

VL Logik (LVA-Nr. 342208), Winter Semester 2014/2015

Course Organization

Version 2014.1

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Objectives of this Course

In this course, you will learn

- to understand logic formulas,
- how to use concise mathematical notations in the context of logic and theoretical computer science,
- how to formulate and solve application problems in formal languages, *and*
- how to reason with logics manually and algorithmically.

This course consists of *lectures* and *exercises*.

Content of this Course

name	lectures	assignments		required positive assignments
		tests	labs	
Module 1: SAT	4	4	1	2
Module 2: First-Order	6	6	2	3
Module 3: SMT	2	2	1	1

lab assignments are voluntary

Organization of the Course (1/2)

Lecture

- each week
- one final exam at the end of the semester
- grade is independent of grade for exercises (content is very related!)

Tests

- each week
- directly after the lecture
- In the first 15 minutes, everybody has to individually solve a test similar to the exercises discussed in the previous week.
- This test will be corrected and is used for the grade of the exercise course.
- Each handed-in test is worth up to 5 points.
- A handed-in test is positive with ≥ 2.5 points.
- No test can be repeated or taken at a later time.

Organization of the Course (2/2)

Exercises

- After the test, which is handed in, new exercises will be discussed.
- Topics are selected from the lecture on the same day.
- This material is used as basis for the test in the following week.

Labs

- 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
 - have the required number of positive assignments for each module.
 - have enough points in total.

- Grading scheme:
 - ≥ 52 points: 1 very good (sehr gut)
 - ≥ 44 points: 2 good (gut)
 - ≥ 36 points: 3 satisfactory (befriedigend)
 - ≥ 28 points: 4 sufficient (genügend)
 - < 28 points: 5 insufficient (ungenügend)

Lecturers



Armin
Biere



Wolfgang
Schreiner



Martina
Seidl



Wolfgang
Windsteiger

Questions?

1. Ask your colleague.
2. Ask in the Moodle forum if you have a question of general interest.
3. Write an email if you have a personal question.

Resources:

<http://fmv.jku.at/logik>