

MATH 151 Sections 401 and 402
Calculus and Analytic Geometry I
Spring 2008

Instructor: Dr. Yoon Song

Office: MP 408

Phone: 410-455-5731

E-mail: song@math.umbc.edu

Web page for the class announcements: <http://www.math.umbc.edu/~song/math151.html>

Office Hours: 30 minutes before each class

Class Hours: MWF 11-11:50 am, MP 104

Discussion: WF 9-9:50 am, ACIV 006 (sec 401), WF 10-10:50 am, ACIV 006 (sec 402)

Text: Calculus (Early Transcendental Functions) by Smith and Minton, 3rd Edition, McGraw-Hill, 2007

Prerequisite: Grade of C or better in Precalculus

Course Learning Objective: Calculus is the mathematics that deals with the movement of an object. How fast? In which direction? How quickly is it turning? In this course, we learn the concepts developed to deal with such questions and how to use them. In presenting these concepts, we want to develop a logical thinking technique and problem-solving skills as well.

Course Contents: Topics of this course include limits, continuity, the rate of change, derivatives, differentiation formulas for algebraic, trigonometric functions, exponential and logarithmic functions, maxima and minima, and antidifferentiation. The following sections will be covered: 0.1, 0.3-0.6, 1.1-1.6, 2.1-2.9, 3.1-3.9, and 4.1.

Grading: Your final grade will be computed as follows:

Best 10 Homeworks (15 pts each): **150 points**

Best 8 Quizzes (25 pts each): **200 points**

Three 50 min. Exams (Fridays, Feb. 29, April 4, and May 2) (100 pts each):

300 points

Final (date, time, place TBA): **150 points** (comprehensive)

Scale (out of Total: 800 points):

A: 90-100 %, **B:** 80-89 %, **C :** 70-79 %, **D:** 60-69 %, **F:** below 60 %

Homework: Homeworks will be done (and graded) on-line through MathZone and will be due each Friday at midnight. Please keep the works/record with you for each homework for in case that there is a glitch in the system. There will be no late homework. Only the best 10 homework grades will be counted (out of 13-14 homeworks).

MathZone Section Codes:

Section 401: **DA9-74-FC6**

Section 402: **488-E8-9D4**

Quizzes: Quizzes will be given during discussion session on each Wednesday (starting from Feb. 6). Regular attendance at the discussion will be counted as a quiz grade. There will be NO MAKE-UP QUIZZES! Only the best 8 quiz grades will be counted (out of 11-12 quizzes).

Make-Up Policy: Make-up exams are given only in a case of an emergency (notification should be given to the instructor within 24 hours before or after the scheduled exam time, documentation required).

Calculators: The use of a graphical calculator is prohibited on a quiz or an exam.

Tutoring: A free walk-in tutoring is available at the Mathlab located in the basement of the library (x52444 for more details).

Academic Misconduct: 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, or the UMBC Policies section of the UMBC Directory. The instructor specifically prohibits the following on a test: covering eyes with a cap, sun-glasses, or by hand, accessing to a pocket or a bag, usage of a restroom during an exam.