Course Outline

Mark Leckband, Ph.D.
Associate Professor,
Department of Mathematics
Florida International University

Office Hours: 9:30-11:00, 4:00-4:30 Tuesday & Thursday AC1 375A
e-mail: leckband@fiu.edu
Phone: 305-919-5860

Textbook(s): Calculus, Early Transcendentals, 9th Edition [Hardcover] by
Howard Anton, Irl Bivens, and Stephen Davis
(or) Single Variable Calculus, Early Transcendentals, 9th Edition [Either Hardcover or Paperback] by Howard Anton, Irl Bivens, and
Stephen Davis

Online solution manual: Go to “w3.fiu.edu/math/”. Click on “Calculus
online resources”, then “Complete Solution Manual”. Username: math
password: calculus.

Grading scheme: There will be 2 Tests that are 100pt each. A
comprehensive Final Exam that is 150 points. Homework will be assigned
but not graded. Instead there will be about one quiz per week throughout the semester. The quizzes will be graded. A Quiz Score
between 0 and 100 points will be assigned to be added to the test and
final scores. There will be no make-ups.

Grades will be assigned according to a percentage of the possible
maximum 450 points. The scale will roughly be A-90%, B-80%, and C-70%.

Course material:

Chapter 0: FUNCTIONS
  Sections 0.1-0.5. (roughly 2 lectures)

Chapter 1: LIMITS AND CONTINUITY
  Sections 1.1-1.6. (roughly 5 lectures)

Chapter 2: THE DERIVATIVE
  Sections 2.1-2.6. (roughly 4 lectures)

Chapter 3: TOPICS IN DIFFERENTIATION
  Sections 3.1-3.6 (roughly 4 lectures)

Chapter 4: THE DERIVATIVE IN GRAPHING AND APPLICATIONS
  Sections 4.1-4.5 and 4.8. (roughly 6 lectures)

Chapter 5: INTEGRATION
  Sections 5.2 and 5.3. (roughly 2 lectures)

Chapter 10: PARAMETRIC AND POLAR CURVES; CONIC SECTIONS
  Section 10.1 (roughly 2 lectures)