Math 125: Calculus II (Spring 1998)

Lectures:	Section B: 11:30–12:20, room 301 MLR Section C: 12:30–1:20, room 220 KNE
Professor:	A. Greenbaum, C-434 Padelford, 543-1175
Office Hours: (tentative)	M,W 2:00–3:00 (Math Study Center, B014 Communications), F 2:00–3:00 (C-434 Padelford), or by appointment.
e-mail:	greenbau@math.washington.edu
Web Address:	http://www.math.washington.edu/~greenbau Course materials: Click on "Math 125".

Text: *Math 125: Calculus II* by Neal Koblitz. (available at Professional Copy, 4200 University Way N.E.)

Course Description: UW Math 125 is the second quarter of a two-quarter introduction to single variable calculus. UW Math 124 covers differential calculus and the Fundamental Theorem of Calculus. Math 125 covers applications of definite integration, the functions exp and ln, techniques of integration, and methods for solving simple first order differential equations. The sample tests and copies of previous 125 final exams reprinted in the Lecture Notes give an idea of the skills students are expected to acquire.
Like UW Math 124, the course emphasizes word problems, with particular emphasis on multistep problems. The course requires reading and reasoning skills, and fully developed computational skills at the level of Math 124.

Final Exam: All sections of Math 125 have the same final examination, which is given on the first *Saturday* after the last day of instruction.

Material to be Covered: We will cover the Koblitz Notes in their entirety. It is expected that we will cover the first six chapters in weeks 1–3 and that the **first midterm exam** covering these chapters will be given during week 4. Chapters seven through fifteen will be covered in weeks 4–7 and there will be a **second midterm exam** during week 8. The remaining chapters sixteen through eighteen will be covered during weeks 9–10.

Grading: The final exam will count 40%, the two midterms will count 20% each. In addition, there will be weekly homework and occasional quizzes in sections, which will count 20% total.