Mathematics 3113: Partial Differential Equations II

Mathematics 3133: Methods of Mathematical Physics II

Winter 2016

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
10:30 – 11:30, RB 2026

Office Hours: Monday 13:30 - 14:30
Thursday 13:00 - 13:30
Friday 13:30 - 14:30

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 in this class 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. 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 (10:30 – 11:30) on **Friday, February 26, 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%

Class Particpation 4%

Final Exam 56%