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 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: Earth and Environmental Sciences/Environmental Sustainability Minor</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 more than one of the following)
- Revise requirements for existing major
- 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 (X)

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 than one of the following)
- New concentration within existing major
- New minor
- New Major but NOT a new degree

*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
Date: 1-7-14

CCC Chair Approval:

Date:

Dean Approval:

Date:

UCC Chair Approval:

Date:

*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 allow EESC 210 *Oceanography* (cross listed as GEOL 210) to count as an elective in the Environmental Sustainability Minor.

1. Rationale: EESC/GEOL 210 *Oceanography* (3 cr) is concerned with the chemical, physical, and biological state of the Earth’s oceans. Due to many factors, including global climate change, pollution, resource extraction, and overfishing, the health of the oceans is under assault as never before in human history. The sustainability of all of the Earth’s ecosystems is inextricably bound up with the health of the oceans. An appreciation of the science of the oceans is thus a very important aspect of the study of environmental sustainability in general. Our department is therefore proposing that *Oceanography* be added to the list of electives in the Environmental Sustainability minor.

2. There will be no library, space, budget, technology, or other impacts created by this program change. Many students minoring in Environmental Sustainability already take Oceanography and this change will allow them to use the course as part of their minor.

3. The catalog description of EESC/GEOL 210 will remain unchanged:

   210 – *Oceanography* (3)
   Prerequisite: GEOL 111. An introduction to the oceans. Physical and chemical processes affecting seawater; the geology of the seafloor; biological productivity in the oceans; and environmental challenges involving the oceans. Cross-listed as EESC 210.

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

**Current text:**

Requirements for the Environmental Sustainability Minor

Eighteen to twenty-one (18 – 21) credits. Three required core courses: EESC 110, 230, and either 326 or 330. Three or more elective courses from the following list, totaling at least nine (9) credits: EESC 307, 313, 315, 323, 325, 326, 330, 355, 360, 421, 481, 499; BIOL 424, 428; COMM 354; ECON 324, 351; GEOG 245, 339; PHIL 330; SPAN 345

**Proposed text (if changes in this proposal are approved; changes are underlined):**

Requirements for the Environmental Sustainability Minor

Eighteen to twenty-one (18 – 21) credits. Three required core courses: EESC 110, 230, and either 326 or 330. Three or more elective courses from the following list, totaling at least nine (9) credits: EESC 210, 307, 313, 315, 323, 325, 326, 330, 355, 360, 421, 481, 499; BIOL 424, 428; COMM 354; ECON 324, 351; GEOG 245, 339; **GEOL 210**; PHIL 330; SPAN 345