

COURSE IMPLEMENTATION DATE: January 2008
COURSE REVISED IMPLEMENTATION DATE:
COURSE TO BE REVIEWED: February 2012
(Four years after UPAC final approval date) (MONTH YEAR)

OFFICIAL COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
Shaded headings are subject to change at the discretion of the department and the material will vary - see course syllabus available from instructor

FACULTY/DEPARTMENT: GEOG 308	Geography	4
COURSE NAME/NUMBER	FORMER COURSE NUMBER Climate Change and Variability	UCFV CREDITS
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This course investigates the causes and characteristics of regional and global climate change and variability. The significance of understanding past climates and their reconstruction are addressed. Environmental and socio-economic impacts of climate change, policy responses to climate change, and mitigation and adaptation strategies are examined.

Note: Students cannot receive credit for both GEOG 308 and 401.

PREREQUISITES: GEOG 201
COREQUISITES: None

SYNONYMOUS COURSE(S)	SERVICE COURSE TO:
(a) Replaces: _____ (Course #)	_____
(b) Cannot take: GEOG 401 for further credit. (Course #)	_____
	(Department/Program)
	(Department/Program)

TOTAL HOURS PER TERM: 75	TRAINING DAY-BASED INSTRUCTION
STRUCTURE OF HOURS:	LENGTH OF COURSE: _____
Lectures: 45 Hrs	HOURS PER DAY: _____
Seminar: _____ Hrs	
Laboratory: 30 Hrs	
Field Experience: _____ Hrs	
Student Directed Learning: _____ Hrs	
Other (Specify): _____ Hrs	

MAXIMUM ENROLLMENT:	25
EXPECTED FREQUENCY OF COURSE OFFERINGS:	Once every other year
WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

AUTHORIZATION SIGNATURES:

Course Designer(s): _____ Steven Marsh	Chairperson: _____ Moira Klosser
Department Head: _____ Dr. Ken Brealey	Dean: _____ Dr. Eric Davis
UPAC Approval in Principle Date: _____	UPAC Final Approval Date: Feb. 1, 2008

LEARNING OBJECTIVES / GOALS / OUTCOMES / LEARNING OUTCOMES:

Upon successful completion of the course the student will be able to:

1. demonstrate an advanced understanding of the global climate system.
2. critically analyze both the scientific evidence and the scientific uncertainties associated with global climate change.
3. describe the potential impacts of global climate change and possible responses to them
4. navigate the contentious politics surrounding the debate over global climate change

METHODS:

The format of the course typically includes lectures, assigned readings, class assignments, discussion groups, oral presentations, field trips, and guest speakers.

PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Credit can be awarded for this course through PLAR (Please check:) Yes No

METHODS OF OBTAINING PLAR:

Exams and/or portfolio evaluation.

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Houghton, John, 2004. Global Warming: The Complete Briefing. Cambridge University Press.

Hartmann, Dennis, 1994. Global Physical Climatology. Academic Press: San Diego.

Harvey, L.D.D., 2000. Climate and Global Environmental Change. Prentice-Hall: Toronto.

SUPPLIES / MATERIALS:

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Assignments, presentations, reports	40-60%
Exams	40-60%

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Climate change versus climate variability
Role of teleconnections
Past climates and their reconstruction
Global warming and feedback mechanisms
Evidence for anthropogenic input
The climate debate and politics of climate change
Impacts of a changing climate
Potential to mitigate and/or adapt to changing climate