

GE CRITERIA APPROVAL FORM

Course Number and Title: Math 150 Calculus I

Faculty member(s) proposing Course: Ivona Grzegorzczuk, Prof. of Mathematics, Nikolaos Diamantis, Assistant Prof. of Mathematics

Indicate which of the following GE would be satisfied by this course by marking an “X” on the appropriate lines. Courses may be placed in up to *two* GE categories as appropriate. Upper Division Interdisciplinary GE courses (UDIGE) may be placed in two GE categories in addition to the UDIGE category.

GE Category	
<input type="checkbox"/>	A1: Oral Communication
<input type="checkbox"/>	A2: English Writing
<input type="checkbox"/>	A3: Critical Thinking
<input type="checkbox"/>	B1: Physical Sciences—Chemistry, Physics, Geology, and Earth Sciences
<input type="checkbox"/>	B2: Life Sciences—Biology
<input checked="" type="checkbox"/>	B3: Mathematics—Mathematics and Applications
<input type="checkbox"/>	B4: Computers and Information Technology
<input type="checkbox"/>	C1: Art
<input type="checkbox"/>	C2: Literature
<input type="checkbox"/>	C3a: Language
<input type="checkbox"/>	C3b: Multicultural
<input type="checkbox"/>	D: Social Perspectives
<input type="checkbox"/>	E: Human Physiological and Psychological Perspectives
<input type="checkbox"/>	Upper Division Interdisciplinary GE
Lab Included? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Please provide a brief explanation of how the proposed course meets *each* of the criteria for the selected GE categories.

- Mathematical modeling in sciences,
- Use of functions, limits, derivatives and integrals in sciences
- Using differential and integral methods in complex scientific contexts, problem solving skills.
- Information use and display, scientific methodologies, modern software applications.
- Abstract mathematical thinking, computational skills.