

MATH 2144 SECTION 8, FALL 2006, SYLLABUS

FACULTY: WEIPING LI
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1. BASIC COURSE INFORMATION

Prerequisites: Math 1715, or 1513 and 1613.

Textbook and Content: *CALCULUS* (5th Edition) by James Stewart, Publisher: Thomson 2003, ISBN 0-534-27408-0.

This is an introductory course in the basic Calculus sequence for engineering and science students. We will cover Chapter 2–6 and 8.7, 9.1 of the text. Basic limits, continuity, tangents, velocity and derivatives, Chain rule, higher derivatives, extremes and mean value theorem, Newton’s method, anti-derivative, Fundamental theorem of Calculus, integral and substitution rule, arc length, area and volumes.

Class Time: MWRF 12:30pm–1:20pm. Start on August 21, 2006.

Class Room: HES 004A.

Office Hours: MWRF 11:30am – 12:20pm. **BY APPOINTMENT.** Highly recommended to take full and consistent advantage on my office hours. Feel free to call/email/fax me at any time. Please do not hesitate to seek any appropriate out-of-class help from me in your efforts to master the subjects.

SYLLABUS ATTACHMENT:

<http://osu.okstate.edu/acadafr/aa/syllabusattachment-Fall.htm>

2. EXAMS, QUIZZES AND GRADE

Your grade will be determined by the scores on the 3 fifty-minute tests, each of which is worth 100pts. Homework and Quizzes is worth 100pts and the final exams is worth 200pts.

A as 510-600; **B** as 450-509; **C** as 390-449; **D** as 330-389; **F** as 0-329.

The cutoff might be lower slightly at the end of the term, but this is not guaranteed. If you cannot take an hour test because of medical reason or other emergency, please notify

me **IN ADVANCE** or hand in your **written proof** for excuse. Make-up exams will be scheduled **ONLY** in those cases with **proofs**.

Quizzes: Each quiz will be picked from your homework problems. No make-up quizzes will be given. Your one lowest quiz will be dropped.

First Exam: Thursday 21, September, 2006;

Second Exam: Thursday 26, October, 2006;

Third Exam: Wednesday 29, November, 2006;

Final Exam: *Monday 11, December, 2006 from 10:00am – 11:50 am.*

2.1. **Attendant Policy.** Attendance is not a part of your grade in the course, but it is **VERY HIGHLY RECOMMENDED**. You are responsible for all material covered in class and all assignments. Experience has shown a definite correlation between poor class attendance and low grades.

2.2. **Main Office.** Main office of Math Department 401 Ms, phone number: 405-744-5688. Fax number: 405-744-8275.

2.3. **Homework.** Please **DO THE HOMEWORK**. The purpose of homework is to provide a way for you to practice and get feedback on what you are doing. I suggest that you first read each section and try the assigned problems on your own. Then discuss your solutions with others in the class. Finally re-read your solutions and make corrections as needed. *Practice makes perfect.* **Remember to use the tutors to help you learn. Not to do the homework for you.**

2.4. **General Comments.** To succeed in college, each student must take responsibility for his or her own learning. Thinking of attending college as your job. Just as you arrive at work on time and finish an assigned work on time, so should you attend class every day and finish all your daily homework.

(i) Please be advised that **Doing your homework on time is absolutely essential** for you to get better grade. Quiz and exam problems will be largely chosen from your homework problems.

(ii) On average you should expect to spend two hours studying outside of class for every hour in class. Some student will require more. It is best to do this on a regular basis after *every class* if possible. The learning of mathematics is cumulative, and keeping up with the work is necessary in order to follow our class discussion. Our mind absorbs new ideas best in smaller, regular doses.

(iii) Your study time **SHOULD** start with the book and your class notes with pencil in hand to work out the calculations. The homework problems are not identical to the book

examples and can require considerable thoughts. Give each problem a serious effort before seeking help.

(iv) Ask for help whenever you feel you need it from your instructor, from your classmates and any other sources.

2.5. Academic Dishonesty/Misconduct. OSU has explicit rules governing academic dishonesty and academic misconduct. The policies are detailed in the document *Students Rights and Responsibilities Governing Student Behavior*.

3. COURSE TENTATIVE SCHEDULE (SUBJECT TO SLIGHT CHANGE) FOR MATH 2233

Week 1: 1.2, 1.3, 1.4, 2.1; Week2: 2.1-2.3; Week 3: 2.5-2.6;

Week 4: 2.6-3.3; Week 5: 3.3, Review, Exam1, 3.5;

Week 6: 3.6-3.8; Week 7: 3.9-3.10; Week 8: Fall break, 4.1-4.3;

Week 9: 4.3-4.7; Week 10: 4.9, Review, Exam 2, 4.10;

Week 11: 5.1-5.2; Week 12: 5.3-5.5; Week13: 6.1-6.3;

Week14: 6.4-6.5, Thanksgiving Day; Week15: Review, Exam 3, 8.7, 9.1;

Week 16. Review for the final;

Last Week: Final Exam on December 11, 10:00am – 11:50am.

4. HOMEWORK

Homework is given in Maple TA. Quizzes are also given in Maple TA.

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