**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.