

DEBUGGING: COURSE ORGANIZATION

WS 2017/2018



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Debugging

6 stages of debugging:

1. That can't happen
2. That doesn't happen on my machine
3. That shouldn't happen
4. Why does that happen?
5. Oh, I see
6. How did that ever work?

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How can we structure the debugging process?

Course Outline

- tracking and reproducing problems in software
- debugging methodologies
- isolating and understanding failure causes
- locating and fixing defects

learning objectives: concepts for a structured debugging process

Course Organization

■ lecture

- blocked in Nov. 2017
for exact dates and times see KUSSS
- attendance is not mandatory
- course material:
 - *Why Programs Fail* by A. Zeller (2nd edition)
 - slides (available at <http://fmv.jku.at/dbg>)
- exam in Dec 2017, Jan 2018, March 2018

■ exercises

- published Nov 28, 2017 in Moodle
- deadline: Feb 14, 2018 in Moodle
- in groups of up to three students

Grading

■ exam

- 40 points
- for passing you need one exam with more than 20 points
- the best of the three exams will be considered
- registration in KUSSS necessary
- about content of lecture

■ exercises

- 20 points
- if your group hands in the solution to the exercises before the deadline, the group will be invited to present the solutions in a personal meeting
- points will be awarded based on quality of solution and presentation

Grading Scheme

- 51 – 60 points: Sehr Gut
- 41 – 50 points: Gut
- 31 – 40 points: Befriedigend
- 21 – 30 points: Genügend
- ≤ 20 points: Nicht Genügend

certificates will be issued

- as soon as you have a positive exam and presented your exercise solutions
- otherwise, after the third exam (only if you participated in at least one exam or handed in exercises)

Questions?