

# Math 471–002    Fall 2013    (MWF 8am–9am, 4088 EH)

**Instructor:** Manabu Machida

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**Course Web Site:** Go to <http://www.umich.edu/~mmachida/math471/>. Almost everything about the course can be found on this web site. Important announcements are sometimes made in class.

**Office Hours:** MWTh 11am–12pm (and by appointment).

**Text:** *A Friendly Introduction to Numerical Analysis*, by Brian Bradie (Pearson Prentice Hall, 1st ed., 2005) [ISBN10: 0130130540, ISBN13: 9780130130549]

**Prerequisites:** Differential equations (Math 216, 256, 286, or 316), Linear algebra (214, 217, 417, or 419), and a working knowledge of one high-level computer language (Matlab). No credit granted to those who have completed or are enrolled in Math 371 or 472.

**Syllabus:** Check <http://www.umich.edu/~mmachida/math471/>.

**Attendance:** Attendance is mandatory.

**Assignments:** Homework will be assigned every 1-2 weeks. Some problems will require Matlab programming. Each homework is due at the beginning of the class on the due date. Late homework will not be accepted. You are encouraged to discuss the course material and the assigned homework problems with your colleagues, but are responsible for writing up your own codes and solutions. To receive full credit you must show your work (That is, you must show that you know how to solve the problems). There will be one quiz and two projects.

## Exams:

Midterm Exam	Oct. 25 (Fri)	8am–9am
Final Exam	Dec. 19 (Thu)	8am–10am

Dates for the exams are fixed and are absolutely firm. All students enrolled must plan to take exams at their scheduled times. Travel plans will not be considered an excuse to take an examination on a different date. Contact me immediately if you have any exam conflict.

**Grading Policy:** The course components and their weights are as follows: Homework (27%), Quiz (3%), Projects (10%), Midterm Exam (20%), and Final Exam (40%).