

QUANTITATIVE LITERACY OUTCOME

OUTCOME STATEMENT: SCC graduates should be able to apply college-level mathematical concepts and methods to understand, analyze, and communicate in quantitative terms.

RUBRIC: The Quantitative Literacy outcome consists of three major competencies (Understanding, Accuracy, and Analysis). Achievement of the major competencies is determined by using a four-point scale. The SCC Standard for proficiency is a score of “3- Satisfactory” or “4-Exemplary.” Proficiency is determined by the following rubric guidelines:

Exemplary (4)	Exceeds standard; response is excellent/skilled.
Satisfactory (3)	Meets standard; response is competent/effective.
Below Standard (2)	Approaches the standard; response shows lack of consistent competence.
Unsatisfactory (1)	Below the standard; response is unskilled and insufficient.

QUANTITATIVE LITERACY STANDARDS: The Quantitative Literacy rubric measures the following skills. Students should be able to:

1. Understand ideas in the assignment by:
 - a. identifying appropriate tasks to be performed
 - b. using appropriate methods to complete work
 - c. illustrating a sense of purpose and
 - d. achieving goal(s) of assignment.
2. Accurately perform any necessary calculations by:
 - a. determining information necessary to begin work
 - b. using appropriate formulas or techniques
 - c. showing steps in their work and
 - d. following through to correct results.
3. Be able to analyze information provided to make rational conclusions by:
 - a. interpreting given information correctly
 - b. providing evidence and sound reasoning
 - c. showing connections among concepts and
 - d. communicating findings in a logical and organized manner.

POSSIBLE ASSIGNMENTS: In order for these competencies to be assessed, assignments selected for assessment must provide opportunity for students to demonstrate the desired quantitative literacy outcomes. Assignments demonstrating these competencies could include the following:

- Calculations with meaningful explanations
- Interpretations of quantitative scenarios
- Collection and use of data / data analysis
- Analysis of quantitative procedures
- Interpretations of graphs, etc.