

Applied Analytical Methods . Math 518-418 Spring 2013

Instructor Dr. Mark Lammers lammersm@uncw.edu 962-3958
250 Bear Hall http://people.uncw.edu/lammersm/

Office Hours MWF 1-2

Text *Partial Differential Equations, with Fourier Series and Boundary value problems.*
Nakhlé H. Asmar, second edition Pearson/Prentice Hall.

Attendance Regular Attendance is expected and may affect your grade.

Undergraduate Student Learning Outcomes

- Gain a thorough understanding of solutions of initial and boundary value problems of partial differential equations.
- Be able to apply methods to solve partial differential equations: separation of variables, integral transforms, and Green's functions.

Graduate Student Learning Outcomes

- Understand theory behind techniques used in solving initial and boundary value problems of partial differential equations.
- Gain a thorough understanding of how the methods: separation of variables, integral transforms, and Green's functions, work in solving partial differential equations.

Grading	2 Tests	200 points		
	Final Exam	100 points	$A \geq 90\%$	$B \geq 80\%$,
	Homework	100 points	$C \geq 70\%$	$D^* \geq 60\%$
	Total	400 points		

* There is no grade of D for Graduate Students.

The instructor reserves the right to change these percentages in the students favor and assign pluses and minuses as he deems appropriate. In addition, the graduates and undergraduates will be held to different standards and those enrolled in the graduate section will be assigned additional questions on the homework assignments and tests.

Homework All examples should be reviewed as the material for those sections is being covered. Some additional homework from the book will be assigned but will not be collected. The homework I will grade will be on a written sheet and handed out in class.

ADA If you have a disability and need reasonable accommodation in this course, you should inform the instructor of this fact in writing within the first week of class or as soon as possible. If you have not already done so, you must register with the Office of Disability Services in Westside Hall (ext. 3746) and obtain a copy of your Accommodations Letter. You should then meet with your instructor to make mutually agreeable arrangements based on the recommendations of the Accommodations Letter.

Web Site Homework and review sheets will be available at the web-site listed above.

Religious Observance Policy In accordance with North Carolina G.S. 116-11(3a), you are entitled to two excused absences for religious observances per academic year. In order to preserve your right to make up any tests or other work missed for religious observance required by your faith, you must inform the Registrar in writing of your intended absence before the end of the first week of class.

Zero Tolerance Policy UNCW practices a zero tolerance policy for violence and harassment of any kind.