GE Course Self-Review

Area B.4 Mathematics/Quantitative Reasoning

Please use this form to evaluate whether your course follows all GE course requirements, and modify your course to incorporate missing elements.

**GE course:** Click or tap here to enter text.

# GE Syllabus Requirements

Please check that your syllabus meets each of these requirements:

Your syllabus states that the course satisfies GE Area B.4.

If your course requires a prerequisite, it shall include a prerequisite reflective only of skills and knowledge required in the course. Your syllabus lists prerequisites and corequisites, if any.

Your syllabus states that the writing in the course meets the GE writing requirement.

Your syllabus clearly explains how the GE writing requirement will be met.

Your syllabus clearly explains how the GE writing requirement will be assessed.

Your syllabus includes the following required grading statement: “A grade of C- (1.7) or higher is required to meet this General Education requirement. A grade of D+ (1.3) or below will not satisfy this General Education Requirement.”

Your syllabus includes the following link to the student information for course syllabi website: <https://fdc.fullerton.edu/teaching/student-info-syllabi.html>.

# Writing Requirements

Please check that your course meets each of these requirements:

Your course includes student writing appropriate to the course.

The writing in your course involves the organization and expression of complex data or ideas.

The instructor provides careful and timely evaluations of writing so that deficiencies are identified and suggestions are offered for improvement on subsequent writing in the course.

Evaluation of the students’ writing competence is used in determining the final course grade.

# Student Learning Objectives Requirements

Your GE course is required to meet a preponderance of the GE student learning objectives for Area B.4 from UPS 411.201. Please rate how well and explain how each of the objectives below is addressed and assessed in your course. For the rating, use the following scale:

0 - no indication that the course meets the objective

1 - weak indication that the course meets the objective

2 - satisfactory evidence that the objective is met (mostly or entirely)

3 - strong evidence that the objective is met (mostly or entirely)

Students taking courses in subarea B.4 shall demonstrate the abilities to reason quantitatively, practice computational skills, and explain and apply mathematical or quantitative reasoning concepts to solve problems. Students taking courses in subarea B.4 shall

◻ a. Understand and appreciate the varied ways in which mathematics or quantitative reasoning is used in problem-solving.  
Click or tap here to enter text.

◻ b. Understand and appreciate the varied applications of mathematics or quantitative reasoning to real-world problems.  
Click or tap here to enter text.

◻ c. Perform appropriate numerical calculations, with knowledge of the underlying mathematics, and draw conclusions from the results.  
Click or tap here to enter text.

◻ d. Demonstrate knowledge of fundamental mathematical concepts, symbols, and principles.  
Click or tap here to enter text.

◻ e. Solve problems that require mathematical analysis and quantitative reasoning.  
Click or tap here to enter text.

◻ f. Summarize and present mathematical information with graphs and other forms that enhance comprehension.  
Click or tap here to enter text.

◻ g. Utilize inductive and deductive mathematical or quantitative reasoning skills in finding solutions, and be able to explain how these skills were used.  
Click or tap here to enter text.

◻ h. Explain the overall process and the particular steps by which a mathematical or quantitative reasoning problem is solved.  
Click or tap here to enter text.

◻ i. Demonstrate a sense of mastery and confidence in the ability to solve problems that require mathematical concepts and quantitative reasoning.  
Click or tap here to enter text.