

# 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 Räche
- ▶ Email: [raecke@in.tum.de](mailto: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 considered passing

There are no resits allowed, you have a maximum of one attempt

Exam is given in English

Answers should be given in English, but German is also

allowed

# 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).
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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.
  - ▶ You can hand in your solutions by putting them in the right folder in front of room 03.09.020 or in person in the tutorial.
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# 1 Contents

Part 1: Linear Programming

Part 2: Approximation Algorithms

## 2 Literatur



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*Linear Programming,*

Freeman, 1983



R. Seidel:

*Skript Optimierung, 1996*



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Marchetti-Spaccamela, and M. Protasi:  
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