**SLO Rubric #2 (Computation)**

* Use arithmetic and other basic mathematical operations as required by program of study.
* Apply quantitative skills for academic and career purposes.

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| **Criteria** | **1-Beginning** | **2-Developing** | **3-Competent** | **4-Accomplished** | **N/A** |
| **Recognition** | Little to no recognition of relevant information necessary to solve problem(s) | Somewhat recognizes relevant information to solve problem(s) | Mostly recognizes relevant information to solve problem(s) | Clearly recognizes of relevant information necessary to solve problem(s) |  |
| **Calculation** | Steps/calculations are incorrect, or not attempted | Steps/calculations are somewhat correct and/or some are missing | Steps/calculations mostly correct | Work shown is logical Steps/calculations are correct |  |
| **Representation** | Lacks ability to represent information in a variety of modes/forms | Somewhat able to represent information in a variety of modes/forms | Mostly able to represent information in a variety of modes/forms | Definitely able to represent information in a variety of  modes/forms |  |
| **Application** | Applies few to no concepts/principles necessary to solve problem(s) | Applies some concepts/principles necessary to solve problem(s) | Applies most concepts/principles necessary to solve problem(s) | Applies all concepts/principles necessary to solve problem(s) |  |
| **Comprehension** | No attempt made to  justify or make sense of answer | Attempts to justify or make sense of answer, but attempt is not relevant | Justifies or makes sense of answer, but justification is confusing | Justification of answer is reasonable |  |

**Criteria Explanation:**

**Recognition-**student is able to identify relevant information necessary to solve the problem.

**Calculation-**steps and strategies a student presents as her work. Can the steps be followed? Is the math done correctly?

**Representation-**student can present/relate information in multiple forms: mathematically, graphically, in words, pictures, etc.

**Application-**student can apply correct concept/principle necessary to solve problem.

**Comprehension-**student can recognize whether the answer is reasonable for the given problem e.g. 2/3 + 3/4; a reasonable answer is a number greater than 1.

**Rating Scale Explanation:**

1. **Beginning**: lacks evidence of meeting the criterion.
2. **Developing**: somewhat demonstrates evidence of meeting the criterion.
3. **Competent**: meets the criterion.
4. **Accomplished**: meets and/or exceeds the criterion in a meaningful way.