

Math 3331 – Fall 2017

Linear Programming and Applications

Instructor: Dr. Liping Liu, RB2001, Ext.8427, lipingli@lakeheadu.ca

Office hours: Wednesday 2:30pm -- 3:30pm or by appointment

Lectures: Monday and Wednesday 11:30am -- 1:00pm in RB 3044

Textbook: *Operations Research--Applications and Algorithms*, 4th Edition
by Wayne L. Winston

Course Web: myCourseLink

Course Content: Linear programming, simplex method, sensitivity analysis, duality, dual simplex method, integer programming and computer tools for solving linear programming and integer programming. These are covered in Chapters 1 - 4, Chapters 6 and Chapter 9.

Assignments: Weekly assignments will be posted on the course website and are due in one week. Each assignment should be handed in the Wednesday class at the due date. In fairness to everyone, late assignments will not be accepted unless there is a valid documented reason.

Examinations: **Mid-term 1 and 2 will be scheduled during the lecture hours at the end of September and the beginning of November 2017.** No make-up tests are provided for students who miss writing the Mid-terms 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 exam will be averaged with other grades. **A three-hour final examination will be scheduled at the end of the term.**

<u>Grading Scheme:</u> Participations	10%
Assignments	15%
Mid-term 1	20%
Mid-term 2	20%
Final Exam	35%

***Do not hesitate to approach me
if you have any questions or if you need assistance in this course!***