MATH 2163 SECTION 3, FALL 2012, SYLLABUS

FACULTY: WEIPING LI

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1. BASIC COURSE INFORMATION

Prerequisites: Math 2153 (Calculus II)

Textbook and Content: *Calculus Early Transcendentals* (Custom Edition for Oklahoma State University), by James Stewart, Publisher: CENGAE Learning 2008,

You Need to purchase a copy of the book along with an access code for using WebAssign. You need to enter this access code within the first two weeks or you will not be able to use WebAssign after this introductory period.

ClassKey for this Section 003: okstate 2169 8707 As you can see, your ClassKey consists of okstate followed by two 4-digit integers.

This is third course in the basic Calculus sequence for engineering and science students. We will cover Chapter 12–16 of the text. Vectors and Geometry of space, Partial Derivatives, Directional Derivatives, Lagrangian Multipliers, Multiple integrals, surface area, vector calculus, line integrals, Gradient, Curl and Divergence, Green's theorem, Stokes theorem and the Divergence theorem.

Class Time: MWF 9:30am –10:20am. Start on Monday August 20, 2012.

Class Room: PS 153.

Office Hours: MWF 12:30pm–1:20pm. or **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.

University information:

University Academic Calendar Fall 2012:

http://registrar.okstate.edu/index.php?option=comcontent&view=article&id=438 &Itemid=3

University Class Schedule Book, Fall 2012:

http://registrar.okstate.edu/images/CSB/fullfall2012classschedule.pdf

University Academic Affair Office:

http://academicaffairs.okstate.edu/academic-affairs-units

2. Exams and Grade

Your grade will be determined by the scores on the 3 fifty–minute tests, each of which is worth 100pts. Homework 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**.

Homework: Web assigned Homework.

MLRC: MLRC is located on the 4th floor of the classroom building just north of the Student Union, tutoring services are provided there for this course and similar ones. Check in for tutoring is in Room CLB 420.

http://www.math.okstate.edu/mlsc

For questions about the MLSC, call (405) 744-5688,

or email Elena Pavelescu at elena.pavelescu@okstate.edu

First Exam: Friday September 17, 2012;

Second Exam: Wednesday October 17, 2012;

Third Exam: Monday November 12, 2012;

Final Exam: Wednesday December 12, 2012, from 8:00am – 10:50am at PS 153

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 does.

(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.*

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