

Part I

Organizational Matters

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- ▶ Modul: IN2004
- ▶ Name: “Efficient Algorithms and Data Structures II”
“Effiziente Algorithmen und Datenstrukturen II”
- ▶ ECTS: 8 Credit points
- ▶ Lectures:
 - ▶ 4 SWS
 - Wed 12:15–13:45 (Room 00.13.009A)
 - Fri 10:15–11:45 (MS HS3)
- ▶ Webpage: <http://www14.in.tum.de/lehre/2018SS/ea/>

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The Lecturer

- ▶ Harald Räcke
- ▶ Email: raecke@in.tum.de
- ▶ Room: 03.09.044
- ▶ Office hours: (per appointment)

- ▶ Tutor:
 - ▶ Richard Stotz
 - ▶ stotz@in.tum.de
 - ▶ Room: 03.09.057
 - ▶ per appointment
- ▶ Room: 03.11.018
- ▶ Time: **Mon 14:00–15:30**

Assessment

- ▶ In order to pass the module you need to pass an exam.

- ▶ Exam:

25 points

100% will be answered correctly

There are no questions allowed from a previous exam

Time allowed: 20 min

Answers should be given in English and German

closed

Assessment

- ▶ In order to pass the module you need to pass an exam.
- ▶ Exam:
 - ▶ 2.5 hours
 - ▶ Date will be announced shortly.
 - ▶ There are no resources allowed, apart from a hand-written piece of paper (A4).
 - ▶ Answers should be given in English, but German is also accepted.

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- ▶ **Assignment Sheets:**
 - ▶ An assignment sheet is usually made available on Monday on the module webpage.
 - ▶ Solutions have to be handed in in the following week before the tutorial on Monday.
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1 Contents

Part 1: Linear Programming

Part 2: Approximation Algorithms

2 Literatur



V. Chvatal:

Linear Programming,

Freeman, 1983



R. Seidel:

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D. Bertsimas and J.N. Tsitsiklis:

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Athena Scientific, 1997



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Marchetti-Spaccamela, and M. Protasi:
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