Math 433 **Spring 2010**

Course:	**Numerical Analysis**
Professor:	Lyudmyla Barannyk
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Office Hours:	MF 4:00 - 5:30 pm and/or by appointment
Book:	*A Friendly Introduction to Numerical Analysis*
	By: Brian Bradie
Time:	MWF 2:30 - 3:20 pm
Location:	Admin 336

Course web site: http://www.webpages.uidaho.edu/∼barannyk/Teaching/Math433.html

Approximate Topics (order may be different):

- Review, Background and Finite Precision Arithmetic
- Numerical Differentiation
- Nonlinear Equations and Root Finding
- Numerical Linear Algebra
- Polynomial Interpolation
- Numerical Integration
- Initial Value Problems
- Function Approximation
- Eigenvalue, Eigenfunction Approximation

Unclaimed Assignment Policy: Assignments not retrieved on the day of return can be picked up during office hours.

Exams: Midterm Exam, Wednesday, March 10
Final Exam, Monday, May 10, 3:00 - 5:00 pm

Calculator Policy: Calculators are not to be used on exams.

Quizzes: No Quizzes!

Homework: Homework will be assigned on Wednesday and due the following Wednesday at the beginning of class. Late homework will not be in general excepted. Homework will either be collected weekly or biweekly depending on the rate we cover the material. A random selection of problems will be graded.

Course Grade:

Midterm Exam:	25%
Final Exam:	35%
Homework:	40%

For Your Information:
Web sites for help with Matlab.

- **http://www.mathworks.com/**

- **http://www.math.ufl.edu/help/matlab-tutorial/**

- **http://www.engin.umich.edu/caen/technotes/matlab.pdf**

- **http://www.me.pdx.edu/∼gerry/MATLAB/**

- **http://www.engin.umich.edu/class/ctms/basic/basic.htm**