Valid inequalities for Integer Programs

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Timetable: 10 hrs.

Course requirements: Linear algebra, advanced knowledge of Linear Programming, basic Graph Theory.

Examination and grading: Seminar on a subject assigned by the Instructor

SSD: MAT/09

Course contents:

- Basic Polyhedral Theory
- Chvatal inequalities
- Split and Mixed-integer inequalities
- Lift and project
- Closures of rational polyhedra