COLLEGE OF ENGINEERING
COURSE AND CURRICULUM CHANGES

To be considered at the College of Engineering
Course and Curriculum Meeting

April 2, 2015

Fiedler Auditorium

3:30

Undergraduate/Graduate

NON-EXPEDITED

Contact Person: James Goddard
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Units that may be directly impacted by these changes:

Agriculture Economics, Math Department, Business Admin Pre-Professional Program,
Management Information Systems, Statistics,

Please provide the sponsors of a proposal change with any information regarding fiscal or
programmatic impact on your department, program or students
Non-Expedited Policy Proposal

Non-Expedited Policy Change

Proposed new policy: A retake policy will apply to the following CIS courses:

- CIS 115
- CIS 200
- CIS 300

Any student receiving two grades of either D, F, or XF in the same course from this list will be disqualified from the following:

- Taking any CIS course on the above list.
- Taking any CIS course having one of these courses as a prerequisite, either directly or indirectly.
- Receiving a BS degree in either CS or IS, or a CIS minor.

For grades received prior to the Fall 2015 semester, at most one D/F/XF grade per course will apply to this policy. Students may petition for reconsideration by writing to the CIS Department Undergraduate Programs Director after one year has elapsed since the receipt of the last of these grades. Such petitions will be reviewed by a committee appointed by the CIS Department Head and the Undergraduate Programs Director.

Rationale: Our undergraduate programs, including the CIS minor, contain a significant number of students who repeat several of our courses until they can pass them. Those who start this trend in a core course tend to continue it for subsequent courses. Most of these students do not finish, and for those who do, it is doubtful whether they have actually mastered the necessary skills for the computing profession. With our current high enrollment numbers and low faculty space resources, it is difficult to justify giving seats to such students. Furthermore, our directing these students to a field of study in which they can succeed would be in their best interest. This policy would enable us to take such intervention.

Effective: Fall 2015

Impact: The following programs list one or more of the courses listed above as either required or recommended: Agricultural Economics (Quantitative Option), Applied Mathematics, Business Administration Pre-Professions Program, Computer Engineering, Industrial Engineering, Management Information Systems, Mathematics, and Statistics.
Non-Expedited
Course Proposals 000-599

General Engineering

From:
DEN 160 – Engineering Concepts Credits: (1)

An introduction to engineering and engineering design. Students work in teams, practice communication skills, and apply problem-solving methods to the design, build, test process. Related topics include a review of the various fields of engineering and career opportunities. The availability of campus resources and the use of academic skills such as time management and goal setting are also emphasized.

Note: One recitation and one seminar a week.

Requisites: None.

When Offered: Fall, Summer
UGE course: No K-State 8: None

To:
DEN 160 – Engineering Orientation Credits: (1)

An introduction to engineering; general orientation; policies; student organizations; study skills and time management; departmental degree programs and careers.

Note: One recitation a week.

Requisites: None.

When Offered: Fall
UGE course: No K-State 8: None

Rationale: This is a change to the title and course catalog description. They are being changed to better reflect the fact that the course is an orientation and overview for students who are interested in a College of Engineering degree program.

Effective: Fall 2015
Impact: None outside the College of Engineering and the General Engineering program.

New Course
ADD:

New Course: DEN 161. Engineering Problem Solving (1). Introduction to application-oriented engineering problem solving skills using fundamental engineering problems specific to each discipline, teamwork, and communication skills.

Note: 2 hour lab a week

Requisites:

Prerequisite: MATH 100 and MATH 150  (or Prerequisite or concurrent enrollment: MATH 220)

When Offered: Fall, Spring

UGE course: No       K-State 8: None

Rationale: This is a new required course, early in the program, intended to introduce basic problem solving concepts and engineering problems. Retention is a key component.

Impact: None

Effective Date: Fall 2015