

Minutes of February 22, 2017 College of Engineering Curriculum Committee

College of Engineering Curriculum Committee – 2016-17

Dr. Thomas Lawrence, ECAM, Chair
Dr. Hitesh Handa, CMB
Dr. Peter Kner, ECE
Dr. Ramana Pidaparti, Associate Dean for Academic Programs

Guests: Dr. Larry Hornak
 Melissa Garber

The College of Engineering Curriculum Committee met on February 22, 2017 at 11:00 am in Coverdell Room 104.

Graduate programs update and decisions

- Larry Hornak reviewed the proposed graduate program revisions that were submitted by each school. The Committee reviewed and unanimously approved these for submission to the Graduate School.
- The graduate certificate in sustainability has been reviewed by faculty from each School. The Committee discussed and agreed that the College of Engineering should support this, with suggestions for modifications as made from the ECAM School.

The Committee approved the following proposals:

School of CMB:

Course Change Proposals

- BCHE 3180 (increase credit from 2 to 3)

New Course Proposals

- BCHE 4550/6550 Bioprocess Design and Simulation
- BCHE 8220 Advanced Metabolic Engineering and Synthetic Biology
- BCHE 8350 Sustainable Process Engineering
- BCHE/BIOE 8610 Bioelectroanalytical Techniques
- BCHE/BIOE 8970 Bioengineering Seminar
- BIOE 4720/6720 Human Factors and Ergonomics in Biomedical Device Design
- BIOE 4750 Biomedical Engineering Lab
- BIOE 4780 Regulations and Ethics in Biomedical Engineering
- BIOE 8490 Advanced Biomaterials
- BIOE 8510 Systems Physiology Modeling
- BIOE 8530 Advanced Biomedical Instrumentation
- BIOE 4910 Biological Engineering Capstone Design I
- BIOE 4911 Biological Engineering Capstone Design II

School of ECAM:

Course Change Proposals

- CVLE 4340 change to CVLE 4340/6340 Design of Bridges (change to dual level)
- CVLE/MCHE 4460/6460 change to CVLE/MCHE 8460 Adv. Strength of Materials
- ENGR 3410 change to ENVE 4430/6430 Natural Resources Engineering
- MCHE 4500/6500 – Adv. Thermal Fluid Systems (change to dual level)

New Course Proposals

- GEOG-ENGR 4390-6390 Small Sat Course Proposal
- MCHE 8710 - Engineering Properties of biological materials
(committee recommended this be changed from ENGR 8XXX to MCHE 8XXX)
- CVLE 8XXX – Inelastic Behavior of Asphalt
- CVLE 8XXX - Environmental River Mechanics
- CVLE 8XXX – Adv. Concrete Materials
(will work with the CVLE program lead to determine exact course numbers to use)

Other Items

- Coastal Engineering Graduate Certificate – Process for assessment of student learning outcomes (Proposal from Brock Woodson, 2 February 2017).

School of ECE:

Course Change Proposals

- CSEE 4280 Advanced Digital Design (modification)

New Course Proposals

- CSEE 4750 Programming for Computational and Systems Biology
(committee recommended this be changed from ENGR 4750 to CSEE 4750)
- CSEE 8300 Cyber Physical Systems
- ELEE 8510 Microwave Photonics
- ELEE 8580 Biological Microscopy

Georgia Informatics Institute:

- INFO 8000 Informatics
- INFO 4150 Engineering Informatics (was a special topics course)
- Informatics Certificate Undergraduate Proposal

The meeting adjourned at 11:45 am.

Next meeting is scheduled for March 29, 2017

Thomas Lawrence, Chair
College of Engineering Curriculum Committee
CC: Donald Leo, Dean