


UC 11723 12S

TO: Simon Bott, Chair  
Undergraduate Committee

FROM: Charles Peters, Chair   
Degree Programs and CB03 - I

SUBJECT: Subcommittee Report

DATE: February 17, 2012

APPROVED FEB 22 2012  


The Degree Programs and CB03 - I subcommittee met on 2/15/2012. Committee members attending were Andrea Burrige, Carmen Carter, Richard Kasschau, and Ruxandra Prodan-Boul. Regina Capuano from Atmospheric and Earth Sciences and Ioannis Pavlidis from Computer Science were guests.

UC11588: GEOL 1102: Introduction to Climate Change Laboratory. New course. Approved.

UC11589: GEOL 1150: Introductory Meteorology Laboratory. New course. Approved.

UC11590: GEOL 3378: Principles of Atmospheric Science. Course change. Changes in title, prerequisites and description. Approved.

UC11591: GEOL 4332: Geoscience Applications of GPS and LIDAR. New course. Approved.

UC11592: GEOL 4334: Environmental Data Analysis. New course. Approved.

UC11593: GEOL 4335: Numerical Modeling in Atmospheric Science. New course. Approved.

UC11594: GEOL 4338: Advanced Climate Change. New course. EAS has changed the prerequisites to GEOL 1302, GEOL 3342 and GEOL 4339. Approved with changes.

UC11595: GEOL 4339: Biogeochemistry. New course. Approved.

UC11596: GEOL 4340: Aerosols and Climate. New course. Approved.

UC11597: GEOL 4343: Atmospheric Instrumentation. New course. Approved.

UC11598: GEOL 4356: Environmental Science Field Research. New course. Approved.

UC11599: GEOL 4365: Environmental Geochemistry. New course. Approved.

UC11600: GEOL 4370: Global Seismology. Changes in title, prerequisites, description. Approved.

UC11601: GEOL 4380: Petroleum Seismic Exploration. Changes in prerequisite and wording of description. Approved.

UC11724

~~UC11716~~: Catalog changes for the Environmental Sciences major.

This proposal greatly simplifies the Environmental Sciences major by reducing the number of options to the only two of the old ones that were viable, namely Environmental Geosciences and Atmospheric Science. Responsibility for the program moves from NS&M to EAS. Many of the new courses and course changes listed above replace ENVS courses in the old program that were never offered. These will be deleted from the inventory. The committee recommends approval.

UC11602: IDNS 4393: Advanced Science Ethics. New course. A practicum sequel to IDNS 4391. The committee recommends approval.

UC11717: Catalog changes in NS&M. This is a two-part submission. The first part concerns changes in the Chemistry B.S. and B.A. degrees. The most significant change is the requirement for at least 15 hours of real hands-on (as opposed to simulated) laboratory experience. The committee recommends approval.

The second part of UC11717 concerns changes in requirements for changing majors into NS&M. Henceforth, students changing majors into Computer Science or Mathematics would need 6 hours of mathematics applicable to the major. For other departments in NS&M, students would need 3 UH hours of applicable science and 3 UH hours of applicable mathematics. Furthermore, the overall UH gpa in general and in math/science must be at least 2.00. The math gpa for change of major into Math must be at least 2.50. The committee recommends approval.