Please attach/submit additional documents as needed to fully complete each section of the form.

I. DEPARTMENT / PROGRAM

Geosciences/Geosciences Minor

II. SUMMARY

In this review cycle, two new introductory Geosciences courses are proposed: GEO103N - Introduction to Environmental Geology (3 credits), and GEO104N – Introduction to Environmental Geology Laboratory (1 credit). The proposed program modification is to allow this pair of courses to satisfy a portion of the Lower Division Core requirements for the B.S. in Geosciences degree and the Geosciences minor. Specifically, it is proposed that Geoscience majors and minors must take either GEO101/102 (Introduction to Physical Geology) or GEO103N/104N (Introduction to Environmental Geology) along with GEO211 (Earth's History and Evolution) to satisfy the Lower Division Core for the B.S. Geosciences degree and the Geosciences minor.

III. ENDORSEMENTS AND APPROVALS

Requestor: Marc S. Hendrix
Signature _______________________ Date____________
Phone / Email: (406) 544-0780, marc.hendrix@mso.umt.edu

Program Chair: James R. Staub
Signature _______________________ Date____________
*Other Affected Programs: None
Signature _______________________ Date____________

Dean:
Signature _______________________ Date____________

* Are affected because: (a) required courses incl. prerequisites or corequisites, (b) perceived overlap in content areas, or (c) cross-listing of coursework

IV. TYPE OF PROGRAM MODIFICATION

☐ Major    ☑ Minor    ☐ Option    ☐ Teaching major / minor

☐ Other, Please describe:

V. CATALOG LANGUAGE

Attach the current catalog language with the proposed changes clearly identified.

Deletions are double strike-through. New language is highlighted in green.

Appended below.
GEOSCIENCES MINOR

MINOR - GEOSCIENCES (MINOR)

College Humanities & Sciences

Catalog Year: 2016-2017

Degree Specific Credits: 18

Required Cumulative GPA: 2.0

Lower Division Core Courses

Rule: Must complete all of the following

Rule: Must complete all courses in one of two options

Note: Completion of either option fulfills the Lower Division Core requirements.

Note: This sequence of courses is recommended but alternative sequences may be approved by an advisor. Completion of all the courses in one option is recommended, but alternative sequences may be approved by a geosciences advisor.

Show All Course Descriptions

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 101N - Intro to Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEO 102N - Intro to Physical Geology Lab</td>
<td>1</td>
</tr>
<tr>
<td>GEO 211 - Earth's History and Evolution</td>
<td>4</td>
</tr>
</tbody>
</table>

Option 1

Option 2

GEO 103N – Intro to Environmental Geology | 3 Credits
Degree Electives

**Rule:** Must complete an additional 10 credits in Geosciences courses numbered 200 and above

Minimum Required Grade: C-

10 Total Credits Required

VI. JUSTIFICATION

The development of a freshman-level general education course in Environmental Geology (GEO103N) with a formal laboratory (GEO104N) will provide UM students with an introductory Geosciences sequence that focuses directly on Earth-human interactions. The current GEO101/102 sequence (Introduction to Physical Geology/Lab) focuses on Earth’s materials and processes. In addition, the proposed new courses will provide a second avenue through the freshman core course sequence for Geosciences majors and minors, and the new courses will establish an introductory Geosciences sequence that is more aligned with the research activities of many Geosciences faculty.

VII. SUBMISSION

After all signatures have been obtained, submit original, and an electronic file to the Faculty Senate Office, UH 221. An electronic copy of the original signed form is acceptable.