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*. 
## Structure of this Course

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<tr>
<td>Module 1: SAT</td>
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<td>Module 2: First-Order</td>
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<td>1</td>
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</table>

A lab assignment is voluntary and can replace a test of the same module.
Organization of the Course

Lecture

- each week (Tuesday, 8:30–10:00)
- grade: final exam at the end of the semester
- grade is independent of grade for exercises

Exercises

- each week (Tuesday, 10:15–11:45)
- based on the lecture of the same day
- presented by lecturer
- grade: weekly test
Exercise Tests

- each week
- first 15 minutes of the exercises
- 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 $\geq 2.5$ points
- no test can be repeated or taken at a later time
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:
  - $\geq 52$ points: 1 very good (sehr gut)
  - $\geq 44$ points: 2 good (gut)
  - $\geq 36$ points: 3 satisfactory (befriedigend)
  - $\geq 28$ points: 4 sufficient (genügend)
  - $< 28$ points: 5 insufficient (nicht genügend)
Lecturers

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Martina Seidl

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Questions?

1. ask your colleagues

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