**Rubric for Self-Assessment Processes**

**Student Outcome #6:** An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

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| **Performance Indicators** | **Unsatisfactory** | **Developing** | **Meeting Expectations** | **Exceeding Expectations** |
| **Develop and conduct appropriate experimentation** | The student does not develop and conduct the experiment, and fails to understand the protocols | The student is trying to develop and conduct the experiment following the protocols | The student develops and conducts the experiment following the protocols, making only minor mistakes | The student develops and conducts the experiment properly, following the protocols |
| **Analyze and interpret data** | The student does not analyze and understand the data and fails to make a proper interpretation | The student analyzes and understands the data, but fails to make a proper interpretation | The student analyzes, understands the data, and makes a proper interpretation, making only minor mistakes | The student analyzes, understands the data, and makes excellent interpretations |
| **Use engineering judgment to draw conclusions** | The student makes no conclusions | The students make limited/improper/non-related conclusions | The students make the conclusions based on engineering judgment | The students make all appropriate conclusions based on engineering judgment |