Fall 2017
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 9:40-10:40am and 12-1 pm
TTh 10:00am-noon

Phone: 375-2010, e-mail: staniuna@roanoke.edu

Course Objective: to provide the background in the quantitative techniques necessary to better understand 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 NO!

| Tentative | Test Schedule |
|-----------|---------------|
| Test 1 | Sept. 20 |
| Test 2 | Oct.  11 |
| Test 3 | Nov.  8 |
| Final Exam | Fri. Dec 15, 8:30 am |

If illness or family emergency causes you to miss a test, notify me. You will be expected to take it as soon as possible, preferably within 48 hours Also, please note that arrangements for extended time on testing in a distraction-reduced environment must be made at least one week *before every test*.

**Subject Tutoring** is an Internationally Certified Tutoring Center through the College Reading and Learning Association (CRLA).  Our highly trained staff offers individual tutoring appointments for the following subjects: Business, Economics, Mathematics, Modern Languages, Lab Sciences & Social Sciences. Subject Tutoring is located on the lower level of Fintel Library in room 05 from 4-9 p.m. Sun.-Thurs. Students can logon to make an appointment at www.roanoke.edu/tutoring  in 15, 30 or 45 minute intervals. For questions or concerns, please contact Shannon McNeal at 540-375-2247 or mcneal@roanoke.edu.

**The Office of Disability Support Services (DSS)**, is located in the Goode-Pasfield Center for Learning and Teaching in **Fintel Library**. DSS provides reasonable accommodations to students with documented disabilities. To register for Disability Support Services, students must self-identify to the Office of Disability Support Services, complete the registration process, and provide current documentation of a disability along with recommendations from the qualified specialist. Please contact JoAnn Stephens-Forrest, MSW, Coordinator of Disability Support Services, at 540-375-2247 or e-mail her at: stephens@roanoke.edu to schedule an appointment. If you have registered with DSS in the past, and would like to receive academic accommodations for this semester, please contact Ms. Stephens-Forrest at your earliest convenience, to schedule an appointment.

Grading Policy:
Average of homework, classwork, quizzes   15%
Tests                                                              20% each
Comprehensive Final exam                      25%
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.
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 will 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 or quizzes or collaborate on any assignment having the words "work independently" on it.