

COURSE SYLLABUS

Course Title:	Special Topics: Climate Change - Challenges and Controversies	Date submitted:	(07-106)	
Department:	Science			
Curriculum:	Liberal Arts			
Course Descriptors: Make certain that the course descriptors are consistent with college and Board of Trustees policies, and the current course numbering system.	Course Code: (eg. ACC 101)	EAS*298		
	Course Type:	L		
	A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: M: Seminar Internship P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/ Clinical/Lab Z: Combined Lecture/Studio			
	Elective Type:	S		
	E: English FA: Fine Arts HI: History HU: Humanities LA: Liberal Arts FL: Foreign Language M: Math S: Science SS: Social Science G: General			
	Credit Hours:	3		
	Developmental: (yes/no)	N		
	Contact Hours:	Lecture:	3	
		Clinical:	0	
		Lab:	0	
		Studio:	0	
		Other:	0	
	TOTAL:	3		
	Class Maximum:	35		
	Semesters Offered:	Spring		
Prerequisites:	C- or better in Academic Reading AND Writing: Introduction to Composition, or placement into Composition			
Corequisites:	None			
Other Requirements:	None			
Ability Based Education (ABE) Statement	At Tunxis Community College students are assessed on the knowledge and skills they have learned. The faculty identified the General Education Abilities critical to students' success in their professional and personal lives. In every class, students are assessed on course abilities, sometimes program abilities, and, in most classes, at least one General Education Ability. Students will receive an evaluation of the degree to which they have demonstrated or not demonstrated that General Education Ability.			
Catalog Course Description:	An introduction to Earth's climate, climate change, and the interactions between climate, society, and the global environment. Topics explored are climate classifications, global warming, the greenhouse effect, ozone depletion, regional drought, and cataclysmic climate change. Man-made climate change is discussed with natural variability, and potential human responses to climate change are debated. Prerequisites: C- or better in Academic Reading AND Writing: Introduction to Composition, or placement into Composition.			
Topical Outline: <small>List course content in outline format.</small>	1. Introduction and Overview 2. Primary Current Energy Sources			

	<ol style="list-style-type: none"> 3. History of Climate Science 4. Social Context of Scientific Knowledge 5. Monitoring and Modeling: Ongoing Evidence 6. A “Southern” Perspective on Climate Change 7. State of Play in Evolving Debates 8. Environmental Impact of Climate Change 9. Pace and Scope of Climate Change 10. New England Impacts and the Warming of Connecticut 11. Social Impact of Climate Change 12. Climate Change in the Media 13. Policy Alternatives/Institutional and Civil Society Initiatives 14. Summation: Solutions and where can we go from here?
<p>Outcomes: Describe measurable skills or knowledge that students should be able to demonstrate as evidence that they have mastered the course content.</p>	<p>Upon successful completion of this course, the student will be able to do the following:</p> <ol style="list-style-type: none"> 1. Describe and explain the origins and development of climate science 2. Summarize and evaluate the arguments that climate change is a) a natural cycle and b) attributable to human action 3. Identify and describe the principal alternatives to fossil fuels as a source of energy 4. Explain the relationship between climate, environment and eco-system 5. Identify and describe the potential economic effects of climate change upon developed and developing nations 6. Explain how changes in the earth’s climate could affect the growth and movement of human populations <p>PROGRAM: <i>(Numbering reflects Program Outcomes as they appear in the college catalog)</i></p> <p>N/A</p> <p>GENERAL EDUCATION: <i>(Numbering reflects General Education Outcomes as they appear in the college catalog.)</i></p>
<p>Evaluation: List how the above outcomes will be assessed.</p>	<p>Assessment will be based on the following criteria:</p> <p>Examinations Quizzes Readings as assigned Term paper or project Final Exam</p>

<p>Instructional Resources:</p> <p>List library (e.g. books, journals, on-line resources), technological (e.g. Smartboard, software), and other resources (e.g. equipment, supplies, facilities) required and desired to teach this course.</p>	<p>Required:</p> <p>Desired:</p>
<p>Textbook(s)</p>	<p>Ruddiman, William F., <u>Earth's Climate, Past and Future</u> W.H. Freeman (2008) or alternate Handouts</p>