



Mendocino College

COURSE LEVEL STUDENT LEARNING OUTCOMES

Term Effective: Spring 2008
Semester Year

Title: Calculus For Business And Economics
(limit to 50 characters including spaces)

Course Number: MTH 230

Initiator: Roger Ahders

Date Submitted: 11/20/2007

Units Min: 3.00

If this is a variable unit course, then the relationship between units and any difference in expected SLO's should be explained.

Units Max: 3.00

Lecture Hours: 3.00 to 3.00

Lab Hours: 0.00 to 0.00

Activity Hours: 0.00 to 0.00

Student Learning Outcomes: *(Enter the SLO's in an outline format. Use the Ctrl + Tab keys to indent for subtopics.)*

- Comprehend the interaction of the revenue, cost, and profit functions, and apply the concepts of marginality and optimization to these functions.
- Understand the theory of demand and supply curves, and be able to compute equilibrium points, producers' surplus, and consumers' surplus.
- Use and construct objective and constraint equations, and carry out optimization calculations using the first and second derivative rules.
- Be familiar with exponential functions as applied to population and investment, and be able to answer numerical questions involving doubling time, present value and other related concepts.
- Know the form and meaning of the elasticity of demand function, and be able to calculate elasticity and interpret its implications for price manipulation.

SIGNATURES / APPROVALS:

Instructor(s)

Signature

Date

Instructor(s)

Signature

Date