

Summer 2011- Second term (July 06 - August 10)

Math 602-Methods and Applications of Partial Differential Equations

Section 200

MTWRF 10:00-11:35am

Blocker 149

Instructor: Dr. Sheng-Chi Liu

Office: Milner 002

Email: scliu@math.tamu.edu . Please put "Math 602" in the subject line of all course related emails.

Phone: (979)845-6721

Office Hours: TBA. (Check Instructor's webpage)

Textbook: Bleecker and Csordas "*Basic Partial Differential Equations*", International Press.

Instructor's Webpage: <http://www.math.tamu.edu/~scliu>

Departmental Course Webpage:

<http://www.math.tamu.edu/courses/math602/?semester=2011B>

Prerequisites: MATH 601 or MATH 308 and 407.

Course Description We will cover chapters 1-7 of the textbook. The topics are:

1. Review of ODEs and generalities of PDEs
2. First-order linear PDEs
3. The heat equation
4. Fourier series, general Sturm-Liouville theory
5. The wave equation
6. Laplace's equation
7. Fourier transforms

Grades:

Assessment	Percentage	Date
Midterm	35%	July 25 (Monday)
Final Exam	35%	August 10 (Wednesday)
Quizzes	30%	

Last day of class: August 8.

Final Exam Schedule: August 10, Wednesday, 10:30am-12:30pm.

Any appeals of grades on the midterm exams or quizzes must be made within one week of the graded exams being returned to the class. Please keep all graded papers I return to you. In case of missing grades, you will need to provide the graded papers.

Your letter grade will be determined as follows:

$A > 90\%$, $90\% > B > 80\%$, $80\% > C > 70\%$, $70\% > D > 60\%$, $F < 60\%$.

Absences: Make-up exams and quizzes will only be allowed for university approved excuses which must be verified in writing. See <http://student-rules.tamu.edu/rule7.htm>. As noted in the university attendance policy, a “University Sponsored Activity” is not automatically an excused absence. A plane ticket is not an excused absence.

If feasible, University policy requires written notification in advance. Otherwise, two working days are allowed for notification. Excuses must have some form of written verification such as a doctor’s note. Occasionally extra time will be required to obtain written verification and the make-up exam or quiz may be administered before the documentation is produced. Verbal requests do not count as written notification.

If you miss a lecture, you are responsible for obtaining lecture notes from another student. You are also responsible for determining if any announcements were made.

Americans with Disabilities Act (ADA) notice: “The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Disability Services Office, in Room B118 of Cain Hall or call 845-1637.”

Academic integrity: The Aggie Code of Honor is “An Aggie does not lie, cheat, or steal or tolerate those who do.” For more information, see <http://www.tamu.edu/aggiehonor>. If you are unsure what is permitted on an assignment, ask.

Copyright Policy: All printed materials disseminated in class or on the web are protected by Copyright laws. One xerox copy (or download from the web) is allowed for personal use. Multiple copies or sale of any of these materials is strictly prohibited.