Revised System Engineering Courses

ENGR 2372 Introduction to Design of Experiments. Three semester hours. (*)
Basic probability theories and hypothesis testing introduced. Single factor ANOVA.
Randomized blocks and Latin squares, two-factorials and 2k factorial designs, robust
parameter design and uncertainty analysis. Software packages will be used for data mining
and interpretation with application to engineering systems and/or other systems.
Prerequisites: ENGR-1201, ENGR 1202.

Justification

The new prerequisite prepares students better for taking ENGR 2372.

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.

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:

<table>
<thead>
<tr>
<th>Position</th>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair, Department Curriculum Committee</td>
<td>Qingwen Ni</td>
<td>2008.10.29 12:12:05 -05'00'</td>
</tr>
<tr>
<td>Chair, Department</td>
<td>Rafic Bachnak</td>
<td>2008.10.29 10:02:16 -05'00'</td>
</tr>
<tr>
<td>Chair, College Curriculum Committee</td>
<td>James A Norris</td>
<td>2008.11.01 12:25:24 -05'00'</td>
</tr>
<tr>
<td>Dean</td>
<td>Rex H. Ball</td>
<td>2008.10.30 09:12:10 -05'00'</td>
</tr>
</tbody>
</table>