

# Applied Analytical Methods . Math 519 Fall 2013

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

**Office Hours**    MWF 2-3

**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.

## 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
Homework and Quizzes		120 points
Total		420 points

The instructor reserves the right to assign pluses and minuses as he deems appropriate.

**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.