Econ 536b. Optimization Techniques

Course Type: Graduate  
Course term: Not offered  
Year: 2015

Fundamental theory and algorithms of optimization, emphasizing convex optimization. The geometry of convex sets, basic convex analysis, the principle of optimality, duality. Numerical algorithms: steepest descent, Newton’s method, interior point methods, dynamic programming, unimodal search. Applications from engineering and the sciences.

Prerequisites: MATH 120 and 222, or equivalents. May not be taken after AMTH 237.

[Also ECON 413 / AMTH 437 / EENG437]

Semester offered: Not offered

Source URL: https://economics.yale.edu/courses/econ-536b-optimization-techniques