Math 104A: Introduction to Numerical Analysis   Winter 2016

INSTRUCTOR	Paul J. Atzberger	*Office*: 6712 South Hall
	http://atzberger.org/#Teaching	*Office Hours*: TR 10:45am – 12:15pm

CLASS TIMES   TR 9:30am – 10:45am.
GIRV 2128.

DESCRIPTION   Computational approaches play an important role in many fields ranging from basic scientific research to the design of financial products. 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 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%
Take-home Final Exam	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, February 11th.
Final project is due at the end of the quarter on Wednesday, March 16th.