MA 508 APPLICABLE MATHEMATICS II Fall 2004

MW 6:00-7:15 p.m. ILB 140

Instructor: Dr. Victoria Sadovskaya. You may call me Victoria.

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Office hours: MW 2:30-4:00 p.m., F noon-1:15 p.m., and by appointment

Course homepage: www.southalabama.edu/mathstat/personal_pages/sadovska/508/508.html

Text: *Advanced Engineering Mathematics (second edition)* by Michael Greenberg.

Objectives and Coverage: This is the second part of a two-course sequence intended to provide a good foundation in various areas of applicable mathematics. We will cover most of Chapter 17, and parts of Chapters 18-20 of the text. Topics include Fourier series, Fourier transform, and their applications to partial differential equations of mathematical physics such as the heat equation, the wave equation, and the Laplace equation.

Attendance policy: The students are expected to attend the classes regularly. Although attendance does not count toward your grade, it is important for your success in the course. You are responsible for any material that you miss.

Exams: There will be two in-class exams and a two-hour final exam. The final will be cumulative, but the material covered after the second exam will be emphasized.

Exam 1:	Wednesday, September 29.
Exam 2:	Monday, November 8.
Final Exam:	Monday, December 13, 6-8 p.m.

All students must plan to take exams at the scheduled times. There will be no make-up exams. If you miss a midterm exam for *unavoidable reasons*, such as illness or a family emergency, the midterm score will be replaced by 2/3 of the final exam score. Otherwise, the score for the missed test will be zero.

Note: Books and calculators cannot be used on the tests. You may bring one standard sheet with notes (both sides) to each of the Exams 1 and 2, and up to three sheets to the Final Exam.

Homework: A homework assignment will be given each Wednesday, it will be due the following Wednesday. *No late homework will be accepted.* The solutions should be neatly and clearly written.

Final grade computation: Your final score will be calculated as follows:

Homework:	30%
Exam 1:	20%
Exam 2:	20%
Final Exam:	30%

Your letter grade will be determined according to the following scale:

A : at least 89%
B : at least 75%
C : at least 60%
D : at least 50%
F : below 50%

Note: The requirements and the policies may be modified as circumstances dictate. Such changes will be announced in class and posted on the course homepage.

Notification of course grades: Final grades can be obtained on line from the Registrar's Office. Do not call the mathematics department to ask about your grade. I will not give grades over the phone or email.

Dropping: The last day to drop from a course is Tuesday, December 7. Please speak with me before making a decision to drop the class.

Academic accommodations: If you have a specific disability that qualifies you for academic accommodations, please notify me and provide certification from the Office of Special Student Services. This office is directed by Ms. Bernita Pulmas and is located in the Student Center, Room 270, Phone 460-7212.