

Math 3331 – Fall 2024

Linear Programming and Applications

Instructor: Dr. Liping Liu, lipingli@lakeheadu.ca

Office hours: Wednesday 1:30pm -- 2:30pm or by appointment, RB2001

Lectures: Monday, Wednesday 11:30am – 1:00pm, RB2026

Textbook: *Operations Research--Applications and Algorithms*, 4th Edition, 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 Chapter 3, 4, 6 and 9.

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

Tests: **Three Tests will be scheduled during the term.** No make-up test will be provided for students who miss taking the test at the scheduled time. If there is a legitimate (documented) excuse, the final mark will be calculated based on the other completed tests. Otherwise, a grade of 0% for the missed test will be averaged with other grades. **No final examination** will be scheduled at the end of the term.

<u>Grading Scheme:</u>	Participations	10%
	Assignments	15%
	Test 1	20%
	Test 2	25%
	Test 3	30%

Important Dates: September 3: First day of class
September 16: Final date to register (add)
October 14: Thanksgiving - University closed
October 14 - October 18: Fall study break
November 8: Final date for withdrawal (drop)
December 3: Final day of class

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