

Course Description  
MAT 2010  
Fall 2009  
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, except for official university holidays. There will be no class on Monday September 7 and Friday November 27.

The final examination is scheduled for Thursday December 17, 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 Winter 2009 or Spring/Summer 2009, or
- received an acceptable score on a Wayne State mathematics placement exam taken after January 29, 2009.

**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](mailto:isaksen@math.wayne.edu). Office phone: 313-577-2491.

**Office Hours:** FAB 1195, 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/09F-2010>

**Calculators:** You will need a graphing calculator, although this course will not rely heavily on calculators. Suggested models include the TI-83, TI-84, and TI-86. More powerful calculators, such as the TI-89, TI-92, and TI-Nspire, are not allowed on exams.

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

**Examinations:** There will be six in-class midterm exams. 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. All midterm exams will be cumulative.

The exam dates are:

- Friday September 25
- Friday October 9
- Friday October 23
- Friday November 6
- Tuesday November 24
- Friday December 11

The final exam date is Thursday December 17, 1:20-3:50pm.

**Grading:** Each midterm examination is worth 80 points. The lowest midterm score will be dropped for students with 7 absences or less. 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

**Attendance:** Attendance will be taken at each class meeting. Students with 7 absences or less will have their lowest midterm score dropped. Students with more than 7 absences will not earn this advantage.

**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.