MATH 242 - Calculus II (Sec 001 & 002). Fall 2012

Instructor : Thilanka Arachchi Appuhamillage
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Web page : http://math.hawaii.edu/wordpress/thilanka/
Office : Keller 409
Office hours : MWF 10:30 AM - 12 Noon or by an appointment
Course Sections : 001 and 002 (four credit hours)
Class hours : MWF 8:30 - 9:20 AM in Keller 303
Recitation class : F 9:30 - 10:20 AM for Sec 001
                 F 1:30 - 2:20 PM for Sec 002 at PHYSCI 208
TA info. : Your TA is Gretel S. Sia. She has office hours MW 9:30-11:30

Text :

Course Description: Integration techniques and applications, series and approximations and some topics from differential equations. We will be covering Chapters 7 through 9 and some parts of Chapters 16 and 17 from the text book.

For a more detailed description of the topics we will cover, check out the official Math Department syllabus for Math 242 at http://math.hawaii.edu/home/system_wide_math/242-252A-2011.pdf

Grading: Your grade for this course will be determined by your scores in the following areas: Homework, recitation grade and Exams. Each forms a certain percentage of your final grade.

<table>
<thead>
<tr>
<th>Homework + recitation</th>
<th>25%</th>
<th>150 pts</th>
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</thead>
<tbody>
<tr>
<td>Exam 1</td>
<td>~17%</td>
<td>100 pts</td>
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<tr>
<td>Exam 2</td>
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<tr>
<td>Exam 3</td>
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<tr>
<td>Final Exam</td>
<td>25%</td>
<td>150 pts</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td>100%</td>
<td>600 pts</td>
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A: 90-100%; B: 75-89%; C: 60-74%; D: 40-59%; E: 30-39%; F: 0-29% ( + & - will be given)

Lecture and Recitation Format: A typical MWF class will consist of a lecture over the current material. Your Friday recitation class will typically consist of a Q/A time, group work or a quiz.
Homework:
Ill post homework problems on my website at http://math.hawaii.edu/wordpress/thilanka/ under MATH 242. You will have a homework due each recitation class on Friday. Check the website regularly. Most of the problems are from textbook and be sure to turn in nicely written solutions. Homework worth 15% of the Homework + recitation grade.

It is very important that you try all the problems on your own, try hard and take time on a problem before you seek help. The best way to learn is to do! I am always willing to give you hints or even the solution to a problem, but it is most beneficial to you if you try hard first. You will learn more this way. Also, do more problems from the book to make sure you understand!

Recitation: Laboratory assignments and activities (quizzes), for a total of 10% of the Homework + Recitation points, are determined by your recitation instructor.

Exams: There are 3 one hour exams and a cumulative final exam. I do not replace exam scores. There will be NO make-up exams. Alternate exam times must be requested at least a weeks in advance, via the appropriate form, in the case of a verified, qualifying conflict with the midterm or final exam time.

Following are tentative exam dates:

**Exam I :** Wed, Sep. 12, 8:30 - 9:20 am  in class
**Exam II :** Wed, Oct. 10, 8:30 - 9:20 am  in class
**Exam III :** Wed, Nov. 14, 8:30 - 9:20 am  in class
**Final Exam :** Finals week, Time: TBA  Place: TBA

Resources:
- Me (your instructor): Feel free to stop in during office hours, see me before or after class, or drop me an email.
- Your recitation TA also has office hours.
- Mutual Support: Many students find it helpful to form study groups (I strongly encourage this) and meet in the Math Learning Center (or anywhere) where additional help is readily available.
- The Department of Mathematics Tutor Program, part of the College of Natural Sciences Learning Emporium, is housed in Bilger Addition 209. More details, go to http://www.hawaii.edu/natsci/academic/emporium/
- The Learning Assistance Center in Sinclair Library also provides tutoring for some math classes, including Math 242. Please see their web site at http://manoa.hawaii.edu/learning/tutoring.html
**Academic Honesty:** You are encouraged to collaborate on the homework. However, you are still expected to do your own work and not just copy your homework from a friend. If there is evidence of academic dishonesty I will contact the office of Student Conduct and impose an appropriate penalty.

**Note:**

1. **Study of the text book.** One of the goals during this course is to further develop your skills in reading scientific literature. So please be sure to study the text book of every section cover. Be sure to read and understand examples in each section (some examples might be explained in the class).

2. **Mutual support.** This is one of the most important values of the classroom. Getting to know each other, working together and helping each other will greatly benefit everyone. Please keep in mind that number of A’s are not limited, there is one for every student who performs well enough. So you will not be competing each other for good grades.

3. **Help.** Seek help immediately if you are having difficulty. Do not hesitate to see me during my office hours. And also use tutoring programs.

4. **Answers.** If you are not sure of your answer, you should devise ways to check it, and check it until you are sure. Simply verifying that your answer agrees with mine, or with the book’s answer, is not sufficient. You must find independent ways to check it. Try to keep in mind that there is no answer book for every problem you may encounter. At some point you have to develop some self-reliance and ways of checking. That point may as well be now!