MTH 555-01 Numerical Analysis I

Fall Semester 2014

Time and Place:  TTH 4:30-5:45pm, SC 301
Instructor:  Dr. Ruihua Liu
Office:  SC 105C
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Web Page:  http://academic.udayton.edu/ruihualiu/
Office Hours:  Weekdays 11:00-11:50am, walk-ins or appointments

Prerequisites.  (CPS 132 or CPS 150) or equivalent; MTH 310 or equivalent.

Textbook.  A Friendly Introduction to Numerical Analysis by Brian Bradie.

Material Covered.  Selected sections from Chapter 1-6.

MatLab.  MatLab will be used throughout the course. An introduction will be given in
class to help the students get started with MatLab. If you have never used it before,
you will need to spent after-class time to practice in MatLab. Please do not hesitate
to ask me if you have any questions.

Homework.  Homework will be assigned in class and collected for grading. Students are
expected to complete all assigned problems and turn in at the beginning of class on
the due date.

Project.  Several projects requiring use of MatLab will be assigned and collected for grad-
ing. Students should follow the instructions carefully to complete each project and
turn in at the beginning of class on the due date.

Note.  All homework and projects are expected to be done independently. Simply copying
someone else’s work is considered cheating. Any kind of cheating will NOT be
tolerated and will result in severe academic sanctions.

Exam:  There will be a mid-term exam and a comprehensive final exam, both in-class and
closed-book. Make-up exam will be given only under special circumstances and must
be discussed with me before the scheduled exam. The mid-term exam is tentatively
scheduled on Thursday, Oct. 23. The final is scheduled for Tuesday, Dec. 16,
from 4:30pm to 6:20pm in SC 301.

Breakdown of Grade:  20% — Midterm,  25% — Final,  30% — Homework,  25%
— project,

Grading Scale:  Your course grade will be determined by the scale below (numbers are in
percentages):

    A ≥ 93,  90 ≤ A− < 93,  87 ≤ B+ < 90,  81 ≤ B < 87,  78 ≤ B− < 81,  75 ≤ C+ < 78,
    65 ≤ C < 75,  60 ≤ C− < 65,  F < 60.
**Attendance:** Attendance of class is required and may be taken from time to time. Students are expected to attend every class and arrive on time.

**Calculator Policy for Exam:** Calculators with numerical packages are allowed. Calculators with symbolic packages are not allowed.

**Cell Phone:** Cell phone will not be seen in the classroom.

**Important Dates:** The last day to withdraw without record is **Wednesday, Sept 17**. The last day to withdraw with a record of W — no registration is **Monday, Nov 10**.

Subject to change