MATH 1071Q - SPRING 2011
Calculus for Business and Economics

Instructor
Ushani Dias kariyawasam.dias@uconn.edu

Text Book
Calculus, Applications and Technology, 3rd edition by Edmond Tomastik, Brooks/Cole Publishing (ISBN: 9780534219109)

Office hours
Monday from 10.00 a.m. - 12 noon and Friday from 10.00 a.m - 11.00 a.m. in MSB 229 or by appointments

Classroom supplements: For each lesson, I'll be giving some printed notes which are made by one of the MATH 1071Q coordinators. Please try to read the notes before each lesson, which will help you to understand the concepts well as well as help me to discuss more examples during the class time.Use the textbook as the main study tool.

Coordinator: Prof. Stephen Miller smiller@math.uconn.edu

Coordinator's website: http://poibella.org/math1071s11/

Homework & Quizzes: There will be quizzes each Friday based on homework assignments posted on the coordinator's website. A missed quiz is a failed quiz and there will be no makeup quizzes. It will be VERY difficult to do well in this course without doing the homework. Since mathematics is learned best through active engagement, you are strongly encouraged to participate during class, to research relevant material and to master all assigned exercises. Please check the coordinator's website for suggested exercises questions and try to finish the questions before each quiz.

Grading Policies: The final grade will be based on the following.

25% - Examination #1(2/23/11)
25% - Examination #2(3/30/11)
35% - Final Examination (TBA)
15% - Quizzes

Exams: You must plan your travel arrangements around examination dates. The only valid excuses for missing an exam are a family-related crisis or a serious health problem. If this is the case, you will need a letter from the appropriate Dean or University Health Services official.

Examination #1 - Wednesday 23 February, 2011
Examination #2 - Wednesday 30 March, 2011
Final - TBA

Calculator Policy: Calculators are forbidden during both quizzes and examinations.

Q Center: The Q-center also offers free tutoring for this course. The Q-center staffs regular hours on Level 1 of the Homer Babbidge Library: 1p.m-11p.m Sunday, 11a.m-11p.m Monday-Thursday.

Syllabus

- Quiz #1 (1/26) Sec 1.0 to 1.5 : Functions, Graphs, Exponentials and Logarithms
- Quiz #2 (2/4) Sec 3.0 to 3.2 : Limits and Rates of Change
- Quiz #3 (2/11) Sec 3.3, 4.1 : Introduction to the Derivative.
- Quiz #4 (2/18) Sec 5.1, 5.2 : Graphing with First and Second Derivatives.
- **Exam #1 (2/23) : Limits and Derivatives**
- Quiz #5 (3/4) Sec 4.2, 4.3 : The Product Rule and Chain Rule for Differentiation.
- Quiz #6 (3/18) Sec 5.3, 5.4 : Graphing with Asymptotes.
- Quiz #7 (3/25) Sec 5.5, 5.6 : Extrema and Optimization.
- **Exam #2 (3/30) : Graphing and Optimization.**
- Quiz #8 (4/8) Sec 6.1, 6.2 : Antiderivatives.
- Quiz #9 (4/15) Sec 6.4, 6.5 : Definite Integrals and the Fundamental Theorem of Calculus.
- Quiz #10 (4/22) Sec 6.6 : Area Between Curves.
- Quiz #11 (4/29) Sec 1.3, 5.7 : Exponential and Logistic Models.
- **Cumulative Final Exam (TBA) : Derivatives, Integrals and Applications.**