

TEXT: *Vector Calculus*, by Thomas H. Barr, 2nd edition.

SYLLABUS: We will cover most of the textbook. In addition, we will learn how to use the computer algebra system *Maple*.

PREREQUISITES: M123, high-school algebra, and the interest for Math.

GRADE BREAKDOWN:	8 QUIZZES	30 pts. each.
	2 COMPUTER PROJECTS	50 pts. each.
	MIDTERM	100 pts.
	FINAL	200 pts.

QUIZZES & EXAMS: There will be a quiz on almost every Thursday — the total of 10 quizzes. However, I will drop your two lowest scores. The Midterm and the Final exam will be cumulative. The use of books, notebooks, and notes in these situations is forbidden.

COMPUTER PROJECTS: You will learn how to use the computer algebra system *Maple* and you will be assigned a selection of problems to solve.

CLASS PARTICIPATION: At the end of each class meeting I will assign a section to read and problems to work out. Part of the class time will be spent answering your questions. You are warmly encouraged to volunteer and present solutions to these problems. Each successful presentation is worth 10 points.

GRADE DISTRIBUTION:	Points:	560	530	490	460	420	390	320
	Grade:	A	BA	B	CB	C	DC	D

MAKE-UP: None. Plan now to attend all class meetings.

STYDYING: Work **lots and lots** of problems. Consider forming study groups.

The Faculty Senate Executive Board has suggested that the following statement regarding academic integrity be included on all syllabi:

You are responsible for making yourself aware of and understanding the policies and procedures in the [Undergraduate Catalog (pp. 268-269)/Graduate Catalog (pp. 26-27)] that pertain to academic integrity. These policies include cheating, fabrication, falsification and forgery, multiple submission, plagiarism, complicity and computer misuse. If there is reason to believe you have been involved in academic dishonesty, you will be referred to the Office of Student Conduct. You will be given the opportunity to review the charge(s). If you believe you are not responsible, you will have the opportunity for a hearing. You should consult with me if you are uncertain about an issue of academic honesty prior to the submission of an assignment or test.