Revised System Engineering Courses

**ENGR 1204 Engineering Graphics.** Two semester hours. Orthographical and isometric drawings, auxiliary view and sections views and dimensioning are introduced. Tolerance, working drawings, three dimensional pictorials, primary and successive auxiliary view and vector graphics are presented. Computer aided design software such as Auto-CAD is used for drawing and development of systems in mechanical, electrical and welding applications. Prerequisite: ENGR 1201. **Course Fee: $35.**

**Justification**

The revised course description will better prepare students to meet pre-engineering degree requirement for 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 use AutoCAD throughout course to learn engineering graphics. Therefore, an average cost of $35 needs to be added as a course fee for ENGR 1204 to renew/update the AutoCAD software license.

**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.

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**College Introductory Pages:** Add information: _____ Change information: ______
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<th>Approvals:</th>
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| Chair      | Qingwen Ni | Digitally signed by Qingwen Ni  
DN: CN=Qingwen Ni, C=US, O=TAMU, OU=TAMU  
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