

**Department:** Mathematics and Computer Sciences  
**Division:** Applied Mathematics  
**Level and Major:** Graduate

**Course Title:** Advanced Linear Optimization

**Number of Credits:** 3

**Prerequisite:**

**Lecturer:**

**Course Description:**

**Course Goals and Objectives:**

**Course Topics:**

- Linear Models
- Simplex Method
- Parametric programming
- Column generation
- Dantzig Wolfe
- Decomposition

**Reading Resources:**

**Evaluation:**