2015-2016 CSCI EETF Assessment Year End Report, 2016

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<tr>
<th>Program Name(s)</th>
<th>EETF Faculty Rep</th>
<th>Department Chair</th>
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<tr>
<td>Engineering Management</td>
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A. Program Student Learning Outcomes
The Student Learning Outcomes:
a. Develop advanced analytical skills in optimization, planning and control, and other quantitative management techniques
b. Effectively manage teams of multi-disciplinary and multi-cultural professionals.
c. Understand the impact of engineering and management decisions in a global, economic, environmental, and societal context
d. Have the ability to effectively and persuasively communicate
e. Recognize the need for, and have an ability to engage in, life-long learning

B. Program Student Learning Outcome(s) Assessed
SLO c – “Understand the impact of engineering and management decisions in a global, economic, environmental, and societal context” was assessed

C. Summary of Assessment Process
The ability to understand the impact of engineering and management decisions in a global, economic, environmental, and societal context was assessed by student performance on the following midterm exam question:

4) a) Describe 5 specific product and/or process design CHOICES that would promote a sustainable or 'green' design for your designated object, one choice related to each life cycle phase.
   b) For each design choice, describe how that choice is more sustainable than an alternative choice that could have been made (i.e., for each phase compare your design choice to an alternative that is not as sustainable, and describe how your design is more sustainable in comparison).

D. Summary of Assessment Results

**Outcome (c):** The ability to understand the impact of engineering and management decisions in a global, economic, environmental, and societal context

**Indicator:** Question 4 of the midterm exam was answered by 32 students. The average score was 71.2%.

**Evaluation:** Most students performed well on the question, but a few got close to no points. Since this was the last question on the exam, some students appear to have run out of time before being able to answer correctly.