

Math 2143 - Brief Calculus with Applications – Summer 2018  
Written Assignment Rubric

*Breakdown of your grade for the weekly written assignments. Be sure to submit your thoroughly thought out and neatly written up work through BlackBoard.*

Characteristic	Target	Acceptable	Unacceptable
Understanding of the problem	Showed through graphs, mathematical language, or other means a complete understanding of the problem. <b>+5</b>	Showed enough understanding to begin solving the problem in a logical manner. <b>+3</b>	Misunderstood the problem enough to cause errors in processes used to solve the problem. <b>+1</b>
Strategy chosen and applied	Reasonable strategy selected and developed. Content knowledge is used correctly. <b>+5</b>	Reasonable strategy selected, moderately developed. Content knowledge used appropriately, with minor computation errors. <b>+3</b>	There is an attempt to solve the problem. No strategy is applied that could lead to an answer. Uses no content knowledge or content knowledge with conceptual errors. <b>+1</b>
Calculations performed	Calculated the correct answer. Work shown is logical. Calculations are completely correct and answers properly labeled. <b>+5</b>	Work shown has gaps. Calculations are mostly correct, may contain minor errors. <b>+3</b>	Attempted to solve the problem. A limited amount of work is shown. Calculations are completely incorrect or contain major errors leading to an incorrect answer. <b>+1</b>
Correct answer	Arrived at a correct answer. <b>+5</b>	Arrived at incorrect answer that comes from computation errors. <b>+3</b>	Arrived at incorrect answer or correct answer that comes from conceptual errors. <b>+1</b>
Explanation of problem solving strategy	Adequately explained the answer. Exemplary explanation. Detailed and clear, examples may have been provided. <b>+5</b>	Adequately explained the strategy but did not calculate the correct answer. Explanation contained adequate details and clarity. <b>+3</b>	Attempted an explanation, but incorrect or unclear. Lacks details. Unable to describe the consequences of a solution to this problem. <b>+1</b>
Communication	Uses mathematical language, graphs, and other items, appropriately. Solution is presented in a clear and orderly manner so the reader can follow the flow of the solution and final answer. <b>+5</b>	Uses mathematical language, graphs, and other items, correctly, but may contain transcription or computational errors. Solution is presented in a manner so the scorer can follow most of the steps in the solution and final answer. <b>+3</b>	Uses little or no mathematical language, graphs, or other methods to communicate. Presents the problem in an unclear manner, steps are missing or out of sequence. Scorer has difficulty following the sequence of steps. <b>+1</b>