Math 240: Calculus, Part III

Summer Session II, 2016

Instructor: Jin Woo Jang
Lectures: DRL 4C4, MTWTh 1:00 PM – 3:10 PM
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General description: This course consists of three parts: vector calculus, linear algebra, and differential equations. The vector calculus section builds on the material from Math 114 and is concerned mainly with calculating contour and surface integrals. In the linear algebra section, we will explore the abstract concept of a vector space. Finally, we will use the methods of linear algebra to find solutions to linear ordinary differential equations. The main web page for the course can be found at http://www.math.upenn.edu/ugrad/calc/240/. Here you will find the core problems, as well as links to the various resources we offer to help you do well in this course. Much useful information can also be found at http://www.math.upenn.edu/ugrad/Undergrad.html.

Course Syllabus: http://www.math.upenn.edu/ugrad/calc/m240/math240syllabus.pdf

Homework and Quiz (25%): Problem sets will be assigned most weeks on Thursday, due the following week on Thursday in the lecture. Late homework will not be accepted. The problem sets are assigned in class and will be re-announced via email each Thursday. Each problem set will have several problems, and three of them will be graded. On Tuesday of every other week, we will have a short quiz. Quiz and problem set grades will be posted on Canvas.

Exams (75%): We will have 1 midterm (30%) and 1 final (45%) in-class exams during the 6-week program. The tentative schedule for these exams is:
- Midterm, Thursday, July 14th, 1:00-3:10PM

- Final exam, Thursday, August 4th, 1:00-3:10PM

A doctor's note will be required in order to be considered for a make-up exam. The midterm and final exams together count for 75% of your final grade. (midterm 30% and final 45%)

**Support:** I will be at the MATH HELP session on MTWTh at DRL 4E19 from 9:00 AM to 1:00 PM. If you have any questions, please visit me there without any appointment made. You can also send me an email if you want to meet me any time after 3:00 PM on MTWTh. The department provides many opportunities for help with this course. Besides myself, you can find help through the calculus help-page at [http://www.math.upenn.edu/ugrad/calc/help/help.html](http://www.math.upenn.edu/ugrad/calc/help/help.html). The department maintains an online chat-room where Math 240 students can ask a TA questions about the material in the course. To access this service follow the link at [http://www.math.upenn.edu/ugrad/calc/help/help.html#online_help](http://www.math.upenn.edu/ugrad/calc/help/help.html#online_help). You can also find the “Math Department Approved Tutors” at [https://www.math.upenn.edu/ugrad/tutors.html](https://www.math.upenn.edu/ugrad/tutors.html).