TEXT: *Introduction to Operations Research, Eighth Edition,* Frederick Hillier and Gerald Lieberman, McGraw-Hill, New York, 2005.
ISBN: 0-07-252744-7

The times listed below are approximate, and may be adjusted as the semester progresses. The two sources for material are the class textbook (CT) and my own prepared notes (PN). Assignments are due on Tuesday if they are listed first below, and Thursday otherwise. Unless otherwise stated, you should turn in hardcopy of your work. The specifics of each assignment will be given in class and posted on the web as the course progresses. Problems that are to be worked by individuals without collaboration will be marked "(I)". Each assignment will be worth 45 points. Each assignment includes all problems not yet collected and assigned one week or more before the due date.

WEEK	DATES	SECTIONS	TOPICS
1	Jan 14-18	1.1-4 2.1-6 3.1-4	Introduction Overview of OR Prototype LP example
2	Jan 21 Jan 22-25	(no class) 3.5-8	Martin Luther King Day LP model and examples

Tuesday, January 22, is the last day to withdraw from the course and not have it appear on your transcript.

3	Jan 28-Feb 1	4.1-5	Principles of simplex method
4	Feb 4-8	 4.6-10	Asgn 1 due Analysis of simplex method
5	Feb 11-15	5.3,6.1-9	Applying sensitivity analysis
6	Feb 18-22	10.1-3	Dynamic programming
7	Feb 25-29	10.4	Asgn 2 due, Dynamic programming Review
8	March 3-7	 14.1-3	Midterm Game theory

Friday, March 7, is the last day to change your grade option to or from "Pass/No Pass".

WEEK	DATES	SECTIONS	TOPICS
9	Mar 10-14	14.5 15.1-2	Game theory and linear programming Decision prototypes and basics
10	Mar 17-21	(no class)	Spring Break
11	Mar 24-28	 15.3-6	Asgn 3 due Applications and utility theory
12	Mar 31-Apr 4	17.1-5	Queueing theory basics and models
13	Apr 7-11	 17.6-11	Asgn 4 due Applications and calculations
Friday, April 11, is the last day to withdraw from the course and receive a grade of W.			
14	Apr 14-18	18.1-5	Inventory models and examples
15	Apr 21-25	20.1-5	Simulation and random numbers
16	Apr 28-May 2	20.6-8	Simulation calculations Asgn 5 due Review

Final Exam: The final exam is a comprehensive exam to be given on Wednesday, May 7, 1:00 - 3:00 pm in AvH 12.

Department Grading Appeals Policy: The Department of Mathematics does not tolerate discrimination or harassment on the basis of race, gender, religion or sexual orientation. If you believe you have been subject to such discrimination or harassment please contact the department. If, for this or any other reason, you believe that your grade was assigned incorrectly or capriciously, appeals may be made to (in order) the instructor, the department chair, the departmental grading appeals committee, the college grading appeals committee and the university grading appeals committee.