Math 104A: Introduction to Numerical Analysis — Fall 2016

INSTRUCTOR Paul J. Atzberger
http://atzberger.org/#Teaching
Office: 6712 South Hall
Office Hours: TR 9:15am – 10:45am

CLASS TIMES TR 8:00am – 9:15am.
North Hall 1105.

DESCRIPTION Computational approaches play an important role in many fields ranging from basic scientific research to engineering to economics and finance. This class will discuss both the mathematical foundations and the practical implementation of modern numerical methods. Examples will also be discussed from applications areas. More information is on the course website.

PREREQUISITES Calculus, Linear Algebra, Differential Equations, and some experience programming.

TEXTBOOKS *Numerical Analysis 9th Edition* by R. L. Burden and J. D. Faires.

GRADING

Homework	30%
Midterm	30%
Final Exam / Project	40%

POLICIES Assignments will be assigned in class and posted on the course website. Prompt submission of homeworks will be required. While no late homework will be accepted, one missed homework will be allowed without penalty. While it is permissible for you to discuss materials with classmates, the submitted homework must be your own work.

EXAMS A midterm exam will be on Thursday, October 27th.
Final project is due at the end of the quarter on Wednesday, December 7th.