



UCC Document # 140

College Document # _____

Review Type: Edit Exp Full

CATALOG YEAR 2014-2015

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

Course: Add: _____ Delete: _____ Change: X _____

(check all that apply)

Number _____ Title _____ SCH _____ Description _____ Prerequisite X _____

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

Revised System Engineering Courses

SENG 4330 *Operations Research II*

Three semester hours.

Introduction to the fundamental probabilistic analytical methods and their applications to industrial and systems engineering. Modeling and decision making with uncertainties. Methods include Markov chains, Poisson processes, renewal theories and queuing systems with application to production systems and inventory controls. Prerequisites: SENG [3330](#), ~~SENG 3380~~, ENGR 2372.

Justification:

SENG 3380 used to be Engineering Statistics, which is changed to Measurement & Devices in academic year 2012-2014. ENGR 2372 is now titled as Engineering Statistics, which is the appropriate pre-requisite for the course SENG 4330.

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

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