Math 252  Calculus III  Fall 2014

Prof. Steve Kirschvink

Office Hours: MW 11→12, 1→2 and F 11→12

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Course Websites  http://blackboard.sdsu.edu
Webassign-See info enclosed with your textbook - Class Key Code: sdsu 0046 3038

Text: Multiariable  CALCULUS  Early Transcendentals  7th ed., by James Stewart

Prerequisite: Math 151 (Calculus II) with minimum grade of C.

Calculators: No calculators will be allowed on the Exams. They may be used on certain homework problems where numerical calculations need to be made, i.e., sin(3.92).

Grading: Weekly Quizzes 15%

Three Exams 60% No make-ups – See Remark 3.

Final Exam (Date be Announced) 25%

Homework  Will be assigned but not collected. You will need to understand the Homework well to perform well on the quizzes and exams.

Attendance  Mandatory – See Remark 1.

No Extra Credit: Please do not ask for extra credit work. Study diligently throughout the semester so that you will get a nice grade in the course. Also, do not expect to have a review session before an exam. Study diligently and do not “cram” for exams and quizzes. Extra Credit is not fair to the students who perform well throughout the course.

Course Grade: Approximate Grade Scales will be made for each exam. It is not a “curve” but a scale based upon my judgement of what fair grades would be. You will be guaranteed the following grades as given by the combined weighted percentage score of the quizzes, midterms, and the final exam. A 90%  B 80%  C 70%  D 60%

Student Responsibility: Read the textbook assignments thoroughly. Study all examples, diagrams, graphs, and comments in the margins. If you do not understand a “step” in a worked example or proof, do not blame the book. Take it as feedback that you may need to spend time reviewing ideas in a calculus or in a precalculus book (try the internet). Please visit your professor or TA promptly when you need help.
**Remark 1:** Attendance to all lectures and discussion sections is mandatory. We will often expand upon the ideas discussed in the book and some of the ideas and problems from the lectures may appear on the Exams. You are also responsible for all items in the reading and homework assignments even if they are not discussed in class!

**Remark 2:** There are lots of problems in the book and so not all of them will be assigned. However, if you “understand” the homework”, then you should be able to:

1. **work out or solve** similar problems
2. **combine the different ideas** needed for two problems to solve a third problem

Similar problems are **not just those** where the numbers are changed! The calculus ideas are important even though the algebra may be quite different.

**Remark 3:** There are no make-up exams. The score of the Final Exam will replace the score of the missed exam or the exam with the lowest score. If you miss two exams, then you will need to take the course again.

**Remark 4:** Throughout the entire semester, you will be required to understand the ideas and techniques previously covered at all times. For example, having a thorough understanding of the vectors discussed in Chapter 12 will be necessary throughout the remaining sections covered in this course. It will often be the case that to score well on an Exam, you will need to have an understanding of the many rules or formulas developed in the course. Memorizing these rules and formulas without thoroughly knowing their “meaning” may not be sufficient to pass this course.

**Remark 5:** Cheating – Read about cheating in the SDSU Course Catalogue. You may be given an “F” grade in this course for any kind of cheating. Helping a fellow student during an exam is cheating (both students involved may be given an “F” !!). Using electronic devices during exams and quizzes is cheating in this course. Cheating will also be reported to Student Affairs.

**Syllabus:** We will cover Chapters 10, 12, 13, 14, 15, and most of Chapter 16.

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**Here is Homework # 1:**

**Math 252  Homework #1  Fall 2014  Due Tues., Jan. 28**

**Note:** Due means that you should have completed the reading and working the homework problems.

**Read Sections** 10.1 (659 → 664 Include Cycloid), 10.2 (669 → 674 Skip Surface Area), 10.3, and 10.6.

Skip Sections 10.4 and 10.5.

Section 10.1 #’s 9, 11, 13
Section 10.2 #’s 1, 5, 11, 31, 41
Section 10.3 #’s 1, 3, 11, 17
Section 10.6 #’s 3, 11, 13, 23