

In the Name of God

Operation Research I

Fall 2010

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Lectures:

Sunday and Tuesday from 15:00 am 17:00 pm in Kharazmi 205

Office Hours:

Saturday and Monday 3:30 pm to 4:30 pm in Kharazmi 322

Teaching assistants: Fatemeh Asadi

prerequisite: Linear Algebra

References (including but not limited)

1. Operation Research, Application and Algorithms, 3rd Edition by W. L. Winston
2. Operation Research, An Introduction, 8th Edition by H. A. Taha

We will cover the following topics in this course.

1. Introduction to Operation Research and Mathematical Modeling
2. Introduction to Linear Programming
3. Simplex Algorithm
4. Sensitivity Analysis
5. Duality and Post-Optimal Analysis

Evaluation:

You will be evaluated base on the completing assignments on time (20%), Participating class activities and presentations (10%), Midterm exam (30%), and Final exam (40%).

NOTE: Attending classes are compulsory and each absent reduce your final grade by 20/16 mark even absent is permissive.