

 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 6917	<i>(L = Lab Course; C = Combined Lecture/Lab; add if appropriate)</i> Lab Code	Type of Course Lecture	Course Title Fundamentals of Environmental Research	
Credits <i>(Review Provost Memorandum)</i> 1	Grading <i>(Select One Option)</i> Regular <input type="radio"/> Sat/UnSat <input checked="" type="radio"/>	Course Description <i>(Syllabus must be attached; see Guidelines)</i> This weekly seminar will develop students' skills in scientific presentations through lectures and student presentations and provide basic introduction to common practices or requirements for developing, conducting, and reporting of environmental science research programs. <i>(Pending approval, this would become a required course for the Environmental Science MS degree program)</i>		
Effective Date <i>(TERM & YEAR)</i> Spring 2019	Prerequisites None		Corequisites None	Registration Controls <i>(Major, College, Level)</i> Environmental Science MS degree
Prerequisites, Corequisites and Registration Controls are enforced for all sections of course				
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 Brian Benscoter; bbenscot@fau.edu; 954-236-1141		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 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

Syllabus

Instructor & Email: Dr. Brian Benscoter, Brian.Benscoter@fau.edu
Office: Davie West 437
Phone: 954-236-1141 (office & voicemail)
Office Hours: TBD; or by appointment (*due to unexpected circumstances, instructor may not be available at scheduled times*)
Lectures: Tue. 11am-12:20pm, Locations TBD
Course Website: Course information will be available through Canvas

Course Description: This weekly seminar will develop students' skills in scientific presentations through lectures and student presentations and provide basic introduction to common practices or requirements for developing, conducting, and reporting of environmental science research programs.

Course Objectives: Students completing the course should:

1. Gain practical skills in developing and delivering science presentations.
2. Become familiar with common practices in research-focused environmental science fields
3. Gain exposure to current research in the multidisciplinary field of environmental science.

Pre-Requisite: None

Co-Requisite: None

Credits: 1 cr.

Required Reading: None (supplemental readings may be distributed)

Evaluation: The grading system for this course will be S (satisfactory)/U (unsatisfactory). A student who completes each of the obligations of the course at or above a satisfactory level as determined by the instructor will receive a grade of S. Satisfaction of each obligation is defined as follows:

- ❖ *Evaluations of colloquium presentations:* these must demonstrate that you thought carefully and critically about each presentation.
- ❖ *Class discussion participation:* students must attend class meetings and participate regularly in class activities.
- ❖ *Student presentations:* students must give two (2) presentations related to their research; a research poster and associated 5-minute presentation, and a 15-minute conference-style presentation (with Powerpoint slides).

Canvas & Email: Canvas and your official FAU email address will be used throughout the semester to distribute information related to the class and for course-related announcements. It is the student's responsibility to frequently check both accounts; failure to do so may incur penalties.

Class Participation and Attendance: The majority of your evaluation in this course is based on participation. If you do not attend, you cannot participate, which will be reflected in your grade.

Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of non-attendance.

Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical

performances and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

Classroom Etiquette: Please refrain from consuming food or beverages during class, as it may prove disruptive to other members of the class. **All cell phones, pagers, mp3 players, or other electronic devices must be powered off during class.** Disruptive or inappropriate conduct of any kind will not be tolerated. Determination of inappropriate conduct is solely the discretion of the instructor. Any conduct deemed unbecoming of the classroom will be addressed by the instructor and the offending person(s) may be asked to leave. Repeated or extreme inappropriate conduct may result in more serious disciplinary action. Threats, bullying, or similar actions toward students, faculty, or staff during or outside of class will be immediately reported to the University Police Department.

Make-up or Late Assignments: There will be no make-up or late assignments. Grades of "Incomplete" are reserved for students with an otherwise passing grade but have not completed all the required work due to documented exceptional circumstances: Determination of eligibility for a grade of "Incomplete" is solely at the discretion of the instructor and will only be issued for situations with clear cause.

Academic Integrity: The scientific field is largely a self-regulating entity, centered on the integrity of the researcher to honestly and accurately conduct research and report scientific findings. Research institutions, corporations, and professional organizations develop specific codes of ethics to which their members are expected to abide. These ethical standards, both formal and informal, facilitate the scientific process and in most cases alleviate the need for exhaustive and time-consuming measures to maintain the integrity of scientific knowledge in the eyes of fellow scientists as well as the public.

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001.

Any form of academic dishonesty (including, but not limited to, plagiarism, cheating, or theft) will not be tolerated. Any and all students suspected by the instructor of violating the Code of Academic Integrity will be given a grade of zero for the assignment and the matter will be turned over to the University for further action. In cases where plagiarism or other dishonest activities occur among enrolled students, all parties involved will receive a grade of zero regardless of their role. Repeated (>1) violations will result in a failing grade for the course.

Students with Learning Challenges: In compliance with the Americans with Disabilities Act (ADA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) – in Boca Raton, SU 133 (561-297-3880); in Davie, LA 240 (954-236-1222); in Jupiter, SR 110 (561-799-8010); at Treasure Coast, CO 117 (772-873-3441) – and follow all SAS procedures.

Course Schedule

Week	Date	Topic
1	Jan 8	Course Introduction and Procedures
2	Jan 15	Research Ethics & Safety
3	Jan 22	Making Effective Graphics
4	Jan 29	Developing Posters
5	Feb 5	Presentation Slides
6	Feb 12	Giving Good Talks
7	Feb 19	Crafting "Elevator Talks"
8	Feb 26	Student Poster Review Session
9	Mar 5	Spring Break – no class
10	Mar 12	Data Management
11	Mar 19	Literature Searching
12	Mar 26	Student Presentations-TBD
13	Apr 2	Student Presentations-TBD
14	Apr 9	Student Presentations-TBD
15	Apr 16	Student Presentations-TBD

Other Notable Dates:

First day of classes	Jan. 5
Last day to drop/add courses	Jan. 11
Spring Break	Mar. 4-10
Last day for course withdrawal	Apr. 5
Reading Days	Apr. 23-24
Final Exams	Apr. 25-May 1



Environmental Science Program
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envirosoci@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.

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>

GRADUATE COLLEGE

FEB 12 2018

Received

2/2/2018 11:55 AM

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

777 Glades Road

Boca Raton, FL 33431-0991

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<http://cescos.fau.edu/gawliklab>

<http://science.fau.edu/envirosci>

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

Environmental Science Program

Professor of Biological Sciences

Florida Atlantic University

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<http://science.fau.edu/envirosoci>