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