

Rubric for Performance Indicators of Student Outcome (k):

An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice

Performance Indicator	1: Beginning	2: Developing	3: Proficient	4: Exemplary
Identify necessary techniques, skills and tools of modern engineering practice for a given situation	<ul style="list-style-type: none"> Identifies a small subset of necessary techniques, skills, and tools Identifies unrelated techniques, skills, and tools 	<ul style="list-style-type: none"> Identifies some techniques, skills, and tools, but missing some important items Includes some unrelated techniques, skills, and tools 	<ul style="list-style-type: none"> Identifies almost all of the relevant techniques, skills, and tools Missing some minor techniques, skills, and tools 	<ul style="list-style-type: none"> Identifies all relevant techniques, skills, and tools Does not include unrelated techniques, skills, and tools
Explain the use of specific techniques, skills and tools of modern engineering practice	<ul style="list-style-type: none"> Provides little explanation of how the techniques, skills, and tools should be used Provides incorrect explanation of how to use techniques, skills, and tools 	<ul style="list-style-type: none"> Explains how some techniques, skills, and tools should be used, but missing some important items Provides some incorrect explanations of how to use techniques, skills, and tools 	<ul style="list-style-type: none"> Explains how almost all of the techniques, skills, and tools should be used Shows adequate understanding of techniques, skills, and tools Missing the explanation of some minor techniques, skills, and tools 	<ul style="list-style-type: none"> Explains how all relevant techniques, skills, and tools should be used Shows in-depth understanding of techniques, skills, and tools Does not explain unrelated aspects of techniques, skills, and tools
Apply the chosen techniques, skills and tools of modern engineering practice to the given situation	<ul style="list-style-type: none"> Applies a small subset of the necessary techniques, skills, and tools Incorrectly applies the techniques, skills, and tools 	<ul style="list-style-type: none"> Correctly applies some of the techniques, skills, and tools, but missing some important items Incorrectly applies some techniques, skills, and tools 	<ul style="list-style-type: none"> Correctly applies almost all of the techniques, skills, and tools Demonstrates adequate use of techniques, skills, and tools Incorrectly applies some minor techniques, skills, and tools 	<ul style="list-style-type: none"> Correctly applies all relevant techniques, skills, and tools Demonstrates mastery of techniques, skills, and tools Does not apply unnecessary techniques, skills, and tools