Math 19  Course Information  
Fall 2016  
Instructor:  Karla Karstens  
Office: Lord House Room 302 (16 Colchester Ave.)  
Phone: 656-8543  
e-mail: kkarsten@uvm.edu or Karla.Karstens@uvm.edu  
Webpage: http://www.cems.uvm.edu/~kkarsten/math19/  
Office hours: MW 1:10 – 2:00 p.m.  TTH 1:15 – 2:30 p.m.  Other times by appointment  
Text: Calculus with Applications by Lial, Greenwell, Ritchey, 11th edition  

Course Goals  
- Determine the appropriate mathematical approach for a given informational need and use it correctly and accurately.  
- Demonstrate an understanding of the fundamental aspects of differential calculus including functions, limits and derivatives.  
- Recognize and apply the ideas of calculus in economics, business, physics, natural resources and other areas of study.  

Quizzes: There will be an in-class quiz most Fridays.  THERE WILL BE NO MAKE UP QUIZZES! I will drop your two lowest quiz scores when calculating your quiz average.  

My Math Lab: Code: karstens43677 There will be a brief on-line assignment which will complement each section of the book that we cover. Each assignment will be made available on the day that a section is covered, and you must complete the assignment within a specified period. Plan accordingly and stay on top of My Math Lab. You can complete MyMathLab assignments after the due date but your grade will be reduced. Your two lowest My Math Lab homework grades will be dropped.  

Tests: There will be three hour tests and a Final Exam for this course. Make-up tests are possible if there has been adequate notice, but should not be assumed. Students with special needs are responsible for talking to me about necessary arrangements for any accommodations.  

Religious Holidays and ACCESS: Please let me know of your needs in these areas.  

Academic Honesty:  Violations of Academic Honesty, such as copying, plagiarizing, and storing information will not be tolerated. The rules are clear and the consequences are stiff.  

Grading:
10% Homework Quiz Average  
60% 3 Tests, each worth 100 points  
10% MyMathLab  
20% Final Exam  

Course Content:
Chapter 1 Linear Functions  
Chapter 2 Nonlinear Functions  
Chapter 3 The Derivative  
Chapter 4 Calculating the Derivative  
Chapter 5 Graphs and the Derivative  
Chapter 6 Applications of the Derivative  
Chapter 13 The Trigonometric Functions  

Course Outline:  
M August 29 Chapter 1 - 2  
W August 31 Chapter 1 - 2  
F September 2 Chapter 1 - 2  
M September 5 Labor Day Recess  
W September 7 Chapter 1 - 2  
F September 9 Chapter 1 - 2
M September 12  Chapter 1 - 2
W September 14  Chapter 1 - 2
F September 16  Chapter 1 - 2

M September 19  Chapter 1 - 2
W September 21  Test 1 Review
F September 23  Test 1

M September 26  Chapter 3 - 4
W September 28  Chapter 3 - 4
F September 30  Chapter 3 - 4

M October 3  Chapter 3 – 4
W October 5  Chapter 3 – 4
F October 7  Chapter 3 – 4

M October 10  Midterm Recess
W October 12  Chapter 3 – 4
F October 14  Chapter 3 – 4

M October 17  Chapter 3 – 4
W October 19  Test 2 Review
F October 21  Test 2

M October 24  Chapter 3 – 4
W October 26  Chapter 3 – 4
F October 28  Chapter 3 – 4

M October 31  Chapter 5 – 6
W November 2  Chapter 5 – 6
F November 4  Chapter 5 – 6

M November 7  Chapter 5 – 6
W November 9  Chapter 5 – 6
F November 11  Chapter 5 – 6

M November 14  Chapter 5 – 6
W November 16  Test 3 Review
F November 18  Test 3

M November 21  Thanksgiving Recess
W November 23  Thanksgiving Recess
F November 25  Thanksgiving Recess

M November 28  Chapter 5 – 6
W November 30  Chapter 5 – 6
F December 2  Chapter 13

M December 5  Chapter 13
W December 7  Chapter 13/Final Exam Review
F December 9  Final Exam Review

Final Exam:  Friday, December 16  10:30 a.m. – 1:15 p.m.