

## Industrial Engineering Program

<b>1. COURSE NUMBER AND NAME</b>	<b>IE 444 – Senior Project II</b>
<b>2. CREDITS AND CONTACT HOURS</b>	2 Credits. 4 Contact Hours
<b>3. COURSE INSTRUCTOR</b>	Layer Abdel-Malek
<b>4. TEXT BOOK</b>	Not required
<b>4A. OTHER MATERIAL</b>	Data, drawings, process descriptions and other material provided by the project sponsor. Book and other publication references appropriate for the project.
<b>5A. CATALOG DESCRIPTION</b>	Senior design project, in which the concepts of industrial engineering systems, principles, and procedures are integrated and applied in industrial projects or case studies.
<b>5B. PREREQUISITES</b>	IE 443
<b>5C. REQUIRED, ELECTIVE OR SELECTED ELECTIVE</b>	Required
<b>6A. SPECIFIC OUTCOMES OF INSTRUCTION</b>	The students will: <ol style="list-style-type: none"> <li>1 Learn to work in a team setting (d).</li> <li>2 Learn to integrate knowledge gained in program courses and apply it to a real world problem (a, c and e)</li> <li>3 Learn to prepare professional reports and make presentations (g)</li> <li>4 Learn project management skills, allocations of resources and time management (f and k)</li> </ol>
<b>6B. CRITERION 3 OUTCOMES ADDRESSED</b>	The mapping of the four (4) outcomes of instruction of item 6A to the Criterion 3 outcomes (a-k) is as follows: <ol style="list-style-type: none"> <li>1. Satisfies Criterion 3 outcome d.</li> <li>2. Satisfies Criterion 3 outcomes a, c and e.</li> <li>3. Satisfies Criterion 3 outcome g.</li> <li>4. Satisfies Criterion 3 outcomes f and k).</li> </ol>
<b>7. TOPICS COVERED</b>	<ol style="list-style-type: none"> <li>1. Visits to industrial location</li> <li>2. Work under the guidance of faculty</li> <li>3. Develop the appropriate models, processes and implementation schemes</li> <li>4. Make interim presentations and seek input from industrial representative(s)</li> </ol>

	<ol style="list-style-type: none"><li>5. Determination of required skills and models</li><li>6. Prepare a draft final report</li><li>7. Review of draft by faculty and industrial representative(s)</li><li>8. Prepare a written final report and make an oral presentation</li></ol>
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