

Lecture dates and Problem Set due dates from 2019

Feb 5	Course introduction
Feb 7	Optimization models: Excel and JuMP
Feb 12	More optimization models (5 in 7)
Feb 14	Geometry of LPs Problem Set 1 is due
Feb 19	No class today (Monday schedule)
Feb 21	Nonlinear programming
Feb 26	Sensitivity analysis and parametric analysis Problem Set 2 is due
Feb 28	Multi-criteria optimization
Mar 5	Machine learning 1: Support vector machines.
Mar 7	Machine learning 2: Regression Problem Set 3 is due
Mar 12	Midterm 1 (in class)
Mar 14	Integer programming models
Mar 19	Case: Assigning dorms to first year students
Mar 21	No lecture today. Meetings with some groups during class time. Problem Set 4 is due
Apr 2	More IP models; TSP
Apr 4	Branch and bound
Apr 9	2-person 0-sum game theory
Apr 11	How to solve IPs even faster: Guest lecture by Juan Pablo Vielma Problem Set 5 is due.
Apr 16	No class (Patriot's day vacation)

Apr 18	Midterm 2
Apr 23	Greedy algorithms
Apr 25	Local Search in combinatorial optimization
April 30	Heuristic design
May 2	Three mini-lectures in optimization Problem Set 6 is due
May 7	Guest lecture on busing for Boston Public Schools
May 9	Final lecture
May 14	Project presentations
May 16	Project presentations