April 23, 2008

MEMORANDUM

TO: Stephen Halperin  
Dean, College of Computer, Mathematical and Physical Sciences

FROM: Phyllis Peres  
Associate Provost for Academic Planning and Programs

SUBJECT: Proposal to modify the Minor in Hydrology (PCC log no. 07069)

Your proposal to modify the curriculum of the Minor in Hydrology has been administratively approved. A copy of the approved proposal is attached.

The changes are effective Fall 2008. The College should ensure that the changes are fully described in the Undergraduate Catalog and in all relevant descriptive materials, and that all advisors are informed.

CWR/

Enclosure

cc: Carmen Balthrop, Chair, Senate PCC Committee  
Sarah Bauder, Office of Student Financial Aid  
Laura Slavin, University Senate  
Barbara Hope, Data Administration  
Denise Nadasen, Institutional Research & Planning  
Anne Turkos, Archives  
Linda Yoko, Office of the Registrar  
Scott Wolpert, Undergraduate Studies  
David Lay, College of Computer, Mathematical and Physical Sciences
DATE SUBMITTED: 3/8/2008

COLLEGE/SCHOOL: CMPS

DEPARTMENT/PROGRAM: GEOL

PROPOSED ACTION (A separate form for each) ADD ____ DELETE ____
CHANGE _X__

DESCRIPTION (Provide a succinct account of the proposed action. Details should be provided in an attachment. Provide old and new sample programs for curriculum changes.)

This is a proposal for a change to the Minor in Hydrology. See attached.

JUSTIFICATION/REASONS/RESOURCES (Briefly explain the reason for the proposed action. Identify the source of new resources that may be required. Details should be provided in an attachment.)

To extend the Department of Geology’s commitment to undergraduate research to the Hydrology Minor by the incorporation of GEOL499 – Special Problems in Geology to the list of its optional courses. See attached.

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APPROVAL SIGNATURES

1. Department Committee Chair
   
2. Department Chair
   Michael Brown 3/16/08

3. College/School PCC Chair
   David C. Ley 4/14/08

4. Dean
   David C. Ley 4/14/08

5. Dean of the Graduate School (if required)

6. Chair, Senate PCC

7. Chair of Senate

8. Vice President for Academic Affairs & Provost

VPAAP Rev. 3/1/04
Proposal for a change in the Minor in Hydrology

1. This is a proposal to change an existing minor.

2. Catalog Description is unchanged.

Courses currently required for the minor are:

- One of the following:
  - GEOL 100/110 Physical Geology (4)
  - GEOL 120/110 Environmental Geology (4)
- GEOL 322 Mineralogy (4)
- GEOL 342 Sedimentation and Stratigraphy (4)

In addition, the student must choose two from the following:

- GEOL 436 Biogeochemistry (3)
- GEOL 444 Low-Temperature Geochemistry (4)
- GEOL 451 Groundwater (3)
- GEOL 452 Watershed and Wetland Hydrology (3)

Courses to be required for the minor under the proposed revision are:

- One of the following:
  - GEOL 100/110 Physical Geology (4)
  - GEOL 120/110 Environmental Geology (4)
- GEOL 322 Mineralogy (4)
- GEOL 342 Sedimentation and Stratigraphy (4)

In addition, the student must choose two from the following:

- GEOL 436 Biogeochemistry (3)
- GEOL 444 Low-Temperature Geochemistry (4)
- GEOL 451 Groundwater (3)
- GEOL 452 Watershed and Wetland Hydrology (3)
- **GEOL 499 Special Problems in Geology** (3 cr. Letter grade only)

3. In its major tracks, the Geology Department maintains the highest possible commitment to the undergraduate research experience, fostering the development of its majors into high-caliber scientific researchers through its required two-semester senior research track (GEOL393 and GEOL394). Geology now seeks to extend this commitment and opportunity to its minors by giving them access to opportunities for independent study/research under faculty supervision. To this end, we propose the inclusion of the three-credit option of GEOL499 -- Special Problems in Geology, among optional courses for each minor track, including Hydrology.