

General Education Course Supplement: Mathematics and Quantitative Reasoning

Academic Affairs Committee

- Please fill out form if you are proposing for a current or new course to be considered to become a part of the SUNY General Education Framework for Mathematics (and Quantitative Reasoning).
- You will need to provide an updated Syllabus with this form that indicate that the course:
 - Is a General Education course
 - Includes the language from the Student Learning Outcomes below
- The completed form and syllabus should be submitted to curriculum@esf.edu after receiving all signatures

Contact Information

Proposer name:

Contact email:

Contact phone:

Department:

Course Prefix, Number and Title:

Mathematics (and Quantitative Reasoning) Student Learning Outcomes

For each of the student learning outcomes, please provide please describe how course instruction will be designed to achieve these outcomes. Also please state how you assess that particular student learning outcome in your course.

Either a written narrative in paragraph form or a bulleted list will be accepted. For Mathematics and Quantitative Reasoning the student learning outcomes are:

Students will demonstrate mathematical skills and quantitative reasoning, including the ability to

- *interpret and draw inferences from appropriate mathematical models such as formulas, graphs, tables, or schematics; and*
- *represent mathematical information symbolically, visually, numerically, or verbally as appropriate; and*
- *employ quantitative methods such as arithmetic, algebra, geometry, or statistics to solve problems.*

Student Learning Outcome 1: Interpret and draw inferences from appropriate mathematical models such as formulas, graphs, tables, or schematics.

Course Instruction will be designed to meet this outcome by:

Students will be assessed through:

Student Learning Outcome 2: Represent mathematical information symbolically, visually, numerically, or verbally as appropriate.

Course Instruction will be designed to meet this outcome by:

Students will be assessed through:

Student Learning Outcome 3: Employ quantitative methods such as arithmetic, algebra, geometry, or statistics to solve problems.

Course Instruction will be designed to meet this outcome by:

Students will be assessed through: