

Course Competencies Template - Form 112

GENERAL INFORMATION			
Name: Dr. Curtis McKinney	Phone #: 7-1689		
Course Prefix/Number: GLY1100L	Course Title: Historical Geology Laboratory		
Number of Credits: 1			
Degree Type	<input type="checkbox"/> B.A. <input checked="" type="checkbox"/> B.S. <input type="checkbox"/> B.A.S <input checked="" type="checkbox"/> A.A. <input type="checkbox"/> A.S. <input type="checkbox"/> A.A.S. <input type="checkbox"/> C.C.C. <input type="checkbox"/> A.T.C. <input type="checkbox"/> V.C.C		
Date Submitted/Revised: 5/15/08	Effective Year/Term: 2008-1		
<input checked="" type="checkbox"/> New Course Competency <input type="checkbox"/> Revised Course Competency			
Course to be designated as a General Education course (part of the 36 hours of A.A. Gen. Ed. coursework): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
The above course links to the following Learning Outcomes: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input checked="" type="checkbox"/> Communication <input checked="" type="checkbox"/> Numbers / Data <input checked="" type="checkbox"/> Critical thinking <input type="checkbox"/> Information Literacy <input checked="" type="checkbox"/> Cultural / Global Perspective </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Social Responsibility <input type="checkbox"/> Ethical Issues <input checked="" type="checkbox"/> Computer / Technology Usage <input type="checkbox"/> Aesthetic / Creative Activities <input checked="" type="checkbox"/> Environmental Responsibility </td> </tr> </table>		<input checked="" type="checkbox"/> Communication <input checked="" type="checkbox"/> Numbers / Data <input checked="" type="checkbox"/> Critical thinking <input type="checkbox"/> Information Literacy <input checked="" type="checkbox"/> Cultural / Global Perspective	<input type="checkbox"/> Social Responsibility <input type="checkbox"/> Ethical Issues <input checked="" type="checkbox"/> Computer / Technology Usage <input type="checkbox"/> Aesthetic / Creative Activities <input checked="" type="checkbox"/> Environmental Responsibility
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Course Description (limit to 50 words or less, must correspond with course description on Form 102): A laboratory course designed to accompany GLY1100 in the study of the History of the Earth. The student will learn the fundamentals of fossil identification, evolution, calculation of radiometric dates, interpretation of the stratigraphic record, and the role of plate tectonics in the evolution of life.			
Pre-requisite(s): none	Co-requisite(s): GLY1100		

Course Competencies: (for further instruction/guidelines go to: <http://www.mdc.edu/asa/curriculum.asp>)

Competency 1: The student will acquire knowledge of fossils by:

1. Recognizing the major fossil groups including human development.
2. Describing the process of fossilization.
3. Locating major fossil localities in North America and in Florida.
4. Demonstrating the methods of fossil collecting and preparation.

Competency 2: The student will acquire knowledge of history of the earth by:

1. Creating geologic maps.
2. Reading geologic maps.
3. Preparing geologic cross-sections.
4. Deriving the order of events from geologic cross-sections.

Competency 3: The student will acquire knowledge of radiometric dating by:

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1. Using the half-life law to calculate a radiometric date.
2. Applying radiometric dates to geologic cross-sections to produce an absolute chronology.
3. Summarizing multiply cross-sections to produce a geologic column.

Competency 4: The student will acquire knowledge of plate tectonics by:

1. Demonstrating the best fit process of Wegener to reconnect the continents.
2. Evaluating the fossil and stratigraphic evidence for plate tectonics.

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Reviewed By Director of Academic Programs Date: _____