# **Organizational Matters**



# **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/



# **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/



# **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/



# **Organizational Matters**

- Modul: IN2004
- Name: "Efficient Algorithms and Data Structures II"
  "Effiziente Algorithmen und Datenstrukturen II"
- ECTS: 8 Credit points
- Lectures:
  - 4 SWS
    Wed 12:15-1

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/



# **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/



### **The Lecturer**

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



### **Tutorials**

#### Tutor:

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



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.



- 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.



- 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.



- 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.



- 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.



- 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.



#### 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.



#### 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.



- 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.



- 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.



- 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.



- 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.



- 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.



### **1** Contents

### Part 1: Linear Programming

### Part 2: Approximation Algorithms



1 Contents

### 2 Literatur



V. Chvatal:

*Linear Programming*, Freeman, 1983



R. Seidel:

Skript Optimierung, 1996

D. Bertsimas and J.N. Tsitsiklis: Introduction to Linear Optimization, 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

