Math 3331 – Fall 2013

Linear Programming and Applications

Instructor: **Dr. Liping Liu,** RB2001, Ext.8427, lipingliATlakeheaduDOTca

Office hours: Wednesday 2:30pm -- 4:00pm or by appointment

Lectures: Tuesday and Thursday 4:00pm -- 5:30pm in RB 1023

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. Selected topics from: transportation algorithms and quadratic programming. These are covered in Chapters 1 - 4, Chapters 6 - 7, Chapter 9 and Chapter 11.

Assignments: Weekly assignments will be posted on the course website and are due in one week. All assignments should be placed in the MATH 3331 assignment box on the second floor of Ryan Building before 12:00 midnight of the due date. In fairness to everyone, late assignments will not be accepted unless there is a valid documented reason.

Examinations: **An eighty-minute Mid-term is scheduled during the lecture hour on Thursday, October 17, 2013**. No make-up test is provided for students who miss writing the Mid-term 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.**

Grading Scheme: Assignments…………… ....……... 15%
Mid-term ……...…...……………………… 25%
Final Exam ....……… 60%

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