Syllabus

Math 4363: Numerical Analysis Fall 2014

Prerequisite: MATH 3404 (Differential Equations) or my consent

Instructor: Mark Arnold
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Office Hours:
MWF 10:30 - 11:20 and by appointment

Text: Burden & Faires, Numerical Analysis, 9th edition*

Material covered: Chapters 1-5 of text and my notes

Grading on a 90/80/70/60 scale based on the following

Exam over chapters 1 and 2 100
Exam over chapters 3 and 4 100
Take-Home Final exam 100
In-Class Final exam (chapter 5 & comprehensive) 100
Homework & Programs 200

Total (after dropping lowest exam) 500

Notes

→ * The 8th (or even 7th) edition of our text is acceptable, but you are responsible for problems assigned from the 9th edition.

→ The final is on Saturday, December 19, 10:15 – 12:15.

→ No exams may be made-up without my prior approval.

→ You are responsible for material covered and announcements made at any lecture, even if you miss that day.

→ Programs will be written in the Matlab programming language; it is available at all of the university general access computing labs (GACL and therefore at vlab.uark.edu). In addition, there are some free programs (e.g. Scilab, Octave) which will also run matlab code, or one could optionally purchase a student version of Matlab.

→ Inclement Weather Policy: A Test will be rescheduled to the next class meeting if the Fayetteville public schools are closed due to weather on a test day.

→ As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail.

Each University of Arkansas student is required to be familiar with and abide by the University’s ‘Academic Integrity Policy’ which may be found at http://provost.uark.edu/

Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.