

Cover Sheet: Request 12660

MET 4XXX Managing for a Changing Climate

Info

Process	Course New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Esther Mullens emullens@ufl.edu
Created	5/2/2018 5:46:03 PM
Updated	1/12/2019 4:52:57 PM
Description of request	This course is an interdisciplinary survey of the science of climate variability and change, and the impacts of c climate change on multiple sectors, including society, economy, policy, ecosystems, and indigenous populations.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Geography 011609000	Jane Southworth		8/27/2018
No document changes					
College	Conditionall Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane	The College Curriculum Committee conditionally approves this request, with the following: 1) change weekly contact hours to 3; 2) use catalog style for course description (eliminating "this course will introduce" and "in addition to discussing"); 3) needs full set of links and policies (per syllabus.ufl.edu)	10/14/2018
No document changes					
Department	Approved	CLAS - Geography 011609000	Jane Southworth		1/4/2019
No document changes					
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		1/12/2019
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			1/12/2019
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					

Step	Status	Group	User	Comment	Updated
No document changes					
College Notified					
No document changes					

Course|New for request 12660

Info

Request: MET 4XXX Managing for a Changing Climate

Description of request: This course is an interdisciplinary survey of the science of climate variability and change, and the impacts of climate change on multiple sectors, including society, economy, policy, ecosystems, and indigenous populations.

Submitter: Esther Mullens emullens@ufl.edu

Created: 1/4/2019 10:17:12 AM

Form version: 7

Responses

Recommended Prefix MET

Course Level 4

Number XXX

Category of Instruction Advanced

Lab Code None

Course Title Managing for a Changing Climate

Transcript Title Managing for Climate

Degree Type Baccalaureate

Delivery Method(s) Online, On-Campus

Co-Listing No

Co-Listing Explanation n/a

Effective Term Spring

Effective Year 2019

Rotating Topic? No

Repeatable Credit? No

Amount of Credit 3

S/U Only? No

Contact Type Regularly Scheduled

Weekly Contact Hours 1.5

Course Description This course is an interdisciplinary survey of climate variability and change. Topics include the physical science basis for climate change, followed by sectoral analysis of climate impacts, adaptation, and mitigation options. Active learning, discussions, and roleplaying facilitate understanding of critical issues facing the human and natural world.

Prerequisites GEO 2242 or MET 1010

Co-requisites none

Rationale and Placement in Curriculum This course will equip students with a deeper understanding of climate science and impacts. It is a new course affiliated with the Department of Geography, and forms one of several proposed new courses that will grow the department's weather and climate course list toward an eventual minor and major in meteorology.

Course Objectives This course will primarily be disseminated online, with 1.5 hours a week of class time in order to facilitate deeper learning through discussion and activities. By the end of the course, Students should be able to describe the basic science of anthropogenic climate change and its causes. They should understand the difference between natural climate variability and climate change. They will be able to articulate how climate is monitored observationally, and how a global climate models works. They will be able to describe regional climate impacts across the United States on sectors such as infrastructure, culture and wildlife and current and emerging adaptation strategies. They should be able to critically evaluate climate change information and dispel common misconceptions surrounding climate change science. Finally, students will critically evaluate international climate policy through assignments and a roleplaying activity.

Course Textbook(s) and/or Other Assigned Reading There is no required text. All videos, assignment details, and additional information will be available via embedded youtube links available through Canvas.

Weekly Schedule of Topics Students will be expected to watch 2-6 videos as directed by the instructor per week, read assigned material, and answer discussion-based questions on Canvas as facilitated by the instructor. Once per week, students will meet for a 1.5 hour session where the instructor will connect course concepts with management decisions, and students will participate in active learning, to include discussions, peer-review and a group project.

Topics covered may include:

Week 1: Course overview

Week 2: Energy in the climate system, climate and carbon.

Week 3: climate variability

Week 4: Climate modeling - global and regional

Week 5: Climate observations and climate projections

Week 6: Impacts of climate change

Week 7: Policy and economics

Week 8/9: Climate vulnerability

Week 10: Decision-making for climate impacts

Week 11: Impacts to coasts and wildlife

Week 12: Impacts to ecology

Week 13: Impacts to human health and security

Week 14: Adaptation to climate change

Week 15/16: Group projects & activities to summarize material learned.

Links and Policies

Attendance

Class attendance is mandatory. Each unexcused absence will result in a 10 point reduction in the final grade. Excused absences are consistent with university policies in the undergraduate catalog (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>) and require appropriate documentation.

Students who can demonstrate that they were unable to submit an assignment by the deadline due to an excused absence and who can provide appropriate documentation for the absence will be given a reasonable period of time to make up the late work.

Accommodations

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Course Evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

Expectations of you

Students are expected to arrive to class on time and behave in a manner that is respectful to the instructor and to fellow students. Please avoid the use of cell phones and restrict eating to outside of the classroom. Opinions held by other students should be respected in discussion, and conversations that do not contribute to the discussion should be held at minimum, if at all.

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

The Honor Code (<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor.

Counseling and Wellness

Contact information for the Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/Default.aspx>, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.

Writing Assistance

The writing studio is committed to helping University of Florida students meet their academic and professional goals by becoming better writers. Visit the writing studio online at <http://writing.ufl.edu/writing-studio/> or in 302 Tigert Hall for one-on-one consultations and workshops.

Grading Scheme The final grade will be calculated based on the following anticipated weights. However, the course instructor reserves the right to alter these weights prior to the start of the class. Weights posted to the final syllabus will be final.

Individual Writing Assignments 35%

Online Assignments 15%

In-Class Participation 10% Online Discussion Participation 10%

Semester Project 30%

Percentages necessary to earn a given final grade will be no higher than the following (i.e., a curve may be applied at the end of the semester to raise grades, but not to lower them):

A > 90%

B+ 87-90%

B 83-87%

B- 80-83%

C+ 77-80%

C 73-77%

C- 70-73%

D+ 67-70%

D 63-67%

D- 60-63%

F < 60%

Instructor(s) Dr Esther D. Mullens, Assistant Professor in Geography, University of Florida.