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

Course: Add: ___ Delete: X Change: _______
(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.

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<td>Chair</td>
<td>Rohitha Goonatilake, Ph.D.</td>
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