

**Minutes of the University Curriculum Committee**  
**August 13, 2009**  
**217 Koldus**

Members present: Robert Knight (Chair), College of Agriculture and Life Sciences; Tim Scott (Vice-Chair), College of Science; Lynn Burlbaw, College of Education and Human Development; Cathy Sperry (for Lale Yurttas), College of Engineering; Roxanna Russell (for Sarah Bednarz), College of Geosciences; Pamela Matthews, College of Liberal Arts; Norma Funkhouser, Medical Sciences Library; Thomas Vogel (Faculty Senate Representative), College of Science; James Herman, College of Veterinary Medicine and Biomedical Sciences.

Guests: Ashlea Schroeder and Patricia Smith, Department of Biological and Agricultural Engineering; David Reed, Graduate Council; Suzanne Shurtz, Medical Science Library; Paul Meyer, Office of the Provost.

The University Curriculum Committee recommends approval of the following:

1. The minutes of the July 10, 2009 meeting.
2. New Courses

**BAEN 301. Biological and Agricultural Engineering Fundamentals I. (3-3). Credit 4.**

Fundamental engineering concepts related to agricultural systems including the environment (soil, water, and air), plant and animal production systems and processing, and associated machines and facilities; application of techniques for data collection and analysis to problems in biological and agricultural engineering; design of experiments and communication of experimental results. Prerequisite: MEEN 221 or registration therein.

**BAEN 302. Biological and Agricultural Engineering Fundamentals II. (3-3). Credit 4.**

Fundamentals of microbiology and biochemistry as they apply to biological and agricultural engineering systems to produce useful products and/or benign wastes; topics include microbiology, chemistry of biomolecules, microbial metabolism, bioenergetics, kinetics, mass transfer, bioreactor design, bioprocesses, and downstream processing. Prerequisites: BIOL 113; CHEM 222 or registration therein.

3. Change in Course

**BAEN 479. Biological and Agricultural Engineering Design I.**

Lecture and lab hours

From: (1-2). Credit 2

To: (3-0). Credit 3

Course description

From: Capstone design project selection from problems posed by biological and agricultural engineers in industrial practice; project to be completed in BAEN 480; completion of project feasibility study and outline; design philosophy, teamwork and communication; economics; product liability and reliability; use of standards and codes; goal setting and time management.

To: Capstone design project selection from problems posed by biological and agricultural engineers in industrial practice; completion of project feasibility study and outline; design philosophy, teamwork and communication; economics; product liability and reliability; use of standards and codes; goal setting, professional development, and time management; project to be completed in BAEN 480.

Prerequisites

From: BAEN 365; BAEN 370 and 375.

To: BAEN 340, 365; BAEN 366 or 370.

4. Change in Curricula

**College of Agriculture and Life Sciences**

Department of Biological and Agricultural Engineering  
B.S. in Biological and Agricultural Engineering

5. Special Consideration

**Dwight Look College of Engineering**

Safety Engineering Certificate – course addition (elective)

6. Other Business

- Dr. Paul Meyer attended the meeting to discuss the curriculum approval process, new degree programs, and state requirements regarding syllabi.
- Dr. Meyer has sent recommendations for the curriculum approval process to M. Gunn and B. Webb for their review. Members would like clarification on electives that are being added to curriculum which only affects majors. It was noted that advisors are not aware of approved curriculum changes.
- Dr. Meyer discussed upcoming changes recently approved by the coordinating board. New certificates, bachelor's and master's degree programs, and administrative changes will now be approved by the board of regents. Engineering degrees will still need coordinating board approval. New forms will be available soon, pending committee review which will include faculty senate.
- Dr. Meyer also discussed the recently approved state house bill (2504) that requires higher education institutions to post undergraduate syllabi on the university's website by fall 2010.