UNIVERSITY OF MARY WASHINGTON – PROGRAM CHANGE PROPOSAL

Electronically submit this completed form with attachments in one file to the Chair of the College Curriculum Committee.

<table>
<thead>
<tr>
<th>COLLEGE (check one):</th>
<th>Arts and Sciences</th>
<th>x</th>
<th>Business</th>
<th>Education</th>
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</thead>
<tbody>
<tr>
<td>Proposal Submitted By: Chuck Whipkey</td>
<td>Date Prepared: 1/7/2014</td>
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<tr>
<td>Department /Program:</td>
<td>Earth and Environmental Sciences/Geology Major</td>
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Note: for any program change entailing the addition any new courses, or revisions to existing courses, separate proposal for those course actions must also be submitted.

PROPOSAL TO CHANGE EXISTING PROGRAM (check no than one of the following)

| | 
|---|---|
| Revise requirements for existing major | x |
| Revise requirements for a concentration within an existing major | |
| Revise requirements for an existing degree program | |
| Revise requirements for existing certificate program | |
| Revise requirements for existing minor | |
| Implementation Date: FALL semester, year: | 2014 |

REQUIRED ATTACHMENTS FOR CHANGES TO EXISTING PROGRAMS:

1. Rationale statement (Why is this program change needed? What purposes will it serve?)
2. Impact Statement (Provide details about the Library, space, budget, technology, and impacts created by this program change. Supporting statements from the Library, IT Department, etc. evaluating the resource impact and feasibility of the program change are required.)
3. Catalog Copy (Provide the existing Catalog Description and the complete statement of the proposed new Catalog description that reflects the program changes)

PROPOSAL TO CREATE NEW PROGRAM NOT REQUIRING STATE ACTION
(check no more that one of the following)

| | 
|---|---|
| New concentration within existing major | Name: |
| New minor | Name: |
| New Major but NOT a new degree* | Name: |

*Use ONLY for interdisciplinary majors that will be grouped as part of the "Special Majors/General Liberal Arts and Sciences" degree (CIP Code 24.0101) or reported as a BLS degree (CIP Code 24.0199)

Implementation Date (semester and year):

REQUIRED ATTACHMENTS FOR NEW PROGRAMS NOT REQUIRING STATE APPROVAL:

1. Rationale statement (Why is this additional program needed? What purposes will it serve?)
2. Impact Statement (Provide details about the Library, space, budget, technology, and impacts created by this program change. Supporting statements from the Library, IT Department, etc. evaluating the resource impact and feasibility of adding the new program are required.)
3. Catalog Copy (Provide the complete Catalog Description for the proposed new program)

Department Chair Approval: Chuck Whipkey

CCC Chair Approval:

Dean Approval:

UCC Chair Approval:

*Provost Approval:

*Required only in cases of proposals for new concentrations, new minors, or new majors that do not involve a new degree

Program Change Proposal Cover Sheet (July 2013)
This is a proposal to remove GEOL 221 Environmental Geology as a major elective in the Geology major.

1. Rationale: GEOL 221 Environmental Geology is a non-lab course that was originally taken primarily by majors within our department. However, when the Natural Science General Education requirements were changed to allow non-lab courses, we modified this course to be suitable for the Gen Ed requirement. This course is no longer appropriate as a major elective because the technical level is not suitable for Environmental Science or Geology majors. In addition, much of the material covered in this course is presented in a more appropriate technical level in other required or elective courses, including GEOL 112 Evolution of the Earth, GEOL 311 Sedimentation and Stratigraphy, EESC/GEOL 315 Hydrogeology, and EESC/GEOL 340 Energy Resources and Technology.

2. There will be no library, space, budget, technology, or other impacts created by this program change. Our major students have, through advising, been mostly steered away from this class, so the impact of students switching to our other classes will be minimal.

3. The catalog description of the GEOL 221 will remain unchanged:

221 – Environmental Geology (3)
Prerequisite: GEOL 111. Interaction of geologic phenomena and processes with society and the biosphere.

Catalog text that lists our major electives will be modified as shown:

**Current**

Requirements for Geology Major

Thirty-six (36) credits, to include Geology 111, 112, 301, 302, 311, and 412; an additional twelve (12) credits in other geology courses at the 200-level or above. With advisor approval, Chemistry 331 and 332 may be substituted for up to four (4) of these credits. Environmental Science 307, 321, 326, 330, and 493 may also be included for geology elective credit.

**Proposed (if only this one proposed change is approved; change is underlined)**

Requirements for Geology Major

Thirty-six (36) credits, to include Geology 111, 112, 301, 302, 311, and 412; an additional twelve (12) credits in other geology courses at the 200-level (except 221) or above. With advisor approval, Chemistry 331 and 332 may be substituted for up to four (4) of these credits. Environmental Science 307, 321, 326, 330, and 493 may also be included for geology elective credit.

**NOTE:** We are proposing other modifications (see other proposals) to the major elective requirements in the Geology major. If the other changes are all approved, the catalog copy for the Geology major will read as follows (changes underlined):

Requirements for Geology Major

Thirty-six (36) credits, to include Geology 111, 112, 301, 302, 311, and 412; an additional twelve (12) credits in other geology courses including GEOL 201, 205, 210 and 211 (211 must be taken concurrently with 210), 240, or other geology courses at the 300-level and above. With advisor approval, Chemistry 331 or 332 may be substituted for up to four (4) of these credits. Environmental Science 307, 321, 326, 330, and 493 may also be included for geology elective credit.

Program Change Proposal Cover Sheet (July 2013)