CATALOG YEAR 2012-2013

COLLEGE/SCHOOL/SECTION: _____ College of Arts and Sciences_____

Course: Add: ____ Delete: _X__ Change: _____
(check all that apply)
Number ___ Title ___ SCH ___ Description ___ Prerequisite _____

Response Required: **New** course will be part of major ___ minor ___ as a required ___
or elective ___ course

Revised System Engineering Courses

SENG 4380 Quality Control and Reliability Three semester hours. (*)

Principle and practice of statistical quality control including control by variable and by attribute; construction and use of control charts for variables; fraction defectives, number of defects and use of standard plans; reliability and life cycle testing; failure mode and effect analysis; basic concepts of total quality management. Prerequisites: SENG 3380.

Justification

1. The course materials of ENGR 2372, SENG 3380, and SENG 4380 have considerable overlap.

2. Deleting the SENG 4380 as titled "Engineering Statistics," will open a slot for new system engineering course titled as "Software Development" to be part of the systems engineering curriculum.

3. This change results in a better structured system engineering curriculum.

Response Required: **New** course will introduce ___, reinforce ___, or apply ___ concepts

If new, provide Course Prefix, Number, Title, **Measurable** Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.

Program: Delete: ___ Add: ___ Change: ____ Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.

Minor: Add: ___ Delete: ___ Change: ___ Attach new/changed minor. If in current online catalog, provide change and attach text with changes in red.

College Introductory Pages: Add information: ___ Change information: ___
Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Other: Add information: ___ Change information: ___ Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Approvals: Signature   Date

Chair   _____   _____
Department Curriculum Committee

Chair   _____   _____
Department

Chair   _____   _____
College Curriculum Committee

Dean   _____   _____

04/2011