

**IE 310**  
**OPERATIONS RESEARCH**  
**FALL 2009**

**Instructor: Necati Aras, Ph.D.**

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**Lecture Hrs:** Tuesday 11:00-13:00 (M2230) and Thursday 10:00-12:00 (M3120)

**Office Hrs:** Tuesday 15:00-17:00 and Thursday 13:00-15:00

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**Teaching Assistant:** Alper Döylen (alper.doyen@boun.edu.tr)

<b>DATES</b>	<b>TOPIC</b>
September 29-30	Introduction to OR and Modeling
October 6,8	LP: Graphical Solution Procedure
October 13,15	LP: Simplex Method
October 20,22	LP: Simplex Method
October 27	LP: Starting Methods
November 3,5	LP: Matrix Form of Simplex, Revised Simplex
November 10,12	LP: Duality
November 15,18	LP: Sensitivity Analysis
November 24,26	The Transportation Problem The Assignment Problem
December 1,3	Network Problems
December 8,10	Network Problems
December 15,17	Integer Programming, Branch-and-Bound
December 22,24	Integer Programming, Branch-and-Bound
December 29,31	Integer Programming, Branch-and-Bound

**Evaluation:**

Quizzes (5): 35%

Midterm Exam: 30% (November 24)

Final Exam: 35%