

 FLORIDA ATLANTIC UNIVERSITY	COURSE CHANGE REQUEST Undergraduate Programs		UUPC Approval <u>1/29/24</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department NA College Honors		
Current Course Prefix and Number EVR 1001		Current Course Title Honors Environmental Science and Sustainability	
<i>Syllabus must be attached for ANY changes to current course details. See Template. Please consult and list departments that may be affected by the changes; attach documentation.</i>			
Change title to: Change prefix From: _____ To: _____ Change course number From: _____ To: _____ Change credits* From: _____ To: _____ Change grading From: _____ To: _____ Change WAC/Gordon Rule status** Add <input type="checkbox"/> Remove <input type="checkbox"/> Change General Education Requirements*** Add <input type="checkbox"/> Remove <input type="checkbox"/> <small>*See Definition of a Credit Hour.</small> <small>**WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to this form. See WAC Guidelines.</small> <small>***GE criteria must be indicated in syllabus and approval attached to this form. See Intellectual Foundations Guidelines.</small>		Change description to: This course is a survey of basic chemical, biological, and physical principles of environmental science and their applications to environmental issues. This course is appropriate for students in a wide range of disciplines or programs. Change prerequisites/minimum grades to: Change corequisites to: Change registration controls to: Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).	
Effective Term/Year for Changes: Summer 2024		Terminate course? Effective Term/Year for Termination:	
Faculty Contact/Email/Phone			
Approved by William O'Brien <small>Digitally signed by William O'Brien DN: cn=William O'Brien, ou=Florida Atlantic University, ou=FAU Honors College, email=wo1@fau.edu, c=US Date: 2024.01.22 14:05:34 -0500</small>		Date _____ _____ <u>1/22/2024</u> <u>1/22/2024</u> <u>1/22/2024</u>	
Department Chair _____ College Curriculum Chair <u>Rachel Conn</u> College Dean <u>Julia E...</u> UUPC Chair <u>Korey Sorge</u> Undergraduate Studies Dean <u>Dan Meeroff</u> UFS President _____ Provost _____		_____ _____ _____ _____ _____ _____	

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.

Honors Environmental Science & Sustainability
EVR 1001 section 02H (CRN 13015)
3 credits, Summer 2024
Location: On-line via the Canvas Learning Platform

Prof. Jon Moore

Office: HC175, Jupiter campus (However, I will be working remotely from home this semester)

Phone: 772-643-6868 (text me and identify yourself in the text or leave a voicemail)

Email: jmoore@fau.edu

Office hours: 12-2 PM MTW. Email me or text the above phone number. We can set up a meeting via phone call or video chat.

Course Description:

This course is a survey of basic chemical, biological, and physical principles of environmental science and their applications to environmental issues. This course is appropriate for students in a wide range of disciplines or programs.

Instructional Method:

This summer the class will be entirely online and lectures offered asynchronously, so you can watch the lectures at any time. Narrated lectures will be "chunked" so the full 190 min class time will not be a single lecture. Lectures will be posted as mp4 files on a YouTube channel, so they are viewable on desktop, laptop, tablet, or phone. The videos are unlisted and unsearchable, so the best way to access them is through the links provided in Canvas. PDF files of the lecture slides will also be posted on Canvas as study aids.

Prerequisites:

None.

Student Learning Outcomes: Students who satisfy the Natural Science Core requirement will be able to:

- Explain important scientific concepts, principles, and paradigms.
- Explain how principles of scientific inquiry and ethical standards are used to develop and investigate research questions.
- Explain the limits of scientific knowledge and of how scientific knowledge changes.
- Critically evaluate scientific claims, arguments, and methodology.

Course Objectives

By the end of the course, students should be able to

1. Students will apply critical thinking to analysis and interpretation of environmental information and model output.
2. Students will apply the scientific method to explain natural experiences and phenomena.
3. Students will explain the basic chemical, biological, and physical principles of environmental science.

4. Students will use empirical evidence to describe the historical and modern context of environmental problems and their solutions.

Honors Statement: Students in this course will develop an in depth understanding of environmental issues. They will develop writing skills through the writing of five papers, and they will develop critical thinking skills.

Disclaimer:

This syllabus is a general plan for the course, however, deviations may be necessary during the semester and will be announced by the instructor

Required Readings:

The textbook for the lecture is Enger & Smith. 2022. Environmental Science: A Study of Interrelationships (16th edition). The bound, loose-leaf, or digital versions are all acceptable. Use of the 15th or 14th edition as a cost-savings measure is also permissible.

Course Evaluation Method:

There will be 6 exams, each covering the 3-4 chapters of material in the previous week. Each exam will be worth 100 points. I will drop the lowest exam score when calculating the final grades. Exams will consist of multiple choice, true false, and fill in the blank questions. The five assignments are worth 50 points each or 250 points total. Final grades will be calculated as the percentage of points earned out of 750 points.

Gradin Scale:

A	B+	B	B-	C+	C	C-	D+	D	D-	F	
93-100	90-92	87-89	83-86	80-82	77-79	73-76	70-72	67-69	63-66	60-62	0-59

Attendance Policy

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.

Policy on Late Work and Incompletes

Assignments must be turned in on time. Extensions may only be given at the instructor's discretion depending on the student's circumstances. If all work is not completed by the end of the semester, an incomplete may be awarded, but if that is not made up within a year of the end of the course, your grade will be based on the material handed in up to that point.

Classroom Etiquette Policy

In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones and pagers, are to be disabled in class sessions.

Course Materials and Classroom Debate Policy

One of the objectives of this course is to facilitate critical thinking and debate around topics, theories, and concepts where disagreement is not only anticipated, but encouraged. The ability to think critically, express your ideas clearly, and respond to the professor and other students civilly are the keystones of the academic experience. In this course, the professor will provide instruction in an objective manner and will remain open to a wide variety of viewpoints, so long as those viewpoints are evidence-based and presented in a respectful way. During class, the professor may take positions and make statements for the sole purpose of accomplishing an academic objective or enhancing the learning environment. Additionally, the adoption of class materials for this course does not imply an endorsement of the full content of those materials or the positions of the authors of those materials. Often the professor will provide materials as a point of departure for critical thinking and debate. Students should keep in mind that the ideas presented or discussed during class may not necessarily reflect the professor's personal beliefs or opinions on the subject matter.

Policy on the Recording of Lectures

Students enrolled in this course may record video or audio of class lectures for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach students about a particular subject. Recording class activities other than class lectures, including but not limited to student presentations (whether individually or as part of a group), class discussion (except when incidental to and incorporated within a class lecture), labs, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the lecturer, is prohibited. Recordings may not be used as a substitute for class participation or class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct and/or the Code of Academic Integrity.

Disability Policy

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses -- Boca Raton, SU 131 (561-297-3880); in Davie, LA 131 (954-236-1222); in Jupiter and all Northern Campuses, SR 111F (561-799-8585). Disability services are available for students on all campuses. For more information, please visit SAS website at www.fau.edu/sas/.

Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students with a range of services - individual counseling, support meetings, and psychiatric services, to name a few - offered to help

improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Code of Academic Integrity

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](#). All students agree to adhere to the university honor code and the Wilkes Honors College Academic Honor Code available at <https://www.fau.edu/honors/academics/honor-code.php>

Plagiarism:

Plagiarism is the unauthorized use of the words or ideas of another, and the misrepresentation of them as your own. Essays, term papers, tests, and other similar requirements must be the work of the student submitting them. When direct quotations are used, they must be indicated and the original author of the quote acknowledged. When the ideas of another are paraphrased and incorporated in the paper, they must be appropriately acknowledged with a scientific citation (for example, see CSE method <https://writing.wisc.edu/handbook/documentation/doccse/nameyear/>). Plagiarism may result in reduced grade, failure of assignment, failure for course, or other actions by the university. Students caught plagiarizing will be given a warning and documentation will be placed on file. Any subsequent misrepresentations of work will result in removal from the program.

Basic Needs Policy

Your safety and wellbeing are more important than anything going on in this class. Please feel free to reach out to me if you need to talk. Any students who face challenges securing their food or housing or personal safety are urged to contact the FAU Dean of Students (<http://www.fau.edu/dean/>) for support. FAU has a food assistance program on the Boca and Jupiter campuses (<http://www.fau.edu/dean/beyond food/index.php>) that can be accessed through contact with the FAU Deans of Students office. Applications for assistance may take a few days to process, so if your need is immediate, a small supply of free food is available to you in a mini-pantry inside the entry of the Jupiter campus Library.

Schedule of lectures

Because this is a summer half-semester course, lecture times are doubled up, amounting to about 6 hours and 20 min per week. We will have a lot of material to cover in a short 6-week term, so do your very best to keep up with readings, lectures, and assignments.

Week	Topic	Readings	Work due
1	Environmental Interrelationships, Environmental Ethics, Risk, Economics, & Environmental Concerns	Ch.1-3	Exam 1 (2-3 Jul) Relationship to Environ (due 5 Jul)
2	Interrelated Scientific Principles Environment & Organisms Ecosystems & Communities Populations	Ch.4-7	Exam 2 (9-10 Jul)
3	Energy & Civilization Nonrenewable Energy Sources Renewable Enerav Sources	Ch.8-10	Exam 3 (16-17 Jul) Energy Audit (due 18 Jul)
4	Biodiversity Issues Land Use Planning Soil & Its Uses Agriculture Methods & Pest Management	Ch.11-14	Exam 4 (23-24 Jul) Virus Spillover (due 25 Jul)
5	Water management Air Quality Issues Solid Waste Management & Disposal	Ch. 15,16,18	Exam 5 (30-31 Jul) Superfund Sites (due 1 Aug)
6	Climate Change Environmental Regulations Environmental Policy & Decision Making	Ch.17,19,20	Exam 6 (4-7 Aug)

Exams will be available the entire Sunday and Monday after the previous week's lectures (exam 6 will be available to take 4-6 Aug). You can take the exam anytime those days, but will only have the 1 hour and 20 minutes period to complete the exam, once you have started. The assignments are due Tuesday of the week following (1st assignment Relationship to the Environment, will be due by Wed 5 Jul).