Part I

Organizational Matters

Harald Räcke

17. Apr. 2018 2/10

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/2018SS/ea/

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Tutorials

- ► 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:
 - 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.

Harald Räcke

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1 Contents

Part 1: Linear Programming

Part 2: Approximation Algorithms

Assessment

- 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.
 - Solutions have to be given in English.
 - Solutions will be discussed in the subsequent tutorial.

► The first one will be out on Monday, 16 April.

Harald Räcke

2 Literatur



Linear Programming, Freeman, 1983

R. Seidel:

Skript Optimierung, 1996

D. Bertsimas and J.N. Tsitsiklis:

Introduction to Linear Optimization,

2 Literatur

Athena Scientific, 1997

Vijay V. Vazirani:

Approximation Algorithms,

Springer 2001

David P. Williamson and David B. Shmoys: The Design of Approximation Algorithms, Cambridge University Press 2011 G. Ausiello, P. Crescenzi, G. Gambosi, V. Kann, A. Marchetti-Spaccamela, and M. Protasi: Complexity and Approximation, Springer, 1999 2 Literatur	17. Apr. 2018 10/10		