

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>COURSE CHANGE REQUEST</b> <b>Undergraduate Programs</b>	UUPC Approval <u>1-31-22</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department _____ College _____	
<b>Current Course Prefix and Number</b>		<b>Current Course Title</b>
<i>Syllabus must be attached for ANY changes to current course details. See <a href="#">Template</a>. Please consult and list departments that may be affected by the changes; attach documentation.</i>		
<b>Change title to:</b>  <b>Change prefix</b> From: _____ To: _____ <b>Change course number</b> From: _____ To: _____ <b>Change credits*</b> From: _____ To: _____ <b>Change grading</b> From: _____ To: _____ <b>Change WAC/Gordon Rule status**</b> Add _____ Remove _____ <b>Change General Education Requirements***</b> Add _____ Remove _____ <small>*Review <a href="#">Provost Memorandum</a></small> <small>**WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to this form. See <a href="#">WAC Guidelines</a>.</small> <small>***General Education criteria must be indicated in syllabus and approval attached to this form. See <a href="#">GE Guidelines</a>.</small>		<b>Change description to:</b>          <b>Change prerequisites/minimum grades to:</b>          <b>Change corequisites to:</b>          <b>Change registration controls to:</b>          Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).
<b>Effective Term/Year for Changes:</b>		<b>Terminate course? Effective Term/Year for Termination:</b>
<b>Faculty Contact/Email/Phone</b>		
<b>Approved by</b> Department Chair <u>Monica Escaleras</u> College Curriculum Chair <u>Ethlyn Williams</u> College Dean <u>Paul Hsu</u> UUPC Chair <u>Ethlyn Williams</u> Undergraduate Studies Dean <u>Daniel Meeroff</u> UFS President _____ Provost _____		<b>Date</b> <u>12/21/2021</u> <u>1/19/2022</u> <u>1/31/2022</u> <u>1-31-22</u> <u>1-31-22</u> _____ _____

Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the UUPC meeting.



**ECP 4302 001**

**CRN: 24475**

**Environmental Economics**

**Spring 2021 Term**

**BU 410 / Boca Raton**

**11:00 AM to 1:50 AM Mondays**

**Professor Information**

William Bosshardt  
KH 152  
wbosshar@fau.edu  
561-297-2908

**Office Hours**

M 3:00 – 5:00  
T W R 9:00 – 10:00

I am here usually every day, so stop by if you see my door open.

**Required Text and Materials**

Environmental Economics, 7e, Field and Field, 2017

**Course Description**

The environment is one of our most important resources. However, pollution and climate change threaten the environment. Economic concepts such as externalities and public goods problems help explain why this occurs. This course explores whether market-based incentive systems such as emissions taxes and cap and trade systems can effectively reduce pollution. Issues covered include climate change, air pollution, water pollution, and solid waste disposal. Students can apply the knowledge learned in this course to better negotiate the evolving green economy.

**Course Prerequisites and Credit Hours**

ECO 2023, or equivalent. 3 credit hours.

**Class Time Commitments**

“According to Florida State Statute 6A-10.033, students must spend a minimum 2,250 minutes of in class time during a 3-credit course. Additionally, students enrolled in a 3-credit course are expected to spend a minimum of 4,500 minutes of out-of-class-time specifically working on course-related activities (i.e., reading assigned pieces, completing homework, preparing for

exams and other assessments, reviewing class notes, etc.) and fulfilling any other class activities or duties as required.” The course schedule for this course reflects this expectation of students.

## Course Learning Objectives

Students will understand:

- Why markets that ignore externalities are inefficient.
- How to measure the costs and benefits of environmental protection.
- Why policies that are incentive based are better than command and control strategies.
- How current efforts to control air and water pollution are being implemented.

## Grading Scale

The scale below is tentative and may vary. After each test, a final scale will be provided.

Tests	200 points
Final	100 points
Homework	100 points
Presentation	75 points
Attendance	25 points
	<b>500 points</b>

	Test 1	Test 2	HW	Presentation	Attend	Final	Target
Max	100	100	100	75	25	100	500
a	85	85	90	64	24	85	433
a-	81	81	84	61	23	81	411
b+	77	77	80	58	22	77	391
b	73	73	76	55	21	73	371
b-	69	69	72	52	20	69	351
c+	65	65	68	49	19	65	331
c	60	60	64	45	18	60	307
c-	55	55	60	41	17	55	283
d+	50	50	56	38	16	50	260
d	46	46	52	35	16	46	241
d-	42	42	48	32	16	42	222
f	0	0	0	0	0	0	0

## **Course Evaluation Method**

Tests: Two tests will be given during the semester. They will be short answer tests.

Final: The final is cumulative, but will emphasize material covered since the last test.

Presentation: Students will do a group presentation on an environmental topic at the end of the semester.

Homework: Will be assigned throughout the semester.

Attendance: Attendance will be taken at the beginning of each class. 2 points per class with a maximum of 25 points.

## **Additional Course Policies**

### **Missing Exams**

Exams and/or assignments may be made-up for any legitimate reason (serious illness, family emergency in immediate family), but (1) I will require an excuse written by a doctor or other appropriate person confirming the reason for missing the class, and (2) you must let me know by calling me prior to the exam/assignment. All work must be made up as soon as possible and no later than one week after the due date. Failure to call or verify any excuse will result in deduction of some or all points for the exam/assignment.

### **Late Assignments**

Late assignments are not routinely accepted; assignment accepted late will be penalized.

### **Attendance Policy**

Attendance will be taken at the beginning of each class (14 classes). 2 points per class with a maximum of 25 points.

## **Course Outline**

Day	Chapter	Title	Topics / Tests
Jan 8	1 2	What is Environmental Economics? The Environment and the Economy	Types of Pollutants
Jan 22	3	Benefits and Costs, Supply & Demand	Demand: Benefits of a Good Supply: Costs of a Good
Jan 29	4	Markets, Externalities, Public Goods	External Costs Social efficiency
Feb 5	5	Economics of Environmental Quality	Efficient Quantity of Pollution
Feb 12		Test 1 Intro to Benefits / Costs	Present Value

Feb 19	7	B-C Analysis: Benefits	Damages, WTP
Feb 26	8	B-C Analysis: Costs Putting Them Together	Measuring Costs PV and Risk
Mar 12	11 12	Command and Control Incentive-Based: Emissions Charges	Why inefficient Taxes
Mar 19	13	Incentive-Based: Market Trading Property Rights and Distribution	Cap and Trade
Mar 26	15	Federal Air Pollution Policy Review	SO2 Trading
Apr 2		Test 2 Hint about presentations	
Apr 9	14	Fracking Presentation Everglades Presentation Federal Water Policy	
Apr 16		Recycling Presentation Climate Change Presentation Economics of Solid Waste	
Apr 23	18	Global Environmental Issues Review	
Apr 30		Final	

### **Selected University and College Policies**

#### **Code of Academic Integrity Policy Statement**

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, please see FAU Regulation 4.001 at: [FAU Regulation 4.001](#).

#### **Disability / Accessibility Policy Statement**

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)—in Boca Raton, SU 133 (561-297-3880); in Davie, LA 131 (954-236-1222); or in Jupiter, SR 110 (561-799-8585) —and follow all SAS procedures. Their web site is: <https://fau.edu/sas>.

### **Religious Accommodation Policy Statement**

In accordance with rules of the Florida Board of Education and Florida law, students have the right to reasonable accommodations from the University in order to observe religious practices, observances, and beliefs with regard to admissions, registration, class attendance and the scheduling of examinations and work assignments.

For further information, please see FAU Regulation 2.007 at: [FAU Regulation 2.007](#).

### **University Approved Absence Policy Statement**

In accordance with rules of the Florida Atlantic University, students have the right to reasonable accommodations to participate in University approved activities, including athletic or scholastics teams, musical and theatrical performances and debate activities. It is the student's responsibility to notify the course instructor at least one week prior to missing any course assignment.

### **College of Business Minimum Grade Policy Statement**

The minimum grade for College of Business requirements is a "C". This includes all courses that are a part of the pre-business foundation, business core, and major program. In addition, courses that are used to satisfy the university's "Writing Across the Curriculum" and Gordon Rule math requirements also have a minimum grade requirement of a "C". Course syllabi give individualized information about grading as it pertains to the individual classes.

### **Incomplete Grade Policy Statement**

A student who is passing a course, but has not completed all work due to exceptional circumstances, may, with consent of the instructor, temporarily receive a grade of incomplete ("I"). The assignment of the "I" grade is at the discretion of the instructor, but is allowed only if the student is passing the course.

The specific time required to make up an incomplete grade is at the discretion of the instructor. However, the College of Business policy on the resolution of incomplete grades requires that all work required to satisfy an incomplete ("I") grade must be completed within a period of time not exceeding one calendar year from the assignment of the incomplete grade. After one calendar year, the incomplete grade automatically becomes a failing ("F") grade.

### **Withdrawals**

Any student who decides to drop is responsible for completing the proper process required to withdraw from the course.

### **Grade Appeal Process**

A student may request a review of the final course grade when s/he believes that one of the following conditions apply:

- There was a computational or recording error in the grading.
- Non-academic criteria were applied in the grading process.
- There was a gross violation of the instructor's own grading system.

The procedures for a grade appeal may be found in Chapter 4 of the University Regulations.

### **Disruptive Behavior Policy Statement**

Disruptive behavior is defined in the FAU Student Code of Conduct as “... *activities which interfere with the educational mission within classroom.*” Students who behave in the classroom such that the educational experiences of other students and/or the instructor’s course objectives are disrupted are subject to disciplinary action. Such behavior impedes students’ ability to learn or an instructor’s ability to teach. Disruptive behavior may include, but is not limited to: non-approved use of electronic devices (including cellular telephones); cursing or shouting at others in such a way as to be disruptive; or, other violations of an instructor’s expectations for classroom conduct.

### **Faculty Rights and Responsibilities**

Florida Atlantic University respects the right of instructors to teach and students to learn. Maintenance of these rights requires classroom conditions which do not impede their exercise. To ensure these rights, faculty members have the prerogative:

- To establish and implement academic standards
- To establish and enforce reasonable behavior standards in each class
- To refer disciplinary action to those students whose behavior may be judged to be disruptive under the Student Code of Conduct.