

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: John Madsen phone number x1608

Department: Geological Sciences email address jmadsen@udel.edu

Date: 11/30/11

Action: Revise Minor in Coastal and Marine Geoscience
(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

Effective term 12F
(use format 04F, 05W)

Current degree _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: _____
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: _____
Proposed new name for revised or new major / minor / concentration / academic unit
(if applicable)

Revising or Deleting:

Undergraduate major / Concentration: _____
(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: Revising Minor in Coastal and Marine Geoscience
(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change: _____
(**Must attach** your Graduate Program Policy Statement)

Graduate Program of Study: _____
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: _____

Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.

List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter “None”)

GEOL202 Earth’s Materials – 4 credits. This course will replace existing GEOL300 and GEOL302 courses and integrates some of the content in these courses. This new course will study earth materials including the chemistry, structure, and formation of Earth’s minerals and rocks, in the context of major rock- and sediment-forming processes.

GEOL203 Surficial Processes – 4 credits. This course will replace the existing GEOL303 course and integrates most of the content of 303. This new course will investigate the processes and history of near-surface geologic environments of the Earth and human impacts on surficial environments.

Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education: <http://www.ugs.udel.edu/gened/>

A discussion of how courses in the geological sciences support the 10 goals of undergraduate education is included in the proposals for revisions to the BA and BS degrees in Geology and the BA degree in Earth Science Education.

Identify other units affected by the proposed changes:

(Attach permission from the affected units. If no other unit is affected, enter “None”)

The revisions to the core courses in geology will impact the Environmental Science concentration in Geosciences. The notification to the Department of Geography and the Director of the Environmental Sciences program of the proposed changes and the support of the Director for our revision is included in the proposals for revisions to the BA and BS degrees in Geology.

Describe the rationale for the proposed program change(s):

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

We propose a revision to the current Minor in Coastal and Marine Geoscience. The revision is in response to proposed changes to the geology curriculum for our Geology and Earth Science Education degree programs. In terms of the minor, the revision will require the students to: 1) take an introductory-level course in the study of Earth's history and the evolution of Earth's biota over geologic time (GEOL110); 2) choose from one of the 200-level geology core courses (GEOL202 or 203); and 3) choose from one of three elective courses focusing on coastal and marine geosciences (GEOL431, GEOL434, or MAST437). The choice of courses gives students in the minor greater flexibility in satisfying requirements for the minor. The revised curriculum does not change the total number of credits (18) required.

Program Requirements:

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and **include a side-by-side comparison** of the credit distribution before and after the proposed change.)

Side-by-side comparisons for the proposed revision are shown on the following pages.

SIDE-BY-SIDE COMPARISON
Strike-through to be eliminated

CURRENT

MINOR IN COASTAL AND MARINE GEOSCIENCE

A minimum of 18 credits of course work in Coastal and Marine Geoscience must be completed for a minor.

The following courses are required (within stated options); others can be added to obtain additional credits in related disciplines.

GEOL 107 General Geology	4
or	
GEOL 105/GEOL 115 Geologic Hazards and Their Human Impact and Laboratory	4
or	
GEOL 113 Earth Science	4

At least one full-year sequence of 300-level GEOL courses	
GEOL 300-302 or	
GEOL 303-304 or	
GEOL 305-606 or	
GEOL 307-308	8

MAST482 Introduction to Ocean Sciences	3
GEOL 431 Marine Geology	3

Total Credits 18

SIDE-BY-SIDE COMPARISON
Underlined to be added

PROPOSED

MINOR IN COASTAL AND MARINE GEOSCIENCE

A minimum of 18 credits of course work in Coastal and Marine Geoscience must be completed for a minor.

The following courses are required (within the stated options); others can be added to obtain additional credits in related disciplines.

GEOL 107 General Geology	4
<u>GEOL 110 Earth History</u>	<u>4</u>
<u>GEOL 202 Earth's Materials</u>	<u>4</u>
or	
<u>GEOL 203 Surficial Processes</u>	<u>4</u>

MAST482 Introduction to Ocean Sciences	3
--	---

<u>One of the following:</u>	
GEOL 431 Marine Geology	3
<u>GEOL 434 Geology of Coasts</u>	<u>3</u>
<u>MAST 437 Geological Oceanography</u>	<u>3</u>

Total Credits 18

ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson Susan McGeary Date 1/18/12
Dean of College Nancy M. Gargan Date 1/18/12
Chairperson, College Curriculum Committee Mohsen Badily Date 1/18/12
Chairperson, Senate Com. on UG or GR Studies _____ Date _____
Chairperson, Senate Coordinating Com. _____ Date _____
Secretary, Faculty Senate _____ Date _____
Date of Senate Resolution _____ Date to be Effective _____
Registrar _____ Program Code _____ Date _____
Vice Provost for Academic Affairs & International Programs _____ Date _____
Provost _____ Date _____
Board of Trustee Notification _____ Date _____

Revised 02/09/2009 /khs