

Course Description
MAT 2010, Section 002 (CRN 21482)
Winter 2008
Dan Isaksen
Wayne State University

Objectives and Philosophy: The objective of the course is to understand the basic principles of calculus, including both derivatives and integrals. There will be an emphasis on problems, examples, and computations.

The secrets to success in this course are:

- Do your homework.
- Come to class and pay attention.
- Read the textbook.

Class Meetings: The class meets Monday, Tuesday, Wednesday, and Friday 8:30–9:25AM in 219 STAT, except for official university holidays. There will be no class on Monday January 21, and on March 10 through March 14.

The final examination is scheduled for Thursday April 24, 1:20–3:50PM.

Prerequisites: In order to take this class, you must have:

- passed MAT 1800 with a grade of C- or better in Spring/Summer 2007 or in Fall 2007 at Wayne State, or
- received an acceptable score on a Wayne State mathematics placement exam after May 1, 2007.

Text: The required text is James Stewart: *Calculus: Early Transcendentals, 6e*: ISBN 0495011665. We will cover most of Chapters 1 through 5. The same text is used in MAT 2020 and MAT 2030.

Contacting Me: E-mail: isaksen@math.wayne.edu. Office phone: 313-577-2491.

Office Hours: FAB 1195, Monday 9:30–10:30AM and Wednesday 10:30–11:30AM.

Online information: All information for this course, including the content of this sheet, will be posted at

<http://www.math.wayne.edu/~isaksen/Teaching/Courses/W08-2010>

Calculators: You will need a graphing calculator, although this course will not rely heavily on calculators. Suggested models include the TI-85, TI-86, HP-48G, HP-48G+, or HP-48GX. The math department supports these calculators by supplying free handouts.

More powerful calculators, such as the TI-89, TI-92, or HP-49G, will not be allowed on exams. Less powerful calculators, such as the TI-81, TI-82, TI-83, or HP-38G, are allowed.

If your calculator is not listed here, please ask me about it.

Examinations: There will be six in-class midterm exams, every second Friday at first. There won't be any late or early exams, for any reason. Exam problems will be based on (but not necessarily identical to) assigned homework, examples done in class, and examples worked out in the textbook.

The exam dates are:

Friday January 18

Friday February 1

Friday February 15

Friday February 29

Friday March 28

Friday April 18

The final exam date is Thursday April 24, 1:20-3:50pm.

Grading: Each midterm examination is worth 80 points. Each student's lowest midterm score will be dropped. Taken together, these exams are worth 400 points.

The final examination is worth 200 points. In order to earn at least a C-, your final exam score must be at least 100.

The grading scale, out of 600 points, is:

A/A- 540–600

B+/B/B- 480–539

C+/C/C- 420–479

D+/D/D- 360–419

F 0–359

Homework: Homework problems are assigned at each lecture. Students are expected to complete each assignment before the next class meeting. Homeworks will not be collected or graded. We will regularly discuss homework problems in class.

Collaboration in small groups is permitted and encouraged. However, it is important to practice doing problems by yourself because this is the way that you will be tested.

Extra Help: The Mathematics Resource Center, located in FAB 1198, provides free high-quality tutoring by mathematics majors who are experts in the course material for MAT 2010. The MRC is a great place to do your homework.