CREDITS AND CONTACT HOURS: Credit Hours: 3, Contact Hours: 45

COORDINATOR: Dr. Edward Allen

   a. Supplemental Material: No required material

SPECIFIC COURSE INFORMATION:
   a. Catalog Description: Three hours lecture. Concepts in software project management functions such as planning, organizing, staffing, directing and control, estimating, scheduling, monitoring, risk management, and use of tools.
   b. Prerequisites: CSE 4214/6214 with grade of C or better
   c. Required/Elective:
      Computer Science – Elective
      Software Engineering – Required
      Computer Engineering - Elective

SPECIFIC GOALS OF THE COURSE:
   a. Specific Outcomes of Instruction:
      1. The student is able to describe alternative software project life cycle models and select the correct model for a given software project scenario.
      2. The student is able to plan tasks, plan task dependencies, estimate effort, and estimate other needed resources.
      3. The student is able to recognize and categorize risks, intellectual property, and legal issues of software projects.
      4. The student is able to organize project personnel and has knowledge of personnel management issues.
   b. Criterion 3 Outcomes:
      Note: Parenthesized list indicates the ABET EAC and CAC outcomes addressed by each performance criteria.
      1. The student is able to describe alternative software project life cycle models and select the correct model for a given software project scenario. (EAC: a; CAC: a).
      2. The student is able to plan tasks, plan task dependencies, estimate effort, and estimate other needed resources. (EAC: c,k; CAC: c,i)
      3. The student is able to recognize and categorize risks, intellectual property, and legal issues of software projects. (EAC: f, h, j; CAC: e, g)
      4. The student is able to organize project personnel and has knowledge of personnel management issues. (EAC: h; CAC: g)
TOPICS COVERED:  
<table>
<thead>
<tr>
<th>Topic</th>
<th>(Number of class hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Introduction</td>
<td>5</td>
</tr>
<tr>
<td>2. Life cycle models</td>
<td>4</td>
</tr>
<tr>
<td>3. Project planning</td>
<td>12</td>
</tr>
<tr>
<td>4. Organization planning</td>
<td>3</td>
</tr>
<tr>
<td>5. Risk</td>
<td>9</td>
</tr>
<tr>
<td>6. Managing personnel</td>
<td>6</td>
</tr>
<tr>
<td>7. Exams and reviews</td>
<td>6</td>
</tr>
</tbody>
</table>