

Math 2011 (Section B) Calculus and Analytical Geometry I

Fall 2009

Instructor: Dr. Ying Wang

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Class Meets: Monday, Tuesday, Wednesday and Thursday, 11:00-11:50, AHE260.

Office Hours: Monday 12:00-13:00 and 14:00-16:00, Wednesday 14:00-16:00. You will be informed of any change to these hours if any occurs. You are free to visit me in my office during these hours without an appointment. If you wish to see me outside of these hours, then let me know in person, by email, and we will set up a time.

Textbook: *Essential Calculus*, by James Stewart, Thomson Brooks/Cole, 2007.

Description of the Course: An introduction to calculus with emphasis on concepts of limit, continuity, and derivative of a function. Differentiation and integration of algebraic, trigonometric, inverse trigonometric, exponential, logarithmic functions, with applications, and L'Hôpital's Rule.

Prerequisite: Math 1113 (grade of C or better) or placement.

Homework: Homework will be assigned to various sections of each chapter of the text. I will not collect or grade this homework. You should allocate at least ten hours per week for working homework problems. Assistance is available in the Math Lab in Allgood Hall N337.

Exams: There will be four tests and the final exam. All tests will be closed book and closed notes, based on your homework and classnotes. The final will cover everything we have learned in the semester. I will drop the lowest test from the four tests. **ATTENTION!** There will be absolutely no makeup tests. If you miss a test, you will receive a grade of zero for that test. I will allow you to take a test at a time other than the class period if you inform me in advance and provide documentation in the form of a note from a coach, club sponsor, or other appropriate party.

Test 1: Thursday, September 17

Test 2: Thursday, October 8

Test 3: Thursday, November 5

Test 4: Tuesday, December 1

Final: 13:00-15:00, Monday, December 7

Grading: The grades in this course will be determined by tests and final exam. The breakdown of the course grade is as follows:

First Test	20%
Second Test	20%
Third Test	20%
Fourth Test	20%
Final Exam	40%

Your letter grade for the course will be:

90-100% A 80-89% B 60-79% C 50-59% D Below 50 F

Withdrawals: If you wish to withdraw before midterm (October 12), you must take the responsibility for filling out the necessary forms. I will take attendance daily and reserve the right under University policy to issue a grade of "WF" after the midterm to students who miss more than six classes.

Attendance: I will take attendance daily.

Academic Dishonesty: All students are expected to comply with the Student Code of Conduct (see the student Handbook) and the policy on Academic Honesty (see the University Catalog). Any evidence of cheating or other violations will be submitted directly to the chair of the department.

Other Policies: University policy prohibits the use of cellular phones or pagers in the classroom and requires that only those who are registered in a class may attend. Any mechanical or electronic recording of class activities must first be approved by me. If you need special accommodation due to a disability you should inform me and the Coordinator of Disability Services in the Office of Counseling and Testing.

Material to be Covered: Ideally we will cover

Chapter 1: Functions and Limits, §1.1-§1.6;

Chapter 2: Derivatives, §2.1-§2.8;

Chapter 3: Applications of Differentiation, §3.1-§3.7;

Chapter 4: Integrals, §4.1-§4.5;

Chapter 5: Inverse Functions, §5.1-§5.8.