MATH 151 CALCULUS I SPRING, 2006

4 credits

COURSE INFORMATION:

LECTURES: Sections 501/502 MWF 1:00-2:05 MP 104

Sections 601/602 MWF 2:30-3:35 MP 104

DISCUSSION: 501 Mon. 11-11:50 MP 010

502 Wed. 11-11:50 MP 010 601 Mon. 1-1:50 MP 010 602 Wed. 1-1:50 MP 010

Teaching Assistants -

INSTRUCTOR: Mrs. Bonny Tighe OFFICE 425 MP Building

OFFICE HOURS: M W F 3:45 – 5:30 pm PHONE: MESSAGES 410-455-2425

E-MAIL ADDRESS: tighe@umbc.edu

TEXT: CALCULUS. By Stewart, Fifth Edition, Brooks/Cole Publishing, 2003

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TESTING AND GRADING: The usual 90-80-70-60 % grading system will be used in this course. Time spent outside of class on this course will be between 12 and 15 hours per week - MINIMUM!

POSSIBLE POINTS ARE AS FOLLOWS:

Best 10 homeworks @ 10 pts each

Best 8 quizzes @ 25 pts each

3 Hour Exams @ 100 pts each

1 Final Exam @ 150 points

TOTAL

= 100 points (13%)

= 200 points (27%)

= 300 points (40%)

= 150 points (20%)

THERE WILL BE NO MAKE-UP QUIZZES! Homework will be due at the beginning of lecture on each class where there is a quiz or exam given. The sections collected will be the same as on the quiz or exam. **NO LATE HOMEWORK WILL BE ACCEPTED** Make-up exams will be given at my discretion and provided I have been notified prior to the scheduled time of the exam that you will be unable to attend. Documentation will be required. Leave messages at 455-2425 in my office or an email at tighe@math.umbc.edu.

No calculators will be required during this course. They may be used only for homework.

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 is 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.

MATH 151		SYLLABUS	SPRING, 2006
1	1/30 2/1 2/3	Algebra review 1.3 Tangents and Velocities 2.1, 2.2 Limits 2.3	
2	2/6 2/8 2/10	Precise definition 2.4 Continuity 2.5 Tangents and velocities 2.6 QUIZ 1 on 2.1-2.4	
3	2/13 2/15 2/17	Derivatives 3.1, 3.2 Formulas 3.3 Applications of Rates of Change QUIZ 2 on 2.5-3.1	3.4
4	2/20 2/22 2/24	Trig derivatives 3.5 Chain Rule 3.6 QUIZ 3 on 3.3-3.5	
5	2/27 3/1 3/3	Implicit and Higher Derivatives 3.7, 3.8 Related Rates 3.9 EXAM I on 2.1-3.8	
6	3/6 3/8 3/10	Linear Approximations 3.10 Maximums and Minimums 4.1 QUIZ 4 on 3.9-3.10	
7	3/13 3/15 3/17	Mean Value Theorem 4.2 Derivatives and curve Limits at infinity 4.4 QUIZ 5 on 4.1-4.3	s 4.3
8	3/20-24	SPRING BREAK	
9	3/27 3/29 3/31	Curve Sketching 4.5 Optimization 4.7 QUIZ 6 on 4.4-4.5	
10	4/3 4/5	Newton's Method 4.9 Antidifferentiation 4.10	
11	4/7 4/10 4/12 4/14	EXAM II on 3.9-4.9 Area and Distance 5.1 Definite Integral 5.2 QUIZ 7 on 4.10-5.1	
12	4/17 4/19	Fundamental Theorem of Calculus 5.3 Indefinite Integrals 5.4	
13	4/21 4/24 4/26	QUIZ 8 on 5.2-5.4 Substitution Rule 5.5 Area between curves 6.1	
14	4/28 5/1 5/3	QUIZ 9 on 5.5-6.1 Volume/ Washer Method 6.2 Review	
15	5/5 5/8 5/10	EXAM III on 4.10-6.2 Volumes Cylindrical Shells 6.3 Average Value 6.5	FINAL EXAM
16	5/12 5/15	QUIZ 10 on 5.5-9.2 LAST DAY OF CLASSES –REVIEW	