



Felix Friedrich & Hermann Lehner

# Computer Science II

Course at D-BAUG, ETH Zurich

Spring 2020

# Welcome!

## Course homepage

<http://lec.inf.ethz.ch/baug/informatik2>

## The team:

Lecturers

Felix Friedrich

Hermann Lehner

Assistants

Prashanth Chandran

Sverrir Thorgeirsson

Vu Nguyen

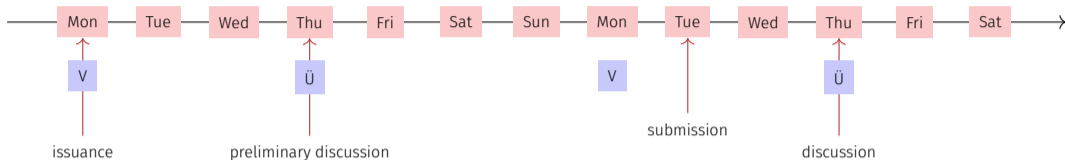
Jan Osusky

Michael Seeber

Back-office

Katja Wolff

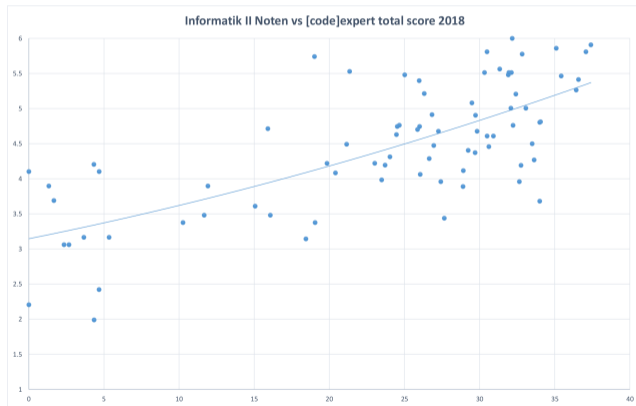
# Exercises



- Exercises available at lectures.
- Preliminary discussion in the following recitation session
- Solution of the exercise until two days before the next recitation session.
- Discussion of the exercise in the next recitation session.

# Exercises

- The solution of the weekly exercises is voluntary but **strongly** recommended.



# It is so simple!

For the exercises we use an online development environment that requires only a browser, internet connection and your ETH login.

If you do not have access to a computer: there are a a lot of computers publicly accessible at ETH.

**Algorithmen und Datenstrukturen**, *T. Ottmann, P. Widmayer*,  
Spektrum-Verlag, 5. Auflage, 2011

**Algorithmen - Eine Einführung**, *T. Cormen, C. Leiserson, R. Rivest, C. Stein*,  
Oldenbourg, 2010

**Introduction to Algorithms**, *T. Cormen, C. Leiserson, R. Rivest, C. Stein*, 3rd  
ed., MIT Press, 2009

**Algorithmen Kاپieren**, *Aditya Y. Bhargava*, MITP, 2019.

# Exams

The exam will cover

- Lectures content (lectures, handouts)
- Exercise content (recitation hours, exercise tasks).

# Exams

Written exam.

We will test your practical skills (algorithmic and programming skills) and theoretical knowledge (background knowledge, systematics).



# Offer

- Doing the weekly exercise series → bonus of maximally 0.25 of a grade points for the exam.
- The bonus is proportional to the achieved points of **specially marked bonus-task**. The full number of points corresponds to a bonus of 0.25 of a grade point.
- The **admission** to the specially marked bonus tasks can depend on the successful completion of other exercise tasks. The achieved grade bonus expires as soon as the course has been given again.

# Offer (concretely)

- 3 bonus exercises in total; 2/3 of the points suffice for the exam bonus of 0.25 marks
- You can, e.g. fully solve 2 bonus exercises, or solve 3 bonus exercises to 66% each, or ...
- Bonus exercises must be unlocked ( $\rightarrow$  experience points) by successfully completing the weekly exercises
- It is again not necessary to solve all weekly exercises completely in order to unlock a bonus exercise
- Details: exercise sessions, online exercise system (Code Expert)

# Academic integrity

**Rule:** You submit solutions that you have written yourself and that you have understood.

We check this (partially automatically) and reserve our rights to adopt disciplinary measures.

# Should there be any Problems ...

- with the course content
  - definitely attend all recitation sessions
  - ask questions there
  - and/or contact the assistant
- further problems
  - Email to lecturer (Felix Friedrich, Hermann Lehner)
- We are willing to help.