

## Math 4364 Applied Boundary Value Problems II, Spring semester, 2008

**Professor: QI, Yuanwei;**

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**TIME and ROOM of Lectures:** MWF 12:30-1:20pm, MAP 121

Office Hours: MW 1:30–3:20pm, F: 1:30-2:20 pm or by appointment

**Prerequisites:**

Differential Equations, Applied BVP I or CI.

**Textbook:**

Walter A. Strauss, 'Partial Differential Equations', 1st edition, John Wiley & Sons, Inc.

**Grading Scale:** A: 90-100 %,            B: 80-89 %            C: 70-79 %            F: 0-69 %

**Grading Policy:**

1 Final exam 40%, 2 mid-term test 25 % each, attendance & quiz 10 %

**Exams:**

Midterm 1: Jan 30; Midterm 2: Feb 25; Final: April 25

**ATTENDANCE:** We check attendance. Absence from class for three or more times may result in deduction of grades up to 10 %

**HOMEWORKS:** Homeworks will be assigned at each class meeting, but **not collected**. The student is expected to attempt every problem before coming to class.

**Makeup Policy:** In case of documented absence due to religious holidays, family emergencies, illness or official university functions, the university policy for make-up tests, quizzes will be followed. Any other make-up is at the discretion of the instructor.

**Course Objectives:**

The main purposes of the course is to develop methods for obtaining analytical solutions of these equations as well as some qualitative properties of general solutions. Heat equation, wave equation and 2nd order elliptic equations are the main focus.

**In addition:**

1. Final Exam: April 25, 10:30 am-12:30 pm
2. Add/Drop period is: Jan 7-11
3. Deadline for withdraw is: Feb 29
4. University holidays: Martin Luther King Jr. Day, Jan 21, Spring Break, March 10-15

Students need disabilities accommodations must contact professor at the beginning of the course. No accommodation will be provided until the student meet with the professor to request accommodations. Students who need accommodations must be registered with Student Disability Services, Student Resources Center Room 132, phone: (407)-823-2371, TTY/TDD only phone: (407)-823-2116, before requesting accommodations from the professor.

**Remark:** This is a **tough course**, hence please **Work Hard**.