MTH 2310-02 Course Information  
Fall 2014

**SCHEDULE:** MWF 10:10-11:05, 145 MS; R 9:30-10:50, 270 MM  
**INSTRUCTOR:** Dr. Richard Mercer  
**OFFICE:** 236 MM, 937–775–2191  
**EMAIL:** richard.mercer@wright.edu  
**HOME PAGE:** http://www.wright.edu/~richard.mercer/  
**TEXTS:** *Calculus: Concepts and Contexts, 4th* Ed, Stewart  
**OFFICE HOURS:** MW 1:30-2:30 (except Mondays Oct 6, Nov 3, Nov 24)  
**PREREQUISITE:** MTH 2300

**Homework:** Homework assignments will consist of text and laboratory assignments. Many of the problems from both sources require written answers; in such problems you must write in complete sentences. Homework will be collected in class on Thursdays; alternatively homework may be placed in the box on my office door before class. Any homework submitted after class on Thursday will be considered late. DO NOT submit homework to the department office; if you do it will not receive credit. Late homework will not receive credit without prior arrangement.

*Important:* Each student must work problems from the text individually, but laboratory reports should be prepared jointly by lab partners. If you do not have a lab partner or were unable to work together on the report, then you must write the lab report yourself.

**Laboratory:** On Thursdays we will meet in 270MM which is a computer laboratory. Laboratory attendance is required; there will be a sign-in sheet for each lab session. The following week a laboratory report (i.e. solutions) is due as part of your homework assignment.

**Calculators:** Each student in Calculus II is required to have a graphing calculator. If you already have *any* graphing calculator, you do *not* need to buy a new one for this class.

**Exams:** There will be midterm exams on Thursday, October 2, and Thursday, November 6. The final exam will be given during the Mathematics Common Final period assigned by the Registrar’s Office, which is 2:45-4:45 on Monday, December 8. All exams will be closed book, and you should bring your graphing calculator and a picture ID.

**Grades:** The final exam counts for 30% of your grade. The midterm exams count for 20% each. Homework and lab reports together count for 20% and projects 10%. Your lowest weekly homework + lab score will be discarded. You will be permitted to miss one laboratory session with no penalty, but additional laboratory absences will count against your grade. I reserve the right to give a grade no higher than your highest exam grade.

**Web Site:** Information on this class, including homework assignments, can be accessed through my home page (see above).

**Important Dates:**
- Holiday (Labor Day): Monday, September 1
- Last day to drop without a grade: Sunday, September 21
- Midterm Exam: Thursday, October 2
- Last day to drop with a grade of W: Sunday, October 26
- Holiday (Thanksgiving): Wed Nov 26 – Fri Nov 28
- Midterm Exam: Thursday, November 6
- Last day of class: Friday, December 5
- Final Exam: Monday, December 8

For further information, see the academic calendar at [http://www.wright.edu/registrar/academic-calendars](http://www.wright.edu/registrar/academic-calendars)

**Course Goals:**
1. Learn the concepts, techniques, and applications of integration, series, and vectors.
2. Learn to communicate mathematics in speech and writing.
3. Gain experience and problem solving skills in both independent and group situations.
4. Gain experience in appropriate use of technology.
WSU Core:
MTH 2310 is an option for Element 2 of the Wright State Core.
According to the goals of Element 2, after taking this course, students should be able to
a. Identify the various elements of a mathematical or statistical model.
b. Determine the values of specific components of a mathematical/statistical model or relationships among various components.
c. Apply a mathematical/statistical model to a real-world problem.
d. Interpret and draw conclusions from graphical, tabular, and other numerical or statistical representations of data.
e. Summarize and justify analyses of mathematical/statistical models for problems, expressing solutions using an appropriate combination of words, symbols, tables or graphs.