SYLLABUS FOR MATH 431, FALL 2011

PROFESSOR TOM RAMSEY

(i) You don’t have to purchase any official textbook. The class notes may suffice.  
(ii) Grades:  
• Daily theorem proving (95%). Every day turn in some proofs. The proofs need to be nearly perfect—very clearly and carefully written. As often as possible, present proofs in class. For example, if there are 10 students, you might be asked to present a proof approximately once a week.  
• Final examination (5%).  
• Anyone who turns in one perfect proof a day, and does his or her share of presentation in class, should expect a grade of B or higher.  
(iii) Office hours (for visiting without any appointment) are 9:30 to 10:20 MWF. Appointments at other times are welcome. To make an appointment, please email ramsey@math.hawaii.edu.  
(iv) The final exam is on Friday, December 16, from 9:45 am to 11:45 am.  
(v) The withdrawal deadline (for a grade of W) is October 21, 2011. After that, only your Dean can approve a withdrawal.  

Official Catalog Description: Topology of $\mathbb{R}^n$, continuous functions, Riemann integration, sequences and series, uniform convergence, implicit function theorems, differentials and Jacobians. Emphasis on mathematical writing.

Date: August 18, 2011.