MATH 120 - Calculus I Course Outline

Approval Date: 03/10/2022
Effective Date: 08/12/2022

SECTION A

Unique ID Number	CCC000561098
Discipline(s)	Mathematics
Division	Mathematics
Subject Area	Mathematics
Subject Code	MATH
Course Number	120
Course Title	Calculus I
TOP Code/SAM Code	1701.00 - Mathematics, General / E - Non-Occupational
Rationale for adding this course to the curriculum	COR update.
Units	5
Cross List	*N/A*
Typical Course Weeks	18

Total Instructional Hours

	Contact Hours
Lecture	90.00
Lab	0.00
Activity	0.00
Work Experience	0.00
Outside of Class Hours	180.00

Entirely Online
Online with Proctored Exams

SECTION B

General Education Information:

SECTION C

Course Description

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3. Course Content

1) Definition and computation of limits using numerical, graphical, and algebraic approaches;
2) Continuity and differentiability of functions;
3) Derivative as a limit;
4) Interpretation of the derivative as: slope of tangent line, a rate of change;
5) Differentiation formulas: constants, power rule, produc

6. Assignments: State the general types of assignments for this course under the following categories and provide at least two specific examples for each section.

    A. Reading Assignments
       Read sections from the text, for example: