Class Policy

Course: CSCE/Math 4/841, Approximation Theory

Place/Time: AvH 12, 3:30-4:45 TR, Fall 2009

Preq: Math 221, 314 and a programming language.

Objectives: To help students achieve competence in the following areas:

- Basic principles of approximation of functions, including existence and uniqueness.
- Important types of approximations, including polynomial, trigonometric and splines.
- Analysis and computer implementation of algorithms for approximations.

Instructor: Dr. Thomas Shores

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Office Hours: Monday 2:00-4:00, Tuesday 3:30-5:00, Thursday 10:00-12:00, Friday 9:00-10:30, and by appointment. Office: 229 AvH

Class Attendance: Is required. If absent, it is incumbent upon the student to determine what has been missed as soon as possible. It is advisable to consult with the instructor.

Homework/Projects: Homework will be assigned in class and collected in accordance with the syllabus, and will be usually returned within one week. Although collaboration in solving most problems is allowed, it is strictly forbidden to copy someone else's homework. It is expected that co-collaborators and other sources for the homework will be duly acknowledged. Assignments will be due approximately every two weeks, for a total of seven assignments. For some specified problems no collaboration will be allowed. Matlab (Octave) is the official programming language for this course. Prior programming experience with it is not required. Current information about the course will be available through Blackboard and the 441 homepage. Using the web is strongly recommended for keeping track of current activities in the course.

Reading Assignment: Read the sections of the texts as, or before, they are covered in class lectures. This is a standing assignment throughout the semester.

Grade: One midterm will be given and will account for 130 points. The final exam will count 140 points. Each exam may have a take home component. In-class exams are closed book with calculators. Homework will count 230 points. The final grade will be based on these 500 points.

Final Exam: Will be comprehensive. To be given on Tuesday, December 15, 8:30 - 10:30 pm in AvH 12.

Grades of "I", "W" or "P": These grades will be given in strict accordance with University policy. (See any Schedule of Classes for the relevant information and dates.)

Keep This Information!!!