

MINUTES OF THE UNDERGRADUATE CURRICULUM COMMITTEE MEETING

October 29, 2001

Members Present: Dowling (COA), Ferri (ME), Hughes (ECE), Lacy (Math), McIver (Reg), McMath (Provost), Sa De Melo (PHYS for Finkelstein), Sankar (AE), Schneider (DCom), Wills (ECE)

Visitors: Benkeser (BME), Choi (BIOL), Gregor (HPS), Khan (ARCH), Long (EAS), Prasad (AE), Weissburg (BIOL)

1. A motion was made to approve the minutes of August 20, 2001 and September 10, 2001 meetings. The motion was seconded and approved. Unanimous.
2. Lakshmi Sankar, Chair of the Studies Abroad Sub-Committee presented the minutes of the October 8, 2001 and October 25, 2001 meetings. After review of the minutes, a motion was made to approve. The motion was seconded and approved. Unanimous.
3. The SCHOOL OF BIOLOGY requested approval of the following new course. A motion was made to approve the course. The motion was seconded and approved. Unanimous.

NEW COURSE

BIOL 4600 Evolution 3-0-3

4. The SCHOOL OF HISTORY, TECHNOLOGY AND SOCIETY requested approval of the following new course. A motion was made to approve the course. The motion was seconded and approved. Unanimous.

NEW COURSE

HTS 3019 The Family, Sexuality and Social Change in America 3-0-3. This course will count as a Social Science elective. Equivalent to quarter course, HIST 3035.

5. The SCHOOL OF BIOMEDICAL ENGINEERING requested approval of changes to the list of elective courses for the minor in Biomedical Engineering. A motion was made to approve the changes. The motion was seconded and approved. Unanimous.

New Requirements for a minor in Biomedical Engineering:

Required (1)

BIOL/HPS 3751 Human Anatomy and Physiology (3-0-3)

Electives (choose 1 or 2)

BIOL 2334 Genetics (3-3-4)

BIOL 3331 Cell Biology (3-3-4)

BIOL 4469 Molecular Biology (3-0-3)

BIOL 4478 Biophysics (3-0-3)

CHEM 3511 Survey of Biochemistry (3-0-3)

CHEM 4511 Biochemistry I (3-0-3)

CHEM 4512 Biochemistry II (3-0-3)

Biomedical Engineering Coursework:

Required (1)

BMED/CHE/ECE/ME/MSE 1750 Intro to Bioengineering (3-0-3)

Electives (choose 2 or 3)

AE/CHE/ME 4757 Biofluid Mechanics (3-0-3)

AE/CHE/ME 4758 Biosolid Mechanics (3-0-3)

ChE/ECE/ME 4781 Biomedical Instrumentation (3-0-3)

ChE/ECE/ME 4782 Biosystems Analysis (3-0-3)

BMED 4xxx Any senior-level elective biomedical engineering course (except BMED 490x) approved by the BMED department

BMED 67xx Any graduate-level bioengineering course¹ (3-0-3) approved by the BMED department

ChE 6779 Bioprocess Engineering¹ (3-0-3)

ChE 8803 Biocatalysis¹ (3-0-3)

6. The COLLEGE OF ARCHITECTURE requested the approval of the following new courses. A motion was made to approve the courses. The motion was seconded and approved. Unanimous.

NEW COURSES

ARCH 4128 Barcelona: Architecture, Urban Design, Public Space 3-0-3. This course will count as a Humanities elective.

ARCH 4127 Introduction to Art and Architecture in Italy 1-0-1

7. The DEPARTMENT OF HEALTH AND PERFORMANCE SCIENCES requested that the name of the department be changed to APPLIED PHYSIOLOGY. After discussion, a motion was made to support the change. The motion was seconded and approved. Unanimous.
8. The WOODRUFF SCHOOL OF MECHANICAL ENGINEERING requested the following new courses and modification to the BS in Nuclear and Radiological Engineering. A motion was made to approve the courses and changes. The motion was seconded and approved.

NEW COURSES

NRE 4328 Radiation Sources and Applications 3-0-3

NRE 3112 Nuclear Radiation Detection 2-3-3

Make inactive NRE 3111, NRE 4316 and NRE 4326.

Modify the degree requirements for the BS in Nuclear and Radiological Engineering as follows:

Delete NRE 3111 (2), NRE 4316 (3) and NRE 4326 (3)

Add NRE 3112 (3), NRE 4328 (3) and a technical elective (3)

Net increase of 1 hour (to 126) required for the degree

9. The SCHOOL OF AEROSPACE ENGINEERING requested the approval of the following new courses and modification to the BS in Aerospace Engineering. A motion was made to approve the request. The motion was seconded and approved. Unanimous.

NEW COURSES

AE 3515 Systems Dynamics and Control 4-0-4

AE 4525 Control System Design Laboratory 1-3-2

Make inactive AE 3520 and AE 4520

Modify the degree requirements for the BS in Aerospace Engineering as follows:

Delete AE 3520 and AE 4520

Add AE 3515 and AE 4525

There is no change in the number of hours required for the degree.

10. The SCHOOL OF EARTH AND ATMOSPHERIC SCIENCES requested the following new courses and modifications to the BS in Earth and Atmospheric Sciences. A motion was made to approve the courses and changes to the degree. The motion was seconded and approved. Unanimous.

NEW COURSES

EAS 2420 Environmental Measures 3-0-3

EAS 2655 Quantitative Techniques in Earth & Atmospheric Sciences 3-0-3

EAS 3620 Geochemistry 3-3-4

EAS 3630 Physics of the Earth's Interior 3-0-3

EAS 3640 Atmospheric Chemistry 2-0-2

EAS 3641 Atmospheric Chemistry Laboratory 0-3-1

EAS 3650 Atmospheric Physics and Dynamics 3-0-3

EAS 4450 Synoptic Meteorology 2-3-3

Make the following courses inactive:

EAS 2650

EAS 3601

EAS 3602

Modify the degree requirements for the BS in Earth and Atmospheric Sciences as follows:

Delete: EAS 2650 (4), EAS 3601 (5), EAS 3602 (5) and EAS 2602 (3) - 17 hours

Add: EAS 2655 (3), EAS 3620 (4), EAS 3630 (3), EAS 3640 (2), EAS 3641 (1) EAS 3650 (3) and one hour of free elective. - 17 hours

There is no change in the number of degree hours required.

Adjourned,

M. Jo McIver
Registrar

¹ Seniors may schedule graduate courses if they have a grade point average of at least 2.7 (3.0 for courses cross-listed with ME) with permission from their advisor and the chair of the school offering the course

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