

Course: **Math 551—Numerical Methods**  
Time: Spring 2010, 12:30-1:45 TTh, JB 335  
Instructor: Tom DeLillo, JB 348, 978-3974(office), 264-7806(home)  
Email: delillo@math.wichita.edu  
Web page: <http://www.math.wichita.edu/~delillo/> (some course info. here)  
Office hours: 2:00-3:00 TTh, or by appointment

Text: Cleve Moler, *Numerical Computing with MATLAB*, SIAM, 2004. I recommend that you also buy the *Student Edition of MATLAB*.

Syllabus: *See notes and code on my web page, especially for introductory and supplementary material.* We will start out with an intro. to floating point arithmetic (sec. 1.7 of text) and a review of linear algebra (Chap. 2 and 10.1 on the svd). Then we will cover in order Chaps. 2 through 7. Time permitting, we will include material from Chaps. 8, 10, and 11.

#### Grading (approximate)

Written Homework	100 points
Computer Homework	100
Exam I	100
Final exam or Project with presentation	<u>100</u>
	400 points total

*Grading scale:* I do not have a fixed grade scale. I will assign grades in a reasonable manner and periodically inform you of how you are doing relative to the rest of the class.

*Attendance policy, etc.:* Regular attendance is mandatory. I will pass around an attendance sheet during each class. Good attendance will count in your favor, if your grade is borderline. If you fall behind or have other problems with the class, please contact me *as soon as possible*. Turning in homework late, missing class, or missing exams for any reason is highly discouraged. I will try to be helpful if you have special difficulties. *If you miss an excessive number of classes, you may fail the course or your grade may be lowered.*

#### *Important dates:*

Spring break: 3/15–3/21.

Last day to drop with a “W”: 4/5.

Last day of classes: 5/10.

Final exam: Thursday 5/13, 10:00-11:50 AM, in classroom.