

# Syllabus For Math 640:122:02

Spring, 2009 at Rutgers-Camden

**COURSE TITLE:** Unified Calculus II

**TEXT:** Calculus (First Edition), by Jon Rogawski, W. H. Freeman and Company, 2008.

**COURSE DESCRIPTION:** This four-credit course is the second of the three-course Unified Calculus series. We will cover Chapters 7-12 of the textbook. Topics include: Exponential and logarithmic functions, L'Hôpital rule; techniques of integration; applications of integrals, Taylor polynomial; introduction to differential equations; infinite series; parametric equations, polar coordinates, and conic sections.

**COURSE INFORMATION:**

- Instructor: Siqu Fu
- Office: BSB 428
- Office hours: MW 11:30-1:00 and by appointments
- Phone: (856) 225-2349.
- E-mail: [sfu@camden.rutgers.edu](mailto:sfu@camden.rutgers.edu)
- Web page: <http://crab.rutgers.edu/~sfu/>
- Lectures: MW 10:10-11:30, F-242; Recitations: T: 1:30-2:25, Th: 1:30-2:25, or F: 1:45-2:40, F-240.

**GRADING POLICY:** There will be two midterm tests and a comprehensive final exam. There will also be several quizzes and/or homework assignments.

- Attendance, Participation, Quizzes, and Homework—15%
- Midterm I—25%
- Midterm II—25%
- Final—35%

Dates for homework assignments and exams will be announced in class. Besides the regular lectures, you must also sign onto one of the recitations. Attendance is mandatory.