

# T-(538|725)-MALV, Natural Language Processing

## About this course

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- 1 Learning outcome and text books
- 2 Course assessment and projects
- 3 Lectures

**1** Learning outcome and text books

2 Course assessment and projects

3 Lectures

# Learning outcome and content

## Learning outcome

The course objectives are that students:

- Know the main methods used in the field of natural language processing
- Are familiar with the main research areas in the field
- Are able to implement a system which processes a natural language

## Content

See the web page of the course.

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## Main text

An Introduction to Language Processing with Perl and Prolog

## Other books - available in the RU library

- Foundations of Statistical Natural Language Processing
- Speech and Language Processing
- Handbook of Natural Language Processing
- Learning Perl

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## Individual parts

- Programming projects: **40%**
  - 5 for MSc students, 4 for BSc students. Can be worked on in a group of two students.
- A final written exam: **30%**
  - The grade 5.0 is needed to pass the course.
- Participation in course: **15%**
  - MSc students: Reading and presentation of a paper.
  - Participation in class and in forum discussion.
- Three assignments: **15%**
  - Assignments are worked on individually.
- The grade for projects decreases by 1 for each day of late return. Projects are not accepted if handed in more than two days late.

# The programming project

## Consists of five parts

- Part I: Tokenisation
- Part II: PoS tagging
- Part III: Shallow parsing
  - BSc students receive this part for “free”
- Part IV: Discourse model
- Part V: Final project

# The project schedule (and days to prepare)

- Week 3: Assignment I: 28.09.2009 (7 days)
- Week 5: Programming Project I: 08.10.2009 (10 days)
- Week 6: Assignment II: 19.10.2009 (7 days)
- Week 8: Programming Project II: 29.10.2009 (10 days)
- Week 9: Programming Project III: 09.11.2009 (10 days)
- Week 10: Assignment II: 16.11.2009 (7 days)
- Week 11: Programming Project IV: 23.11.2009 (7 days)
- Week 12: Final Project: 02.12.2009 (9 days)

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## Format

- The lectures are recorded outside the classroom.
- The lectures will be used by MSc students at University of Applied Sciences, Darmstadt, Germany.
- The lectures in the timetable can therefore be used for discussion about the material, clarification, group work, problem solving, etc.
- Come prepared for class!