

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER:	ESC 1000
COURSE TITLE:	Earth and Space Science
PREREQUISITE(S):	None
COREQUISITE(S):	None
CREDIT HOURS:	3
CONTACT HOURS/WEEK:	3
CONTACT HOUR BREAKDOWN:	
Lecture/Discussion:	3
Laboratory:	
Other _____:	
FACULTY WORKLOAD POINTS:	3
STANDARDIZED CLASS SIZE ALLOCATION:	36

CATALOG COURSE DESCRIPTION:

This course acquaints students with the development of science, the integrating principles and theories in the earth sciences, the practice of the scientific method and with a useful knowledge of selected areas of geology, astronomy and meteorology. Presentation involves lectures, demonstrations and films. The course is for general education and is not designed essentially as an introductory or preparatory course for any of the specific sciences.

SUGGESTED TEXT(S):	Tarback and Lutgens. <u>Earth Science</u> . Prentice Hall, Latest Edition.
	<u>Foundations of Earth Science with Geode II CD Rom</u> , Lutgens & Tarback, Latest Edition, Prentice Hall
IMPLEMENTATION DATE:	November 14, 1987
REVIEW OR MODIFICATION DATE:	Fall Term, 2002 (20031) Fall Term, 2006 (20071) Fall Term, 2007 (20081) (was GLY 1001) Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Geology A. Introduction B. Rocks and Minerals C. Weathering, Soils and Mass Wasting D. Water 1. Running 2. Ground E. Glaciers, Deserts and Wind F. Earthquakes and the Internal Structure of the Earth G. Plate Tectonics H. Igneous Activity I. Mountain Building J. Geologic Time and Earth History	14
II. Meteorology A. Composition, Structure and Temperature of the Atmosphere B. Moisture in the Atmosphere C. Pressure and Wind D. Weather Patterns and Severe Storms	13
III. Astronomy A. The Earth as a Planet B. The Solar System C. Planets, Asteroids, Comets and Meteors D. Beyond the Solar System	9
IV. Oceanography Ocean floor and seawater Ocean dynamics	9

SECTION 7 MUST BE COMPLETED FOR ALL GENERAL EDUCATION COURSES ONLY (exclude AA electives)

Section 7	KNOWLEDGE	<i>Primary</i>	<i>Secondary</i>	<i>N/A</i>	VALUE	<i>Primary</i>	<i>Secondary</i>	<i>N/A</i>
A.	Global and Historical Knowledge & Understanding				Intellectual honesty	X	<input type="checkbox"/>	<input type="checkbox"/>
	• Comprehends a general knowledge of the nature, origins and contributions of major civilizations	<input type="checkbox"/>	X	<input type="checkbox"/>	Curiosity and openness to new ideas	X	<input type="checkbox"/>	<input type="checkbox"/>
	• Comprehends the workings and interrelations of personal, business and government economies	<input type="checkbox"/>	<input type="checkbox"/>	X	Recognition of one's own creative potential	<input type="checkbox"/>	X	<input type="checkbox"/>
	• Comprehends political, social and economic systems and their effects upon society	<input type="checkbox"/>	X	<input type="checkbox"/>	Acceptance of and respect for differences among people and cultures	X	<input type="checkbox"/>	<input type="checkbox"/>
B.	Cultural and Aesthetic Knowledge and Understanding							
	• Comprehends the contributions of the arts and humanities to the human experience on a personal, national or global level	<input type="checkbox"/>	<input type="checkbox"/>	X	Civic Engagement	X	<input type="checkbox"/>	<input type="checkbox"/>
	• Comprehends the historical development of the arts and sciences	<input type="checkbox"/>	X	<input type="checkbox"/>	Lifelong Learning	X	<input type="checkbox"/>	<input type="checkbox"/>
	• Comprehends religious and cultural systems and their effects upon society	<input type="checkbox"/>	X	<input type="checkbox"/>				
C.	Human Awareness and Understanding							
	• Comprehends the dynamics of human behavior and the process of increasing self-awareness, growth and development	<input type="checkbox"/>	X	<input type="checkbox"/>				
	• Comprehends the stages of human development and the dynamics of human relationships in diverse cultures	<input type="checkbox"/>	X	<input type="checkbox"/>				
	• Comprehends the factors that promote physical, mental and social well-being	<input type="checkbox"/>	X	<input type="checkbox"/>				
D.	Mathematics, Science and Technology							
	• Comprehends the basic concepts and investigative processes of the natural sciences	X	<input type="checkbox"/>	<input type="checkbox"/>				
	• Comprehends the breadth, significance and development of the mathematical sciences	<input type="checkbox"/>	X	<input type="checkbox"/>				
	• Comprehends the ways science and technology have shaped and continue to reshape human cultures and the environment	X	<input type="checkbox"/>	<input type="checkbox"/>				

Section 8
Name of Person Completing This Form: <u>Patty Crews</u> Date: <u>12/10/2004</u>