MATH 1830 Competencies

The student will be able to:

- 1. Find Limits
- 2. Know and use the definition of the derivative.
- 3. Know and apply rules for differentiation.
 - A.Basic rules B.Product,quotient and power function C.Exponential D.Logarithmic
- 4. Solve applications using differentiation
 - A. Find extrema
 - B. Find points of inflection
 - C. Do Optimization
- 5. Find antiderivatives and do integration of the basic functions.
 - A. Perform indefinite integration
 - B. Perform definite integration
- 6. Do integration by parts.
- 7. Solve applications using integration
 - A. Find area
 - B. Find Consumer's Surplus and Producer's Surplus

Proficiency level: Greater than or equal to 60% as measured by written tests.