Instructor: David Trott (dtrott1@umbc.edu), MP 239

Office Hours: MT 12:00PM-12:50PM and by appointment.

Textbook: Calculus Early Transcendentals by James Stewart, Chapters 12-16

Prerequisites: MATH 152 with a grade of C or better.

<u>**Course Outline**</u>:

Grade Policy: 85+ A, 75-84 B, 65-74 C, 55-64 D, < 55 F

Course Objectives: This course builds on the knowledge obtained in Math 151/152 and introduces the concepts of Vector Calculus. While it is true that the single variable Calculus previously learned will be extended to additional variables, the scope of the course is more broader than this. We will see both the geometric and algebraic concepts behind Vector calculus.

Grading: Homework (45%), Midterm(25%), Final (30%)
Doing problems on your own is critical to mastering the material. You may work on the homework in groups but you are expected to know all the material you hand in. No Late Homework will be allowed.

Academic Honesty: By enrolling in this course, each student assumes the responsibilities of an active participant in UMBC's scholarly community in which everyone's academic work and behavior are held to the highest standards of honesty. Cheating, fabrication, plagiarism, and helping others to commit these acts are all forms of academic dishonesty, and they are wrong. Academic misconduct could result in disciplinary action that may include, but is not limited to, suspension or dismissal. To read the full Student Academic Conduct Policy, consult the UMBC Student Handbook, the Faculty Handbook, the UMBC Integrity webpage www.umbc.edu/integrity, and the UMBC Undergraduate Student Academic Conduct Policy.

Extra Help: Dot not hesitate to come to my office during office hours or by appointment to discuss a problem or any aspect of the course.

Tentative Schedule: