

In Math 1100, students learn how to:

- Conceptualize limits.
- Differentiate and integrate polynomial, rational, logarithmic, and exponential functions.
- Use derivatives to gather information about the shape of the curve and use that information to graph the curve $y = f(x)$, for polynomial, logarithmic, exponential and simple rational functions.
- Use differentiation to optimize functions for business applications, such as maximizing profit examples.
- Use integration to find area under curves and for business examples such as average value.
- Take partial derivatives of basic functions of two variables.