

FLORIDA STATE COLLEGE AT JACKSONVILLE

COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: ESC 1000L

COURSE TITLE: Earth and Space Science Lab

PREREQUISITE(S): ESC 1000 (or corequisite)

COREQUISITE(S): ESC 1000 (or prerequisite)

CREDIT HOURS: 1

CONTACT HOURS/WEEK: 2

CONTACT HOUR BREAKDOWN:

Lecture/Discussion:

Laboratory: 2

Other _____:

FACULTY WORKLOAD POINTS: 1.40

STANDARDIZED CLASS SIZE
ALLOCATION: 22

CATALOG COURSE DESCRIPTION:

This is a lab course designed to supplement GLY 1001. Students will learn to identify rocks and minerals, interpret geologic maps and explore the concepts of oceanography, earth dynamics and astronomy.

SUGGESTED TEXT(S): Applications & Investigations in Earth Science, Tarbuck, Lutgens, Pinzke, Prentice-Hall

Earth Science Laboratory Manual, Ula Moody, Pearson Publishing

IMPLEMENTATION DATE: Fall Term, 1992 (921)

REVIEW OR MODIFICATION DATE: Fall Term, 2003 (20041)
Fall Term, 2006 (20071)
Fall Term, 2007 (20081) (was GLY 1001L)
Fall Term, 2008 (20091) - Outline Review 2007

COURSE TOPICS

CONTACT HOURS
PER TOPIC

I. Minerals	4
II. Igneous Rocks	2
III. Sedimentary Rocks	2
IV. Metamorphic Rocks	2
V. Maps and Geologic Structures	4
VI. Rivers and Glaciers - Surface Processes	2
VII. Geologic Time	2
VIII. Atmosphere	2
IX. Oceanography	2
X. Astronomy	2
XI. Other topics as determined by the instructor.	6
TOTAL	30



NOTE: Use either the Tab key or mouse click to move from field to field. The box will expand to accommodate your entry.

Section 1	
COURSE PREFIX AND NUMBER: <u>ESC 1000L</u>	SEMESTER CREDIT HOURS: <u>1</u>
COURSE TITLE: <u>Earth and Space Science Lab</u>	

Section 2

TYPE OF COURSE: (Click on the box to check all that apply)

<input type="checkbox"/> AA Elective	<input type="checkbox"/> AS Required Professional Course	<input type="checkbox"/> College Prep
<input type="checkbox"/> AS Professional Elective	<input type="checkbox"/> AAS Required Professional Course	<input type="checkbox"/> Technical Certificate
<input type="checkbox"/> Other _____		

X General Education: (For General Education courses, you must also complete Section 3 and Section 7)

Section 3 (If applicable)

INDICATE BELOW THE DISCIPLINE AREA FOR GENERAL EDUCATION COURSES:

<input type="checkbox"/> Communications	<input type="checkbox"/> Social & Behavioral Sciences	<input type="checkbox"/> Mathematics
X Natural Sciences	<input type="checkbox"/> Humanities	

Section 4

INTELLECTUAL COMPETENCIES:

X Reading	X Speaking	X Critical Analysis	X Quantitative Skills	X Scientific Method of Inquiry
X Writing	X Listening	X Information Literacy	X Ethical Judgment	X Working Collaboratively

Section 5		
LEARNING OUTCOMES		METHOD OF ASSESSMENT
•	Explain and apply major concepts in earth and space science including identification of rocks and minerals, interpretation of geologic maps, concepts in oceanography, earth dynamics and astronomy.	Written tests, reports and/or use of equipment to demonstrate student competency in field.
•	Demonstrate knowledge of scientific method.	Formulate problem, make observations, derive and test hypothesis and make conclusions.
•	Communicate scientific ideas through oral and written assignments.	Students use analytical reasoning skills to solve problems on written tests and/or laboratory work.
•	Interpret scientific models such as formulas, graphs, tables and schematics, draw inferences from them and recognize their limitations.	Written reports of lab experiments and/or written tests demonstrate student competency in the application of scientific knowledge.
•	Demonstrate proper laboratory technique including safety in the use and care of laboratory equipment and materials.	Results from laboratory work and experiments demonstrate student awareness of science and society.

Section 6

Name of Person Completing This Form: Patty Crews Date: 12/10/2004

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

<i>Section 7</i>	<i>Primary</i>	<i>Secondary</i>	<i>N/A</i>	<i>VALUE</i>	<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"/>	<input type="checkbox"/>	X				
• 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: Patty Crews

Date: 12/10/2004