Minutes of the University Curriculum Committee
October 9, 2009
217 Koldus

Members present: Tim Scott (Vice-Chair), College of Science; Leslie Feigenbaum (for Michael Murphy), College of Architecture; Lynn Burlbaw, College of Education and Human Development; Lale Yurttas, Dwight Look College of Engineering; Sarah Bednarz, College of Geosciences; Andrew Klein (Faculty Senate Representative), College of Geosciences; Claude Gibson, College of Liberal Arts; Suzanne Shurtz, Medical Sciences Library; Kristin Harper (for Pamela Matthews), Undergraduate Studies; James Herman, College of Veterinary Medicine and Biomedical Sciences; Michael Kurt and Matt Wey, Student Representatives.

Guests: Fred Boadu and Pam Vernon, Department of Agricultural Economics; Ann Gundy, Educational Administration and Human Resource Development; April Place and John Tyler, Department of Electrical and Computer Engineering; Emily Dykes, College of Geosciences; Marna Billiter and Jean Ragusa, Department of Nuclear Engineering; Poppy Capehart, Department of Nutrition and Food Science; Jennifer Albert, Department of Poultry Science; Martyn Gunn and Paul Meyer, Office of the Provost and Executive Vice President for Academics.

The University Curriculum Committee recommends approval of the following:

1. The minutes of the September 11, 2009 meeting.

2. New Courses

   AGEC 415. Food & Agribusiness Strategic Market Planning. (3-0). Credit 3. Development of a market plan targeting the food and agribusiness market sector; market analysis; business propositions; action plans for executing the 4 P's (Product, Price, Place, Promotion); monitoring and measurement. Prerequisites: AGEC 314 or MKTG 321 or 409; AGEC 315; junior or senior classification or approval of instructor.

   AGEC 460. Cross-Cutting Issues in Agricultural Economics. (3-0). Credit 3. Economic concepts used in corporate presentations and decision-making from an agricultural perspective; includes finance, resource economics, policy, marketing, management and quantitative analysis. Prerequisites: AGEC 317; AGEC 314 or MKTG 321 or 409; AGEC 330 or FINC 341 or 409; AGEC 429; agricultural economics and agribusiness majors only; junior or senior classification or approval of instructor.

   ECEN 403. Electrical Design Laboratory I. (2-2). Credit 3. Application of design process and project engineering as practiced in industry; team approach to the design process; development of a project proposal; proposed project implemented in ECEN 404. Prerequisites: ECEN 214, 314, 325; ENGL 210, 241 or 301 or COMM 203 or 205; senior classification.

   ECEN 404. Electrical Design Laboratory II. (2-3). Credit 3. Continuation of ECEN 403; application of the design process and project engineering as practiced in industry; team approach to the design process; completion of project based on proposal from ECEN 403; includes testing, evaluation and report writing. Prerequisites: ECEN 403, senior classification and approval of project.

EHRD 477. **Project Management in Organizations. (3-0). Credit 3.** Application of principles of project management in organizations; focus on the development of project proposals, project planning using project management software; management of project personnel and resources. Prerequisite: Junior or senior classification or approval of instructor.

ENGR 270. Engineering Projects in Community Service. (1-0). Credit 1. Project course using team approach to engage students in open-ended community service projects involving non-profit agencies; includes project management, understanding the complete design process, awareness of the customer in engineering design, and the ability to communicate effectively. May be taken six times for credit. Prerequisites: ENGR 111 or approval of instructor; lower-level classification in an engineering major.

ENGR 470. Engineering Projects in Community Service. Credit 1 to 2. Project course using team approach to engage students in open-ended community service projects involving non-profit agencies; includes project management, understanding the complete design process, awareness of the customer in engineering design, and the ability to communicate effectively. May be taken six times for credit. Prerequisites: ENGR 111 or approval of instructor; upper-level classification in an engineering major.

FSTC 369. Experimental Nutrition & Food Science Laboratory. (1-6). Credit 4. Investigation of nutritional intervention in animal models of metabolic and psychological disorders (e.g. obesity and depression); investigational approaches: behavioral analyses; RNA & protein analyses; reverse transcription PCR. Prerequisites: CHEM 227; CHEM 237; junior or senior classification or approval of instructor. Cross listed with NUTR 369.

NUEN 418. Fuel Assembly and 3-D Reactor Core Design and Modeling. (2-0) Credit 2. Application of state-of-the-art engineering-grade codes in the neutronic design, analysis and modeling of nuclear fuel assembly and core. Prerequisites: NUEN 304 and junior or senior classification.

NUTR 369. Experimental Nutrition & Food Science Laboratory. (1-6). Credit 4. Investigation of nutritional intervention in animal models of metabolic and psychological disorders (e.g. obesity and depression); investigational approaches: behavioral analyses; RNA & protein analyses; reverse transcription PCR. Prerequisites: CHEM 227; CHEM 237; junior or senior classification or approval of instructor. Cross listed with FSTC 369.

3. Change in Courses

ECEN 303. Random Signals and Systems.

Prerequisite
From: ECEN 214, MATH 308; junior or senior classification
To: ECEN 314, MATH 308; junior or senior classification

ECEN 447. Digital Image Processing.

Prerequisite
From: ECEN 444, familiarity with C programming
To: ECEN 314; junior or senior classification

NUEN 430. Computer Applications in Nuclear Engineering.

Course description

From: Applications of digital computers to solve nuclear engineering problems; nuclear data and cross-section libraries; deterministic and Monte Carlo methods; discretization methods, problems with multigroup neutron diffusion, depletion, and kinetics; transient heat transfer; analog and non-analog Monte Carlo methods; optimization; applied nuclear engineering codes.

To: Applications of digital computers to solve nuclear engineering problems; nuclear data and cross-section libraries; deterministic methods for linear and non-linear nuclear systems, and Monte Carlo methods for linear nuclear systems.

4. Change in Curricula

Dwight Look College of Engineering
Artie McFerrin Department of Chemical Engineering
B.S. in Chemical Engineering

Department of Computer Science and Engineering
Department of Electrical and Computer Engineering
B.S. in Computer Engineering
Computer Science Track
Electrical Engineering Track

Department of Electrical and Computer Engineering
B.S. in Electrical Engineering

College of Geosciences
B.S. in Environmental Geoscience

B.S. in Environmental Studies

5. Special Consideration

College of Agriculture and Life Sciences
Department of Horticulture Sciences
B.S. in Floriculture
Request to discontinue degree

6. Tabled Items

- New courses
  - POSC 319 – prerequisites; absence, attendance, and make-up policies; ADA statement; course title included in course description; last exam date (final?).

- ALED 222 – previously tabled; no representative present to address concerns - late work policy; item 7b on form should reference degree program; what are requirements to be in learning community (prerequisites) and does it pose unallowable restrictions for entry to class?
- SCSC 423 – previously tabled; reference to core curriculum credit (ICD) on course form; ADA statement

- Change in Curriculum – *awaiting approval of POSC 319*
  - College of Agriculture and Life Sciences
    Department of Poultry Science
    B.S. in Poultry Science

7. Other Business

- M. Gunn and P. Meyer attended meeting to address:
  - Substantive versus non-substantive items (editorial)
  - Course descriptions in Compass
  - Curriculum approval process (flowchart)

- Sub-committees were created to review and present recommendations on handling editorial items and course descriptions. A suggestion was made that editorial items could be submitted to committee as an informational item.
  - Editorial items sub-committee (Bednarz, Feigenbaum, Herman)
  - Course description sub-committee (Bednarz, Feigenbaum, Harper, Williams, Registrar's Office)

- A course form/syllabus checklist was presented and will be emailed to committee members for review/comments.

- Introduction of UCC student representative Michael Kurt.

8. The following items from the September UCC meeting were returned by the Executive Committee for corrections. They were resubmitted with the October UCC report to Faculty Senate.

New Course

ECEN 419. Genomic Signal Processing. (3-0). Credit 3. Fundamentals of molecular biology; application of engineering principles to systems biology; topics include unearthing intergene relationships, carrying out gene-based classification of disease, modeling genetic regulatory networks, and altering their dynamic behavior. Prerequisite: ECEN 314, junior or senior classification or approval of instructor.

Special Consideration

College of Education and Human Development
Department of Health and Kinesiology
B.S. in Kinesiology
Request for a Dance Science Track