- Develop skills in geospatial analysis, basic surveying, mapping, and GIS.
- Demonstrate ability to measure and inventory forest vegetation with precision and accuracy.
- Develop an understanding of forestry investment analysis and be able to evaluate typical financial investments in forestry.
- Demonstrate an understanding of the development and execution of tactical and operational forest plans that support achievement of desired future stand conditions and strategic goals.
- Demonstrate an understanding of the social and political context of forestry and be able to describe current policies, laws, and regulations governing the management of forest lands.

Additional learning outcomes for the Forest Management Option:

- Demonstrate knowledge of forest vegetation modeling and the ability to forecast its development over time using models of forest growth.
- Demonstrate an understanding of the importance of communication in both planning and practice settings, and be able to communicate effectively with coworkers and stakeholders on forest resource issues and practices.
- Demonstrate understanding of interaction of vegetation, wildlife, insects, and disease on forested landscapes.
- Demonstrate ability to identify major forest ecosystems of the PNW and describe their changes over time, with and without human influence/management.
- Demonstrate knowledge of intertemporal management and planning at the forest and landscape levels, and the ability to develop alternative management scenarios for forest lands for an array of objectives including forest products, environmental services, social amenities cultural and other resource values.

Additional learning outcomes for the Forest Operations Management Option:

- Demonstrate the knowledge of the potential effects of forest operations on soils, wildlife and water resources by being able to show the tradeoffs of various harvesting systems on soils, wildlife and water resources.
- Demonstrate knowledge of business laws by being able to apply them to common business practices conducted in a contracting relationship.
• Demonstrate the ability to apply appropriate knowledge of surveying and mapping tools to implement forest operations by being able to survey and map roads, critical habitat and other common forest features.
• Demonstrate the ability to collect forest and financial data to analyze the profitability of various forest operations.
• Develop expertise with technology, equipment, and systems by selecting the systems to be used in conducting forest operations to plan and conduct activities that achieve silvicultural objectives.
• Demonstrate the ability to plan and administer safe working practices in a variety of forest operations.

b. Methods by which the learning outcomes will be assessed and used to improve curriculum and instruction.

Current methods of assessment will be continued. These involve review of course grades and student progress to graduation, student self-assessment, exit interviews of graduating students, and periodic employer and alumni surveys.

c. Program performance indicators, including prospects for success of program graduates (employment or graduate school) and consideration of licensure, if appropriate.

We expect to continue to see high employability of graduates. The proposed B.S. in Forestry program is intended to more broadly educate and train forest land managers in the biological, physical, and socioeconomic factors that influence forest policies and management actions. Our graduates will be prepared to work for the forest industry, non-industrial landowners, federal and state agencies, non-profits and non-governmental organizations. We also expect graduates to have the opportunity to pursue a greater breadth of graduate degrees in natural resources and related areas.

d. Nature and level of research and/or scholarly work expected of program faculty; indicators of success in those areas.

No change from current expectations.

6. Program Integration and Collaboration

a. Closely related programs in other OUS universities and Oregon private institutions.

The current and proposed program is unique in OUS and in the Pacific Northwest.

b. Ways in which the program complements other similar programs in other Oregon institutions and other related programs at this institution. Proposal should identify the potential for collaboration.
The proposed program will integrate the Forest Operations Management program, and better complement the Forest Engineering degree program within the same department. Students and stakeholders will be better able to differentiate between the management-focused program (as proposed) and the engineering forestry programs.

c. If applicable, proposal should state why this program may not be collaborating with existing similar programs.

Not applicable.

d. Potential impacts on other programs in the areas of budget, enrollment, faculty workload, and facilities use.

The current and proposed program is unique in OUS and in the Pacific Northwest.

7. Financial Sustainability (attach the completed Budget Outline)

a. Business plan for the program that anticipates and provides for its long-term financial viability, addressing anticipated sources of funds, the ability to recruit and retain faculty, and plans for assuring adequate library support over the long term.

The marginal incremental costs associated with making this change are centered on advertising, print and web communications. There will be a more significant marketing campaign to introduce the changes to potential students and to step up current recruiting efforts. All revised courses will be taught by current faculty, and several courses are being combined to reduce/streamline workload and course delivery costs. There are no new anticipated recurring instructional costs associated with this change.

b. Plans for development and maintenance of unique resources (buildings, laboratories, technology) necessary to offer a quality program in this field.

No new anticipated costs.

c. Targeted student/faculty ratio (student FTE divided by faculty FTE).

It is difficult to assess and predict student/faculty ratio due to the sharing of teaching faculty across departments for the Forestry program. We expect the student/faculty ratio to grow slightly from the current (estimated) 20-to-1 when our goal of increased student enrollment is met.

d. Resources to be devoted to student recruitment.

There will be a significant marketing campaign to introduce the changes to potential students, including outreach to community colleges, and to step up current recruiting
efforts. This effort will lean heavily on existing faculty and student resources plus those of the College of Forestry recruiter; however, there will be nominal costs associated with the redesign of our current website and marketing materials. There are no new anticipated recurring instructional costs associated with this change.

8. External Review (if the proposed program is a graduate level program, follow the guidelines provided in External Review of new Graduate Level Academic Programs in addition to completing all of the above information)

Not applicable.
October 5, 2012

Gary Beach
Curriculum Council Committee
Oregon State University
Office of Academic Affairs
500 Kerr Administration

Dear Gary,

I am writing to express my strong support for the Category I Proposals to change the name of the Forestry Management undergraduate program and to implement a Professional Program model for the renamed program, and the associated Category II Proposals to modify learning outcomes and restructure the curriculum to fit our current needs and teaching capabilities. These changes will integrate our Forest Operations Management program into the Forestry program, creating a larger and more integrated academic program, and eliminating a small program. The proposal will create a professional school with a 2+2 structure, which will allow us to partner with community college inside and outside of Oregon, as well as international partners. They will have tremendous benefits in recruiting new students into the program.

The proposed changes will have relatively modest budget impacts. We will hire an instructor to lead our forestry field school and some of the field labs in the program. This will have the added benefit of creating stronger graduates and making our professorial instruction more efficient. This position will be a non-tenure track position that will be funded internal to the College of Forestry. We will also be hiring a full-time Marketing Director to help in the recruiting effort, and an internship coordinator. The positions are being supported by the Provost to assist the College in our mission to double on-campus enrollment and enhance student success.

The changes embodied in these proposals will allow us to offer the most innovative professional forestry program in the United States. We will maintain our strong field based education with fewer faculty resources than before. The professional school will be more cost effective for out of state students that can’t take the first two years at their home school or by ecampus. We believe the new pre-professional / profession school format will also increase student success.

Sincerely,

Thomas Maness
Cheryl Ramberg and Allyn C. Ford

BS in Forestry, CPS # 85162
November 21, 2012

Dr. Claire Montgomery
Professor and Interim Department Head
Department of Forest Engineering, Resources, and Management
Oregon State University
Corvallis, OR  97331

Dear Claire:

I apologize for being so late in getting this letter to you. I hope that it is still useful to your proposal.

I am the Chair of, and Professor in, the Department of Forest and Natural Resources Management at the SUNY College of Environmental Science and Forestry. I served as the Chair of Accreditation Team that evaluated your Society of American Foresters (SAF) program reaccreditation in 2011. I have also served as a member of the SAF Accreditation Committee for the past three years.

During our Accreditation Review, we evaluated the four degree programs in your department: (1) Bachelor of Science in Forest Engineering (FE); (2) Bachelor of Science in Forest Engineering/Civil Engineering (FE/CE); (3) Bachelor of Science in Forest Management (FM); and (4) Bachelor of Science in Forest Operations Management (FOM). At that time, the team was extremely impressed with the quality of educational opportunities provided within the forestry program and our report identified a number of strengths and a few weaknesses in your program. Overall, we felt that the College’s strong history in forestry education, top-level faculty, and high-quality curricula were models for forestry programs around the country. This was borne out by the strongly positive reaccreditation statements from the Accreditation Committee.

The justification for the combining of majors and moving to an option-based Forestry Bachelor of Science degree appears to me to be a very reasonable response to insure sufficient student numbers for the Forestry degree. Declining student numbers in forestry programs around the country is a continuing concern, and the practice of segmenting degrees into more specialized degree programs has only highlighted this problem. Taking the affirmative step to consolidate these degree programs should insure sufficient student numbers and is a reasonable action. It is my opinion, based on my experience with the Accreditation Committee, that there would be no problem for the new degree and options would be able to be accredited, more than likely without another site visit.
The forestry program at Oregon State University is consistently rated among the top forestry programs in the country. The fact that the Department is making positive actions to insure its sustainability in a period of changing administrative structures should be commended. I, and many others, will look forward to how this change progresses over the years.

If you have any further questions or concerns about my statement, please do not hesitate to contact me.

Best wishes,

David Newman
Professor and Chair
October 9, 2012

Dr. Claire Montgomery
Professor and Interim Dept. Head
Dept. of Forest Engineering, Resources, and Management
College of Forestry, Oregon State University

Dear Dr. Montgomery:

Starker Forests, Inc. enthusiastically supports your vision for the College of Forestry utilizing the Professional School Model and the opportunity for students to choose the Forestry Cooperative Education Program option.

The academic standards and goals as described in the proposals for the Academic Program Name Change and for the professional Program Model are very clear and concise for incoming students. We applaud your efforts to be cost effective for both students and the university by engaging in community college partnerships and E-course opportunities.

Many professional foresters will retire in the next ten years and, with federal and state agencies and other land owners understanding the role of and need for active forest management, demand for well-trained foresters will substantially increase. With your plan in place to market the curriculum and recruit high quality students, highly trained professional foresters will be well prepared to help manage the economically significant forest resources we have in Oregon.

We like how you have incorporated math, chemistry and physics into your curriculum. The capstone classes encourage critical thinking, problem solving, and develop leadership. Your Forestry Summer Camp will help students "gel" and learn to work better as a team.

Long term, the College of Forestry is poised to become the world leader in new forestry thinking and education. With your plan and vision, tomorrow’s natural resource leaders will have the training and skill set needed for economic, biological, and social decision making.
To support your new program, the university will need to continue to recruit and hire the best instructors and scientists available and provide necessary lab space and equipment. This requires dollars. The university investment in the College of Forestry enhances not only the college but all of Oregon through excellent management of its forests.

Lastly, we applaud the academic rigor you call for and the inclusion of professional ethics training into your program.

Claire, your attention to detail and the amount of energy you and your staff have expended on this effort, and the passion with which you and they have done so, is very much appreciated.

Very best regards,

Marc Vomocil
Forestry Manager

Mark Gourley
Silviculture Forester

Starker Forests, Inc.
Category I Proposal
Guidelines for Addressing Accessibility of New Programs

Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 prohibits discrimination against individuals with disabilities and mandates the provision of reasonable accommodations to ensure access to programs and services. Oregon State University is committed to providing equal opportunity to higher education for academically qualified students without regard to a disability.

For questions and assistance with addressing access, please contact the Office of Disability and Access Services (737-4098) or the Office of Affirmative Action and Equal Opportunity (737-3556)

Title of Proposal: Renaming an Academic Program, Forestry - BS, HBS Summer 2013

Department/Program: Forest Engineering, Resources and Management

College: Forestry

☐ Faculty Guidelines (http://ds.oregonstate.edu/facultystaff.aspx?Title=ResponsibilitiesFacultyStaff)
☐ Information Technology Guidelines (http://oregonstate.edu/accessibility/)

By signing this form, we affirm that at we have reviewed the listed documents and will apply a good faith effort to ensure accessibility in curricular design, delivery, and supporting information.

C. [Signature] 10/29/12 Claire A. Montgomery
Sign (Dept Chair/Head; Director) Date Print (Department Chair/Head; Director)
Adams, Darius – Emeritus Professor, PhD
Adams, Paul – Professor/Extension Specialist, PhD
Bailey, John – Associate Professor, PhD
Betts, Matt – Associate Professor, PhD
Boston, Kevin – Associate Professor, PhD
Doescher, Paul – Professor and Interim Dept. Head (FES), PhD
Dunn, Christopher – Faculty Research Assistant, MS
Fitzgerald, Stephen, Professor and Extension Forester, MS
Grimm, Kenny – Instructor, PhD
Hailemariam, Temesgen – Associate Professor, PhD
Harmon, Mark – Professor, PhD
Hatten, Jeff – Assistant Professor, PhD
Hibbs, David E. – Emeritus Professor, PhD
Hilker, Thomas – Assistant Professor, PhD
Huntington, Geoff, Senior Instructor, JD
Jensen, Edward C., Professor and Associate Dean, PhD
Johnson, K. Norman, Professor, PhD
Kellogg, Loren D., Professor, PhD
Lachenbruch, Barb, Professor, PhD
Leshchinsky, Ben, Assistant Professor, PhD
Maguire, Doug, Professor, PhD
Maness, Thomas, Professor and Dean, PhD
Mann, John W., Director of College Forests, MS
Montgomery, Claire, Professor and Interim Department Head, PhD
Needham, Mark, Associate Professor, PhD
Pyles, Marvin R., Professor, PhD
Reuter, Ron, Associate Professor, PhD
Rose, Robin, Professor, PhD
Ross, Darrell, Professor, PhD
Salwasser, Hal, Professor, PhD
Sessions, John, Professor, PhD
Shaw, David, Associate Professor, PhD
Shelby, Bo, Professor, PhD
Shinderman, Matt, Senior Instructor, PhD
Shindler, Bruce, Emeritus Professor, PhD
Skaugset, Arne, Professor, PhD
Tappeiner, John, Emeritus Professor, PhD
Temesgen, Hailemariam, Associate Professor, PhD
Tesch, Steve, Professor and Executive Associate Dean, PhD
White, Eric, Assistant Professor—Senior Research, PhD
Wing, Michael, Assistant Professor, PhD
Woolley, Travis, Faculty Research Assistant, MS
The following is a sample list of University Programs that are accredited by the Society of American Foresters and have Baccalaureate Degree programs titled, “Forestry” [Bold italics] without a modifier at the degree title level. **BSF** means Bachelor of Science in Forestry.


**Purdue University**, Department of Forestry and Natural Resources, W. Lafayette 47907-2061, [http://www.fnr.purdue.edu](http://www.fnr.purdue.edu), Contact: Walter L. Mills, Jr., Director, Office of Student Services. 1942. 2003. 2013. **Forestry program, BSF**.


**Louisiana State University**, School of Renewable Natural Resources, Baton Rouge 70803-6200, [http://www.rnr.lsu.edu](http://www.rnr.lsu.edu), Contact: Dr. Mike Kaller, Coordinator of Undergraduate Programs. 1937. 2005. 2015. Forestry and Natural Resources Ecology and Management within the **Forestry major, BSF** and BS NREM.

**University of Maine**, College of Natural Sciences, Forestry and Agriculture, Orono 04469, [http://www.nsfa.umaine.edu](http://www.nsfa.umaine.edu) or [http://www.forest.umaine.edu](http://www.forest.umaine.edu), Contact: Alan Kezis, Associate Dean. 1937. 2003. 2013. Programs, **BS in Forestry**, BS in Forest Operations Science, and MF.

**University of Massachusetts**, Department of Environmental Conservation, Amherst 01003-9285, [http://nrc.umass.edu](http://nrc.umass.edu), Contact: David B. Kittredge, Jr. Program Director. 1950. 2009. 2019. **Forestry program, BSF**.

**Michigan State University**, Department of Forestry, East Lansing 48824-1222, [http://www.for.msu.edu](http://www.for.msu.edu), Contact: Richard Kobe, Chair and Professor. 1935. 2007. 2017. Concentrations in Forest Conservation & Environmental studies and Forest Resource Management, **BS in Forestry**.


**University of New Hampshire**, Department of Natural Resources & The Environment, Durham 03824-3589, [http://www.nre.unh.edu](http://www.nre.unh.edu), Contact: Ted Howard, Department Chair, Forestry Program. 1959. 2009. 2019. **Forestry program, BSF**.

**Utah State University**, Department of Wildland Resources, Logan 84322-5215, [http://www.cnw.usu.edu/wild](http://www.cnw.usu.edu/wild), Contact: Dr. Chris Luecke, Interim Dean. 1937. 2010. 2020. **Forestry program, BSF**.

Proposal to establish a Professional Program Model [PPM] for the Forestry BS degree

Executive Summary

Institution: Oregon State University
College/School: College of Forestry
Department: Department of Forest Engineering, Resources, and Management

This proposal to establish a Professional Program Model [PPM] for the BS in Forestry degree program, is supplemental to a Category I proposal for a change in academic program name from a BS in Forest Management to a BS in Forestry. Curriculum changes are being processed through the Category II process, and reflect a restructuring of the program into a professional program model, a streamlining of the course offerings, and the addition of a Cooperative Education program and a two-week field school. This change is designed to reflect a broadening of the program focus to respond to the changing desires of prospective students and to the changing needs of state and federal agency and non-governmental organization employers, as well as forest industry employers.

The proposed changes are driven specifically by an increased need for:

- Efficiency in curriculum delivery to bring the teaching portion of the budget more in line with the available allocation from the University;
- Closer relationships with Ecampus and community colleges, which are educating more and more of our students before their “professional” schooling at OSU;
- A higher, targeted number of graduates per year (~35), who have achieved the learning outcomes and who will compete successfully for desired forestry positions upon completion of their program.

We anticipate that adoption of a Professional Program Model for the Forestry degree program will lead to:

- Improvement in the quality of the program, resulting from a more formal approach to acceptance of students into upper division courses;
- More cost-effective management of courses to meet student demand, resulting from better enrollment control;
- Reductions in costs to students and teaching obligations in high cost skills courses, resulting from a larger percentage of Forestry students employing a community college pathway, supplemented by Ecampus courses, to the Forestry Professional Program;
- Improved ability to meet the workforce needs of the forestry profession by increasing the number of successful graduates of our professional forestry program.
Pre-professional courses:

- AREC 250  Introduction to Environmental Economics and Policy  
  Or ECON 201  Principles of Microeconomics  
  BI 212  Principles of Biology  
  CH 231  General Chemistry  
  CH 261  Laboratory for Chemistry 231  
  COMM 111  Public Speaking  
  Or COMM 114  Argument and Critical Discourse  
  * FE 308  Forest Surveying (#85312, FE 208)  
  * FE 309  Forest Photogrammetry (#85315, FE 209)  
  * FE 357  GIS and Forest Engineering Applications (#85317, FE 257)  
  FOR 111  Introduction to Forestry  
  FOR 112  Computing Applications in Forestry  
  FOR 240  Forest Biology  
  FOR 241  Dendrology  
  HHS 231  Lifetime Fitness for Health, plus one activity course  
  MTH 111  College Algebra  
  MTH 112  Elementary Functions  
  MTH 241  Calculus for Management and Social Science  
  PH 201  General Physics  
  SOIL 205  Soil Science  
  ST 201  Principles of Statistics  
  WR 121  English Composition  
  WR 327  Technical Writing  
  Or WR 362  Science Writing  
  Four Baccalaureate Core Electives or four Option courses

In addition, students choosing the Forest Management Option will be required to complete before admission:

- FOR 251  Recreation Resource Management

In addition, students choosing the Forest Operations Management Option will be required to complete before admission:

- BA 211  Financial Accounting
- BA 213  Managerial Accounting
- BA 230  Business Law I
- BA 260  Introduction to Entrepreneurship

Common Professional School Courses:

- FE/FOR 312X  *Forestry Field School (FE #85502, FOR #85219, proposed new)  
- FE 370  Harvesting Operations  
- FE 434  Forest Watershed Management  
- FE/FOR 457  *Techniques for Forest Resource Analysis (FE #85298/85503 & FOR #85526)  
- FE/FOR 307  *Forestry Junior Seminar (FE #85837, FOR #85840, proposed new)  
- FOR 321  Forest Mensuration  
- FOR 330  Forest Conservation Economics  
- FOR 331  Forest Resource Economics II  
- FOR 429  *Integrated Prescriptions (#85841, reduce -1 cr = 2)  
- FOR 443  Silviculture Practices  
- FOR/FE 450  *Forest Operations Design I (FE #85303, FOR #85286, increase +1 cr = 4)  
- FOR 459  Forest Resource Planning and Decision Making
### Forest Management Option

- **FOR 322** Forest Models (3 cr)
- **FOR 341** Forest Ecology (3 cr)
- **FOR 355** *Management for Multiple Resource Values (#85519, increase +1 cr = 4) (3 cr)
- **FOR 460** Forest Policy (4 cr)
- **FS 415** Forest Insect and Disease Management (5 cr)
- **FS 453** Forest Management and Wildlife Conservation (3 cr)

### Forest Operations Management Option

- **BA 351** Managing Organizations (4 cr)
- **BA 390** Marketing (4 cr)
- **BA 460** Venture Management (4 cr)
- **FE 440** Forest Operations Analysis (3 cr)
- **FE 441** Production Planning (3 cr)
- **FE 460** Forest Operations Regulations and Policy Issues (3 cr)
- **FE 471** Harvesting Management (3 cr)

### Optional:

- **FE/FOR 411** *Forestry Cooperative Education (#85842 & #85843, repeatable up to 4 cr) (1 cr)

*These courses will change as indicated via Category II proposals (CPS numbers indicated).*
## Forestry B.S. Forest Operations Management Option

<table>
<thead>
<tr>
<th>FRESHMAN</th>
<th>Proposed</th>
<th>Current</th>
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<tr>
<td><strong>Fall</strong></td>
<td>MTH 111</td>
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<td></td>
<td>College Algebra</td>
<td>4 CCE 201</td>
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<td>Intro to forestry</td>
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<td>CH 231</td>
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<td></td>
<td>Gen'l Chemistry</td>
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<td>CH 261</td>
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<td></td>
<td>Gen'l Chemistry Lab</td>
<td>FE 101</td>
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<td>WR 121</td>
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<td></td>
<td>English Comp</td>
<td>WR 121</td>
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| **Winter** | MTH 112 | 4 MTH 241 | Calc for mgmt and Soc 4 |
|           | FOR 112 | 3 FOR 102 | Forest Engineering Prod 3 |
|           | BI 212  | 4 WSE 210 | Wood Technology 4 |
|           | HHS 231 | 2 HHS 231 | Lifetime Fitness for He: 2 |
|           | HHS 241-248 | 1 HHS 241-248 | Lifetime Fitness for He: 1 |
| **Term Total** | 14   | 14      |

| **Spring** | MTH 241 | 4 FE 308(208) | Forest Surveying 4 |
|            | FOR 241 | 5 FOR 141 | Tree & Shrub Id 3 |
|            | ECON 201 | 4 Econ 201 | Intro to Microecon 4 |
|            | Comm 111 or 1 Public Speaking/Argument | 3 Comm 111 or 11-Public Speaking/Argument 3 |
| **Term Total** | 16   | 14      |

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<td><strong>Fall</strong></td>
<td>FE 208(308)</td>
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<td>BA 260</td>
<td>4 BA 260</td>
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<td></td>
<td>PH 201</td>
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<td>BA 211</td>
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| **Winter** | ST 201 | 4 BA 211 | Financial Accounting 4 |
|            | FE 209(309) | 4 FE 209(309) | Forest Photogrammetry 4 |
|            | WR 362/327 | 3 WR 327 | Technical Writing 3 |
|            | FE 257(357) | 3 BC Elec | Cultural Diversity 3 |
| **Term Total** | 14   | 14      |

| **Spring** | SOIL 205 | 4 SOIL 205 | Soil Science 4 |
|            | FOR 240  | 4 FOR 240 | Forest Biology 4 |
|            | BA 230   | 4 BA 230 | Business Law I 4 |
|            | BA 213   | 4 FE 310 | Route Surveying 4 |
| **Term Total** | 16   | 16      |

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<td>FOR 460</td>
<td>4 BA 390</td>
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<td>BC elec</td>
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<td>BC elec</td>
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<td>BC elec</td>
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| **Winter** | BA 351 | 4 BA 460 | Venture Management 4 |
|            | BA 459 | 4 FE 451 | Forest Operations II 3 |
|            | BC elec | 3 FE 460 | Forest Policy 3 |
|            | BC elec | 3 Elec | Forestry Elective 4 |
| **Term Total** | 14   | 14      |

| **Spring** | FE 471 | 3 Elec | Restricted 7 |
|            | FOR 450 | 4 BC elec | DPD 3 |
|            | Elec Free elective | 4 Elec | Sci, Tech, Soc 3 |
| **Term Total** | 11   | 13      |

| Degree Total | 180  | 180 |

### Forestry B.S. Forest Management Option

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<td>FOR 111</td>
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<td>CH 231</td>
<td>Gen'l Chemistry</td>
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<td>CH 261</td>
<td>Gen'l Chemistry Lab</td>
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<td>Elementary Functions</td>
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<td>FOR 112</td>
<td>Computing Apps in For</td>
<td>3 CH 122</td>
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<td>Spring</td>
<td>FOR 241</td>
<td>Dendrology</td>
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<td>MTH 241</td>
<td>Calc for Mgmt</td>
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<td>ECON 201</td>
<td>Intro to Microecon</td>
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<td>Comm 111 or 1 Public Speaking/Argum</td>
<td>3 HHS 241-248</td>
<td>Lifetime Fitness activity</td>
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<td>Forest Surveying</td>
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<td>Recreation Res Mgmt</td>
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<td>ST 201</td>
<td>Principles of Statistics</td>
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<td>GIS &amp; For Eng Apps</td>
<td>3 FOR 207</td>
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### Notes:
- Existing FM options each require 21 credits, some of which also satisfy BC requirements.
- Common Capstone sequence FE/FOR 457, 459, 450 for FOR and FE curricula.
- Replaces 7 degree-specific courses with 3 common courses: FOR 457, 459 (FM): FE 447, 448, 451 (FOM); FE 449, 450, 451 (FE).
From: Maness, Thomas
Sent: Friday, December 16, 2011 5:25 PM
To: Haney, Angela; Adams, Darius; Bailey, John; Betts, Matthew; Boston, Kevin; Doescher, Paul; Hallemariam, Temesgen; Harmon, Mark; Hibbs, David E.; Huntington, Geoff; Jensen, Edward C.; Kellogg, Loren D.; Luukinen, Kama; Montgomery, Claire; Murphy, Glen; Needham, Mark; Pyles, Marvin R.; Ross, Darrell; Salwasser, Hal; Sessions, John; Shelby, Bo; Shindler, Bruce; Skaugset, Arne; Tesch, Steve; White, Eric; Wing, Michael; Bliss, John
Subject: FoFM Meeting

I wanted to thank all of you participation in a very productive and successful Faculty of Forest Management Meeting yesterday. I could not have been more pleased with the result.

For those that couldn’t make it, we reviewed the structure of the Pro-School proposal, including the Cooperative Education Program, Field Camp, and 2+2 recruiting mechanisms designed to increase student success and increase academic quality. We discussed folding Forest Management and Forest Operations Management into a common Forestry Major, and also discussed creating a new Forest Conservation Management option.

There was strong support expressed to move forward to the curriculum details and advancing Category 1 and 2 proposals in 2012. So we collectively decided to move forward with this in the New Year.

The activity will kick off with a 1 day curriculum planning workshop to start developing the learning outcomes for the Conservation Management option. The workshop will be held on a Saturday in early January. Everyone is welcome to participate. I'll be sending out some homework over the Holidays to prepare us for the workshop. Meantime, start thinking about the knowledge and skills necessary to be a successful forester to advance conservation on forested landscapes. If you can think of readings that might be helpful to us, please pass those reference along by email.

Best wishes to all for a safe a happy holiday.

Thomas

Thomass Maness, PhD
Professor and Director
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Oregon State University

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541.737.4952
Records of Liaison with stakeholders and advisory groups.

As Department Head, Thomas Maness met with:

- Oregon Forest Research Laboratory Advisory Board (3 times with follow up discussion)
- College of Forestry Board of Visitors – they awarded $70,000 to support design and marketing of the program
- F&RM department Professional Forestry Advisory Council in 2012
- Oregon Loggers Congress annual meeting
- Individual visits with Starkers Forests and Guistina Timber to get feedback

In this document:

- Agenda, draft minutes, and participant list for Oregon Forest Research Laboratory Advisory Committee Meeting, April 4, 2012
- Slide show used in presentations listed above
Montgomery, Claire

To: Maness, Thomas
Subject: RE: slides - 2

From: Maness, Thomas
Sent: Thursday, November 01, 2012 10:02 AM
To: Montgomery, Claire
Subject: RE: slides - 2

Claire – I presented to the FRL Advisory board three times and had a discussion with the members each time. I presented to the BOV and was given $70,000 to fund the design/marketing of the program. We had a meeting of FERM’s Professional Forestry Advisory Council last year. I went on field trip with the Starkers and Guistina timber to get their thoughts. I presented at the Oregon Loggers Congress annual meeting. The proposal was presented to the FEC, and we were given the go-ahead. I visited FES twice and talked with them. Thomas
Agenda

9:15 a.m. Coffee and Refreshments

9:45 a.m. Welcome and Introductory Remarks, Catherine Mater, Chair

9:55 a.m. Charting the Path Forward, Hal Salwasser, Dean

• Business Plan
• HB 4002 Forestry Education Council and Special Fund

10:25 a.m. Overview of New Hires – Hal Salwasser, Steve Tesch, and Department Heads

10:45 a.m. Status of FM Pro-school and Cooperative Education – Thomas Maness

11:15 a.m. College Marketing and Recruiting – Stephanie Murphy, Sasquatch Agency

11:45 a.m. AWFC Conclave – Justin Thomas and Quincy Coons

12:00 p.m. Catered Lunch

12:30 p.m. Vegetation Management Research – Eric Dinger and Robin Rose

1:00 p.m. Dean’s Search Process Update and Open Discussion with Provost Randhawa – Paul Doescher

1:45 p.m. Developing a College of Forestry Dashboard – Steve Tesch and Roger Admiral

2:25 p.m. Capital Campaign Update – Zak Hansen

2:45 p.m. Open Discussion

3:15 p.m. Adjourn
Forest Research Lab (FRL) Advisory Committee Meeting
Wednesday, April 4, 2012
OSU, College of Forestry RH 107, Corvallis, OR
Draft Minutes

Hal Salwasser called the meeting to order at 9:45 a.m.

Chair Catherine Mater made her welcoming remarks.

The November 22, 2011 meeting minutes were approved.

Charting the Path Forward, Hal Salwasser, Dean

- Business Plan

- HB 4002 Forestry Education Council and Special Fund
  A copy of the House Bill 4002 was distributed at the meeting. Hal gave an update on the new bill.

Overview of New Hires – Hal Salwasser, Steve Tesch, and Department Heads

- Laurence R. Schimleck, Wood Science and Engineering Department Head
- John Mann, College Forests Director
- Thomas Hilker, Remote Sensing, Forest Engineering Resources and Management
- Michael Wing, Geomatics, Forest Engineering Resources and Management
- Chris Still, Climate Vegetation Scientist, Forest Ecosystems and Society
- Michael Nelson, Spaniol chair and Director Andrews LTER, Forest Ecosystems and Society
- Arijit Sinha, Assistant Professor, LEED Green Associate, Wood Science and Engineering

Status of FM Pro-school and Cooperative Education – Thomas Maness
A copy of the PPT presentation was distributed at the meeting. The presentation included information on the current FERM faculty, future vacancies, immediate staff needs, the focus on FERM, the composition of the new FERM Advisory Committee, current and future professional Forestry enrollment, the new program structure (professional forestry school and pre-professional school).
Members took the opportunity to ask questions and to give their feedback of this new program.
Members asked for a copy of the electric PPT presentation.

College Marketing and Recruiting – Stephanie Murphy, Sasquatch Agency
A copy of Stephanie’s PowerPoint presentation on the 2012 marketing efforts was distributed at the meeting. Her presentation included information on upcoming goals for the College, scope of the work being done, timeline, marketing collateral assessment, CoF web review (Renewable materials, FERM, FES pages), Focus on Forestry and quarterly Cruise newsletters, social media
and recommendations.

**AWFC Conclave – Quincy Coons and Joel?**  
Quincy and Joel gave an update on how the AWFC Conclave event went and what it took to organize this annual event. [describe events]. The students took this opportunity to thank the FRL AC members who sponsored this event. The competition will be broadcasted on ESPN for the next 6 months.

***Minutes for the following topics are in preparation:***  
*Vegetation Management Research*  
Eric Dinger and Robin Rose

*Dean’s Search Process Update and Open Discussion with Provost Randhawa – Paul Doescher*

*Developing a College of Forestry Dashboard – Steve Tesch and Roger Admiral*

*CoF Budget: Sustainable Funding for CoF that supports mission*

*Capital Campaign Update – Zak Hansen*

**Open Discussion**

The meeting adjourned at 3:15 p.m. Draft minutes prepared by Nathalie Gitt

**Roll Call**

*Advisory Board Members Present:*
Ken Borchert (for Bodie Shaw), Kent Connaughton, Bov Eav, Scott Folk, Gary Hartshorn, Tom Holt, Brad Kitselman (for Richard Wininger) Catherine Mater, Lee Miller, Hal Salwasser, Ed Shepard, Evan Smith, Carol Whipple

*Members Absent:*
Jerry Brodie, Doug Decker, Dave Ivanoff, Bodie Shaw, Ken Weinke, Rich Wininger

*Ex officio Member Present:*
Jim Geisinger, Jim James, Tom Partin, Ray Wilkeson

*College of Forestry (CoF) Executive Committee Members Present:*
Roger Admiral, Paul Doescher, Eric Hansen, Jim Johnson, Thomas Maness, Marv Pyles, Randy Rosenberger, Steve Tesch

*Member Absent:*
Ed Jensen

*OSU Foundation Staff:*
Todd Bastian, Zak Hansen

*Guests: Quincy Coons, Eric Dinger, Eric Geyer, Temesgen Hailemariam, Fred Kamke, Barbara Lachenbruch, Stephanie Murphy, John Mann, Sabah Randhawa, Robin Rose, Dave Shaw, Sharon Tanabe (joined by phone). Jeff Wimer, Joel?*

*Dean’s Office Staff: Nathalie Gitt*
OSU – College of Forestry
Forest Research Laboratory Advisory Committee Meeting
Participants List
April 4, 2012
107 Richardson Hall

FRLAC Member / Representative

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Absent:
Jerry Brodie
Kent Connaughton
Doug Decker
David Ivanoff
Ed Jensen
Bodie Shaw
Ken Weinke
Rich Winerger

Updated 4/3/12, jh
The Professional School of Forestry
Forest Engineering Resources and Management
Oregon state University

The Focus on FERM
- Watershed Management and Hydrology
- Reforestation and Plantation Management
- Remote Sensing of Forested Landscapes
- Economics, Management and Policy
- Forest Sector Competitiveness
- Silviculture and Forest Health
- Operations Management
- Engineering and Performance Monitoring

Focused on Working Forests, Active Management.

The College of Forestry at Oregon State University
FERM Faculty

- Darius Adams – Economics
- Paul Adams – Watershed Extension
- John Bailey – Silviculture
- Kevin Boston – Forest Engineering, Roads
- Timmesgen Hallamriam – Biometrics
- Loren Kellogg – Forest Harvesting
- Thomas Hilker – Remote Sensing
- Geoff Huntington – Policy & Law
- Jeff McDonnell – Hydrology
- Doug Maguire – CIPS
- Thomas Maness – Management & Policy
- John Mann – Forest Operations
- Claire Montgomery – Economics
- Glen Murphy – Forest Operations
- Marv Pyles – Geotechnical Engineering
- Robin Rose – VMRC, Reforestation
- David Shaw – SNCC, Forest Health
- John Sessions – Operations, Engineering
- Arne Skaugest – WRC, Hydrology
- Eric White – Economics
- Jeff Wimer – Logging
- Michael Wing – Geomatics

The College of Forestry at Oregon State University

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FERM Faculty

- **DARIUS ADAMS – ECONOMICS**
- **PAUL ADAMS – WATERSHED EXTENSION**
- **John Bailey – Silviculture**
- **Kevin Boston – Forest Engineering, Roads**
- **Timmesgen Hallamriam – Biometrics**
- **Loren Kellogg – Forest Harvesting**
- **Thomas Hilker – Remote Sensing**
- **GEFF HUNTINGTON – POLICY & LAW**
- **JEFF MCDONNELL – HYDROLOGY**
- **Doug Maguire – CIPS**
- **THOMAS MANESS – MANAGEMENT & POLICY**
- **JOHN MANN – FOREST OPERATIONS**
- **Claire Montgomery – Economics**
- **Glen Murphy – Forest Operations**
- **MARY PYLES – G E O T E C H N I C A L E N G I N E E R I N G**
- **ROBIN ROSE – VMRC, REFORESTATION**
- **DAVID SHAW – SNCC, FOREST HEALTH**
- **John Sessions – Operations, Engineering**
- **Arne Skaugest – WRC, Hydrology**
- **ERIC WHITE – ECONOMICS**
- **JEFF WIMER – LOGGING TRAINING PROGRAM**
- **Michael Wing – Geomatics, Surveying**

New Faculty Positions
- Forest Soil Nutrition
- Geotechnical Engineering
- Forest Hydrology
- Watershed Management

Immediate Needs
- Instructor Forest Management (Field Camp, 5 classes)
- Coop Education Manager

The College of Forestry at Oregon State University
FERM Advisory Council

- Denis van Winkle – Weyerhaeuser Company
- Maia Enzer – Sustainable Northwest
- Cheryl Talbert – Weyerhaeuser Company
- Jerry Anderson – Forest Capital
- Matt Fehrenbacher – Trout Mountain Forestry
- Evan Smith – The Conservation Fund
- Elaine Kohrman – USFS
- Doug Piirto – Cal Poly
- Candace Montoya – Washington DNR
- Ron Boldenow – Central Oregon CC
- Don Persyn – Roseburg Forest Products
- Mark Gourley – Starker Forests
- Jerry Ingersoll – USFS
- Andrea Thorpe - OSU

Professional Forestry Enrollment

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Future Enrollment

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<td>Master of Forestry</td>
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Professional School
Junior Year

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<td>Silviculture Practices</td>
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<td>FOR315</td>
<td>Management of Multiple Resource Values</td>
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<td>FOR331</td>
<td>Forest Resource Economics II</td>
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Professional School starts with a field skills camp in September.

The College of Forestry at Oregon State University

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Professional School
Senior Year

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<td>Forest Insects and Disease Management</td>
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<td>Tactical and Operational Planning Techniques</td>
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Senior Year is Split into 2 Years with Coop Terms Occurring June - January.

The College of Forestry at Oregon State University
Why Professional Forestry?

- Your office is a forest.
- Your work helps sustain life.
- Adventure is at your door.
- Because green is your color.
- You look healthier with a tan.

*Become a Forester. The Earth Needs You!*

Join the OSU Forest Family

- Build a foundation for a great career
- Make friends for a lifetime

- Small classes, hand-on labs
- Experienced profs
- Outstanding facilities
- Flexible schedule, study at home

The College of Forestry at Oregon State University
Coop-Ed Program
- An Opportunity to Earn and Learn
- International Internships Access the World
- Work Experience Open Doors to a Career
- Meaningful Project Work Build Solid Skills

Conservation Management Program
- Two-Year Professional School
- 120 Students
- Exciting Field Camp
- Fully Accredited Program
- International Internships

Studies Focus On
- Ecosystem Management
- Watershed Protection
- Forest Fire Protection
- Ecological Restoration
- Collaborative Forestry
- Community Forestry
Forest Engineering, Resources and Management
The Professional School of Forestry
Oregon State University
Feedback on proposals from faculty in three departments: FERM, FES, WSE – who have an interest in the development of professional forestry undergraduate degree programs

- Proposals were sent to faculty in College of Forestry on September 17, 2012 for review – email responses follow
- Meeting of interested faculty in College of Forestry was held on September 26, 2012 to discuss proposals and review comments sent by email. Partial list of attendees:
  - Mark Needham FES
  - Mark Harmon FES
  - Ed Jensen Dean’s Office Assoc Dean Academic Affairs
  - Temesgen Halleliam FERM
  - Marv Pyles FERM
  - John Bailey FERM
  - Claire Montgomery FERM DH
  - Paul Doescher FES DH
  - Darrell Ross FES
Montgomery, Claire

From: Ross, Darrell
Sent: Monday, September 17, 2012 8:52 AM
To: Montgomery, Claire; Shindler, Bruce; Bailey, John; Pyles, Marvin R.; Doescher, Paul
Cc: Plagmann, Sue - FORESTRY; Mann, John W; Maness, Thomas
Subject: RE: Faculty of FM Meeting
Attachments: CAT I Proposal BS Forestry with Ross edits.doc

Claire,

I have reviewed the Cat I proposal and made a number of editorial suggestions for your consideration. I hope you find my comments useful. I didn’t find any problems with the flow charts. I will review the PPM proposal now and send you any comments that I have on that document later today.

Darrell

From: Montgomery, Claire
Sent: Friday, September 14, 2012 7:27 PM
To: Shindler, Bruce; Bailey, John; Pyles, Marvin R.; Doescher, Paul; Ross, Darrell
Cc: Plagmann, Sue - FORESTRY; Mann, John W; Maness, Thomas
Subject: Faculty of FM Meeting

Hi all,

I have just finished my pass at a version of the Cat I proposals for the name change of the FM degree to Forestry and the change to a Professional School for the Forestry degree. I'd like to pass it by you before sending it out to the FM faculty at large. I've also attached the FM and FOM flowcharts (the latest versions that I have). Please look at admission requirements. They are complicated and I want to make sure we have them right. John, we removed much of the material about sequencing of courses (really anything that didn't affect other units or require a Cat II proposal), but I intend to include all of those changes with the material that I send out to the faculty along with the flow chart.

I've highlighted things that need to be finalized. Please remember that this is a draft and that the final version will not be submitted until the meeting of the FM faculty scheduled for 10am September 26. I do want to circulate a "final" version to the FM faculty at large prior to that meeting. Angela will schedule a larger room and send an announcement early next week.

It would be great if I could send this out on Monday before the FERM faculty meeting, but that may not be possible and I don't want to circulate it if there are errors that can be easily corrected.

Thanks!! Claire
I’m directing this message to those who have been on the FM Curriculum Committee over the past two years... not to the full FM faculty. I’m doing so because I cannot attend next week’s meeting (9/26) as I will be conducting a workshop in Alberta, Canada. I am disappointed that our small committee could not find a time when we all could be present for a meeting prior to rolling out the CAT 1 proposal to a larger audience. We have not met as a group for some time and this concerns me as well. I think the College believes we have fully vetted this proposal and I’m not sure we have. On balance, I support most of what is proposed... so don’t get me wrong. My comments here are intended to strengthen the proposal and to address questions that I think a reasonable audience might ask.

As with many such endeavors, the devil is in the details. And here are the ones that concern me:

1. The proposal says “the proposed Forestry program is in response to changing expectations of stakeholders.” If this is the case, we should be prepared to identify who these stakeholders are and describe how expectations have changed.

2. Numerous references are made to the degree’s emphasis on “achieving social objectives, a focus on Interpersonal communication skills, and gaining awareness and understanding of differing viewpoints.” I don’t see much evidence of courses that help us achieve these learning outcomes. Only two—FOR 355 Managing for Multiple Resource Values and FOR 460 Forest Policy—take these issues head on.

3. A related concern for these two classes involves faculty retirements. Currently, there is no professor designated to teach FOR 355 in this school year. The professor teaching FOR 460 may be retiring soon as well. Seems the curriculum committee should be involved in this discussion.

4. The proposal also says our graduates will be knowledgeable in the management of forest fires, obviously a huge issue these days. Yet we have no fire classes in the required curriculum. However, we do have a full slate of fire classes that has been taught over the last 5 years (as one of the FM options).

5. The new degree program has a high dependence on the community college system to educate our students in years 1-3. From years of being the sole FM undergraduate advisor, I know this is problematic. If someone has sorted all this out and we have a clear strategy... great. If we are counting on students working it out for themselves, we should be concerned and perhaps scale back the claim of how many new students will find our program via this method.

6. We have banked a great deal on the Coop Ed Program. I think it is a winner. However, I would like an update on its viability. John Mann put in much good work on this, but now he is on to other things. Where does it stand now?
7. Here's a simple housekeeping suggestion... all of the materials below identify courses only by number. There is no name associated with any class. Thus, it is difficult for the average reader to assess how well the curriculum addresses learning objectives. Even if there needs to be an additional page for this, it should be included.

My reason for bringing up these points is to make the proposal and the curriculum better... and more defensible. Eventually someone may need to stand up and answer questions of this sort. Obviously, many of these items show my personal bias for integrated resource management and our students having an ability to work effectively with multiple parties. So be it. I think that's one of the reasons why I've been on the curriculum committee all these years. Sorry I can't join you on the 26th.

Respectfully,

Bruce

CAT I Proposal BS Forestry.doc...
Pro-school Proposal BS For...
2012 FM curriculum flowc...
2012 FOM curriculum flowc...
Montgomery, Claire

From: Jensen, Edward C.
Sent: Thursday, September 20, 2012 6:55 PM
To: Montgomery, Claire; Shindler, Bruce; Doescher, Paul; Bailey, John; Pyles, Marvin R.; Ross, Darrell; Plagmann, Sue - FORESTRY
Subject: Re: Faculty of FM Meeting

Several comments on the CAT I proposal.

1. As I read this, it appears that two successful programs are being combined into one. The reason isn't really clear. As I recall, the primary motivation was to increase the number of graduates to appease the provost's budget committee of 20 (?) graduates per year. Yet that isn't included in the rationale. Otherwise it reads like two very successful programs, each valued by their stakeholders and providing valued employees, are being combined into one. As an outside reviewer, I would wonder why.

2. Each of the 3 proposed options in this degree include "management" in their names. To me, a BS in Forestry harkens back to days done by—a degree in Forest Management sounds a bit more modern. Is there a compelling reason not to call this degree "forest management"?

3. In item #3a regarding accreditation. How can combining two accredited programs into 1 not affect accreditation? It will mean different learning outcomes, different assessment procedures, different ways of meeting accreditation requirements, etc.

4. In item 5a: why not list the intended programmatic learning outcomes for this degree? Reference is made to what they might be, but they're not worded as measurable outcomes. If I were on the Curriculum Council, I would certainly want to see the actual learning outcomes. And would there be one set of outcomes for one degree, or two sets of outcomes (one for each option) with a common core?

Hope this helps—Ed

From: Claire Montgomery (claire.montgomery@oregonstate.edu)
Date: Thursday, September 20, 2012 3:30 PM
To: Shindler, Bruce (bruce.shindler@oregonstate.edu), Doescher, Paul (paul.doescher@oregonstate.edu), Bailey, John (john.bailey@oregonstate.edu), Pyles, Marvin R. (marvin.pyles@oregonstate.edu), Ross, Darrell (darrell.ross@oregonstate.edu), Plagmann, Sue - FORESTRY (sue.plagmann@oregonstate.edu)
Cc: Jensen, Ed (ed.jensen@oregonstate.edu)
Subject: RE: Faculty of FM Meeting

Thanks Bruce,

See my comments below

***************
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From: Shindler, Bruce  
Sent: Thursday, September 20, 2012 3:07 PM  
To: Montgomery, Claire; Doescher, Paul; Bailey, John; Pyles, Marvin R.; Ross, Darrell; Plagmann, Sue - FORESTRY  
Cc: Shindler, Bruce; Jensen, Edward C.  
Subject: FW: Faculty of FM Meeting

Claire, Paul, John, Marv, Darrell, Sue...

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As with many such endeavors, the devil is in the details. And here are the ones that concern me:

1. The proposal says “the proposed Forestry program is in response to changing expectations of stakeholders.” If this is the case, we should be prepared to identify who these stakeholders are and describe how expectations have changed.

2. Numerous references are made to the degree’s emphasis on “achieving social objectives, a focus on interpersonal communication skills, and gaining awareness and understanding of differing viewpoints.” I don’t see much evidence of courses that help us achieve these learning outcomes. Only two—FOR 355 Managing for Multiple Resource Values and FOR 460 Forest Policy—take these issues head on.

Marv and I will look at #1 and 2 and revise as appropriate.

3. A related concern for these two classes involves faculty retirements. Currently, there is no professor designated to teach FOR 355 in this school year. The professor teaching FOR 460 may be retiring soon as well. Seems the curriculum committee should be involved in this discussion.

This is, indeed, a concern. I don’t know what the status of the position you retired from is — whether it went to any of the new FES hires. It is current policy that there are no new faculty lines, so we can only hire T/TT when there is a retirement. But this is a need. These classes will not go away or disappear from the required curriculum. Paul, Thomas, and I will have to put our heads together to determine how to deliver them. My strong preference is for required courses in the Pre-school curriculum to be delivered by T/TT faculty. But we may just have to wait until pending retirements are announced before we are able to do anything about it.

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4. The proposal also says our graduates will be knowledgeable in the management of forest fires, obviously a huge issue these days. Yet we have no fire classes in the required curriculum. However, we do have a full slate of fire classes that has been taught over the last 5 years (as one of the FM options).

This is another one that will require attention. The fire option is the only option that has been consistently fully enrolled. It is popular and relevant.

It is one of my priorities to get a fire science / management position to continue to deliver this program and further develop a research program. I have initiated conversations with John Bailey and Thomas about how that might be accomplished and what it could look like. Again, these courses will not go away. I am wondering whether there might be a creative way to institutionalize them – e.g. a certificate or something (I am ignorant at this point about how that works) – or within the Forest Conservation Management option that I hope to get moving again sometime this year. I'd like to have a proposal in for that option this time next year, but we'll see. A lot depends on willingness of faculty to dive in and make it happen. We have an awful lot going on right now.

5. The new degree program has a high dependence on the community college system to educate our students in years 1-3. From years of being the sole FM undergraduate advisor, I know this is problematic. If someone has sorted all this out and we have a clear strategy... great. If we are counting on students working it out for themselves, we should be concerned and perhaps scale back the claim of how many new students will find our program via this method.

I believe that Kama and John Bailey put in substantial effort to make sure this piece of the puzzle has been addressed. John visited CC campuses and liaised with them about our proposed pro-school. We are committed to developing E-campus versions of all the pre-professional required courses so that students can fill gaps not filled by their CC program. John, do you care to weigh in on this one?

6. We have banked a great deal on the Coop Ed Program. I think it is a winner. However, I would like an update on its viability. John Mann put in much good work on this, but now he is on to other things. Where does it stand now?

I will be initiating a search in the next month or so for a Coop program coordinator. Since Thomas developed and implemented a successful coop program at UBC, we aren’t walking into this blindly. But losing John Mann to the College Forest and Kama to Vanderbilt definitely places a speed bump in our path. Our goal is to have a 3-month pilot available next summer with the full blown program ready to kick in Summer 2014. That means the prep course will have to be offered this academic year. That's a goal, not necessarily a sure thing.

7. Here's a simple housekeeping suggestion... all of the materials below identify courses only by number. There is no name associated with any class. Thus, it is difficult for the average reader to assess how well the curriculum addresses learning objectives. Even if there needs to be an additional page for this, it should be included.

You're right. We'll fix it.

My reason for bringing up these points is to make the proposal and the curriculum better... and more defensible. Eventually someone may need to stand up and answer questions of this sort. Obviously, many of these items show my personal bias for integrated resource management and our students having an ability to work effectively with multiple parties. So be it. I think that's one of the reasons why I've been on the curriculum committee all these years. Sorry I can't join you on the 26th.
Several observations/comments on Pro School proposal:

1. Curriculum Council (and other reviewers) may (should) expect more explicit learning outcomes.
2. Enrollment management in upper division courses: I suspect you already know this but some upper division courses are taken by non-FERM students (NR, RRM, non-COF) so enrollment does not become more predictable in all courses.
3. Provisional admission: how is this loophole different from what’s currently done with waiving prerequisites? Perhaps it is, but I’m not sure how. Waiving prerequisites is currently pervasive (by the instructors themselves) and results in lower quality education (to the extent that the press are meaningful).
4. Quantitative skills: in my experience, lack of trig skills are as substantial (and for some classes equally important) as lack of algebra skills.
5. Impact on enrollment: how is it that we double enrollment by asking more students to attend CC for their first two years? I can see how we can improve 6-year graduation rates, but not enrollment. What am I missing?
6. Community college prep in general: 35 years of teaching suggests to me that many (perhaps not all) CC instruction/classes are different from well-taught courses at OSU. For example, students who take tree ID at MHCC or COCC have good ID skills for plants of the PNW (their courses are well taught by capable instructors), but understand much less about trees and forests of the world, and structure and function of trees than do OSU students. One can argue the relative merits of each approach, but the learning outcomes are certainly different (by design). I believe this will have curricular implications, especially as we rely more on CC courses.

Hope this helps--Ed
I'll add my thanks to Claire's ... and for your MANY years of attention and care for the FM curriculum.

On the Community College issue: yes, Kama and Clay and I have worked very hard on both sides of that divide to close the gap and make it easier on the students. Every CC I've worked with (three) has been open to making some adjustments, work with us, and having clearer agreements with us for advising ... and they are fully aware of the limits of their students and the problems they encounter in the CC and once in Corvallis. On our side, we have to relax written roadblocks and pre-requisites without relaxing our expectations for how they are prepared and what they have to deliver when they get here. Making that work for our students is a great goal to work towards, and I think we are all going into this with our eyes open!

Thanks Bruce,

See my comments below:

***************
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***************
Claire:

Sorry for the delay in getting these back to you. These documents have been saved with a different name so that they don’t over-write the original documents.

I have made several comments or corrections. A few are significant recommendations that I suggest careful consideration.

It might be most helpful to get together in-person if you have any questions as to my suggestions, recommendations, or concerns.

Clay

Clay Torset
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541.737.1594
Hi Claire—excellent meeting today. You and Marv did a great job. I wish that it had happened earlier in this 2-3 year period of development, but at least it happened today. I hope you felt good about it, too. --Ed

Hi all,

Please join in the discussion of the final version of the proposal for renaming the FM degree and forming a Pro-school.

**Wednesday 9/26 from 10:00am – 12:00 noon in Richardson 313**

We have received thoughtful comments from Ed Jensen, Bruce Shindler, Darrell Ross, Lisa Ganio — to name a few. Rather than send you another revision to peruse, we’ll make revisions after the meeting and circulate the final version that will be submitted so that you all have a copy. We’ll have a summary of the comments received so far at the meeting. Marv Pyles, John Bailey, and I will be at the meeting to hear any remaining concerns and to answer questions.

As currently proposed, the degree will have two options: FM and FOM. But there is a 3rd option that we plan to develop — Forest Conservation Management. Hopefully we will have some time to discuss how to move forward with that in the coming year.

I hope to see you all on Wednesday, Claire

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