



# Course Competency Report by Code

Code: C282

## Calculus I (C282)

Course of Study: C282 - Calculus I  
Course Level: Undergraduate  
Course Division: Lower Division Major  
Discipline: Mathematics  
Course Type:  
Department: Mathematics

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
209.6.1	Problem Solving in Calculus	The graduate applies the principles and techniques of differential calculus to solve problems, model real-world data, and make predictions in mathematics and the sciences.
209.6.2	Limits	The graduate demonstrates a conceptual understanding of limits and finds limits of functions.
209.6.3	Continuity	The graduate demonstrates a conceptual understanding of and solves problems involving continuity, and defines the relationship of continuity to differentiability and integrability.
209.6.4	Differentiation	The graduate demonstrates a conceptual understanding of differentiation and applies differentiation techniques to solve problems and aid in function graphing.
209.6.5	Applied Differentiation	The graduate applies differentiation in various ways to solve problems.