Calculus II

Math 2153.2 HES 004 MWF 8:30 – 9:20

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The textbook is *Calculus (Early Transcendentals)* by James Stewart, in the customized 6th edition. We shall cover much of Chapter 7 (Techniques of Integration), Chapter 8 (Further Applications of Integration), Chapter 10 (Parametric Equations and Polar Coordinates), and Chapter 11 (Infinite Sequences and Series). The class is a continuation of Calculus I, and it is essential to know the material covered in that class well. In addition, we will use a fair amount of basic algebra and trigonometry.

We are required to use the WebAssign system for homework. You will need to self-enroll online at https://www.webassign.net/login.html using the class key "okstate 6742 4385". You should do this as soon as you are sure that you intend to remain in this section.

To succeed in the class, it is essential that you attend regularly, seek help when you cannot understand a topic or solve a problem correctly, and work through the sections of the textbook that are discussed in class. There is too much material for me to be able to cover every detail in my lectures, but you are responsible for learning everything in each of the sections that is discussed in class.

There will be regular homework assignments with due dates and format to be announced, three preliminary exams, and a final exam. The dates of the preliminary exams are indicated on the course schedule. The final exam will be held on Friday, May 6 from 8:00 – 9:50am. The homework will be worth 100 points in total, as will each of the preliminary exams. The final exam will be worth 200 points. The total score, T, in the class (out of 500 points) will be determined according to the formula

$$T=H+P1+P2+P3+F-MIN(P1,P2,P3,F/2),$$

where H is the homework score, P1, P2, and P3 are the preliminary exam scores, F is the final exam score, and MIN denotes the minimum. An overall score of 90% or more will ensure an 'A', a score of between 80% and 89% will ensure at least a 'B', a score of between 70% and 79% will ensure at least a 'C', and a score of between 60% and 69% will ensure at least a 'D'.

You may miss (or drop) one-fifth of the homework assignments without penalty. If you have a prescheduled and unavoidable conflict on the date of an exam then you should let me know beforehand so that appropriate arrangements may be made. If you miss an exam for good reasons that are both unpredictable and beyond your control, and you wish to make the exam up then you must contact me as soon afterward as possible.

You should read the official university syllabus attachment for Spring 2011. It may be found at http://osu.okstate.edu/acadaffr/aa/syllabusattachment-Spr.htm