

## 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

Criteria	1-Beginning	2-Developing	3-Competent	4-Accomplished	N/A
<b>Recognition</b>	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)	
<b>Calculation</b>	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	
<b>Representation</b>	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	
<b>Application</b>	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)	
<b>Comprehension</b>	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.