

## MATHEMATICAL SURVIVAL SKILLS FALL 2007

Everything you ever wanted to know about graduate school in math, but were afraid to ask. This one-credit fall semester course is required of all first-year graduate students.

**Meets:** Fridays from 3:15-4:30 in LCB 222 (meet at tea first!)

**First Meeting:** Friday, August 31

**Instructor:** Aaron Bertram (Chair's office or JWB 302)

**Assistant:** TBA

**Office Hours:** By appointment

**Course Webpage:** [www.math.utah.edu/~bertram/Survival](http://www.math.utah.edu/~bertram/Survival)

### **Topics:**

- How to set up your homepage.
- LaTeX practice.
- What to expect: qualifying exams, choosing an advisor, etc.
- How to prepare a talk

### **Assignments:**

- Build your webpage.
- Deliver a LaTeX'ed proof of an important theorem.
- Purchase and read Krantz's book (see below).
- Read an award-winning paper (listed on the course webpage).
- Deliver a presentation of the chosen paper.

### **Texts:**

#### **Required:**

- A Mathematician's Survival Guide, by Steven Krantz.

#### **Recommended:**

- Leslie Lamport, LATEX: A Document Preparation System
- Nicholas Higham, Handbook of Writing  
for the Mathematical Sciences