Discrete Optimization, Utrecht 2012

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- ▶ discrete (lat. "discernere" ≈ to distinguish)
- course based on script by Guido Schaefer
 - 1. Preliminaries (reviewing some prerequisites)
 - 2. Min spanning trees
 - 3. Matroids and the greedy algorithm
 - 4. Shortest paths in graphs
 - 5. Max flow
 - 6. Min cost flow
 - 7. Matching

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- 8. Integrality of polyhedra
- 9. Complexity (classify problems as "easy" or "hard")
- 10. Approximation algorithms (for certain problems)
- course dates: sept 17/24, oct 8/22, nov 19.
- discussion meeting: dec 3 (questions, suggestions, ...)

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- exam: jan 21 (2013), 13.30 in "Educatorium" (UU).
 Because we did not use sheets, I propose the following compromise: Each student may bring up to five (DIN A4) handwritten pages with notes/excerpts from the manuscript for use (and for feeling better/safer) during the exam.
- Homework (in english!) to be handed in one week after each lecture.
 Please work in groups of 2 or 3!
- homework is mandatory!
 (score 5.5 requested for passing the course)
 No homework credits! (final mark determined by exam)

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