

UC 9757 08S

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APPROVED MAY 14 2008

TO: Joel Bloom, Chair

FROM: ~~Larry Williams, Chair, Degree Program Committee~~

DATE: May 7, 2008

The committee met on 30 April 2008 at 3:00 pm. Members present: Luces Faulkenberry, Nathan Jarvis, Barbara Lewis, Iain Morrison, Lawrence Williams and Marsha Daly. Libby Barlow submitted questions by email. Guests: Michael Harold (CHEE), Charles Peters (MATH).

The Degree Program Committee Members reviewed and approve the following items. Our review led to minor changes including corrections of typographical errors and formatting, addition or deletion of information, and editing of catalog language. All changes were approved by the author of each document

MEMORANDA

UC 9731 08S: B.S. in Petroleum Engineering (new degree)

Given the current status of the petroleum industry: the price of oil, the current demand for petroleum engineers, and particularly the increasing future demand for petroleum engineers with the impending retirement of many in the business, the College of Engineering proposed this new degree. Several letters of justification from industry were requested by the DPC and received which verified the current and impending demand in this field. Several technical issues were raised regarding some course requirements and the individual "modules" students would take and all were favorably addressed. The number of hours required, either 134 or 137 (varying with module selection) exceeds 120, however such professional degrees must meet requirements of the profession and accrediting agencies with additional hours. Additionally, the request was for the program to begin fall 2008, but that start date will likely be delayed. DPC supports this proposal.

UC 9733 08S: Atmospheric Science (new minor)

DPC requested the removal of "alternative advanced electives may be used with the written approval of the department undergraduate faculty advisor" and the author agreed. With this modification, the DPC supports this proposal.

UC 9743 08S: B.S. in Mathematical Biology (new degree)

This new degree consists of a combination of carefully selected mathematics courses and biology and biochemistry courses along with two new courses hybridizing the areas of math/biology. Given the development of more mathematically based fields of biology (informatics, biomathematics, statistics) at both the professional and graduate level, this new program was developed in NSM. The DPC supports this program with the change on page 2 (Item #4. Brief Program Description) of the number of math, biology/biochemistry, math/bio hours from 56 to 59 and several typographical errors corrected in the semester sequence of course requirements. The degree requires 122 which is currently consistent with NSM guidelines and may be modified in the future.