EFFECTIVE: SEPTEMBER 2004
CURRICULUM GUIDELINES

A.	Division:	**Instructional**	Effective Date:	**September 2004**
B.	Department / Program Area:	**Science and Technology**	Re	

3. Inverse Functions: Exponential, Logarithmic and Inverse Trigonometric Functions
    - definitions, properties, and graphs
    - differentiation of logarithmic and exponential functions (any base)
    - applications to graphing, extrema, related rates
    - logarithmic differentiation
    - growth and decay problems
    - differentiation of inverse trigonometric functions
    - applications to graphing, extrema, related rates
    - limits involving combinations of exponential, logarithmic, trigonometric, and inverse trigonometric functions
    - L'Hôpital's rule

4. Graphing and Algebraic Functions
    - increasing and decreasing functions
    - local extrema
    - Rolle's Theorem and Mean Value Theorem
    - curve sketching
    - concavity; inflection points