New Degree Program Proposal Environmental Sciences - OSU-Cascades Campus

Status: Pending Review - Faculty Senate Exec Committee (<u>Previous</u> Version)

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1. Review - College Approver - Earth, Ocean & Atmospheric Sciences

Approved by Eric Kirby Assoc Dean-Academic Programs / Earth, Ocean & Atmo Sci, *October 15, 2018* 12:04pm

Comments

Eric Kirby (College Approver - Earth, Ocean & Atmospheric Sciences) October 15, 2018 12:04pm This proposal has the support of the College of Earth, Ocean, and Atmospheric Sciences and the Environmental Sciences program.

2. Review - Curriculum Coordinator

Sent Back by <u>Janice Nave-Abele</u> Curriculum Coordinator / University Accreditation, *October 17, 2018* 3:34pm

Comments

Janice Nave-Abele (Curriculum Coordinator) October 17, 2018 3:34pm

- 1. Question 1a. should contain information on the CIP code. I have attached that information in a block that you can cut and paste into your proposal
- 2. A Summary Table is needed (please see attached). You can complete the table and cut and paste into your document at the end of Question 1b.
- 3. Font used in the proposal is Times New Roman. The font is required by HECC (Higher Education Coordinating Commission) to be Arial 10,11,or 12 pt. Please reformat using the required font.
- 4. There are a few typographical corrections and additions suggested in the attached edited version of your proposal. (See attached sent in an Email and added to this proposal under "Other Attachments.")

 5. Question 3 (the final paragraph "Other OSLI") mentions that other OSLI-Cascades faculty in Science
- 5. Question 3 (the final paragraph "Other OSU") mentions that other OSU-Cascades faculty in Science, Social Science, and Liberal Studies will complement the dedicate faculty listed. Please list the names and the areas of expertise of the faculty who have agreed to support the program.
- 6. There currently exists an approved but not yet in effect (added to the Catalog officially) change of the Environmental Sciences curriculum here at OSU-Corvallis. Please review this new change proposal to ensure that the curriculum you have listed in your proposal matches that of the new curriculum in Environmental Sciences. Here is the link to the approved

proposal: https://secure.oregonstate.edu/ap/cps/proposals/view/102541

--Janice, APA

3. Originator Response

Ronald Reuter Assistant Professor / Acad Prog / Student Aff, October 26, 2018 2:24pm

4. Review - Curriculum Coordinator

Sent Back by <u>Janice Nave-Abele</u> Curriculum Coordinator / University Accreditation, *October 30, 2018* 11:18am

Comments

Janice Nave-Abele (Curriculum Coordinator) October 30, 2018 11:18am Sending back to the originator for re-uploading of proposal per IT.

5. Originator Response

Ronald Reuter Assistant Professor / Acad Prog / Student Aff, October 30, 2018 11:19am

6. Review - Curriculum Coordinator

Approved by <u>Janice Nave-Abele</u> Curriculum Coordinator / University Accreditation, *October 30, 2018* 11:55am

Comments

Janice Nave-Abele (Curriculum Coordinator) October 30, 2018 11:55am
At the request of the originator, the CIP definition was added to his proposal.

The CPS proposal is being forwarded to the Budgets and Fiscal Planning Committee. It is being pushed past the Graduate School.

A separate email request has been sent to the Budgets and Fiscal Planning Committee, Curriculum Council, and Executive Committee for a concurrent review of the proposal.

Janice

-APA

7. Review - Graduate School

Approved by <u>Janice Nave-Abele</u> Curriculum Coordinator / University Accreditation, *October 30, 2018 11:57am*

Comments

Janice Nave-Abele (Graduate School) October 30, 2018 11:57am

The CPS proposal is being forwarded to the Budgets and Fiscal Planning Committee. It is being pushed past the Graduate School.

A separate email request has been sent to the Budgets and Fiscal Planning Committee, Curriculum Council, and Executive Committee for a concurrent review of the proposal.

Janice

-APA

8. Review - Budgets and Fiscal Planning Committee

Approved by Andrew Ibarra Dir-Physical Activity Program / Sch of Bio/Pop Hlth Sci, *November 30, 2018 9:10am*

9. Review - Graduate Council Chair

Approved by Lisa Ganio Department Head / Statistics (Science), November 30, 2018 9:41am

Comments

Lisa Ganio (Graduate Council Chair) November 30, 2018 9:41am Not a graduate degree

10. Review - Curriculum Council Chair

Sent Back by <u>Allen Thompson</u> Associate Professor / Philosophy Department, *December 5, 2018 2:13pm* **Comments**

Allen Thompson (Curriculum Council Chair) December 5, 2018 2:13pm

After review, Curriculum Council returns this proposal requesting additional liaisons, representing the Corvallis campus unit leaders who have responsibility for the syllabi, learning outcomes, and content of many of the proposed program courses, including Selina Heppell (Fish & Wildlife), Jay Noller (Crop & Soil Science), Jen Alix-Garcia (Applied Econ), Ricardo Mata Gonzalez, and Denise Lach (Public Policy). Additionally, re: a worry about the lack of coordination and communication with Corvallis programs, Council would like to see a letter of support for the proposal from Kaplan Yalcin, Assistant Dean of

Instructional Programs, CEOAS. In this vein, there is concern that the letter of support documentation from PSU is merely an acknowledge of receipt and a promise to look into the issue - explicitly asking not to go on record in support until further notice. In sum, please add liaisons and address or secure these letters of support.

11. Originator Response

Ronald Reuter Assistant Professor / Acad Prog / Student Aff, February 1, 2019 12:25pm

Comments

Ronald Reuter February 1, 2019 12:25pm

On Jan 24, Reuter sent out letters of liaison to all OSU course departments of the courses in the Cascades version of ENSC. Also emailed leads of Oregon Institutions having an environmental sciences program (or very similar). University of Oregon's Environmental Studies program is not very similar and leadership over the program was not clear in their websites and no letter was sent there.

New external responses from SOU and OIT were received and put into the Letters of Support section. PDX and WOU acknowledged receipt but did not provide feedback yet. WOU has not originally been canvased.

The departments that have courses used in the main curriculum of the ENSC degree were contacted and informed that ENSC was being proposed for Cascades. Sample is shown in the Liaison section. Several emailed letters were responded to - those are included in the liaison response section. Other acknowledged but did not provide responses. Some did not acknowledge receipt at all.

All the departments contacted have already had their courses taught here at Cascades via the Natural Resources program, so liaison with those departments about courses has been ongoing since the offering of NR at Cascades in 2000, and by Reuter specifically since 2006. Adding these to the ENSC curriculum is not adding the course to Cascades. All new courses brought to Cascades for the NR (and the potential ENSC) program are vetted with the home Corvallis department and the instructor and syllabus also vetted prior to course listing. Because of this existing liaison on a course-by-course basis, these liasions were not included in the original ENSC proposal. Hopefully the actions captured in this resubmission address the concerns of the committee.

With regard to a support letter from Kaplan Yalcin, this was not pursued as the college academic associate dean Eric Kirby was a signatory liaison. The ENSC program at Cascades was presented to the CEOAS leadership and board of advisors during their annual retreat in fall term.

12. Review - Curriculum Council Chair

Approved by <u>Allen Thompson</u> Associate Professor / Philosophy Department, *February 8, 2019 1:00pm* **Comments**

Allen Thompson (Curriculum Council Chair) February 8, 2019 1:00pm

Council members encourage the originator to continue to stay in close coordination with Larry Becker, Director of the Environmental Science degree in CEOAS, Kaplan Yalcin, Assistant Dean Student Programs, and Mary Chuinard, Head Adviser CEOAS/Env Sci. In particular CEOAS want to make sure things like course scheduling are coordinated. For example, so they don't offer an online course in the same term Cascades is offering a course.

13. Review - Faculty Senate Exec Committee

Pending Review

More Queued Reviews (4)

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

Proposal

Proposal ID:99417

Type:New Degree Program

Submission Date: February 1, 2019 12:25pm

Comments

This proposal is to offer the existing Environmental Sciences undergraduate degree program at OSU-Cascades.

PROPOSAL REVIEW, APPROVAL, and IMPLEMENTATION PROCESS

Review and Approval Steps:

College of CEOAS -Initial Contact: September 27. 2018

College of CEOAS - Dean: September 18, 2018

College of CEOAS - Curriculum Committee: October 15, 2018

Academic Programs Committee: NA

Space Evaluation (Capital Planning and Development): April 23, 2018

Library Evaluation (Valley Library): February 23, 2017 Graduate School (Program Learning Outcomes): NA

Budgets and Fiscal Planning Committee:

Graduate Council: NA Curriculum Council Chair: Executive Committee: Faculty Senate: OSU Provost:

External Review (Graduate Degree Programs Only): NA

Graduate Council - External Review Report: NA

OSU Board of Trustees: Statewide Provosts' Council:

Higher Education Coordinating Commission:

Implementation:

Submitted to Registrar's Office: NWCCU Prospectus Submitted:

Campus Notification by the Office of Academic Programs and Assessment:

Final Action Date:

Effective Term (Proposed): Effective Term (Actual):

CPS #: 99417 CIP #: 03.0104

SIS Major Codes: to be assigned by the Registrar's office

Professional Accreditation:

Certification:

Location:

History

Active Version - Submitted February 1, 2019 12:25pm

Version 3 - Submitted October 30, 2018 11:19am Version 2 - Submitted October 26, 2018 2:24pm

Version 1 - Submitted September 27, 2018 10:20am

Originators

NAME	TITLE	DEPARTMENT/SCHOOL
Ronald Reuter	Assistant Professor	Acad Prog / Student Aff
Kara Witzke	Interim Assistant Dean	Acad Prog / Student Aff

Contacts

NAME	TITLE	DEPARTMENT/SCHOOL
M Jane Reynolds	Dir-Enrollment Services	Acad Prog / Student Aff
Dianna Raschio	Advisor-Academic	Acad Prog / Student Aff
Julie Gess-Newsome	Dean of Academic Affairs	Acad Prog / Student Aff
Brian Palmer	Assoc Director/Enrollment Svcs	Acad Prog / Student Aff

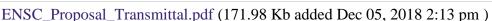
Proposal Details

College:College of Earth, Ocean and Atmospheric Sciences Department/School:No Department Program Type:Undergraduate Major New Degree Name: Environmental Sciences - OSU-Cascades Campus

Supporting Documents

DOCUMENTS

* Signed Transmittal Sheet 1991



* Executive Summary **



<u>ensc_exec_summ.docx</u> (53.55 Kb added Dec 05, 2018 2:13 pm)

* Proposal 🚇

ENVIRON SCI-new location-10-26-18 (4).docx (95.54 Kb added Dec 05, 2018 2:13 pm)

PSU PDX_liaison.pdf (35.23 Kb added Dec 05, 2018 2:13 pm)

SOU souther oregon liaison.pdf (51.88 Kb added Dec 05, 2018 2:13 pm)

OIT <u>OIT Liaison.pdf</u> (35.54 Kb added Dec 05, 2018 2:13 pm)

renewed letter to OIT, WOU, PDX, and SOU WOU letter.pdf (80.14 Kb added Jan 24, 2019 12:07 pm)

I have sent program leads for environmental studies and sciences at OIT, SOU, PDX, and WOU a liaison letter and let them know to contact me with concerns. The attached example letter is to WOU, but with the exception of the institute name, the letters are the same. Earlier communications have suggested that there is not a large concern for ENSC at OSU-Cascades. Responses came from OIT, SOU. PDX and WOU acknowledged receiving the new letter but did not provide feedback by Jan 31 (that date was included in the liaison email, not in the letter)

OIT Response OIT_response.pdf (109.84 Kb added Jan 28, 2019 10:52 am)

SOU_response SOU_response.pdf (81.95 Kb added Jan 28, 2019 10:52 am)

* Accessibility Form 🔮



ENSC_accessibility_form16.426.pdf (204.98 Kb added Dec 05, 2018 2:13 pm)

* Library Evaluation

2017_Cascades_Environmental_Sciences_Library_Review.pdf (39.62 Kb added Dec 05, 2018 2:13 pm)



ENSC faculty list.docx (102.27 Kb added Dec 05, 2018 2:13 pm)

Other Attachments



EnviroScience Budget Narrative-020818.docx (17.73 Kb added Dec 05, 2018 2:13 pm) budget narrative

Environmental Science Space Letter_180430_FINAL.pdf (899.36 Kb added Dec 05, 2018 2:13 pm)

ENSC_cascades_4-yr.pdf (142.62 Kb added Dec 05, 2018 2:13 pm) Cascades 4-yr example course plan

Environmental Sciences ProposalEmail.pdf (1.52 MB added Dec 05, 2018 2:13 pm)

RE Environmental Sciences ProposalEmail2.pdf (122.83 Kb added Dec 05, 2018 2:13 pm)

Gess-Newsome Support of Program Extension to OSU Cascades.pdf (111.55 Kb added Dec 05, 2018 2:13 pm)

LIAISONS

* Liaisons 🚇



Larry Becker Request: None Response: None

Noller, Jay

Request: soil.pdf (77.26 Kb added Jan 24, 2019 8:40 am)

Response: None

Hall, Trov

Request: fes.pdf (77.17 Kb added Jan 24, 2019 8:41 am)

Response: None

Alix-Garcia, Jennifer

Request: aec.pdf (77.53 Kb added Jan 24, 2019 8:42 am)

Response: *None*

Dugger, Bruce

Request: fw.pdf (77.18 Kb added Jan 24, 2019 8:42 am)

Response: FW_response.pdf (64.05 Kb added Jan 24, 2019 8:42 am)

Bernell, David

Request: pol_sci.pdf (77.25 Kb added Jan 24, 2019 8:42 am)

Response: None

Mason, Bob

Request: <u>biology.pdf</u> (77.43 Kb added Jan 24, 2019 8:43 am)

Response: None

Jones, JUlia and Kent, Adam

Request: geo-geog.pdf (77.97 Kb added Jan 24, 2019 8:43 am)

Response: None

Mata Gonzalez, Ricardo

Request: range.pdf (78.02 Kb added Jan 24, 2019 8:44 am)

Response: None

Lajtha, Kate

Request: <u>sus.pdf</u> (77.54 Kb added Jan 24, 2019 8:44 am)

Response: SUS_response.pdf (56.06 Kb added Jan 24, 2019 8:44 am)

BUDGET INFORMATION

* Budget Year 1 🎱

EnviroScience_osubudget_worksheet.xlsx (25.73 Kb added Dec 05, 2018 2:13 pm)

* Budget Year 2 🚇

EnviroScience_osubudget_worksheet.xlsx (25.73 Kb added Dec 05, 2018 2:13 pm)

* Budget Year 3 🊇

EnviroScience osubudget worksheet.xlsx (25.73 Kb added Dec 05, 2018 2:13 pm)

* Budget Year 4 🎱

EnviroScience_osubudget_worksheet.xlsx (25.73 Kb added Dec 05, 2018 2:13 pm)



Proposal Transmittal Sheet

Full Category I and Abbreviated Category I Proposals

Submit proposals to: Office of Academic Programs, Assessment, and Accreditation 314 Waldo Hall – Oregon State University

Attach Transmittal Sheet; Proposal; Library Evaluation (performed by the Library for Full Category I proposals), Letters of Support (external to OSU); Liaison Correspondence (internal to OSU), External Review (new graduate program proposals), and Budget Information (both OSU and HECC budget sheets for Full Category I proposals and OSU budget sheets for Abbreviated Category I proposals)

27, 344 904 904 904 904 904 904 904 904 904 9		
Full Category I Proposals: New I	Other F	iated Category I Proposals: Proposals
campus, and substantive changes: Higher Education Coordinating Commission (HECC)		ovalfor new academic units, renames, reorganizations, ensions: OSU Provost
Final Approval for new certificate programs:	OSU Provost Final Appr	oval for terminations: OSU Board of Trustees
Check one:	CI	neck one:
New Degree Program	Es	tablish: new college, school, department or program
New Certificate Program	Re	name: change the name of an existing academic program or academic unit
X Extend Program to OSU Branch	Campus Re	organization: move the responsibility of an academic program from one academic unit to
Substantive Change		another; reorganize existing academic unit(s), including mergers and splits
	Su	spension (or Reactivation): suspend an academic
	Te	program (maximum period: three years) rmination: terminate an academic program or
		academic unit
Title of Proposal:		Proposed Effective Term:
Existing Environmental Science program		Fall 2019 09:14:03 PDT
School/Department/Program:	Coll	ege:
Environmental Sciences	osi	J-Csacades
I certify that the above proposal has bee administrators and committees. I appro		oriate Program, Department, School, and College
Jewene C. Bak	13 Sept. 2019	Dr. Laurence Becker
Sign (ENSC Program Lead) Date	v	Print (ENSC Program Lead)
-Docusigned by: Roberta Marinelli	/18/2018 20:01:39	PDT Roberta Marinelli
——————————————————————————————————————	Date	Print (CEOAS Dean)

Julia Gess-Newsome	8/15/18	Dr. Julie Gess-Newsome
Sign (വട്ടുപ്പൂÇascades Dean)	Date	Print (OSU-Cascades Dean)
Rebecca Johnson		Dr. Rebecca Johnson
Sign (OSU-Cascades Vice President)	Date	Print (OSU-Cascades Vice President)



OSU-Cascades 1500 SW Chandler Ave. Bend, Oregon 97702

P 541-322-3123 OSUcascades.edu

New Location Undergraduate Degree Program Proposal: Environmental Science (ENSC)

College of Earth, Ocean, and Atmospheric Sciences
Proposed Effective Term: Fall 2019
CPS Tracking #:

The purpose of this proposal is to extend the existing BS Environmental Sciences degree program (ENSC), sponsored by the College of Ocean, Earth, and Atmospheric Sciences, to the OSU-Cascades Campus in Bend. OSU-Cascades is expanding the offering of 4-year programs to increase campus enrollment and to help meet the goals of the Oregon's 40-40-20 initiative.

The Environmental Sciences degree builds on the interdisciplinary strengths in the natural and social sciences at OSU. Our students learn broadly about environmental sciences from a variety of perspectives, while deeply exploring one area of specialization. Experiential learning is a key part of the degree program since participating in research or an internship provides an opportunity to actively engage in the field of environmental sciences outside the classroom.

ENSC will complement the existing Natural Resources, Biology, and Sustainability programs at OSU-Cascades while building capacity for new students at the campus. Bringing the ENSC degree with two options requires the addition of only one to two courses. Enrollment expectations for the first year, Fall 2019, will be around 5 and increase to 15 by year five. Environmental Sciences is a strong undergraduate program at OSU-Corvallis. Initial consultation with other state institutions (SOU, OIT, PSU) with similar programs indicate that impact on those programs will be minor.



Proposal for Delivery of an Existing Program to a New Location

1. Program Description

a. Program title, level, and delivery sites.

CIP Code 03.0104

Environmental Sciences, BS Level, adding to OSU-Cascades in Bend

Definition: A program that focuses on the application of biological, chemical, and physical principles to the study of the physical environment and the solution of environmental problems, including subjects such as abating or controlling environmental pollution and degradation; the interaction between human society and the natural environment; and natural resources management. Includes instruction in biology, chemistry, physics, geosciences, climatology, statistics, and mathematical modeling.

b. Department and school/college that would offer the program. Include the name of the institution program coordinator.

Delivery of the program would be by OSU-Cascades. Coordination for the offering at OSU-Cascades will be by Dr. Ron Reuter, currently program lead for the Natural Resources degree program.

- CIP (Classification of Instructional Program)#:03.0104
- CPS#: 99417
- Degree Type: Bachelor of Science in Environmental Sciences
- Program Type: Undergraduate
- Academic Home: OSU-Cascades Branch Campus
 - o College of Earth Atmospheric and Oceanic Sci
- Location: OSU-Cascades Branch Campus
- Undergraduate Specialization:
- Undergraduate Minor:
- Course Designator: ENSC
- Credit Hours: 180
- Pre-/Pro-Model: No
- Delivery Mode: On-campus
- Enrollment Limitations:
- Accreditation: NONE
- Proposed Effective Date: AY 2019

c. Briefly describe the academic program. List all course titles, including number of credits.

The Environmental Sciences degree builds on the interdisciplinary strengths in the natural and social sciences at OSU. Our students learn broadly about environmental sciences from a variety of perspectives, while deeply exploring one area of specialization. Experiential learning is a key part of the degree program since participating in research or an internship provides an opportunity to actively engage in the field of environmental sciences outside the classroom.

The table below documents the minimum requirements for the degree and courses that exist or will be offered at OSU-Cascades to complete the degree program. Other courses may be offered at OSU-Cascades and have potential to fill one or more degree requirements. The Baccalaureate Core portion of the degree is not included here; several courses in the ENSC core sections and options will also satisfy sections of the Bacc Core.

ENVIRONMENTAL SCIENCES BS AT OSU-CASCADES (* indicates new course at Cascades)

Cascades)				
SCIENCES AND MATH				
MATH (8 CREDITS)				
MTH251	DIFFERENTIAL CALCULUS	4		
MTH252	INTEGRAL CALCULUS	4		
CHEMISTRY (15 CREDITS)				
CH231/261	GENERAL CHEMISTRY + LAB	5		
CH232/262	GENERAL CHEMISTRY + LAB	5		
CH233/263	GENERAL CHEMISTRY + LAB	5		
BIOLOGY (12 CREDITS)				
BI211	PRINCIPLES OF BIOLOGY	4		
BI212	PRINCIPLES OF BIOLOGY	4		
BI213	PRINCIPLES OF BIOLOGY	4		
PHYSICS (8-10 CREDITS)				
PH201 OR 211	GENERAL PHYSICS OR GENERAL PHYSICS W/	5		
	CALCULUS			
PH202 OR 212	GENERAL PHYSICS OR GENERAL PHYSICS W/	5		
CTATICTICS (S.CDEDITS)	CALCULUS			
STATISTICS (8 CREDITS)	NITE OF LOTION TO OTATIOTICAL METHODS			
ST351	INTRODUCTION TO STATISTICAL METHODS	4		
ST352	INTRODUCTION TO STATISTICAL METHODS	4		
CORE (28-38 CREDITS)				
ORIENTATION				
ENSC101*	ENVIRONMENTAL SCIENCES ORIENTATION	1		
ATMOSPHERE				
ATS201	CLIMATE SCIENCE	4		
BIOSPHERE				
BI370	ECOLOGY	3		
HYDROSPHERE				
GEOG340	INTRO TO WATER SCIENCE AND POLICY	3		
GEOSPHERE				
SOIL205/206	SOIL SCIENCE + LAB	4		
HUMANS AND THE ENVIRO (15-20 CREDITS)				
ECONOMICS				

ECON201	INTRO TO MICROECONOMICS	4
ETHICS		
GEO309	ENVIRONMENTAL JUSTICE	3
HUMAN ENVIRO		
ENSC479	ENV CASE STUDIES	3
or SUS102	INTRODUCTION TO ENVIRONMENTAL SCIENCE AND	4
0. 000.02	SUSTAINABILITY	•
or SUS350	SUSTAINABLE COMMUNITIES	4
or Z349	BIODIVERSITY: CAUSES, CONSEQUENCES AND	3
01 2010	CONSERVATION	Ŭ
ENVIRO LAW/POLICY	oono_n.mon	
AEC352	ENV ECONOMICS AND POLICY	3
or PS475	ENV POLITICS AND POLICY	4
ENVIRO MANAGEMENT	ENVI OLITICO AND I OLICI	7
	ICCUIT CIN NATUDAL DECOUDOEC	2
FES365	ISSUE SIN NATURAL RESOURCES	3
or NR455	NR DECISION MAKING	4
or RNG341	RANGELAND ECO AND MNGMT	3
or RNG355	DESERT WATERSHED MNGMT	3
or RNG455	RIPARIAN ECOHYDRO	4
EXPERIENTIAL LEARNING	(3-12 CREDITS)	
	STUDENT SELECTED	3
APPLIED ECOLOGY OPTIO	N	
	lect a minimum of 1 course from below)	
FES 341	FOREST ECOLOGY	3
RNG 341	RANGELAND ECOLOGY AND MANAGEMENT	3
	minimum of 1 course from below)	3
•	•	2
BI371	ECOLOGICAL FIELD METHODS	3
BI375	FIELD METHODS IN ECO REST	4
RNG 353	WILDLAND PLANT ID	4
•	Select 1 to 3 courses from below)	
GEOG 360	GISCIENCE I: GEOGRAPHIC INFO SYSTEMS AND	4
	THEORY	
EL EQTIVES 0 1 40 45	Pr. 7	
ELECTIVES: Select 9-17 cre		_
FES 342	FOREST TYPES OF THE NORTHWEST	3
FES/FW 445	ECOLOGICAL RESTORATION	4
FW 311	ORNITHOLOGY	3
FW 312	SYSTEMATICS OF BIRDS	2
FW 317	MAMMALOGY	3
FW 320 I	INTRODUCTORY POPULATION DYNAMICS	4
FW 481	WILDLIFE ECOLOGY	4
RNG 355	DESERT WATERSHED MANAGEMENT	3
RNG 455	RIPARIAN ECOLOGY AND MANAGEMENT	4
SOIL 366	ECOSYSTEMS OF WILDLAND SOILS	3
Z 477	AQUATIC ENTOMOLOGY	4
<u> </u>	AQUATIC ENTONIOLOGI	4

CONSERVATION, RESOURCES, AND SUSTAINABILITY OPTION

Conservation

Choose at least 3 courses from below:

FES/FW 445	ECOLOGICAL RESTORATION	4
FW 320	INTRODUCTORY POPULATION DYNAMICS	4
FW 370	CONSERVATION GENETICS	4
Resource Management and	Policy	
Choose at least 3 courses fr	om below:	
AEC/ECON 352	ENVIRONMENTAL ECONOMICS AND POLICY	3
FW 323	MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE	3
	NORTHWEST	
GEOG 360	GISCIENCE I: GEOGRAPHIC INFORMATION SYSTEMS AND THEORY	4
PS 475	ENVIRONMENTAL POLITICS AND POLICY	4
RNG 341	RANGELAND ECOLOGY AND MANAGEMENT	3
SUS 304	SUSTAINABILITY ASSESSMENT	4
Society and Values		
Choose at least 1 course fro	m below:	
FES 485	CONSENSUS AND NATURAL RESOURCES	3
GEO 309	ENVIRONMENTAL JUSTICE	3
NR 455	NATURAL RESOURCE DECISION MAKING	4
SUS 350	SUSTAINABLE COMMUNITIES	4

FOUR YEAR SAMPLE PLAN: SEE ATTACHMENT

d. Indicate in what ways the proposed program at the new location(s) will differ from the on campus-Corvallis program.

Other than location and only offering the Applied Ecology and the Conservation, Resources, and Sustainability options, ENSC at OSU-Cascades will be the same as OSU-Corvallis.

e. List any special requirements or prerequisites for admission to the program at the new location(s).

None

f. Is there an accrediting agency or professional society that has established standards for this program? If so, is the program currently accredited? If accredited, what steps would be needed to accredit the program at the proposed new location(s)?

None

g. Provide evidence of consultation with other public universities regarding non-duplication of similar programs offered in the same region, or ones that will cause undue hardship to another public university.

Program leads for environmental science at Portland State, environmental science at OIT, and environmental science and policy at SOU have been contacted (see attached emails). Initial impression is that development of ENSC at OSU-Cascades may have some small impact on enrollment at these institutions because of geographical interest, but in the long run, ENSC at all institutions will remain strong due to increasing needs for resource professionals in the public and private sectors.

2. Demand

a. List any similar programs offered at the proposed or nearby location(s).

Portland State University offers a BS (major and minor) and a master's program in Environmental Science. Oregon Institute of Technology offers a BS in Environmental Science. Southern Oregon University offers a BS in Environmental Science and Policy.

b. Provide evidence of need for the program at the new location(s).

OSU-Cascades provides undergraduate education in support of the 40-40-20 governor's initiative. OSU-Cascades is expected to grow enrollment to 3,000 – 5,000 students in the next decade. To support this enrollment, OSU-Cascades needs to increase program offerings. Environmental Sciences is a popular undergraduate degree at OSU (Corvallis) with strong post-graduation job placement. ENSC and Natural Resources (NR) share a suite of core courses, but diverge in the science and math requirements for graduation. Offering ENSC at OSU-Cascades will attract students interested in a more science-based study of earth resources and issues while NR will continue to provide a degree path for students interested in a broader policy and application-based degree. Recruiters and advisors at Cascades are asked by prospective students about the availability of the Environmental Sciences degree at OSU-Cascades. The Natural Resources Program Lead has also been approached by prospective students and employers about when an ENSC degree would be available at OSU-Cascades. The demand for this program appears strong.

c. Estimate enrollment and number of graduates over the next five years. Will any enrollment limitation be imposed? If so, how will those to be enrolled be selected?

Estimates of enrollment are below. We expect the first full class of graduates to complete their programs of study by 2023. At this point, no enrollment limitations are planned. While the four-year program will begin in AY2019, we anticipate some students from community college transfers or from major changes to graduate in the second year.

Academic year	New students	Graduating students
2020	5	
2021	8	3
2022	12	5
2023	12	10
2024	15	12

3. Personnel

- a. List qualifications of faculty (regular and/or adjunct) who will be involved in delivering the program to the proposed location(s).
 - Ron Reuter, PhD, Associate Professor of Natural Resources. Reuter has been program lead for NR at OSU-Cascades since 2003 and will serve as lead for the ENSC program as well, as there is topical overlap. Reuter is a multidisciplinary

- scientist with specialization in soil science, landscape ecology, and restoration ecology. PhD Soil Science, University of Minnesota 1999; MS Soil Science, University of Idaho 1995; BS Environmental Resource Management, Penn State 1992.
- Matthew Shinderman, Ph.D., Senior Instructor I Natural Resources. Shinderman has been an instructor at OSU-Cascades since 2006 and is also program lead for the sustainability double degree at OSU-Cascades. He teaches courses ranging from endangered species ecology to rangeland ecosystem management, and his scholarly interests include sustainability in brewery and vineyard settings, ecological assessment of urban landscapes, ecological restoration and species adaptation to climate change. PhD Ecosystem Management, Colorado State University; MS Rangeland Science, Utah State University. He created and directs the HERS (Human and Ecosystem Resilience and Sustainability) Lab at OSU-Cascades, a trans-disciplinary unit focused on triple-bottom-line approaches to human community development and ecosystem management. Under the HERS umbrella, Matt is working with the National Park Service to develop a park studies unit at OSU-Cascades which will serve as a nexus for research, management recommendations and curricula related to management of U.S. national parks.
- Seth Ganzhorn, Ph.D., Instructor. Ganzhorn was hired in Fall 2017 in support of the existing Natural Resources program and in anticipation of implementation of the Environmental Sciences program. Prior to his hire, Seth was a postdoctoral research fellow and instructor at Fordham University in New York. PhD Tropical Forest Ecology, Fordham University; MS Ecology, Fordham University
- Matt Orr, PhD., Assistant Professor of Biology. Matt Orr has a BA in Biology from Amherst College and a Ph.D. in Population Biology from the University of California, Davis. His students examine questions in terrestrial and restoration ecology in forest, field, and stream habitats in Central Oregon. Orr delivers the ecology and genetics classes for the biology program that ENSC students will use in their degree program.
- - Dr. Pat Ball (biology)
 - Dr. Ann Petersen (biology)
 - o Dr. Kristina Smith (biology)
 - o Dr. Jeff Gautchi (chemistry)
 - Dr. Scott Geddes (chemistry)
 - Silas Rowne, MS (chemistry)
 - Ryan Scheirer, MS (physics)
 - Pablo Baldivieso, MS (statistics)
 - Dr. Beth Marino (anthropology)
 - o Dr. Nick Dahl (communications)
 - Dr. Natalie Dollar (communications)
- **b.** Estimate the number and type of support staff needed to provide the program at the new location(s).

Advisors: Advising for this program will fall under the duties for the existing NR advisor at OSU-Cascades and will not require another hire during the first five years of the program.

4. Other Resources

a. Describe facilities (e.g., buildings, labs, equipment) necessary to offer the program at the new location(s).

Facility requirements for this program are classroom, lab space, and transportation for field components. These are met by the OSU-Cascades campus and current equipment available to the NR program. Field vehicles are rented from the Central Oregon Community College fleet on an as-needed basis. (See space evaluation letter)

b. Indicate how library needs will be met.

OSU-Cascades has established a Library Learning Center with an instructional librarian and a staff member. A small physical collection as well as course reserves are managed by the Learning Center. Students will have access to the digital collections of OSU. The OSU Library has reviewed the resources and determined that current resources are adequate: the assessment is included. (The assessment was completed in AY2017).

c. Indicate how students at the new location(s) will receive student services (e.g., academic advising, financial aid assistance, course registration, access to book/text purchases).

Students are a part of the existing OSU-Cascades campus and the campus has those services in place.

5. Alternative Delivery Methods/Formats

a. Are alternative delivery methods being used (e.g., distance learning or technology-enhanced)? Please describe.

Courses required to complete the degree will be offered face to face on the OSU-Cascades campus. In addition, occasional opportunities for live video cross-campus courses will be available, enhancing learning opportunities for students. For example, in Winter 2017, AGRI 438 Exploring World Agriculture, was broadcast to OSU-Cascades and OSU-Eastern Oregon. Faculty member Reuter is a participant in the cross-campus delivery.

b. Will this program be delivered in an alternative format (e.g., weekend, evening, on-site)? Please describe.

There is no intent to make this program a weekend or evening program. Some courses, such as Bacc Core, may be offered as evening classes at OSU-Cascades.

6. 40-Mile Radius Rule

"Significant change" to a university's academic program includes, but is not limited to, any new undergraduate or graduate degree program, or any existing undergraduate or graduate degree program that will be offered more than 40 miles from the site at which it is currently offered. "Significant change" to a university's academic program does not mean a new undergraduate or graduate certificate program, new minor, or a new name for an existing degree program.

Source: Oregon Administrative Rules (OAR) 715-013-0020(1)

Revised May 2016

Subject: Re: ENSC at OSU-Cascades

Date: Wednesday, December 7, 2016 at 3:39:54 PM Pacific Standard Time

From: John Rueter
To: Reuter, Ronald

carlsonm@pdx.edu, beckerla@science.oregonstate.edu

Ron,

Thanks for including me in this discussion.

I'll look over your curriculum and give you a formal answer soon, but I agree that competition for undergraduate students should not be a big issue. Don't quote me until I look it over though.

John

On Wed, Dec 7, 2016 at 3:30 PM, Reuter, Ronald < Ron.Reuter@oregonstate.edu > wrote:

Hi John -

Been a long time (inter-institutional faculty senate a long while back). You have hopefully heard about our expanding campus here in Bend. Last year we started offering our degrees on a four-year basis, getting away from the 2+2 model we had with Central Oregon Community College. This past summer we moved onto our new campus. As part of meeting the needs of Oregon for education and OSU's role in that task, OSU-Cascades needs to grow programs to meet our enrollment projections of 3000 students by 2025.

Our Natural Resources program has been relatively successful over the years, being in the top five lately and the top three before that. An easy lift for adding dimension to the natural and earth sciences here is bringing over the Environmental Sciences degree from Corvallis. Larry Becker is the program director there. To bring over ENSC, we are completing a Higher Education Coordinating Commission proposal for delivering an existing program to a new location. One of the requirements it to liaise with other state institutions that offer similar programs and check on impact to those institutions.

So I am checking in with you at PSU (and cc'ing Matt Carlson) to get your impression of the impact on PSU of OSU-Cascades offering Environmental Science as a BS degree, potentially also offering the minor as well. We do not have capacity to step into graduate level offerings anytime soon.

The OSU ENSC curriculum can be found at http://ceoas.oregonstate.edu/envsci/. We would be offering the Applied Ecology specialization area. While I don't envision a large impact, other than maybe one or two students choosing Bend over Portland, you may have a different impression.

Hope you get a chance to think about this and respond before the holidays. If you have questions about anything, please let me know.

Cheers.

Ron

Ron Reuter

Assistant Dean OSU-Cascades

Natural Resources Program Lead

(<u>541</u>) <u>322-3109</u>

--

John Rueter Professor and Chair Environmental Sciences and Management Portland State University rueterj@pdx.edu Subject: Re: ENSC at OSU-Cascades

Date: Monday, December 12, 2016 at 2:48:56 PM Pacific Standard Time

From: Vincent Smith
To: Reuter, Ronald

CC: beckerla@science.oregonstate.edu

Ron,

Thank you for forwarding your vision for an expanding environmental science program at OSU-Cascades. I am delighted to see environmental science programming expanding throughout higher education. To be frank, I suspect you will compete for more than a few of our current students. We have many students who join us from Bend/Sisters and surrounding areas. That said, I also see numerous opportunities for collaboration between our institutions and look forward to those opportunities in the future. As you are aware, OSU, SOU, and other institutions across Oregon will need to think carefully about how we grow and fund ourselves in the future. I express my concern for the future of both of our programs as resource limitation and changing demographics impact our programs. I wish you the very best in your process moving forward and hope you will reach out regularly to your colleagues down here in Ashland as we work together to impact the future of our state and planet!

Vincent M. Smith, PhD

Associate Professor, Environmental Science & Policy, Sociology & Anthropology Chair, Environmental Science & Policy Green House "Learning Community"

Southern Oregon University | 1250 Siskiyou Blvd | Ashland OR 97520 541-552-6802 | Taylor Hall 218



Why I'm at SOU: https://www.youtube.com/watch?v=Ski0MzPd5IM

On Wed, Dec 7, 2016 at 3:42 PM, Reuter, Ronald < Ron.Reuter@oregonstate.edu > wrote:

Hi Vincent,

You have hopefully heard about our expanding OSU-Cascades campus here in Bend. Last year we started offering our degrees on a four-year basis, getting away from the 2+2 model we had with Central Oregon Community College. This past summer we moved onto our new campus. As part of meeting the needs of Oregon for education and OSU's role in that task, OSU-Cascades needs to grow programs to meet our enrollment projections of 3000 students by 2025.

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Subject: Re: ENSC at OSU-Cascades

Date: Thursday, December 8, 2016 at 1:42:48 PM Pacific Standard Time

From: Michael Hughes
To: Reuter, Ronald

CC: beckerla@science.oregonstate.edu, Rosalind McClure, LeAnn Maupin

Hi Ron,

Thank you for reaching out...

I realize this is more of a requirement than a courtesy, but I nonetheless appreciate the info and imagine some mutual benefits in contemplating and discussing the impacts of your proposal.

Would you like to schedule a meeting or conference call? I would invite our Natural Sciences Chair, Rose McClure, and our HAS Dean and Interim Provost, LeaAnn Maupin, both copied here...

It's indeed too bad we haven't been able to connect on wetlands, although maybe we shouldn't give up just yet...:-)

Michael L. Hughes Director of Environmental Sciences Oregon Institute of Technology 3201 Campus Drive Klamath Falls, OR 97601 541-885-1642 http://www.oit.edu/faculty/mhughes

From: Reuter, Ronald <Ron.Reuter@oregonstate.edu>

Sent: Wednesday, December 7, 2016 3:35 PM

To: Michael Hughes

Cc: beckerla@science.oregonstate.edu

Subject: ENSC at OSU-Cascades

Hi Michael,

I think a long while ago we were supposed to get together and work on a field course in wetlands. Funny how busy life gets and opportunities slip by. You have hopefully heard about our expanding campus here in Bend. Last year we started offering our degrees on a four-year basis, getting away from the 2+2 model we had with Central Oregon Community College. This past summer we moved onto our new campus. As part of meeting the needs of Oregon for education and OSU's role in that task, OSU-Cascades needs to grow programs to meet our enrollment projections of 3000 students by 2025.

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So I am checking in with you at OIT (and cc'ing Larry Becker) to get your impression of the impact on OIT of

OSU-Cascades offering Environmental Science as a BS degree, potentially also offering the minor as well. We do not have capacity to step into graduate level offerings anytime soon.

The OSU ENSC curriculum can be found at http://ceoas.oregonstate.edu/envsci/. We would be offering the Applied Ecology specialization area. While I don't envision a large impact, other than maybe one or two students choosing Bend over Klamath Falls, you may have a different impression.

Hope you get a chance to think about this and respond before the holidays. If you have questions about anything, please let me know.

Cheers.

Ron

Ron Reuter Assistant Dean OSU-Cascades Natural Resources Program Lead (541) 322-3109



Oregon State University – Cascades 1500 SW Chandler Avenue, Bend, Oregon 97702 T 541-322-3109 | ron.reuter@oregonstate.edu

Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Jeffrey Templeton
Western Oregon University
Earth Science

RE: Environmental Sciences Program at OSU-Cascades

Dear Dr. Templeton,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires an OSU Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

OSU-Cascades currently offers over 20 academic programs, including Natural Resources. Our proposed version of ENSC falls under the existing program in CEOAS. The curriculum of ENSC at OSU-Cascades will have oversight by CEOAS. Our campus program lead will run the program as approved by the program lead in Corvallis. We are initially proposing to offer the "Applied Ecology" and "Conservation and Sustainability" options at OSU-Cascades as those tracks fit well with existing curriculum, faculty teaching and research interests, and demand from prospective students and communities.

We recognize that offering ENSC at OSU-Cascades may cause some initial competition for students with WOU, however, we expect the impact to be minimal, especially since students could already choose the Natural Resources program at Cascades, which has been offered since 2000. The attached document shows the proposed OSU-Cascades ENSC curriculum for the initial offering. Our growth projections for the program are:

Academic year	New students	Graduating students
2020	5	
2021	8	3
2022	12	5
2023	12	10
2024	15	12

This letter serves as liaison about the proposal to include ENSC at OSU-Cascades. If you have questions, concerns, or would like to provide a letter of support for the proposal, please let me know. Feel free to contact me if you have questions going forward.

Sincerely.

Hento

Subject: RE: ENSC at OSU-Cascades

Date: Monday, January 28, 2019 at 9:51:54 AM Pacific Standard Time

From: Jherime Kellermann
To: Reuter, Ronald

Hi Ron,

Thanks for reaching out. It is surprising our paths have not crossed earlier!

I reviewed the proposed curriculum for the new OSU-Cascades ENSC program. While we will undoubtedly have a bit of competition, I don't think this new program will intensify that which already exists, considering the relatively comparative NR program there and honestly just the reality of the looming OSU presence in the far hipper city of Bend (there are regularly OSU-Cascades billboard ads as you enter/exit Klamath Falls). I think the inherent differences in our curricula, locations, student profiles, and project opportunities will continue to distinguish the programs. Also, perhaps we can work together to enhance general interest and funding in Environmental Sciences and Natural Resources work and research in eastern Oregon for the benefit of all! I'd be happy to chat more in this regard at any time.

Cheers Jherime

Jherime Kellermann, PhD Associate Professor Environmental Sciences Program Director Oregon Tech

Office phone: 541-851-5156

Office: DOW 208

Personal Website: https://jherimekellermann.weebly.com/ Mailing address: 3201 Campus Dr., Klamath Falls, OR 97601

From: Reuter, Ronald <Ron.Reuter@oregonstate.edu>

Sent: Thursday, January 24, 2019 10:57 AM

To: Jherime Kellermann < Jherime.Kellermann@oit.edu>

Subject: ENSC at OSU-Cascades

Jherime,

First, as I was trying to find out who at OIT to send this to, I was looking at your background, to see if I could come up with something to rif about before getting down business. We have a lot of commonalities that are pretty bizarre! I learned to ski at Shawnee and loved driving through the DWG. As I got older I have always thought I would have loved to spend more time there in my youth, especially after reading John McPhee's discussion of geology through the water gap. I grew up in Allentown NJ (exit 7a). I went to Penn State too! Did two years at Hazleton before heading to State College. And I taught in RRWS at Humboldt for 2.5 years before moving to Oregon. And I like looking at birds in tropical areas (Costa Rica though, not Jamaica! See – so much common in background.

Second, to the business. Two years ago I wrote then program lead Michael Hughes (see below) about OSU-Cascades wanting to bring the OSU Environmental Sciences program to Cascades. I finally have that in the approval process. It will go through the OSU process and eventually make it to HECC. I am attaching a liaison letter and our planned base curriculum for the program here in Bend.

If you and your group have any concerns or comments on bringing ENSC to Cascades, please let me know. Thanks.

Ron

Ron Reuter **OSU Cascades Natural Resources**

From: Michael Hughes < Michael. Hughes@oit.edu > Date: Thursday, December 8, 2016 at 1:42 PM

To: "Reuter, Ronald" < Ron. Reuter@oregonstate.edu >

Cc: "beckerla@science.oregonstate.edu" <beckerla@science.oregonstate.edu>, Rosalind McClure

<<u>Rosalind.McClure@oit.edu</u>>, LeAnn Maupin <<u>LeAnn.Maupin@oit.edu</u>>

Subject: Re: ENSC at OSU-Cascades

Hi Ron,

Thank you for reaching out...

I realize this is more of a requirement than a courtesy, but I nonetheless appreciate the info and imagine some mutual benefits in contemplating and discussing the impacts of your proposal.

Would you like to schedule a meeting or conference call? I would invite our Natural Sciences Chair, Rose McClure, and our HAS Dean and Interim Provost, LeaAnn Maupin, both copied here...

It's indeed too bad we haven't been able to connect on wetlands, although maybe we shouldn't give up just yet...:-)

Michael L. Hughes **Director of Environmental Sciences** Oregon Institute of Technology 3201 Campus Drive Klamath Falls, OR 97601 541-885-1642 http://www.oit.edu/faculty/mhughes

From: Reuter, Ronald < Ron. Reuter@oregonstate.edu >

Sent: Wednesday, December 7, 2016 3:35 PM

To: Michael Hughes

Cc: beckerla@science.oregonstate.edu

Subject: ENSC at OSU-Cascades

Hi Michael,

I think a long while ago we were supposed to get together and work on a field course in wetlands. Funny how busy life gets and opportunities slip by. You have hopefully heard about our expanding campus here in Bend. Last year we started offering our degrees on a four-year basis, getting away from the 2+2 model we had with Central Oregon Community College. This past summer we moved onto our new campus. As part of meeting the needs of Oregon for education and OSU's role in that task, OSU-Cascades needs to grow programs to meet our enrollment projections of 3000 students by 2025.

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So I am checking in with you at OIT (and cc'ing Larry Becker) to get your impression of the impact on OIT of OSU-Cascades offering Environmental Science as a BS degree, potentially also offering the minor as well. We do not have capacity to step into graduate level offerings anytime soon.

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Hope you get a chance to think about this and respond before the holidays. If you have questions about anything, please let me know.

Cheers.

Ron

Ron Reuter Assistant Dean OSU-Cascades Natural Resources Program Lead (541) 322-3109 Subject: Re: ENSC at OSU-Cascades

Date: Monday, January 28, 2019 at 8:11:27 AM Pacific Standard Time

From: Vincent Smith
To: Reuter, Ronald

Ron, Thank you for sharing your progress and curriculum. I am excited for you and for your program. Yes, there will undoubtedly be competition between our programs but I do not see that as a reason for concern. OSU -Cascades and SOU have a great deal to offer students. I'm hopeful this will create a broader range of options for students. I also look forward to finding ways our programs can work together given the similar environmental issues we face. If you have questions or simply want to converse on any subject, please just let me know. I'm on sabbatical at the moment, but certainly happy to chat.

Vincent M. Smith, PhD

Associate Professor, Environmental Science & Policy, Sociology & Anthropology Chair, Environmental Science & Policy Faculty Advisor, The Farm at SOU, A Center for Sustainability Southern Oregon University | 1250 Siskiyou Blvd | Ashland OR 97520 541-552-6802 | Science Hall 069

Why I'm at SOU: https://www.youtube.com/watch?v=Ski0MzPd5IM

On Thu, Jan 24, 2019 at 1:39 PM Reuter, Ronald < Ron.Reuter@oregonstate.edu > wrote:

Hope you are enjoying the smoke-free season there in Ashland!

After about 2 years, I am finally getting the ENSC program for OSU-Cascades into the approval process. It will go through the OSU Curriculum approval and then eventually make it into the HECC process. I am attaching a bit of informational liaison letter and the draft curriculum of the program we will offer at OSU-Cascades. I do acknowledge that there may be some competition for students, but we expect slow growth for the first few years.

If you have any concerns that you think we should be addressing, please let me know. Here's hoping to a full and productive Shakespeare festival this year without much smoke!

Ron

Ron Reuter

OSU Cascades Natural Resources

From: Vincent Smith < smithv3@sou.edu > Date: Monday, December 12, 2016 at 2:48 PM

To: "Reuter, Ronald" < Ron. Reuter@oregonstate.edu >

Cc: "beckerla@science.oregonstate.edu" <beckerla@science.oregonstate.edu>

Subject: Re: ENSC at OSU-Cascades

Ron,

Thank you for forwarding your vision for an expanding environmental science program at OSU-Cascades. I am delighted to see environmental science programming expanding throughout higher education. To be frank, I suspect you will compete for more than a few of our current students. We have many students who join us from Bend/Sisters and surrounding areas. That said, I also see numerous opportunities for collaboration between our institutions and look forward to those opportunities in the future. As you are aware, OSU, SOU, and other institutions across Oregon will need to think carefully about how we grow and fund ourselves in the future. I express my concern for the future of both of our programs as resource limitation and changing demographics impact our programs. I wish you the very best in your process moving forward and hope you will reach out regularly to your colleagues down here in Ashland as we work together to impact the future of our state and planet!

Vincent M. Smith, PhD

Associate Professor, Environmental Science & Policy, Sociology & Anthropology

Chair, Environmental Science & Policy

Green House "Learning Community"

Southern Oregon University | 1250 Siskiyou Blvd | Ashland OR 97520

541-552-6802 | Taylor Hall 218

Why I'm at SOU: https://www.youtube.com/watch?v=Ski0MzPd5IM

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	Hope you get a chance to think about this and respond before the holidays. If you have questions about anything, please let me know.		
	Cheers.		
	Ron		
	Ron Reuter		
	Assistant Dean OSU-Cascades		
	Natural Resources Program Lead		



ACCESSIBILITY

New Program Proposal (Degree or Certificate) Guidelines for Addressing Accessibility

Sections 503 and 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990 (ADA), as amended by the ADA Amendments Act of 2008 prohibits discrimination on the basis of disability. The Rehabilitation Act and the ADA require that no qualified person shall, solely by reason of disability, be denied access to, participation in, or the benefits of, any program or activity operated by the University. Each qualified person shall receive the reasonable accommodations needed to ensure equal access to employment, educational opportunities, programs, and activities in the most integrated setting feasible.

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:		Date:
Expansion of ENSC to OSU-Cascades		3/1/18
School/Department/Program:	College:	
Enviro Science at OSU-Cascades	CEOAS	
Faculty Guidelines (http://ds.oregonstate.edu/facultyguidelines) Information Technology Guidelines (http://oregonstate.edu/accessibility/ITpolicy By signing this form, we affirm that at we have reviewed the listed documents will apply a good faith effort to ensure accessibility in curricular design, deliver and supporting information.		
Information Technology Guideline By signing this form, we affirm that as will apply a good faith effort to ensure	es (http://oregonstate. t we have reviewed t	edu/accessibility/ITpolicy) the listed documents and
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Source: Office of Academic Programs, Assessment, and Accreditation (glb/ch; 4-26-16)

Library Support for the Proposed Environmental Sciences Program on Cascades Campus

This report is an analysis of the capacity of the OSU Cascades local library collection and services, in combination with access to the resources of the whole of OSU Libraries and Press (OSULP), to support the proposed Environmental Sciences degree on the OSU Cascades campus. The Environmental Science degree curriculum will be identical to the one on main campus in Corvallis.

Print Monographs and E-Books

Due to the size restrictions of the OSU Cascades Library, support for this program will depend on the OSU Valley Library in Corvallis and OSULP e-book collections. The print collection at the Valley Library is available to OSU Cascades students by request and are received within 3 working days. The print collection is adequate to support the program.

The growing availability of e-books makes it possible to expedite access to more information from various locations. This immediate access serves the OSU Cascades students and faculty well. Students at the OSU Cascades campus have access to the e-books purchased centrally, which includes over 27,000 titles in environmental science, in a collection of almost 400,000 titles. OSULP has a growing collection of streaming videos, and currently has over 750 on environmental science topics.

OSU is served well by the OSULP investment in the Orbis/Cascades Alliance, whose combined collection is substantial. Students and faculty can order from the collections of all the libraries in the Orbis Cascade Alliance through the Summit catalog. University of Oregon, Portland State University, University of Washington and Washington State University are some of the larger research libraries represented in the Summit catalog. Books requested through Summit are delivered within three to five working days.

Serials/Journals

As determined by the 2008 program review for the Environmental Sciences program, OSU Libraries maintains an adequate collection of journals that support the existing program on the Corvallis campus. In the review, it was determined that OSULP subscribes to 18 of the top 20 environmental sciences journals as listed by impact factor in ISI's Journal Citation Reports. The majority of journal subscriptions are for electronic access to the articles, so OSU Cascades students have immediate access to the content. For journals held in print format, OSULP offers the Scan and Deliver service, which provides PDF copies of articles requested.

Indexes and Databases

The core indexes to the relevant information for this program are shown in Table 1. The OSULP maintain access to these databases as they are core to a number of OSU's primary research and teaching areas.

Table 1: Indexes and Databases for Environmental Sciences

Databases	Years Covered	Subject Coverage
Environmental Sciences	1967-present	Index to research articles in all fields of
& Pollution		environmental science
Management		
Web of Science	1970-present	Multidisciplinary index to thousands of
		scholarly journals
Aquatic Sciences &	1978-present	Index to all aspects of marine and freshwater
Fisheries Abstracts		environments
Wildlife & Ecology	1935-present	Index to all areas of wildlife research
Studies Worldwide		
Environment & Energy	2007-present	News publications on energy, environmental
Publishing		and climate policy
GreenFile		Collection of scholarly, government and
		general-interest titles includes content on the
		environmental effects of individuals,
		corporations and local/national governments
PAIS International	1977-present	Index to public policy materials
GREENR		Reference content in the area of the
		environment, energy and natural resources

Key library services & librarian expertise

Expertise at OSU-Cascades is covered by Sara Q. Thompson, the Cascades Librarian. In that capacity, she provides instruction as requested either in-class or via the web, responds to reference inquiries, and develops materials to assist faculty members and students in their research.

The Primary Contact for the Environmental Sciences is Mary Markland. Primary Contacts serve as the major contact for faculty, staff and students, monitors trends in curriculum and research, attends relevant college, departmental and program events to gain insight, and identifies how OSULP expertise and resources can be most effectively used. The promote OSULP expertise and collaborate with the Expert Leads to integrate and leverage that expertise throughout the OSU Community.

Providing access to items not owned by OSULP is the domain of the Interlibrary Loan and Summit staff both at OSULP and at lending libraries. Print articles located in the OSU Libraries' collections may be requested via the Scan and Deliver service, which provides PDFs of the requested articles.

Summary

OSU Libraries' collections are adequate to support the proposed Environmental Sciences degree at OSU-Cascades campus.

Respectfully submitted,

Laurel Kristick Collection Assessment and Science Librarian February 23, 2017

- Ron Reuter, PhD, Associate Professor of Natural Resources. Reuter has been program lead for NR at OSU-Cascades since 2003 and will serve as lead for the ENSC program as well, as there is topical overlap. Reuter is a multidisciplinary scientist with specialization in soil science, landscape ecology, and restoration ecology. PhD Soil Science, University of Minnesota 1999; MS Soil Science, University of Idaho 1995; BS Environmental Resource Management, Penn State 1992.
- Matthew Shinderman, Ph.D., Senior Instructor I Natural Resources. Shinderman has been an instructor at OSU-Cascades since 2006 and is also program lead for the sustainability double degree at OSU-Cascades. He teaches courses ranging from endangered species ecology to rangeland ecosystem management, and his scholarly interests include sustainability in brewery and vineyard settings, ecological assessment of urban landscapes, ecological restoration and species adaptation to climate change. PhD Ecosystem Management, Colorado State University; MS Rangeland Science, Utah State University. He created and directs the HERS (Human and Ecosystem Resilience and Sustainability) Lab at Cascades, a trans-disciplinary unit focused on triple-bottom-line approaches to human community development and ecosystem management. Under the HERS umbrella, Matt is working with the National Park Service to develop a park studies unit at OSU-Cascades which will serve as a nexus for research, management recommendations and curricula related to management of U.S. national parks.
- Seth Ganzhorn, Ph.D., Instructor. Ganzhorn was hired in Fall 2017 in support of the existing Natural Resources program and in anticipation of implementation of the Environmental Science program. Prior to his hire, Seth was a postdoctoral research fellow and instructor at Fordham University in New York. PhD Tropical Forest Ecology, Fordham University; MS Ecology, Fordham University
- Matt Orr, PhD., Assistant Professor of Biology. Matt Orr has a BA in biology from Amherst College and a Ph.D. in population biology from the University of California, Davis. His students examine questions in terrestrial and restoration ecology in forest, field, and stream habitats in Central Oregon. Orr delivers the ecology and genetics classes for the biology program that ENSC students will use in their degree.
- Other OSU-Cascades faculty in Science, Social Sciences, and Liberal Studies will complement the dedicated faculty listed above

OSU BUDGET NARRATIVE - BS in Environmental Science

Personnel:

Faculty, Tenured/tenure-track:

• No incremental hires dedicated to this program

Faculty, Fixed-term:

Full-time Instructors:

• No incremental hire dedicated to this program

Part-time Instructors:

- Pay rate for 9-month part-time instructors is \$43,002
- Year 1 = 0.46 FTE = \$19,658
- Year 2 = 0.46 FTE = \$19,658
- Year 3 = 0.46 FTE = \$19,658
- Year 4 = 0.46 FTE = \$19,658

Graduate Assistants: No new graduate assistants

Support Staff: No new support staff

OPE:

Tenured/tenure-track faculty:

• None

Full-time Instructors:

None

Part-time Instructors:

- Variable OPE (other benefits only) = 9.83%, escalated at 3% per year
 - Year 1 = \$1,932
 - \circ Year 2 = \$1,990
 - \circ Year 3 = \$2,050
 - o Year 4 = \$2,112

Other Expenses:

Library: No new printed or electronic materials

Services and Supplies:

Recurring:

- Department operating expense
 - Office supplies = \$200 per year
 - Postage = \$100 per year
 - Instructional supplies = \$500 per year
 - Photocopying = \$10 per year

One-Time:

None

Capital Equipment: None

Facilities Renovation: None

Resources:

Current Budget: None required

Tuition: Tuition generated from students enrolled in major (net of 10% Fee Remission)

- Year 1 = 3.3 FTE for academic year = \$26,392
- Year 2 = 5.2 FTE for academic year = \$43,494
- Year 3 = 7.8 FTE for academic year = \$67,197
- Year 4 = 7.8 FTE for academic year = \$69,213



OSU-Cascades

1500 SW Chandler Ave. Bend, Oregon 97702

OSUcascades.edu

4/30/2018

Dr. Ron Reuter Associate Professor, Natural Resources 1500 SW Chandler Avenue Oregon State University - Cascades Bend, OR 97702

Dear Ron,

Thank you for the opportunity to review OSU-Cascades' proposal to the College of Earth, Ocean and Atmospheric Sciences to provide a Bachelor of Science in Environmental Science at the Bend campus. Per my review of the documentation provided and discussed, I understand that the program has some redundancy with current program offerings but will require additional space to accommodate new faculty and field equipment that is not currently available.

I am assuming that courses listed in the proposal can be accommodated in the currently available classrooms through growth in seat capacity utilization or increased scheduled room utilization. The application indicates the Environmental Science program will shares equipment with the Natural Resources program and temporarily lease field vehicles from Central Oregon Community College to support initial program needs. As the program is established I would advise a review of space needs occur for this program to ensure the new facilities will meet anticipated growth needs for the program as the OSU-Cascades campus expands.

Given that your proposal outlines an initial strategy for accommodating the program fully through on-campus facilities and off-campus resources, current space needs should not be impacted by the request and OSU-Cascades Planning and Design supports this proposal.

Sincerely,

Jane M. Barker

Sr. Project Manager for Campus Expansion

face M. Barker

Oregon State University-Cascades

ENSC Cascades Campus - Suggested Year to Year Plan 2019

Year 1								
<u>Fall</u>			Winter			Spring		
Course	Title	Credits APPLIED	Course	Title	Credits APPLIED	Course	Title	Credits APPLIED
WR121 MTH111	English Composition I College Algebra	3 4	WR122 or 227 COMM111	WRII SPEECH	3 3	CH113 BACC CORE	CHEM III LIT AND ARTS	5 4
CHEM 121	CHEMISTRY	5	MTH251	DIFFERENTIAL CALC	4	MTH252	INTEGRAL CAL	4
ENSC101	ENSC ORIENTATION	1	CH112	СНЕМ ІІ	5	HHS231	HEALTH	2
ALS199	U-ENGAGE	2				PAC	FITNESS	1
Fotal .		15			15			16
ear 2								
<u>all</u>			Winter			Spring		
Course	Title	Credits APPLIED	Course	Title	Credits APPLIED	Course	Title	Credits APPLIED
SUS102	INTRO TO ENSC AND SUS	4	BI212	BIO II	4	BI213	BIO III	4
BI211	BIO 1	4	BACC CORE	WESTERN CULTURE	4	ELECTIVE		4
T351	STATS 1	4	BACC CORE	CULT DIVERSITY	3	ATS210	ATMOSPHERE	4
ECON201	MICROECON	4	ST352	STATS II	3	ELECTIVE	APPLIED ECO OPTION	3
otal		16			14			15
Year 3								
<u>all</u>			Winter		***************************************	Spring		
Course	Title	Credits APPLIED	Course	Title	Credits APPLIED	Course	Title	Credits APPLIED
H201	PHYSICS I	5	BI370	ECOLOGY	3	BI371^	ECOL FIELD METHODS	3
OIL205/206	SOILS	4	PH202	PHYSICS II	5	GEO309	ENV JUSTICE	3
LECTIVE	wichcamp rent iib tort	3	AEC352	ENV ECON	3	ELECTIVE	APPLIED ECOL OPTION	4
NG353	CORE)	4	ENSC479^	CASE STUDIES	3	ELECTIVE		4
otal		16			14			14
ear 4								
all		•••••	<u>Winter</u>			Spring		
Course	Title	Credits APPLIED	Course	Title	Credits APPLIED	Course	Title	Credits APPLIED
ES341	FOREST ECO (OPTION CORE		FES365	CURRENT ISSUES IN NR		ELECTIVE		3
EOG340	WATER SCI & POLICY	3	ELECTIVE	APPLIED ECO OPTION	4	FW255	WILDLIFE SAMPLING	3
LECTIVE	APPLIED ECO OPTION	3	GEOG360	GIS (OPT CORE)	4	PS475	ENV POLICY & POLITIC	CS 4
ELECTIVE	APPLIED ECO OPTION	4	ELECTIVE		4	ELECTIVE	UPPER DIVISION	
ELECTIVE		3						
		16			15			14
Total								

Degree

Total

From: <u>Nave-Abele, Janice Lorie</u>

To: Reuter, Ronald

Cc: Gary Beach (Gary.Beach@oregonstate.edu); Trempy, Janine; Trempy, Janine - Email Forward

Subject: Environmental Sciences Proposal

Date: Wednesday, October 17, 2018 3:33:00 PM

Attachments: EnvironmentalSciencesReview.pdf

Template Summary Table.docx CIP Environmental Science.docx

Dear Ron,

The Category I proposal to extend the Environmental Sciences degree at Oregon State University in Corvallis to Oregon State University in Bend has been reviewed by both Gary Beach and myself. Thank you for all of your hard work putting the proposal together. We noticed a few omissions and corrections that will need to be made in order to push the proposal forward:

- 1. Question 1a. should contain information on the CIP code. I have attached that information in a block that you can cut and paste into your proposal
- 2. A Summary Table is needed (please see attached). You can complete the table and cut and paste into your document at the end of Question 1b.
- 3. Font used in the proposal is Times New Roman. The font is required by HECC (Higher Education Coordinating Commission) to be Arial 10,11,or 12 pt. Please reformat using the required font.
- 4. There are a few typographical corrections and additions recommended in the attached edited version of your proposal. (See attached Review)
- 5. Question 3 (the final paragraph –"Other OSU") mentions that other OSU-Cascades faculty in Science, Social Science, and Liberal Studies will complement the dedicate faculty listed. Please list the names and the areas of expertise of the faculty who have agreed to support the program.
- 6. There currently exists an approved but not yet in effect (added to the Catalog officially) change of the Environmental Sciences curriculum here at OSU-Corvallis. Please review this new change proposal to ensure that the curriculum you have listed in your proposal matches that of the new curriculum in Environmental Sciences. Here is the link to the approved proposal: https://secure.oregonstate.edu/ap/cps/proposals/view/102541

I am sending your proposal back to you so that once you have updated the proposal as indicated above, you can upload the new version into the CPS. At that time, the proposal can begin to move forward to the next level of review which is the simultaneous review by the Budgets and Fiscal Planning Committee and the Faculty Senate Curriculum Council.

If you should have any questions, please don't hesitate to contact us.

Kind regards, Janice

Janice Nave-Abele | Curriculum Coordinator | Office of Academic Programs and Assessment | Oregon State University | 541-737-1611 | Waldo 311 | https://apa.oregonstate.edu/



From: <u>Nave-Abele, Janice Lorie</u>

To: Reuter, Ronald

 Cc:
 Gary Beach (Gary.Beach@oregonstate.edu)

 Subject:
 RE: Environmental Sciences Proposal

 Date:
 Wednesday, October 17, 2018 4:32:00 PM

Hi, Ron:

The data entry by the Registrar's office of the approved changes to the degree requirements could take a while given the new policy regarding program changes and when they take effect. You may leave the curriculum part of the proposal "as is." The important thing is that everyone is communicating (which they are) about the changes.

Best, Janice

Janice Nave-Abele | Curriculum Coordinator | Academic Programs and Assessment | 541-737-1611

From: Reuter, Ronald

Sent: Wednesday, October 17, 2018 3:58 PM

To: Nave-Abele, Janice Lorie <Janice.Nave-Abele@oregonstate.edu>

Subject: Re: Environmental Sciences Proposal

Thanks Janice – I'll get to work on these items. For #6, I have discussed this with Larry Becker and Mary Chouinard and we are able to adjust to the changes that they have proposed. I did nto address them in the current proposal as they are not official yet and I didn't want to confuse the issue. If you think I should cover the revised curriculum, then I can adjust for that.

Ron

Ron Reuter

OSU Cascades Natural Resources

From: "Nave-Abele, Janice Lorie" < <u>Janice.Nave-Abele@oregonstate.edu</u>>

Date: Wednesday, October 17, 2018 at 3:33 PM

To: "Reuter, Ronald" < <u>Ron.Reuter@oregonstate.edu</u>>

Cc: "Beach, Gary" < <u>Gary.Beach@oregonstate.edu</u>>, "Trempy, Janine"

<trempyj@oregonstate.edu>, "Trempy, Janine - Email Forward"

<trempyj@science.oregonstate.edu>

Subject: Environmental Sciences Proposal

Dear Ron,

The Category I proposal to extend the Environmental Sciences degree at Oregon State University in Corvallis to Oregon State University in Bend has been reviewed by both Gary Beach and myself. Thank you for all of your hard work putting the proposal together. We noticed a few omissions and corrections that will need to be made in order to push the proposal forward:

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If you should have any questions, please don't hesitate to contact us.

Kind regards, Janice

Janice Nave-Abele | Curriculum Coordinator | Office of Academic Programs and Assessment | Oregon State University | 541-737-1611 | Waldo 311 | https://apa.oregonstate.edu/



From: <u>Nave-Abele, Janice Lorie</u>
To: <u>Nave-Abele, Janice Lorie</u>

Subject: FW: New Location Proposal Ready for Concurrent Review

Date: Monday, November 5, 2018 3:55:05 PM

From: Gess-Newsome, Julie

Sent: Monday, November 5, 2018 1:56 PM

To: Nave-Abele, Janice Lorie <Janice.Nave-Abele@oregonstate.edu>; Alix Gitelman

<gitelmaa@science.oregonstate.edu>

Cc: Reynolds, Jane < Jane. Reynolds@osucascades.edu>; Palmer, Brian A

<Brian.Palmer@osucascades.edu>

Subject: RE: New Location Proposal Ready for Concurrent Review

Hi Janice, OSU-Cascades enthusiastically endorses this proposal. Please list Jane, Brian and I as contacts. Julie

From: Nave-Abele, Janice Lorie

Sent: Monday, November 5, 2018 10:46 AM

To: Gess-Newsome, Julie < <u>Julie.Gess-Newsome@osucascades.edu</u>> **Cc:** Reynolds, Jane < <u>Jane.Reynolds@osucascades.edu</u>>; Palmer, Brian A

<<u>Brian.Palmer@osucascades.edu</u>>

Subject: FW: New Location Proposal Ready for Concurrent Review

Hi, Julie, Jane, and Brian:

I am forwarding this for your information.

Kind regards, Janice

Janice Nave-Abele | Curriculum Coordinator | Academic Programs and Assessment | 541-737-1611

From: Nave-Abele, Janice Lorie

Sent: Friday, November 2, 2018 3:58 PM

To: Thompson, Allen <<u>Allen.Thompson@oregonstate.edu</u>>; Mc Kiel, Carol J

<<u>carol.mckiel@oregonstate.edu</u>>; Ibarra, Andrew <<u>Drew.Ibarra@oregonstate.edu</u>>; Dorbolo, Jon

Louis < jon.dorbolo@oregonstate.edu>

Cc: Reuter, Ronald < <u>Ron.Reuter@oregonstate.edu</u>>; Nunnemaker, Vickie

<<u>vickie.nunnemaker@oregonstate.edu</u>>; Gary Beach (<u>Gary.Beach@oregonstate.edu</u>)

<<u>Gary.Beach@oregonstate.edu</u>>

Subject: New Location Proposal Ready for Concurrent Review

Dear Allen, Carol, Drew, and Jon:

A New Location Proposal for the extension of the **Environmental Sciences B.S.**

degree in the College of Earth, Oceanic, and Atmospheric Sciences to the **Cascades** campus is in the CPS ready for your concurrent reviews. Final review and approval of this undergraduate degree program proposal is the Higher Education Coordinating Commission (HECC).

This is a concurrent review by the Budgets and Fiscal Planning Committee (BFPC; Drew, Chair), the Curriculum Council (CC; Allen and Carol, Co-Chairs), and the Graduate Council (bypassed as this is an undergraduate program). The proposal will not move onto the Executive Committee (EC; Jon, President and Chair) until both of the concurrent reviews have taken place and have been approved.

The link to the entire proposal can be found here:

https://secure.oregonstate.edu/ap/cps/proposals/view/99417

The proposed effective term is 202000 – Summer 2019.

Please contact me if you should have any questions about this Expedited Proposal for the extension of the undergraduate degree.

Kind regards,

Janice

Janice Nave-Abele | Curriculum Coordinator | Office of Academic Programs and Assessment | Oregon State University | 541-737-1611 | Waldo 311 | https://apa.oregonstate.edu/





Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Jay Noller
College of Agricultural Sciences
Crop and Soil Science

RE: Environmental Sciences Program at OSU-Cascades

Dear Jay,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

OSU-Cascades currently offers over 20 academic programs, including Natural Resources. Our proposed version of ENSC falls under the existing program in CEOAS. The curriculum of ENSC at OSU-Cascades will have oversight by CEOAS. Our campus program lead will run the program as approved by the program lead in Corvallis. We are initially proposing to offer the "Applied Ecology" and "Conservation and Sustainability" options at OSU-Cascades as those tracks fit well with existing curriculum, faculty teaching and research interests, and demand from prospective students and communities.

This letter serves as liaison about the proposal to include ENSC at OSU-Cascades and the involvement of your departmental courses that are offered at OSU-Cascades. Feel free to contact me if you have questions going forward.

Sincerely,

CC Diebel



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Troy Hall
College of Forestry
Forest Ecosystems and Society

RE: Environmental Sciences Program at OSU-Cascades

Dear Troy,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

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Sincerely,

CC Rosenberger



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Jennifer Alix-Garcia
College of Agricultural Sciences
Applied Economics

RE: Environmental Sciences Program at OSU-Cascades

Dear Jennifer,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

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Sincerely,

CC Diebel



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Bruce Dugger
College of Agricultural Sciences
Fisheries and Wildlife

RE: Environmental Sciences Program at OSU-Cascades

Dear Bruce,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

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This letter serves as liaison about the proposal to include ENSC at OSU-Cascades and the involvement of your departmental courses that are offered at OSU-Cascades. Feel free to contact me if you have questions going forward.

Sincerely,

CC Diebel

Subject: Environmental Science Program at OSU-Cascades - Liaison

Date: Thursday, January 24, 2019 at 9:01:55 AM Pacific Standard Time

From: Dugger, Bruce **To:** Reuter, Ronald

CC: Diebel, Penelope L, Heppell, Scott, Heppell, Selina S

Hey Ron,

Thanks for the heads up; this is consistent with what you and I discussed earlier. I let Selina know this was coming. I've also cc'd her on this email as a reminder. I've also cc'd Scott Heppell, chair of our Curriculum Committee to broaden the circle.

I do need to follow up with you regarding our discussion last term about how FW courses at Cascades correspond with our offerings in Corvallis. As you may recall, I sent the syllabi for the Cascades offerings of our courses to our faculty and asked for input. A number of folks had concerns about course content so some follow up conversation is needed. I think we also should set something up that guarantees your folks and our folks who teach the same FW course interact more regularly to minimize mission creep. Recall we had the same problem with FW340. Some cross pollination would likely be productive for all involved. No need to go into details here, but I suggest you and I have a follow up phone call to talk about this.

Thanks, Bruce

Bruce Dugger Assoc Prof and Assoc Department Head Dept of Fisheries and Wildlife Oregon State University Corvallis, OR 97331

ph: 541-737-2465

website: http://labs.fw.oregonstate.edu/labs/dugger/

From: Reuter, Ronald

Sent: Thursday, January 24, 2019 8:28 AM

To: Dugger, Bruce <bru>ce.dugger@oregonstate.edu>

Cc: Diebel, Penelope L <Penelope.Diebel@oregonstate.edu> **Subject:** Environmental Science Program at OSU-Cascades - Liaison

Bruce,

Hope you are having a good start to the term!

Attached is a letter explaining our Cat I proposal to bring ENSC to Cascades and how it uses some of the courses used in your department. We have been asked to inform all departments that have courses used in the program about the proposal.

Ron

__

Ron Reuter

Natural Resources Program Lead Oregon State University - Cascades (541) 322-3109



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. David Bernell
College of Liberal Arts
School of Public Policy

RE: Environmental Sciences Program at OSU-Cascades

Dear David,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

OSU-Cascades currently offers over 20 academic programs, including Natural Resources. Our proposed version of ENSC falls under the existing program in CEOAS. The curriculum of ENSC at OSU-Cascades will have oversight by CEOAS. Our campus program lead will run the program as approved by the program lead in Corvallis. We are initially proposing to offer the "Applied Ecology" and "Conservation and Sustainability" options at OSU-Cascades as those tracks fit well with existing curriculum, faculty teaching and research interests, and demand from prospective students and communities.

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Sincerely,

CC Lach



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Bob Mason College of Science Integrative Biology

RE: Environmental Sciences Program at OSU-Cascades

Dear Bob,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

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Sincerely,

CC McLeod



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Drs. Adam Kent and Julia Jones
College of Earth Ocean and Atmospheric Sciences
Geology and Geography

RE: Environmental Sciences Program at OSU-Cascades

Dear Adam and Julia,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

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This letter serves as liaison about the proposal to include ENSC at OSU-Cascades and the involvement of your departmental courses that are offered at OSU-Cascades. Feel free to contact me if you have questions going forward.

Sincerely,

CC Chuinard; Kirby



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Ricardo Mata-Gonzalez College of Agricultural Sciences Animal and Rangeland Sciences

RE: Environmental Sciences Program at OSU-Cascades

Dear Ricardo,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

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This letter serves as liaison about the proposal to include ENSC at OSU-Cascades and the involvement of your departmental courses that are offered at OSU-Cascades. Feel free to contact me if you have questions going forward.

Sincerely,

CC Diebel



Dr. Ron Reuter

Assoc. Professor of Natural Resources Program Lead Natural Resources

DATE: January 23, 2019

Dr. Kate Lajtha College of Agricultural Sciences Sustainability Double Degree

RE: Environmental Sciences Program at OSU-Cascades

Dear Kate,

OSU-Cascades is proposing to offer the existing OSU Environmental Science (ENSC) undergraduate degree program in Bend. We have worked with the ENSC program leadership and the leadership of College of Earth Ocean and Atmospheric Sciences (CEOAS) to develop the proposal. The process to approve delivering an existing OSU program at a new location >40 miles from current offering requires a Category I curriculum proposal and review by Oregon's Higher Education Coordinating Commission.

OSU-Cascades currently offers over 20 academic programs, including Natural Resources. Our proposed version of ENSC falls under the existing program in CEOAS. The curriculum of ENSC at OSU-Cascades will have oversight by CEOAS. Our campus program lead will run the program as approved by the program lead in Corvallis. We are initially proposing to offer the "Applied Ecology" and "Conservation and Sustainability" options at OSU-Cascades as those tracks fit well with existing curriculum, faculty teaching and research interests, and demand from prospective students and communities.

This letter serves as liaison about the proposal to include ENSC at OSU-Cascades and the involvement of your departmental courses that are offered at OSU-Cascades. Feel free to contact me if you have questions going forward.

Sincerely,

CC Diebel

Subject: Re: Environmental Science Program at OSU-Cascades - Liaison **Date:** Thursday, January 24, 2019 at 9:49:21 AM Pacific Standard Time

From: Kate Lajtha

To: Reuter, Ronald

CC: Diebel, Penelope L, Scheerer, Ann M

Hi Ron,

I spoke with Matt last week about ENSC coming to Cascades, and that is terrific news! Please do use any and all of the SUS classes for the major, and let us know how we can help this new program thrive. Coincidentally, I met with the ENSC advisors here in Corvallis, with Ann Scheerer, and we outlined some plans to make it easier for ENSC students to get a minor or a double major in SUS. A goal is to write a clear 4-year sample program of study that students could use as an example blueprint. When we get that done I'll pass it along - there will certainly need to be some modifications made, but it might be a useful starting point.

Cheers,

Kate

Kate Lajtha Dept. Crop and Soil Sciences ALS 3059 Oregon State University Corvallis, OR 97331

On Jan 24, 2019, at 8:29 AM, Reuter, Ronald < Ron.Reuter@oregonstate.edu> wrote:

<sus.pdf>

OSU Internal Budget Outline Form

Estimated Costs and Sources of Funds for Proposed Program

Total new resources allocated to the Proposed Program, if any.

If no change in resources is required, the budgetary impact should be reported as zero.

PROGRAM TITLE: Bachelor of Science in Environmental Science

BUDGET PERIOD: From FY _____ 20 to FY ____ 23

Business Center CCBO Date 4/9/2018

Terri Libert, Budget Development

Name and Title of Reviewer and Reporting Manager Signature of Reviewer

	Total					
	Fiscal Year 1	Fiscal Year 2	Fiscal Year 3	Fiscal Year 4		
Personnel						
Faculty, Tenured/Tenure-track	-	-	-	-		
Faculty, fixed-term	19,658	19,658	19,658	19,658		
Sub-total, Faculty	19,658	19,658	19,658	19,658		
Graduate Assistants	-	-	-	-		
Support Staff	-	-	-	-		
Fellowship/Scholarship	-	-	-	-		
OPE	1,932	1,990	2,050	2,112		
Personnel Subtotal	21,590	21,648	21,708	21,770		
Other Expenses						
Library, Printed	-	-	-	-		
Library, Electronic	-	-	-	-		
Services & Supplies	810	810	810	810		
Capital Equipment	-	-	-	-		
Other Resources Subtotal	810	810	810	810		
Physical Facilities	-	-	-	-		
Construction	-	-	-	-		
Major Renovation	-	-	-	-		
Other Expenses	-	-	-	-		
Physical Facilities Subtotal	-	-	-	-		
Check math	-	-	-	-		
Total Cost of Program	22,400	22,458	22,518	22,580		
Resources						
Current Budget, unit	-	-	-	-		
Tuition (e campus, differential)	26,392	43,494	67,197	69,213		
Institutional Reallocation from other b	-	-	-	-		
Special State Appropriation	-	-	-	-		
Federal Funds and other Grants	-	-	-	-		
Fees/Sales	-	-				
Foundation Endowment	-	-	-			
Tuition remission (GA support)		-	-			
Other, describe:						
Total Resources	26,392	43,494	67,197	69,213		
check math	26,392	43,494	67,197	69,213		

 ${\it Note: Please include budget narrative describing items listed above}.$

OSU Internal Budget Outline Form

Estimated Costs and Sources of Funds for Proposed Program

Total new resources allocated to the Proposed Program, if any.

If no change in resources is required, the budgetary impact should be reported as zero.

PROGRAM TITLE:	Bachelor of Science in Environmental Science					
BUDGET PERIOD:	From FY	20	to FY	23		
Business Center	ССВО		Date	4/9/2018		
Name and Title of Reviewer Terri Libert, Budget Development and Reporting Manager						

	One-Time				
	Fiscal Year 1	Fiscal Year 2	Fiscal Year 3	Fiscal Year 4	
Personnel					
Faculty, Tenured/Tenure-track	-	-	-	-	
Faculty, fixed-term	19,658	19,658	19,658	19,658	
Sub-total, Faculty	19,658	19,658	19,658	19,658	
Graduate Assistants					
Support Staff					
Fellowship/Scholarship					
OPE	1,932	1,990	2,050	2,112	
Personnel Subtotal	21,590	21,648	21,708	21,770	
Other Expenses					
Library, Printed					
Library, Electronic					
Services & Supplies	810	810	810	810	
Capital Equipment					
Other Resources Subtotal	810	810	810	810	
Physical Facilities					
Construction					
Major Renovation					
Other Expenses					
Physical Facilities Subtotal	-	-	-	-	
Total Cost of Program	22,400	22,458	22,518	22,580	
Resources					
Current Budget, unit					
Tuition (e campus, differential)	26,392	43,494	67,197	69,213	
Institutional Reallocation from other b	udgetary units				
Special State Appropriation					
Federal Funds and other Grants					
Fees/Sales					
Foundation Endowment					
Tuition remission (GA support)					
Other, describe:					
				_	
Total Resources	26,392	43,494	67,197	69,213	

Note: Please include budget narrative describing items listed above.

OSU Internal Budget Outline Form

Estimated Costs and Sources of Funds for Proposed Program

Total new resources allocated to the Proposed Program, if any.

If no change in resources is required, the budgetary impact should be reported as zero.

PROGRAM TITLE:	Bachelor of Science	e in Environme	ental Science		
BUDGET PERIOD:	From FY	20	to FY	23	
Business Center	ССВО		Date	4/9/2018	
Name and Title of Reviewer	Terri Libert, Budget Development and Reporting Manager				

	Recurring					
	Fiscal Year 1	Fiscal Year 2	Fiscal Year 3	Fiscal Year 4		
Personnel						
Faculty, Tenured/Tenure-track						
Faculty, fixed-term						
Sub-total, Faculty	-	-	-	-		
Graduate Assistants						
Support Staff						
Fellowship/Scholarship						
ОРЕ						
Personnel Subtotal	-	-	-	-		
Other Expenses						
Library, Printed						
Library, Electronic						
Services & Supplies						
Capital Equipment						
Other Resources Subtotal	-	-	-	-		
Physical Facilities						
Construction						
Major Renovation						
Other Expenses						
Physical Facilities Subtotal	1	-	1	-		
Total Cost of Program	-	-	-	-		
Resources						
Current Budget, unit						
Tuition (e campus, differential)						
Institutional Reallocation from other b	udgetary units					
Special State Appropriation						
Federal Funds and other Grants						
Fees/Sales						
Foundation Endowment						
Tuition remission (GA support)						
Other, describe:						
Total Resources	-	-	-	-		

Note: Please include budget narrative describing items listed above.