Fall 2015
Instructor: C. M. Staniunas

Math 111 Mathematical Models for the Management Sciences

Note: Students who have received credit for Math 112 or higher may not take this course. Students must receive a C or better in Math 111 or INQ 240 to declare a major in Business Administration.

Office: 161 D Trexler Hall

Office hours: MWF 9:30-1pm , TTh 11:40am-1pm

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Course Objective: to provide the background in the quantitative techniques necessary to better understand more advanced courses in Business and Economics.

Learning Outcomes: Upon completing this course, the student will be able to:
 Solve linear equations in one or more variables
 Solve applied problems using linear equations
 Solve systems of linear equations using graphing,
  substitution, elimination, or matrix methods
 Solve quadratic functions and use them in applications
 Solve systems of linear inequalities in two variables
 Use graphical methods and the simplex method to solve
  linear programming problems
 Find the derivatives of functions
 Use derivatives in business applications

Text: Mathematical Applications for the Management, Life, and Social Sciences , tenth edition, by R. Harshbarger and J. Reynolds .

Calculator Requirement: All students will need a graphing calculator for this course, preferably a TI-83 or TI-84
Other electronic devices Turn off the cell phone. Shut the laptop. Turn off the PDA. Put the iPod away.

Tentative	**Test Schedule**
Test 1	Sept. 23
Test 2	Oct. 14
Test 3	Nov. 11
Final Exam	Fri. Dec 18, 8:30 am

If illness or family emergency causes you to miss a test, notify me. You'll be expected to take it as soon as possible, preferably within 48 hours

Subject Tutoring is a CRLA Nationally Certified Program located on the lower-level of Fintel library in room 005.

Subject Tutoring offers individual appointments in 30-minute intervals for Lab Sciences, Modern Languages, Math & CPSC, Social Sciences, and Business & Economics. Hours are Sunday - Thursday 4 p.m. - 9 p.m. There is also walk-in tutoring available. For a list of tutorials or to make an appointment, go to www.roanoke.edu/tutoring.

The Office of Disability Support Services, located in the Goode-Pasfield Center for Learning and Teaching in Fintel Library, provides reasonable accommodations to students with identified disabilities. Reasonable accommodations are provided based on the diagnosed disability and the recommendations of the professional evaluator. In order to be considered for disability services, students must identify themselves to the Office of Disability Support Services. Students requesting accommodations are required to provide specific current documentation of their disabilities. Please contact Rick Robers, M.A., Coordinator of Disability Support Services, at 540-375-2247 or e-mail robers@roanoke.edu Also, please note that arrangements for extended time on exams, testing, and quizzes in a distraction-reduced environment must be made at least one week *before every exam*.

Grading Policy:
Homework and quizzes 15%
Tests   20% each
Final exam   25% it IS comprehensive
Your final grade will be computed using the percentages above. Grades will be assigned thus:

A 93-100	B- 80-82	D+ 67-69
A- 90-92	C+ 77-79	D 63-66
B+ 87-89	C 73-76	D- 60-62
B 83-86	C- 70-72	F under 60

Attendance Policy: If you miss four hours of class after the add date, you may be dropped from the course OR have one point deducted from your final grade for each absence after four. If indulgence in alcohol causes you to miss more than one class, the number for AA is 343-685
You are expected to spend 12 hours per week working for this class (3 hours in class, 9$^+$ hours outside of class).
One of your assignments will be to attend one of the MCSP colloquia and complete a reaction form about what you learned. I'll provide a schedule as soon as possible.

Academic Integrity: You are expected to be familiar with the Academic Integrity Code outlined in the booklet Academic Integrity at Roanoke College. In this class, you shall not cheat on tests. **You may not collaborate with anyone on tests, quizzes, or any assignment with the words "work independently" on it.**