1. Catalog Description of the Course

GEOL 122. HISTORICAL GEOLOGY (3)
Three hours of lecture per week.
This course focuses upon the geological history of the Earth and the Solar System from the origin of the cosmos to the present, tracing the evolution of the continents and ocean basins, and the evolution of plants and animals through time. Surveys events in Earth's past of relevance to present environmental issues. GenEd: B1

2. Mode of Instruction.

<table>
<thead>
<tr>
<th>Hours per Benchmark</th>
<th>Units</th>
<th>Hours per Unit</th>
<th>Benchmark Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>3</td>
<td>1</td>
<td>20</td>
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<tr>
<td>Seminar</td>
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<td>Laboratory</td>
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<td>Activity</td>
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3. Justification and Learning Objectives for the Course. (Indicate whether required or elective, and whether it meets University Writing, and/or Language requirements)

Justification: This is course contributes to the Liberal Studies options. This introductory course provides the student with a basic understanding of the history of the evolution of the Earth’s surface, including the plants and animal paleontology.

Learning Objectives. Upon completion of course, the student will be able to:
- Describe the development of the modern Earth from a geological perspective;
- Outline the ongoing geological processes affecting the Earth;
- Describe a general framework for the evolution of plants and animals.

4. Is this a General Education Course

YES

If Yes, indicate GE category:

<table>
<thead>
<tr>
<th>A (English Language, Communication, Critical Thinking)</th>
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<tbody>
<tr>
<td>B (Mathematics &amp; Sciences)</td>
<td>X</td>
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<tr>
<td>C (Fine Arts, Literature, Languages &amp; Cultures)</td>
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<tr>
<td>D (Social Perspectives)</td>
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<tr>
<td>E (Human Psychological and Physiological Perspectives)</td>
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5. Course Content in Outline Form.

- Introduction; Time
- History of Geology: Evolution
- Evolution; Time Scales
- Dating; Origin of the Earth
- Mountain Building; Continental Drift
- Cryptozoic; Early Life
- Early Paleozoic; Late Ordovician
- Middle Paleozoic; Middle Paleozoic
- Late Paleozoic; Late Paleozoic
- Mesozoic; Mesozoic
- Cenozoic; Cenozoic
- Pleistocene; Pleistocene
- Modern Earth

6. References.


7. List Faculty Qualified to Teach This Course.

Geology Faculty
NEWCRSFR 9/30/02
8. **Frequency.**
   a. Projected semesters to be offered: Fall _____ Spring X Summer _____

9. **New Resources Required.**
   A survey of lab facilities and library resources will need to be conducted to determine additional resource needs. These resource needs are anticipated to be minimal.

10. **Consultation.**
    Attach consultation sheet from all program areas, Library, and others (if necessary)

11. If this new course will alter any degree, credential, certificate, or minor in your program, attach a program modification.

___________________________________________________
Proposer of Course                                       Date