VL+UE LOGIC: COURSE ORGANIZATION

WS 2020/2021 (342.208, 342.209, 342.W09)

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Version 2020.1

Objectives of this Course

In this course, you will learn to

- understand logic formulas
- use concise mathematical notations
- formulate and solve problems in formal languages
- reason with logics manually and algorithmically

This course consists of lectures and exercises.

Organization of the Course

Lecture

- ~~each week: Tuesday, 8:30–10:00, HS 1~~
- links to prerecorded lectures in Moodle

Minitest

- each week: Tuesday, 10:00–10:45,
  - online in Zoom + Moodle
  - working time: 15 minutes

Exercises

- each week: Tuesday, 10:45–11:45, online in Zoom
- live stream in Zoom
- based on the lecture recording of the respective week
- presented by lecturer

Grading

- weekly minitests during the winter semester (recommended)
  - optionally supplemented by lab exercises
  - if passed positively, no further exam is required
  - details on the next slides
- alternative: one big exam
  - over whole content of the course (lecture and exercises)
  - end of semester, spring 2020, autumn 2020
  - extra registration in KUSSS required
  - most likely online

In either case, you get two certificates (with the same grade): one for the lecture and one for the exercises

Structure of this Course

		assignments		
name	lectures	mini-tests	labs	required positive
Module SAT	4	4	1	2
Module FO1	3	3	1	3[1]
Module FO2	3	3	1	
Module SMT	2	2	1	1

[1] From FO1 + FO2. Further, ≥ 7.5 points in FO1 and ≥ 7.5 points in FO2 are required.

Minitests

- if you hand in one test, you will get the certificates
- each week
- duration: 15 minutes (plus 15 minutes before and after for identity control)
- everybody has to individually solve a test similar to the exercises discussed in the previous week
- this test is online in moodle
- each handed-in test is worth up to 5 points
- a handed-in test is positive with ≥ 2.5 points
  - up to 1 additional point can be earned by solving the weekly challenges
- no test can be repeated or taken at a later time

Organization of Minitest

- a minitest will be open from 10:15–10:30 in Moodle
- all answers have to be entered online
- grading will be announced later in Moodle

identity control

- via Zoom: 15 minutes before and after tests
- participation in Zoom session is mandatory (the full time)
- Zoom account with JKU-association has to be used
- entering the Zoom session will be only possible at 10:00 (strict) from waiting room
- no exceptions! Details in Moodle

Weekly Challenge

- each Tuesday, we publish a weekly challenge
- this challenge can be submitted until the given deadline (before the minitest!) via Moodle
- you can earn up to one extra point that is counted for this minitest (BUT: maximum is still 5 points)
- assume you obtain t points on the minitest and you get c for the weekly challenge, then you get $min((t + c), 5)$ points
  - example 1: you have 1.5 points on the minitest. With the point from the weekly challenge you have 2.5 points (positive!!!!)
  - example 2: you have 5 points on the minitest. With the point from the weekly challenge you have 5 points.

Lab Exercises

- the lab exercises have a tool aspect and are voluntary
- each handed-in lab exercise is worth up to 5 points
- solutions of handed-in lab exercises have to be presented orally
- a lab exercise is positive with ≥ 2.5 points
- dates for the lab exercises depend on the date of their announcement:
  - Week X: announcement of lab exercise
  - Week X+2 (or 3): submission
  - Week X+3 (or 4): presentation

Grading

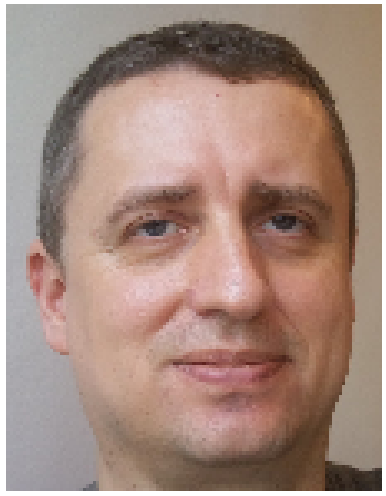
- to pass the course you need to have
  - the required number of positive assignments for each module
  - enough points in total (see below)

grading scheme:

≥ 52.5 points:	1	very good (sehr gut)
≥ 45 points:	2	good (gut)
≥ 37.5 points:	3	satisfactory (befriedigend)
≥ 30 points:	4	sufficient (genügend)
< 30 points:	5	insufficient (nicht genügend)

Lecturers

Armin Biere



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Questions?

1. ask your colleagues
2. ask in the exercise class
3. consult the teaching assistants (time and location is announced in Moodle)
4. ask in the Moodle forum if you have a question of general interest
5. write an email if you have a personal question that is not of interest to your colleagues (otherwise use the forum)

Resources:

http://fmv.jku.at/logic