




Course

-  CS-E3190
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This course has already ended.
The latest instance of the course can be found at: [Principles of Algorithmic Techniques: 2023 Autumn](#)

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Materials

This week, we consider linear programming and as a special case, the problem of finding a maximum cut and a minimum flow. The material for flows can be found in the book by Jeff Erickson, Chapter 10.

- **Lecture slides:**
 - [LP.pdf](#)
- **Lecture videos:**
 - [Linear programming intro](#)
- **Lecture script:**
 - Chapter 8 - [script.pdf](#)
- **Reading assignment, Jeff Erickson: Chapter 10, up to (and including) 10.4**
 - Maxflow-Mincut theorem
 - Ford-Fulkerson
- **Tutorial exercises:**
 - [Tutorial08.pdf](#)
- **Graded exercise:**
 - [Graded08.pdf](#)
 - LaTeX template: [08-tex-template.zip](#)
- **Jeff Erickson book:**
 - Chapter 10
- **Wikipedia:**
 - [Linear programming](#)
 - [Max-flow Min-cut](#)

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