



## General Education Committee

### UMSL General Education Committee Request for Consideration for Course Designation as Mathematics, Core

Courses that fulfill this area requirement must assess student skill development in all of the outcomes listed below. This assessment must be evident in syllabus, assignments, and/or grading rubrics describing how each outcome is assessed. Complete this form and submit as instructed below for consideration by the UMSL General Education committee.

**Existing Courses:** Submit this completed template/form and an updated syllabus to the course record in <http://nextbulletin.umsl.edu/courseadmin> and submit for approvals. Courses submitted after December 1 may not receive the approvals in time to be included in the 2021-2022 Bulletin.

**New Courses currently in CourseLeaf queue:** Submit this form and an updated syllabus to Betsy Sampson ([sampson@umsl.edu](mailto:sampson@umsl.edu)) no later than December 1. If the form is not received by this date, the course will be forwarded to the Faculty Senate C&I committee for approval without the General Education designation.

**New Courses not yet in CourseLeaf queue:** Add this form and an updated syllabus to the course record in <http://nextbulletin.umsl.edu/courseadmin> and submit for approvals. Courses submitted after December 1 may not receive the approvals in time to be included in the 2021-2022 Bulletin.

#### About the Course

Course Subject:

Course Number:

Course Title:

Course Description:

#### Mathematics Proficiency Student Learning Outcomes

**Value Statement/Area Definition:** Mathematics Core courses develop an understanding of fundamental mathematical concepts and their applications. A solid foundation in mathematics is very useful in appreciating the role that mathematics plays in disparate contexts such as

securing financial transactions (credit card encryption) to a description of more ethereal things such as music and the structure of the universe.

Indicate how this course addresses and assesses each outcome:

1. **After successful completion of this course, students will be able to** identify the ways in which mathematics occurs broadly in various fields (e.g., art, architecture, botany and music).
2. **After successful completion of this course, students will be able to** evaluate in an informed manner various aspects of financial matters (e.g., mortgages, loans and investments)
3. **After successful completion of this course, students will be able to** organize, analyze and interpret data arising in multiple formats (e.g., graphs, charts, diagrams as they arise within various contexts).
4. **After successful completion of this course, students will be able to** make judgments and draw appropriate conclusions checking for logical consistency, while recognizing the limits of this analysis.  
(Enter here)