

**Course:** MATH 231-02, Multivariable Calculus, Spring 2014

**Time:** MWF 2:30 – 3:20 p.m., King 241

**Instructor:** Michael Raney

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**Office hours:** T 3:00 – 4:00 p.m., W 9:30 -- 10:30 a.m., R 3:00 – 5:00 p.m., or by appointment

**Textbook:** Colley, *Vector Calculus*, 4rd edition, Prentice Hall (2011).

**Course overview:** This course provides an introduction to the calculus of several variables. Topics considered include vectors and solid analytic geometry, multidimensional differentiation and integration, and a selection of applications.

**Prerequisite:** MATH 134.

**Homework:** Homework will be collected approximately once per week. You will be given handouts containing reading assignments and both practice problems and problems to be collected. You are encouraged to try as many of the practice problems as it takes to ensure that you understand the material. You may work with other members of the class on all homework problems, but not to the extent that you simply copy another's work. Please note that *late assignments will not be accepted*.

**Exams:** There will be three midterm exams and a final exam. The first midterm exam will be due Friday, March 7. The second midterm exam will be due Friday, April 25. The final exam will take place on Saturday, May 17 from 7:00 – 9:00 p.m. Please let me know if there is a problem with any of these dates.

**Grading scheme:** Your homework average constitutes 25% of your overall course average. Each midterm exam is worth 20%, and the final is worth 35%.

**Honor System:** You are urged to review the Honor Code and Honor System at <http://www.oberlin.edu/students/links-life/rules-regs.html#honor>. You will be expected to adhere to the Honor Code and Honor System with respect to all of your work in this class.

**Disabilities:** Students with documented disabilities are encouraged to contact me so that reasonable accommodations may be made.