

Information Sheet for Math 430/530 Fall 2012

Class meets: MTRF 11:00 - 11:50 am in MH 115

Instructor: Branko Ćurgus **Office:** BH 178 **Hours:** MTRF 12 noon **Email:** curgus@gmail.com

Course website: http://myweb.facstaff.wvu.edu/curgus/Courses/430_201240/430.html

Text: *Elementary Applied Partial Differential Equations With Fourier Series and Boundary Value Problems* (3rd Edition) by Richard Haberman ISBN-10: 013263807X, or
Applied Partial Differential Equations (4th Edition) by Richard Haberman ISBN-10: 0130652431

Material covered. We plan to cover a selection of topics from Chapters 1, 2, 3, 4, 5, 7, 8, 10, 12 of the textbook.

Exams. There will be two “mid-term” exams and a comprehensive final exam. The “mid-term” exams are scheduled as follows: Thursday, October 25, 2012 and Monday, November 26, 2012. The final exam is scheduled for two hours on Wednesday, December 12, 2012 from 8am to 10am. (Notice that the final exam time is set by the school. I did my best to copy it right from the schedule. Please verify that I did it right.)

On each exam I shall assign two questions closely related to the theory and exercises presented in class and two exercises that are not so closely related to what is covered in class, but are related to the homework problems.

There will be no make-up exams. If you are unable to take an exam for a very serious reason verified in writing, please see me beforehand.

Assignments. There will be two written homework assignments. The assignments will be handed out in class or electronically one week before they are due. These assignments will be graded and the grade will count towards the final grade.

Homework. Your daily homework should consist of studying the material covered in class. Sometimes my presentation in class I will differ from the presentation in the textbook. Study both: your class notes and the book. Analyze the similarities and the differences. This will help you to internalize the concepts and the methods that are being studied. Exercises in the book are there to enhance and challenge the learning process. Use them.

Grading. Each exam and assignment will be graded by an integer between 0 and 100. Your final grade will be determined using the following formula

$$FG = \lceil 0.2 \cdot E1 + 0.2 \cdot E2 + 0.1 \cdot A1 + 0.1 \cdot A2 + 0.4 \cdot FE \rceil,$$

where $E1$, $E2$ are the grades for the in-class exams, $A1$, $A2$ are the grade on the assignments and FE is the grade for the final exam. In the above formula the symbol $\lceil x \rceil$ denotes the ceiling of a real number x . Your letter grade will be assigned according to the following table.

F	: 0 - 49	D	: 50 - 54	C-	: 55 - 59	C	: 60 - 64	C+	: 65 - 69
B-	: 70 - 74	B	: 75 - 79	B+	: 80 - 84	A-	: 85 - 89	A	: 90 - 100

Remarks. This is a fast-paced course. It is essential that you keep up with the material presented every day. Do the exercises at the end of each chapter. Look for help if you encounter difficulties.

Remember that the best way to learn mathematics is to discuss it with others: other students in this class, students that took this class before, and me. I will be glad to talk to you during my office hours, or you can make an appointment.