

MATH 407 Partial Differential Equations

Section 01 Quarter FALL 2009 Classroom GTM 303 Instructor Dr. Weizhong Dai

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Office Hours 11 am – 12 pm, 1-2 pm, MWF; 10 am – 12 pm, TTR

Course Prerequisites Math 245

Course Goals The instructor will present and test a subset of these topics:
Solution of linear first-order equations. Formulation and solution of second-order problems of parabolic, elliptic, and hyperbolic type.

**Textbook/
Course Outline** Beginning Partial Differential Equations Peter V. O’Neil, Second Edition
Secs. 1.1-1.4, 2.1-2.5, 3.1-3.6, 4.1-4.11, 5.1-5.8, 6.1-6.13

**Attendance
Regulation** Read the “Class Attendance” section in the Tech Bulletin which says in part that “Class attendance is ... an obligation ... and all students are expected to attend regularly and PUNCTUALLY.” Class attendance will be used in determining grades.

Homework Policy Homework problems will be assigned from the section covered.
Homework problems will be collected each Wednesday.

Examinations Two tests and one final will be given during this session.
Test 1 (Chaps. 1-2), test 2 (Chaps. 3-4), final (Chaps. 5-6)

**Grade Determination
Procedure** Each test 30%, final 30%, homework 10%
In the event of a question regarding an exam grade or final grade, it will be the responsibility of the student to retain and present graded materials which have been returned for student possession during the quarter.

**Late Homework/
Exams Missed:** Late homework will not be accepted. If you miss an exam, notify me immediately – no later than the day of the exam. A make-up test will be given only if the absence is excused.

STUDENTS NEEDING SPECIAL ACCOMODATIONS Students needing testing or classroom accommodations based on a disability should discuss the need with the instructor during the first week of class.

HONOR CODE: In accordance with the Academic Honor Code, students pledge the following: Being a student of higher standards, I pledge to embody the principles of academic integrity. For details refer to <http://www.latech.edu/tech/students/honor-code.pdf>.

Emergency Notification System: All Louisiana Tech students are strongly encouraged to enroll and update their contact information in the Emergency Notification System. It takes just a few seconds to ensure you're able to receive important text and voice alerts in the event of a campus emergency. For more information on the Emergency Notification System, please visit.

<http://www.latech.edu/administration/ens.html>