

Math 251:25-27 (MULTIVARIABLE CALCULUS) Fall 2013

General Information

Course topics: This course extends the ideas of previous calculus courses to functions which depend on more than one variable or have outputs in more than one dimension. It will cover analytic geometry of three dimensions, partial derivatives, optimization techniques, multiple integrals, vectors in Euclidean space, and vector analysis.

Textbook: *Jon Rogawski, Calculus (Early Transcendentals), W. H. Freeman and Co, 2nd ed., 2011*

Departmental Webpage: <http://www.math.rutgers.edu/courses/251/>

Lectures:

Lecturer: Las Goonetilleke

Time and Location: MW 3:20P-4:40 LSH-A142 LIV

Office Hours: W 1 – 2 PM at Hill Center 611, MW 6:30-7:30 PM at room 102B in LSH-B

E-mail address: las.goonetilleke@rutgers.edu

Web site: www.math.rutgers.edu/~lcg71/

Recitations:

Instructor: Nathan Fox

Times and Locations: Please consult your schedule.

Office Hours: TTh 3:20 – 4:20 at Hill Center 535

E-mail address: fox@math.rutgers.edu

Web site: www.math.rutgers.edu/~nhf12/

Course Components:

Homework: Homework from Wednesday (previous week's), and Monday lessons are due on Thursday.

Quizzes: A quiz from Wednesday (previous week's), and Monday lessons will be given on Thursday. Quizzes cannot be made up; however the 3 lowest quizzes will be dropped.

Maple Labs: There are 4 graded Maple labs, as well as an ungraded Lab 0. Information for the Maple labs can be found on the course webpage. The due dates are: Lab1 on 10/02, Lab 2 on 10/16, Lab 3 on 10/30, and Lab 4 on 11/20.

Midterms: There will be two in class exams on 10/14 and 11/18.

Final: Date, time and the location to be announced.

Course Policies:

Calculators: Calculators may not be used during quizzes and examinations.

Absences: You are expected to attend every class. An absence due to an emergency may be excused: you need to provide acceptable written evidence, and you need to notify the lecturer and the recitation instructor as soon as possible.

Grading: Midterms - 40%, Final - 30%, Maple labs - 10%, Quizzes - 10%, Homework - 10%