

**Course:** MATH 131-02, Calculus Ia, Fall 2012

**CRN:** 2684

**Time:** MWF 10:00 – 10:50 a.m., Lewis 201

**Instructor:** Michael Raney

**Office:** King 204

**Phone:** 775-5706

**Email:** [mraney@oberlin.edu](mailto:mraney@oberlin.edu)

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

**Textbook:** Stewart, *Single Variable Calculus*, 7th edition, Thomson Brooks/Cole (2011). We will be covering Chapters 1-3 of this text.

**Prerequisite:** An appropriate score on the Calculus Readiness Exam. Note that the two-course sequence MATH 131, MATH 132 is equivalent to the more intensive MATH 133.

**Course overview:** This course serves as an introduction to differential calculus, which is largely concerned with the problem of defining and computing the derivative, or slope, of a curve. We will see many fruitful applications of this revolutionary (17<sup>th</sup> century) idea! Along the way we will review concepts from algebra, trigonometry and precalculus as needed.

**Homework:** Homework will be collected approximately once per week. You will be given handouts (on Blackboard) 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*. If you anticipate that there may be a justifiable obstacle (such as a verifiable illness) that will prevent you from finishing an assignment on time, then contact me *before* the assignment is due so that we can work something out. I will drop the lowest homework assignment percentage when calculating your course homework component.

**Exams:** There will be three midterm exams and a final exam. The midterm exams will occur on Friday, September 28, Wednesday, October 31, and Wednesday, November 28. The cumulative final exam will take place on Thursday, December 20 from 2:00 – 4:00 p.m. Please let me know if there is a problem with any of these dates.

**Grading scheme:**

Homework: 20%

Midterm 1: 17%

Midterm 2: 17%

Midterm 3: 17%

Final Exam: 29%

**Letter grade percentages:**

A 94-100

A- 90-93

B+ 86-89

B 82-85

B- 78-81

C+ 74-77

C 70-73

C- 66-69

D 60-65

F 0-59

**Honor System:** You are urged to review the Honor Code and Honor System at <http://new.oberlin.edu/students/policies/#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.