SYLLABUS FOR MATH 241, SECTION 5, FALL 2006

PROFESSOR TOM RAMSEY

(i) The text is *Calculus, Early Vectors* by James Steward, Chapters 0 through 7 with Chapter 4 skipped.

(ii) This course has a gateway examination about differentiation. Regardless of how you do in the rest of the course, this gateway examination MUST BE PASSED TO OBTAIN A GRADE OF C OR BETTER. You will be allowed several tries at the gateway examination.

(iii) If the gateway examination is passed, grades are then based upon two midterm examinations (25% each), one final examination (25%), and various forms of daily evaluation (some quizzes, homework, etc.) (25%). If the gateway examination is passed, a score of 90% will guarantee an A; 80% will guarantee a B; 70% will guarantee a C and 60% will guarantee a D. On occasion, extra-credit points may be earned by being the first to do some requested proof.

(iv) Tom Ramsey's office hours, for dropping in without any appointment, are 11:30 MWF. Appointments at other times are welcome. To make an appointment, please email ramsey@math.hawaii.edu or telephone (956-4666).

(v) The TA for this section is Zach Kent, who will conduct class on Thursdays. His office is in Keller 403G, with office hours 12:30-1:20 on Mondays, 9:00 - 9:50 on Tuesdays and 2:50 pm - 3:50 pm on Thursdays. His phone is 956-7548 and his email is zach@math.hawaii.edu

(vi) To succeed as an engineering or natural science student, you must know high school algebra and trigonometry so well that you use them correctly while tired or even drunk. You know yourself what your weaknesses in algebra and trigonometry might be. USE THIS SEMESTER TO OVERCOME THOSE WEAKNESSES. You might pick up a book a like “Algebra for Dummies” to quickly review algebra. In particular, if there is any high school mathematical topic that you just didn’t “get”, bother me and the TA about it! Use us to overcome the weaknesses.

(vii) YOU ARE IN CHARGE OF WHAT YOU ARE LEARNING. The TA and I can help greatly, but the energy, the ambition, the determination and the questions must come from you.

(viii) Note that the final examination is on Wednesday, Dec. 13, from 12:00 to 2:00 pm.

Date: August 16, 2006.