Mathematics 3113: Partial Differential Equations II
Mathematics 3133: Methods of Mathematical Physics II

Winter 2015

Instructor: Dr. Yin Chen, RB 2017, 343-8608
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Course Webpage: http://flash.lakeheadu.ca/~ychen/math3133.html

Lectures: Monday, Wednesday, and Friday 13:30-14:30 RB 1047

Office Hours: Monday 11:30 - 13:00 and Thursday 12:30 - 14:00

Text: **Elementary Applied Partial Differential Equations**
by Richard Haberman (5th Edition)

Course Content: The course will cover the main topics of chapters 8 - 13 of the text. We will learn the nonhomogeneous PDE problems, Green functions, Fourier and Laplace transforms.

Assignments: There will be 6 assignments, each of which will be given out a week before it is due. The assignments will be collected in class. The one lowest assignment mark of the 6 will be dropped. Late assignments will not be accepted under any circumstances. Valid excuses, such as illnesses with a doctor's note, will instead result in the mark being dropped.

Midterm Exam: The midterm exam will be written in class (13:30 – 14:25, RB 1047) on **Wednesday, February 25, 2015** . In the event that the student is absent for the midterm, if the student has a valid documented excuse, the midterm mark will be dropped and the final exam will account for 80% of the final grade. Otherwise, the student will receive 0.

Course Grade: Assignments 20%

Midterm 20%

Final Exam 60%