CALCULUS 2 (MATH 2260)   FALL 2014

INSTRUCTOR: DANIEL KRASHEN

BASIC COURSE INFORMATION
- Lectures: TuTh 12:30am-1:45pm, Hardman Hall 102
- Recitation: W 12:20am-1:10am, Boyd Graduate Studies 303
- Office Hours: TBA
- Office Phone: 706-542-2555
- Email: dkrashen@uga.edu
- Course Webpage: http://dkrashen.github.io/calc2/
- Textbook: *University Calculus*, Hasse, Weir, Thomas (2nd edition)
- Other resources: *University Calculus*, Hasse, Weir, Thomas (1st edition); *Funny Little Calculus Text*, Ghrist; *Coursera Course - Calculus: Single Variable*; Ghrist; Penn Calc WIKI

COURSE OBJECTIVES/TOPICS
(1) Integration
   (a) review of integration, u-substitution
   (b) further techniques of integration: parts, trig identities and trig substitutions, partial fractions
   (c) applications of integration: areas, volumes, arclength, work
   (d) improper integrals
(2) Sequences and Series
   (a) limits, convergence
   (b) tests for convergence: integral, comparison, ratio, root
   (c) power series, Taylor and Maclaurin series
(3) Vectors

GRADING POLICY
- 3 Mid-semester exams worth 20% each (Tentative Dates: Sep 18, Oct 16, Nov 13)
- Homework worth 15% (lowest 2 scores are dropped),
- Final exam (Dec 11, 12-3pm) worth 25%.

ACADEMIC HONESTY

As a University of Georgia student, you have agreed to abide by the Universitys academic honesty policy, A Culture of Honesty, and the Student Honor Code. All academic work must meet the standards described in A Culture of Honesty found at: http://ovpi.uga.edu/academic-honesty. Lack of knowledge of the academic honesty policy is not a reasonable explanation for a violation. Questions related to course assignments and the academic honesty policy should be directed to the instructor.

The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.