

Math 3050WA/WB -- Numerical Analysis and Computing -- Winter 2018
Math 3351WA -- Applied Numerical Methods -- Winter 2018

Instructor: Dr. Liping Liu, RB 2001, Phone: 343-8427, lipingli@lakeheadu.ca

Course Web: <https://mycourselink.lakeheadu.ca/d2l/home>

Office hours: 10:00am-11:00am, Wednesday, RB 2001, or by appointment

Lectures: Math3050WA: 8:30am-10:00am, M & W, AT 1003
Math 3050WB: 2:30pm-4:00pm, T & Th, RB3046
Math 3351WA: 2:30pm-4:00pm, T & Th, RB3046

Labs: Math 3351L-W1: 11:30am-12:30pm, Friday, AT3001
Math 3050L-W1: 11:30pm-12:30pm, Tuesday, AT3001
Math 3050L-W2: 11:30am-12:30pm, Friday, AT3001
Math 3050L-W3: 10:30am-11:30pm, Monday, AT3001
Math 3050L-W4: 10:30am-11:30am, Monday, AT3002

Textbook: Applied Numerical Methods with Matlab for Engineers and Scientists
3rd Edition, by Steven C. Chapra

Course Content: An introduction to various numerical techniques for finding roots of nonlinear equations in one variable, approximating functions, solving systems of linear equations, approximating integrals and solving differential equations.

Assignments: Seven to Eight assignments will be posted on the course website. You will be able to print each assignment and normally you have one week to finish it. Solutions will be posted on the course website. In all due fairness to everyone, answers for overdue assignments will not be accepted.

Exams: There will be two Tests during the term. No make-up test will be provided for students who miss writing any test at the scheduled time. If there is a legitimate (documented) excuse, the final mark will be calculated on the basis of the final exam. Otherwise, a grade of 0% for the missed test will be averaged with other grades. **A three-hour final examination will be scheduled at the end of the term.**

Grading Scheme:

Assignments	15%
Test 1	20%
Test 2	20%
Final Exam	45%

If you are having difficulty, or have questions, please ask me for help!