

 FLORIDA ATLANTIC UNIVERSITY	NEW COURSE PROPOSAL Graduate Programs		UGPC Approval _____ UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Environmental Science Program College C.E.S. College of Science <i>(To obtain a course number, contact erudolph@fau.edu)</i>		
Prefix EVS Number 6916	<i>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</i> Lab Code	Type of Course Ind. Study	Course Title DIRECTED INDEPENDENT RESEARCH IN ENVIRONMENTAL SCIENCE
Credits <i>(Review Provost Memorandum)</i> 0-3	Grading <i>(Select One Option)</i> Regular <input checked="" type="radio"/> Sat/UnSat <input type="radio"/>	Course Description <i>(Syllabus must be attached; see Guidelines)</i> The student will work closely with a research mentor to become competent in at least one aspect of graduate-level research and inquiry in Environmental science. This course is typically lab or field-based. The requirements for the course and the criteria for evaluation will be agreed upon by the research mentor and the student.	
Effective Date <i>(TERM & YEAR)</i> Fall 2018	Prerequisites Permission of instructor		Corequisites None
		Registration Controls <i>(Major, College, Level)</i> Environmental Science MS degree, College of Science	
<i>Prerequisites, Corequisites and Registration Controls are enforced for all sections of course</i>			
Minimum qualifications needed to teach course: Member of the FAU graduate faculty and has a terminal degree in the subject area (or a closely related field.)		List textbook information in syllabus or here -NA-	
Faculty Contact/Email/Phone Dale Gawlik, dgawlik@fau.edu, 7-3333		List/Attach comments from departments affected by new course	

Approved by Department Chair _____ College Curriculum Chair _____ College Dean _____ UGPC Chair _____ UGC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____	Date 8-Feb-2018 8-2-18
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Email this form and syllabus to UGPC@fau.edu one week before the UGPC meeting.

GRADUATE COLLEGE

FEB 12 2018

Received



Environmental Science Program
Charles E. Schmidt College of Science
777 Glades Road
Boca Raton, FL 33431
tel: 954.236-1267
fax: 954.236-1099
envirosci@fau.edu
www.fau.edu

Memorandum

To: University Graduate Program Committee
From: Dale Gawlik, Director, Environmental Science Program
Subject: Program changes for Environmental Science and new courses
Date: 9 February 2018

This memo requests approval to (1) create two new courses, (2) change an admission requirement from "Obtain approval from the Environmental Science Program" to "Letter of support from a prospective primary advisor who is a member of the Environmental Science Program faculty", and (3) make six updates to the curriculum structure in order to ensure that courses within each Core area are highly and equally relevant to an Environmental Science education. This updated was needed because new courses were added to each core subject area as the Program matured, thereby increasing disparity in how much courses within a Core addressed the essence of an education in Environmental Science. Some courses were at the heart of a particular Core area whereas others added strength but were more peripheral.

The new structure ensures that courses within each core are equally of high importance to a degree in Environmental Science and that the breadth of Core areas reflects the key subject areas within the discipline. The changes are to:

- a) Change the curriculum structure from requiring one course from 4 of 6 core subject areas to requiring one course from each of 4 core subject areas, with the remainder coming from an Electives category.
- b) Move courses that are not essential to an education in environmental science from a Core to Electives.
- c) Add a new required course Fundamentals of Environmental Research (EVS 6917, 1 credit S/U).
- d) Consider Directed Independent Study (EVS 6905) and Directed Independent Research (EVS 6916) to be equivalent.
- e) Added to the Data Science Core the existing course Statistics for Urban Planning (URP 6211, 3 credits).
- f) Added to Electives the existing courses Plant Ecology (BOT 6159C, 4 credits), Advanced Methods of Environmental Education (SCE 6344, 3 credits), and Perspectives of Environmental Education (SCE 6345, 3 cr)

The Environmental Science Program Committee voted unanimously for the changes described above. Letters of support from affected departments are provided.

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FEB 12 2018

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Subject: Re: Email supporting
From: William Brooks <wbrooks@fau.edu>
Date: 2/2/2018 11:24 AM
To: Dale Gawlik <dgawlik@fau.edu>
CC: David Binninger <binninge@fau.edu>, Rebecca Dixon <rdixon@fau.edu>

Dear Dale,

The Biology Graduate program fully supports the recommended change.

W. Randy Brooks, PhD
Professor of Biology
Chair, FAU Biology Undergraduate & MS Graduate Program Committees
Boca Raton, FL 33431, Phone: 561-297-3888, Email: wbrooks@fau.edu

<http://biology.fau.edu/directory/brooks/index.php>

<http://biology.fau.edu/academics/graduate/ms-programs.php>

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FEB 12 2018

Received _____

From: Dale Gawlik
Sent: Friday, February 2, 2018 11:03 AM
To: William Brooks
Subject: Email supporting

Hi Randy,

The Environmental Science Program Committee voted to add the course Plant Ecology BOT 6159C as an elective in the Env. Sci. MS degree program (see attached proposed catalog changes). As Chair of the Department of Biology Graduate Programs would you reply with an email indicating the department supports this?

Thanks for your consideration.

Dale

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Dr. Dale E. Gawlik, Director  
Environmental Science Program  
Professor of Biological Sciences  
Florida Atlantic University  
777 Glades Road  
Boca Raton, FL 33431-0991  
561.297.3333  
[dgawlik@fau.edu](mailto:dgawlik@fau.edu)  
<http://cescos.fau.edu/gawliklab>  
<http://science.fau.edu/envirosci>

**Subject:** Re: Request to support URP 6211 in Env. Sci. MS degree curriculum  
**From:** Steven Bourassa <sbourassa@fau.edu>  
**Date:** 2/2/2018 11:19 AM  
**To:** Dale Gawlik <dgawlik@fau.edu>  
**CC:** Diana Mitsova <dmitsova@fau.edu>

Yes, that's fine with us.

----- Original message -----

**From:** Dale Gawlik <dgawlik@fau.edu>  
**Date:** 2/2/18 11:16 AM (GMT-05:00)  
**To:** Steven Bourassa <sbourassa@fau.edu>  
**Cc:** Diana Mitsova <dmitsova@fau.edu>  
**Subject:** Request to support URP 6211 in Env. Sci. MS degree curriculum

Hi Steven,

The Environmental Science Program Committee voted to add Statistics for Urban Planning (URP 6211) to one of the five core subject areas for the Environmental Science MS degree; specifically the Data Science core (see attached proposed catalog changes). Students in our degree program are required to take at least one course in each core area.

Would the School of Urban and Regional Planning support this change? An email response to this query would suffice.

Thanks for considering my request.

Dale

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Dr. Dale E. Gawlik, Director
Environmental Science Program
Professor of Biological Sciences
Florida Atlantic University

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Subject: RE: Request to support SCE 6344 and 6345 in Environmental Science MS degree curriculum

From: Barbara Ridener <BRIDENER@fau.edu>

Date: 2/2/2018 11:43 AM

To: Dale Gawlik <dgawlik@fau.edu>

CC: Bryan Nichols <nicholsb@fau.edu>

Hi Dale,

Yes. We would definitely support this.

Thank you,

Barbara

Barbara R. Ridener, Ph.D.

Chair and Associate Professor

Department of Teaching and Learning

Florida Atlantic University

From: Dale Gawlik

Sent: Friday, February 02, 2018 11:42 AM

To: Barbara Ridener <BRIDENER@fau.edu>

Subject: Request to support SCE 6344 and 6345 in Environmental Science MS degree curriculum

Hi Barbara,

The Environmental Science Program Committee voted to add Advanced Methods of Environmental Education (SCE 6344) and Perspectives of Environmental Education (SCE 6345) as electives for the Environmental Science MS degree (see attached proposed catalog changes).

Would the Department of Teaching and Learning support this change? An email response to this query would suffice.

Thanks for considering my request.

Dale

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Dr. Dale E. Gawlik, Director  
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