Spring 2014

GRADUATE COURSE ANNOUNCEMENT

Course title	**Numerical Analysis**
Course number	MAP 6407
Schedule, Room	**MWF 8**, Lit 221
Instructor	Maia Martcheva
	maia@ufl.edu
	http://people.clas.ufl.edu/maia
Main themes	**Numerical Methods**

Syllabus:
  (1) Root finding methods.
  (2) Interpolation.
  (3) Approximation theory.
  (4) Numerical differentiation and integration.
  (5) Numerical solutions of ODEs.

Prerequisites: No graduate prerequisites. MATLAB skills.

Requirements:
  (1) There will be two midterms and a final.
  (2) There will be homework assigned after each chapter.
  (3) Students may be expected to make presentation on computer implementation of the methods taught in class.
  (4) Students are expected to attend classes.

Grading: Grades will be based on:
  (1) **Exams:** Each exam will be 100 points. The final exam will be 150 points. 2/3 of the final exam grade will replace a lower midterm exam if bigger. Make up midterm exams will not be given. You are expected to take the final on time to use this rule. Final will be comprehensive.
  (2) **Homeworks:** Each homework will be 20 points. 1-2 problems will be graded out of each homework. Students will receive points for submitting and doing the remaining problems. The lowest homework grade will be dropped from the total. Late homeworks will not be accepted.
  (3) **Presentation:** Presentation will only affect your grade if you are a borderline case.
  (4) **Attendance:** Attendance will only affect your grade if you miss too many classes or your grade is borderline.

Computation of the grades will be explined in class.