

## Rubric for Performance Indicators of Student Outcome (h):

### The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.

Performance Indicator	1: Beginning	2: Developing	3: Proficient	4: Exemplary
Identify the global, economic, environmental, and societal context of an engineering problem.	<ul style="list-style-type: none"> <li>Unable to identify relevant contexts of the problem.</li> <li>Relevant contexts described in an extremely limited fashion.</li> </ul>	<ul style="list-style-type: none"> <li>One relevant context of the four listed context types identified.</li> <li>The one relevant context described in only a rudimentary fashion.</li> </ul>	<ul style="list-style-type: none"> <li>Relevant contexts among two or three of the four listed context types recognized.</li> <li>At least two contexts described substantively.</li> </ul>	<ul style="list-style-type: none"> <li>Relevant contexts among three or four of the four listed context types identified.</li> <li>At least three of the contexts described thoroughly.</li> </ul>
Explain the impact of engineering decisions in a global, economic, environmental and societal context.	<ul style="list-style-type: none"> <li>Explanation of relevant impacts of engineering decisions absent or extremely limited.</li> </ul>	<ul style="list-style-type: none"> <li>Explanation of engineering decision impact touches on only one context.</li> <li>Explanation of relevant impacts of engineering decisions is rudimentary.</li> </ul>	<ul style="list-style-type: none"> <li>Explanation of relevant impacts of engineering decisions touches on two to three of the contexts.</li> <li>Explanation is substantive in the majority of contexts.</li> </ul>	<ul style="list-style-type: none"> <li>Explanation of relevant impacts of engineering decisions touches on three or four of the contexts.</li> <li>Explanation is at least substantive in all contexts and is thorough in the majority.</li> </ul>