Übung Formale Grundlagen

Intro

Ondřej Smetana

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15.10.2026
04-006-1001.ÜB02

Organization - Lecture

- Lecturer **Fabian Heck**, `heck@uni-leipzig.de`
- Lecture slides: `home.uni-leipzig.de/heck/`
- Study material: slides, Tutorial, Übung
- Partee, B. H., Ter Meulen, A., & Wall, R. E. (1993). *Mathematical Methods in Linguistics* (Vol. 30). Springer Netherlands. https://doi.org/10.1007/978-94-009-2213-6

Organization - Übung

- `ondrej.smetana@uni-leipzig.de` (subj: Formale Grundlagen)
- Übung is in English
- Every other Thursday, 15:15 – 16:45 (8 sessions), Hörsaal 4 H1.043, Hörsaalgebäude
- Moodle (?)
- 5 min pause after 45 mins ?

Organization - Übung

	Date	From	To	Room
1	Th, 15. Oct. 2026	15:15	16:45	Hörsaal 4 H1.043
2	Th, 29. Oct. 2026	15:15	16:45	Hörsaal 4 H1.043
3	Th, 12. Nov. 2026	15:15	16:45	Hörsaal 4 H1.043
4	Th, 26. Nov. 2026	15:15	16:45	Hörsaal 4 H1.043
5	Th, 10. Dec. 2026	15:15	16:45	Hörsaal 4 H1.043
6	Th, 7. Jan. 2027	15:15	16:45	Hörsaal 4 H1.043
7	Th, 21. Jan. 2027	15:15	16:45	Hörsaal 4 H1.043
8	Th, 4. Feb. 2027	15:15	16:45	Hörsaal 4 H1.043

Introduction

- Ondřej

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- ✔ Ondrej, ✔✔ Ondra (use *du* not *Sie*)

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- ✘ Ondej
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- ✘ Andreas

Your Turn!

1. Name
2. Study program, semester
3. Your opinion on the first lecture
4. What did you find easy?
5. What did you find difficult?

What is this about?

- Equip you with basics of formal logic, training in abstract thinking, terminology

Syntax Formalization of syntactic structures (formal languages)

Morphology Allomorphes form the set of realizations of a morph

Phonology Phonological features define a set of sounds

Semantics The most obvious use of logic (functions, relations, predicates, proofs, λ-calculus)

The Most Important Thing

Ask, ask, ask!
There are no “dumb” questions

- Your (constructive) feedback is welcome
- We can make the Übung to your liking