Math 3050WA/WB -- Numerical Analysis and Computing -- Winter 2019
Math 3351WA -- Applied Numerical Methods -- Winter 2019

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

Course Web: https://mycourselink.lakeheadu.ca/

Office hour: 1:00pm-2:00pm, Wednesday, RB 2001, or by appointment

Classes: Math 3050WA: 11:30am-1:00pm, M & W, RB1042
Math 3050WB: 2:30pm-4:00pm, T & Th, RC1001
Math 3351WA: 2:30pm-4:00pm, T & Th, RC1001

Labs: Math 3050L-W1: 11:30am-12:30pm, Tuesday, AT3001
Math 3050L-W2: 11:30am-12:30pm, Friday, AT3002
Math 3050L-W3: 9:00am-10:00am, Monday, AT3001
Math 3050L-W4: 9:00am-10:00am, Monday, AT3002
Math 3351L-W1: 9:00am-10:00pm, Monday, AT3002

Textbook: Applied Numerical Methods with Matlab for Engineers and Scientists
4rd 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: 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 or talked about in the Labs. In fairness to everyone, answers for overdue assignments will not be accepted.

Exams: There will be a midterm during the term. No make-up midterm will be provided for students who miss writing the midterm 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 midterm will be averaged with other grades. **A three-hour final examination will be scheduled at the end of the term.**

Grading Scheme: Assignments ……...…...………………………… 20%
Midterm ……...…...………………………… 25%
Final Exam …...……………………….....…… 55%

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