

**MATH 3150 PDES FOR ENGINEERS, SECTION 4
SPRING 2012 SYLLABUS**

Instructor: Fernando Guevara Vasquez.

Contact info: fguevara@math.utah.edu, 801-581-7467, LCB 212.

Office hours: MTW 2-3pm or by appointment.

Textbook: N.H. Asmar, *Partial Differential Equations with Fourier Series and Boundary Value Problems*, Prentice Hall, 2nd ed, ISBN-13: 978-0131480964. (cost: about \$120)

Prerequisites: Vector Calculus (Math 2210), ODEs and linear algebra (Math 2250 or Math 2270/2280 series).

Hours and Classroom: MW 11:50am-12:40pm, MEB 2325

Course Website:

http://www.math.utah.edu/~fguevara/math3150_s12

Grading: weekly homeworks 30%, two midterms (20% each) and a comprehensive final exam (30%).

Exams:

Midterm 1: Wed Feb 15 (tentative date)

Midterm 2: Wed Apr 11 (tentative date)

Final: Wed May 2, **10:30am-12:30pm** (per university's final exam schedule)

Material covered: 1.1–1.2, 2.1–2.4, 3.1–3.8; 4.1–4.4, 7.1–7.5.

Homework: Homework is due in class. No late homework will be accepted, but the lowest homework grade will be ignored.

Programming: Sample code will be given in Matlab for assignments that require programming. No previous programming experience is necessary for this class. Please check class website for more info.

Students with Disabilities: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.