



CATALOG YEAR __2011-2012__

(Please use separate form for each add/change)

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

Current Catalog Page(s) Affected: pp. ___ On Line _____

Course: Add: _____ Delete: _____ Change: Number _____ Title _____

(check all that apply) SCH _____ Description _____ Prerequisite ___ X _____

If new, provide Course Prefix, Number, Title, SCH Value, Description, prerequisite, lecture/lab (hours if applicable) and **student learning outcomes**. If in current catalog, provide change and attach page with changes in red and provide a brief justification.

Revised System Engineering Courses**SENG 4340** *Intelligent Systems*. Three semester hours. (*)

Introduction to methods for the analysis and design of intelligent engineering systems. Topics include reinforcement learning, optimal estimation, Bayesian networks, expert systems, neural networks, and genetic algorithms. Applications emphasize control and decision making in engineering, finance, and computer science. Prerequisites: **SENG 3340**, ~~SENG 3370~~.

Justification

The Prerequisite SENG 3340 is more appropriate than SENG 3370 based on the topics covered in SENG 4340.

Program: Add: _____ Change: _____ Attach new/changed Program of Study description and 4-year plan. If in current catalog, provide change and attach page with changes in red.**Minor:** Add: _____ Delete: _____ Change: _____ Attach new/changed minor.

If in current catalog, provide change and attach page with changes in red.

Faculty: Add: _____ Delete: _____ Change: _____ Attach new/changed faculty entry.

If in current catalog, provide change and attach page with changes in red.

College Introductory Pages: Add information: _____ Change information: _____

Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Other: Add information: _____ Change information: _____

Attach new/changed information. If in current catalog, provide change and attach page with changes in red.

Approvals:

Signature

Date

Chair
Department Curriculum Committee

Chair
Department

Chair
College Curriculum Committee

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