

COURSE SYLLABUS

Course Title:	Environmental Science		Date submitted:	Oct 2017 (17-60)
Department:	Science			
Curriculum:	Science			
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)	EVS*100	Prerequisites:	
	Course Type:	D/L	None	
	A: Clinical B: Lab D: Distance Learning I: Individual/Independent L: Lecture N: Internship M: Seminar P: Practicum U: Studio X: Combined Lecture/Lab Y: Combined Lecture/ Clinical/Lab Z: Combined Lecture/Studio			
	Elective Type:	G/LAS/S	Corequisites:	
	AH: Art History E: English FA: Fine Arts G: General HI: History HU: Humanities LA: Liberal Arts FL: Foreign Language M: Math S: Science SS: Social Science		None	
	Credit Hours:	3		
	Developmental: (yes/no)	no		
	Lecture:	3		
	Clinical:	0		
	Lab:	0		
Contact Hours:	Studio	0	Other Requirements:	
Other:	0	None		
TOTAL:	3			
Class Maximum:	35			
Semesters Offered:	F/Sp			
Catalog Course Description:	An introduction to the problems of physical resources management and aspects of ecological concern in our natural environment, with emphasis on our demand for energy, the consumption of our natural resources, resource pollution, and waste management. Alternative sources of energy are explored.			
Topical Outline: List course content in outline format.	<ol style="list-style-type: none"> 1. Environmental Science and Sustainability 2. Earth's Physical Systems 3. Evolution and Biodiversity; Species Interactions 4. Ecosystem Ecology 5. Human Population 6. Soil and Agriculture; Biotechnology 7. Forests and Forest Management 8. The Urban Environment 9. Freshwater Systems and Resources 10. Air Quality and Pollution 11. Global Climate Change 12. Fossil Fuels 			

	13. Conventional and Renewable Energy Alternatives 14. Waste Management; Minerals and Mining
<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>PROGRAM: <i>(Numbering reflects Program Outcomes as they appear in the college catalog)</i> N/A</p> <p>GENERAL EDUCATION: <i>(Numbering reflects General Education Outcomes as they appear in the college catalog)</i></p> <p>8. Scientific Knowledge - Students will gain a broad base of scientific knowledge and methodologies in the natural sciences. This will enable them to develop scientific literacy, the knowledge and understanding of scientific concepts and processes essential for personal decision making and understanding scientific issues.</p> <p>Demonstrates: Consistently recalls and correctly applies discipline-specific terms, relevant theories, laws, and concepts to analyze and explain scientific information.</p> <p>Does Not Demonstrate: Inconsistently recalls or incorrectly applies discipline-specific terms, relevant theories, laws, and concepts to analyze or explain scientific information.</p>
<p>Evaluation: List how the above outcomes will be assessed.</p>	<p>Assessment will be based on the following criteria:</p> <ol style="list-style-type: none"> 1. Tests and quizzes 2. Homework assignments and group projects
<p>Instructional Resources: 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: Instructor computer and projector, access to internet</p> <p>Desired:</p>
<p>Textbook(s)</p>	<p>Textbook: <i>Withgott and Laposata, current edition, Environment: The Science Behind the Stories; Pearson</i></p>