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 _X____ Prerequisite _____

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

ENGR 1201 *Foundations of Engineering I*. Two semester hours. (FL/SS)
Introduction to the engineering profession and disciplines; development of skills in problem solving including numbers, units, graphs and error calculation; drawing and design using CAD tools; students work in teams on an engineering design project, including construction, testing and reporting. Co- requisite: MATH 2413. Course Fee: $35.

Previous Description:
ENGR 1201 *Foundations of Engineering I*. Two semester hours. (FL/SS)
~~Introduction to the engineering profession, ethics and disciplines, development of skills in teamwork, problem solving, logic processing, design and drawing; emphasis on computing applications and CAD tools.~~ Corequisite: MATH 2413. ~~(Formerly ENGR 1211)~~

Justification

ENGR 1201 requires modification in the description as it is a pre-engineering course which needs to be adjusted based on TAMIU-TAMU Pre-Engineering Agreement program. Also, a course fee of $35 needs to be added for this course.

Justification for Adding Course Fee

This course requires AutoCAD software, which costs $10,000 for Campus Academic License with a renewal fee of $6,600 per year. Also, the students build projects using toy car parts and sheets of ABC Styrene Plastic at thickness of 0.040 mm, 0.020, & 0.030 mm for designing the body. These parts need to be replaced and restore for student usages every semester. Therefore, an average cost of $35 needs to be added as a course fee for ENGR 1201 to purchase of different parts for the project and renewal/update the software licenses.

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

Dean   _____   _____