

MATH 2A - Fall Quarter 2008 -Lecture H

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Office Hours: Mondays and Wednesdays 12:00noon-1:00pm

Text Book: Smith and Minton, *Calculus*, 3rd Edition, McGraw-Hill.

Quizzes: There will be a quiz every discussion session. The quizzes are based on the Homework Problems, which will be assigned every lecture. Quizzes will form 10% of the total grade of the course.

WebWork: There will be *WebWork* assignment every week starting after the second week of classes. You will get an Email in this regard with an assigned password to do the *WebWork*. The *WebWork* will form 10% of the total grade of the course.

Midterms: There will be two midterms. The **First Midterm** will be on **Monday, October 27, 2008**, during the lecture. The **Second Midterm** will be on **Friday, November 21, 2008**, during the lecture. Each of the midterms will form 20% of the total grade of the course.

Final Exam: The **Final Exam** will be a comprehensive exam. It will take place on **Monday, December 8, 2008**, between **4:00-6:00pm** at the Lecture Room (RH 101). The final exam will form 40% of the total grade of the course.

Make Ups: There are no make up exams for neither the quizzes nor the midterm. At the end of the quarter I will drop the worst two quizzes. So those quizzes you miss will count as zero. In case the grade of one of the midterms is lower than the grade of the final exam I will then drop the lowest grade of the midterms, and in this case the final grade will count for 60%. So if you miss a midterm it will count as zero.

DO NOT MISS THE FINAL EXAM AND MAKE SURE THAT YOUR “GRANDMOTHER” IS NOT SICK THAT WEEK.

Suggested Syllabus for Math 2A.

<u>Lecture</u>	<u>Section(s)</u>	<u>Topic(s)</u>
1	Intro; 0.2	Review topics;
2	1.1; 1.2	Brief Preview of Calculus; The Concept of Limit (begin)
3	1.2	The Concept of Limit (finish)
4	1.3	Computation of Limits
5	1.4	Continuity
6	1.5	Limits Involving Infinity; Asymptotes
7	2.1	Tangent Lines and Velocity
8	2.2	The Derivative
9	2.3	Computation of Derivatives: The Power Rule
10	2.4	Computation of Derivatives: The Product and Quotient Rules
11	2.5	The Chain Rule
12	2.6	Derivatives of Trigonometric Functions
13	2.7	Implicit Differentiation
14	—	MIDTERM #1 (October 27,2008)
15	2.8	The Mean Value Theorem
16	3.1	Linear Approximations and Newton's Method
17	3.2	Maximum and Minimum Values
18	3.3	Increasing and Decreasing Functions
19	3.4	Concavity
20	3.5	Overview of Curve Sketching (begin)
21	3.5	Overview of Curve Sketching (finish)
22	—	MIDTERM #2 (November 21,2008)
23	3.6	Optimization Problems
24	3.7	Related Rates
25	4.1	Antiderivatives
26	4.2; 4.3	Sums and Sigma Notation; Area (begin)
27	4.3; 4.4	Area (finish); The Definite Integral (begin)
28	4.4	The Definite Integral (finish)
29	4.5	The Fundamental Theorem of Calculus