

APPROVED DEC 7 2011
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DEGREE PROGRAMS/CBM003 SUBCOMMITTEE 2 REPORT

TO: Simon Bott, Undergraduate Committee Chair
FROM: Luke Faulkenberry, Chair, Degree Programs/CBM003 Subcommittee 2
DATE: November 11, 2011

The subcommittee met on November 9, 2011 at 3:00pm in room 200, T2.

Members present: Reagan Herman, Luke Faulkenberry, Melissa Pierson, Shishir Shah, Ron Singer
Guest(s): Anima Bose (ET/TECH), Bret Detillier (ILT/TECH), Hassan Moghaddam (ET/TECH), Linguang Song (CNST/TECH), Monika Zarzycka (ILT/TECH)
Staff Support: Jeanette Morales

Degree Plans

UC 11427 11F: Modification to BS in Biotechnology Degree Plan

The request is to make the following modifications:

1. Replace BIOL 4319, Microbial Genetics, which is no longer being offered, with BTEC 4319, Microbial Biotechnology.
2. Increase the number of approved electives on the degree plans to accommodate the students with Engineering, NSM, and the College of Technology backgrounds who are in the Biotechnology program. The approved electives are from Biotechnology, Biochemistry, Biology, and Organizational Leadership and Supervision.
3. Move TELS 3363, Technical Communications, from College and Departmental Requirements to Writing in the Discipline. TELS 3363 has been approved as Writing in the Discipline.
4. To keep the degree plan at the required 120 semester hours a three semester hour free elective will be added to the degree plan.

The Subcommittee recommends approval of the modifications to the BS in Biotechnology degree plan.

UC 11428 11F: Construction Management Curriculum Changes

The changes in the Construction Management Curriculum are:

1. Prerequisites were changed in CNST 1325, Process and Industrial Construction, CNST 2325, Process and Industrial Subsystems, CNST 3155, Construction Material Testing, and CNST 4385, Field Operations for Capital Projects, to provide students with better preparation for the courses.

2. To better prepare students for the AIC (American Institute of Constructors) certification examination changes were made in the levels of three courses, CNST 4372, Soil Mechanics and Foundations to CNST 3372, , CNST 3311, Structural Steel and Timber Construction, to CNST 4311, and CNST 3315, Steel Construction, to CNST 4315. Other changes were the elimination of an unnecessary laboratory and a title change to better describe a class.

3. A new course, CNST 3210, Safety for Industrial Projects, was added as per the advice of the department industrial advisory board.

The Subcommittee recommends approval of the changes in the Construction Management Curriculum.

UC 11429 11F: Computer Information Systems Degree Plan Change

The Computer Information Systems Faculty want to adopt ELET 2300, Introduction to C++ Programming, to replace COSC 1304, C Programming, because ELET 2300 introduces object oriented programming which is desired for their curriculum. COSC 1305, C++ Programming requires COSC 1304 as a prerequisite, and it is difficult for the CIS program to accommodate the additional three semester hours.

The courses with a prerequisite of C++ programming were changed to reflect the change in programming courses.

The Subcommittee recommends approval of the CIS Degree Plan Changes.

UC 11430 11F: Digital Media Program Changes

The degree plan changes requested by the Digital Media Program are:

1. TELS 3363, Technical Communications, become the default writing in the Discipline course.
2. The major Requirements section has been broken down into a 60 semester hour core that provides five 12 semester hour emphasis tracks, Print Media, eMedia, Video Production, eCommerce, and Packaging, from which student may choose.
3. The number of electives has been increased to six semester hours of guided electives from three semester hours.
4. Course changes and additions were submitted to support the Degree Program changes.

The Subcommittee recommends approval of the Digital Media Program changes.

UC 11431 11F: Human Resource Development Undergraduate Degree Program Changes

The changes requested by the Human Resource Development faculty are:

1. To substitute DIGM 2350, Graphics for Digital Media, for DIGM 4376, Multimedia Authoring. HRD had difficulty in enrolling in the prerequisites for DIGM 4376 and the course itself because of high demand by Digital Media majors. The director of Digital Media suggested that DIGM 2350 would provide the basic skills in multimedia and graphic design needed by HRD students without the multiple prerequisites.
2. Removal of PSYC 3310, Industrial-Organizational Psychology from the HRD undergraduate degree plan. Currently students take PSYC 3310 or HRD 3303, Measuring Performance Outcomes. HRD 3303 is a core area of the training design process, focusing on the evaluation of training outcomes, and is more valuable for student development in HRD.

The Subcommittee recommends approval of the HRD degree plan changes.

UC 11432 11F: Advanced Surveying Engineering Technology Minor

The Engineering Technology Department is requesting the minor Surveying and Mapping be changed to Advanced Surveying Engineering Technology.

Background:

The College of Technology BS in Surveying Engineering Technology had too few graduates annually to be continued according to the THECB. The need for a surveying related baccalaureate degree remains for the Houston area and Texas. The requested minor helps fill this need.

To become a Registered Professional Land Surveyor (RPLS) one must go through the following steps. To take the Surveyor in Training test (SIT) one must have 32 semester hours in surveying and closely related courses of which 15 semester hours must be advanced courses in surveying. Upon passing one must add a BS degree and two years of qualified surveying experience to qualify to take the RPLS test and, if one passes, become a RPLS. Few schools offer surveying BS degrees, or even related degrees for surveying. A number of community colleges offer associate degrees in surveying, though.

Most surveyors are small business people. The College of Technology Organizational Leadership and Supervision is a useful degree to those who wish to be small business people. The degree has, in addition to 42 semester hours of major requirements, a 36 semester hour directed emphasis block for students to continue in the related area in which they are most interested. For surveying students a portion of those 36 semester hours may be transferred in. Surveying students would transfer in lower division surveying and related courses. The Advanced Surveying Engineering Technology Minor would be the 15 semester hours of advanced surveying. Other majors could minor in surveying if a student had the lower division surveying courses.

The surveying minor already exists, so the requests are:

1. Change the name from the minor from Surveying and Mapping to Advanced Surveying Engineering Technology.
2. Change the required classes from, SURY 2361, Surveying 1, SURY 3362, Surveying II, SURY 3363, Surveying III, SURY 4363, Legal Aspects of Surveying, and SURY 4364, Surveying IV, to SURY 3363, 4364, 4369, 4397, and GEOL 4331, Introduction to Geographic Information Systems.
3. Change prerequisites on CBM003 forms for SURY 3363 to consent of instructor, and for SURY 4369 to SURY 4364.

CMB003 Forms

The Degree Programs/CBM003 Subcommittee 2 members reviewed and approved 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.

- UC 11436 11F: BTEC 3100: Biotechnology Research Methods and Applications (Course Change)
- UC 11437 11F: BTEC 3301: Principles of Genomics/Proteomics and Bioinformatics (Course Change)
- UC 11438 11F: BTEC 3321: Good Manufacturing Practices in Biotechnology (Course Change)
- UC 11439 11F: BTEC 3399: Senior Honors Thesis (New Course)
- UC 11440 11F: BTEC 4101: Principles of Bioprocessing Laboratory (Course Change)
- UC 11441 11F: BTEC 4300: Principles of Bioinformatics (Course Change)
- UC 11442 11F: BTEC 4319: Microbial Biotechnology (New Course)
- UC 11443 11F: BTEC 4399: Senior Honors Thesis (New Course)
- UC 11450 11F: CNST 1325: Process and Industrial Construction (Course Change)
- UC 11451 11F: CNST 1330: Graphics I (Course Change)
- UC 11452 11F: CNST 2325: Process and Industrial Subsystems (Course Change)
- UC 11453 11F: CNST 3155: Construction Materials and Testing (Course Change)
- UC 11454 11F: CNST 3210: Safety for Industrial Projects (New Course)
- UC 11455 11F: CNST 3372: Soil Mechanics and Foundations (Course Change)
- UC 11456 11F: CNST 4311: Structural Steel and Timber Construction (Course Change)
- UC 11457 11F: CNST 4315: Steel Construction (Course Change)
- UC 11458 11F: CNST 4331: Construction Management II (Course Change)
- UC 11459 11F: CNST 4335: Capital Projects Development (Course Change)
- UC 11460 11F: CNST 4385: Field Operations for Capital Projects (Course Change)
- UC 11461 11F: DIGM 3354: Video Production I (Course Change)
- UC 11462 11F: DIGM 3356: ePublishing (New Course)
- UC 11463 11F: DIGM 3374: Video Production 2 (Course Change)
- UC 11464 11F: DIGM 4372: Costing in Digital Media (Course Change)
- UC 11465 11F: DIGM 4375: Package Design (New Course)
- UC 11466 11F: DIGM 4376: Integrated Media (Course Change)
- UC 11467 11F: DIGM 4378: Senior Project (Course Change)
- UC 11475 11F: HRD 4396: Internship in Human Resource Development (New Course)
- UC 11478 11F: TECH 1325: Energy for Society (New Course)