

**MATHEMATICS 251 SYLLABUS: WINTER QUARTER,
2008**

We will cover most of Chapters 2–4 of the book.

Note: The syllabus is very tight. If certain topics take too long, we will have to go over others very fast, and you will have to read them in the book.

Homework will be posted separately on the course website.

7–11 Jan.: First administration of Midterm 0. Read: Preview; Sections 2.1 and 2.2. Also read Chapter 1 if necessary for review.

Warning on notation: The book refers to “the point $P(4, 2)$ ” when it actually means “the point $P = (4, 2)$ ”.

14–18 Jan.: Second administration of Midterm 0. Read Sections 2.3, 2.4, 2.5, 2.6, and 2.7. (Section 2.4 will be covered very briefly.)

21–25 Jan. (short week, due to holiday): Read Sections 2.8 and 3.1.

28 Jan.–1 Feb.: Read Sections 3.2 and 3.3. Midterm 1.

4–8 Feb.: Read Sections 3.4, 3.5, and 3.6.

11–15 Feb.: Read Sections 3.7, 3.8, 3.9, and 3.10. (Note that we skip Section 3.11. In Section 3.10, I will use linear approximation in place of the differential wherever it occurs.)

18–22 Feb.: Read Sections 4.1, 4.2, and 4.3.

25–29 Feb.: Read Sections 4.4 and 4.5. Midterm 2.

3–7 March: Read Sections 4.6 and 4.7.

10–14 March: We will spend the entire week on Section 4.7.

17–21 March: Final exams.