

Welcome – VU Semantische Technologien 2013 (707.011)

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English or German?

Slides will be in English – but if all students are German-speaking the course will be in German!

What you will hear today...

Who are we?

What will you learn?

How is the course organised?

How will you get graded?

Introduction and Motivation to Semantic Technologies

We...

Work also at the Know-Center (and the Knowledge Technologies Institute of course)

Have implemented, acquired, managed many innovative knowledge technology projects (industry and research)

What will you learn?

Data modelling

Semantic technologies

Related topics

How is the course organised?

Main lectures: Compulsory attendance, Workshop-style, mini-exam at the end

- 1: Entity-Relationship Modelling (Oct 31, Workshop-Style, compulsory attendance, no laptop)
- 2: XML, XML Schema, Xquery/Xpath (Nov 7, Workshop-Style, compulsory attendance, laptop)
- 3: RDF, SPARQL (Nov 14, Workshop-Style, compulsory attendance, laptop)
- 4: RDFS, OWL (Nov 21, Workshop-Style, compulsory attendance, laptop)
- 5: Model-theoretic Semantics (Nov 28, Workshop-Style, compulsory attendance, no laptop)

Supplementary lectures: Workshop-style or lectures

- 6: Linked Open Data (Dec. 5, probably workshop-style, laptop)
- 7: Information Visualisation and Visual Analytics (Dec. 12, lecture)
- 8: Ontology Engineering (Jan 9, probably workshop-style, no laptop)

How is the course organised?

Exam and Preparation

- 9: Exam preparation (Jan 16)
- 10: Exam (Jan 23)

How will you get graded?

Compulsory attendance and involvement in main lectures 1-5

- 1 Non-attendance permitted
- Punctual attendance expected!

Mini-Exams at the end of main lectures (1/3 of the final grade)

- Laptops and Internet access permitted/required

Exam at the end of the semester (2/3 of the final grade)

- Paper-based

A note on communication and work ethics

Communication opportunities: Weekly in class and per mail (response may take some time!)

- Mail: VUSemTech@know-center.at

Work Ethics

- We expect you to do the work on your own
- If we find out that you have copied your work or otherwise cheated, the grading is negative.

You...

	#Yes	#No
Who has done data modelling?		
Who has worked with XML?		
Who has worked with RDF(S)?		
Who has worked with OWL?		
Who has worked with Xquery?		
Who has worked with Xpath?		
Who has worked with SPARQL?		
Who has worked with Java?		
Who has worked with triple stores?		

Who does NOT have a laptop?

Most lectures are workshop style and require you bring your own laptop... (see lecture overview slide and website)

Any Questions?