

# Math 3331 – Fall 2020

## Linear Programming and Applications

- Instructor:** Dr. Liping Liu, [lipingli@lakeheadu.ca](mailto:lipingli@lakeheadu.ca)
- Office hours:** Tuesday 2:30pm -- 4:00pm or by appointment, Zoom
- Lectures:** Tuesday, Thursday 1:00pm – 2:30pm, Zoom
- 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 at the due date. In fairness to everyone, late assignments will **not be accepted** unless there is a valid documented reason.

**Tests:** **Four Online 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.

<b><u>Grading Scheme:</u></b>	Participations .....	10%
	Assignments .....	15%
	Test 1 .....	15%
	Test 2 .....	20%
	Test 3 .....	20%
	Test 4 .....	20%

- Important Dates:** September 8: First day of class  
September 21: Final date to register (add)  
October 12: Thanksgiving - University closed  
October 12 - October 16: Fall study break  
November 6: Final date for withdrawal (drop)  
December 7: Final day of class

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