# Part I

# **Organizational Matters**

EADS II
Harald Räcke

2

## The Lecturer

► Harald Räcke

► Email: raecke@in.tum.de

▶ Room: 03.09.044

Office hours: (per appointment)

## Part I

# **Organizational Matters**

► 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/2017SS/ea/

EADS II
Harald Räcke

# **Tutorials**

- ► Tutor:
  - Richard Stotz
  - stotz@tum.de
  - Room: 03.09.057per appointment
- ▶ Room: 03.11.018
- ► Time: Wed 16:00-17:30

EADS II Harald Räcke EADS II
Harald Räcke

-

#### 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.

EADS II
Harald Räcke EADS II

### 1 Contents

Part 1: Linear Programming

Part 2: Approximation Algorithms

#### **Assessment**

- Assignment Sheets:
  - ► An assignment sheet is usually made available on Wednesday on the module webpage.
  - Solutions have to be handed in in the following week before the lecture on Wednesday.
  - You can hand in your solutions by putting them in the right folder in front of room 03.09.020.
  - Solutions have to be given in English.
  - Solutions will be discussed in the subsequent tutorial.
  - ▶ The first one will be out on Wednesday, 3 May.

EADS II
Harald Räcke

### 2 Literatur



V. Chvatal:

Linear Programming, Freeman, 1983



Skript Optimierung, 1996



D. Bertsimas and J.N. Tsitsiklis:

Introduction to Linear Optimization,

Athena Scientific, 1997



Vijay V. Vazirani:

Approximation Algorithms,

Springer 2001

