

**UPDATED GENERAL INFORMATION — JANUARY 22, 2014**

*Rescheduling of midterm examinations*

The first and second midterm examinations have been postponed to **Monday, February 3**, and **Monday, March 3**, respectively. The material to be covered on these examinations will be announced about a week before these examinations take place.

*Modifications to math145Anotes05.pdf*

The file in the course directory has been modified, with a couple of minor corrections on page 5.13 (there is a remark in red near the most important one), and on page 5.13A there are detail about one point mentioned in the lectures but not in the previous version of the notes. Specifically, we show that the closed unit interval  $[0, 1]$  is **NOT** an open subset of the real line, and we also note (without proof) that closed and half-open intervals in the real line are **never** open in the latter.

*Recommended exercises for Chapter 6 of Sutherland*

- Chapter 6: 6.3, 6.5, 6.6, 6.12, 6.13, 6.15, 6.20, 6.23

The following references are to the file file `exercises02w14.pdf` in the course directory.

- Additional exercises for Chapter 6: 1, 2, 4, 7

*Reading assignments from solutions to exercises*

Another recommendation is to read through the solution to Exercise 6.9 from Sutherland (see the file `solutions02w14.pdf` in the course directory). This exercise proves assertions in the notes about certain sets which arise in the study of double integrals (in multivariable calculus).