

Spring, 2006

S. G. Krantz

## Syllabus for Math 318

Introduction to Calculus of Several Variables

**Instructor:** Steven G. Krantz

**Textbook:** B. Blank and S. G. Krantz, *Calculus: Multivariable*,  
Key College Press, Emeryville, CA, 2006.

**Additional Course Materials:** I will supplement the formal text with additional reading material (i.e., handouts in class) as the need dictates.

**Office:** 103, Cupples I

**Office Hour:** To be announced

**Phone:** (314) 935-6712

**e-mail:** sk@math.wustl.edu

**Web Address:** <http://www.math.wustl.edu/~sk>

**Class Web Page:** I will in due course set up a Web page for this class. You will be able to get to it by going to my personal Web page (above). At the bottom of that page will be a button for Math 318.

**Dept. Office:** 100, Cupples I

**Dept. Phone:** (314) 935-6760

**Course Description:** The purpose of this course is twofold: **(i)** to learn basic ideas of multivariable calculus and **(ii)** to learn some foundational ideas of real analysis. The former material is contained in the text *Calculus: Multivariable*. The latter material will be found in various handouts, also written by S. G. Krantz.

Although regular class attendance is not mandatory (no roll will be taken), it is strongly advised. Especially since we are not following a single text straight through, the best way to keep up is to attend class.

**Work Required in the Course:** There will be weekly homework assignments taken from the text. I plan to have two midterms and a final exam, but we can discuss this matter if class needs indicate a different number of exams. The relative weight of these course components toward the course grade is:

<b>Homework:</b>	20%
<b>Midterm I:</b>	20%
<b>Midterm II:</b>	20%
<b>Final:</b>	40%
<hr/>	
<b>TOTAL:</b>	100%