1 General Information

Seminar: Wednesday, 8.30am, room 1.13
Webpage: http://www.sfs.uni-tuebingen.de/emmy/parsing
Credits: 3 CP (BA), 5 (MA)
Instructor: Laura Kallmeyer, Wolfgang Maier
Office hours: On appointment
Office: Hauserstr. 11, 2nd floor
Phone: 29-77513, 29-77474
Email: {lk, wmaier}@sfs.uni-tuebingen.de

Examination regulations of the Neuphilologische Fakultät require that students attend courses regularly. If students do not attend a course meeting on more than two occasions in one semester without proper excuse (e.g., doctor’s note), the course instructor has to give them a failing grade.

You are expected to come on time. Being late without good reasons will count as not having attended a course meeting.
Your grade will be based on three components: The midterm exam (50%), the final exam (50%). In addition, to obtain the grade, you have to hand in 50% of the homework exercises.

2 Course Schedule

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<td><strong>General Introduction</strong>: Grammar formalisms and parsing as deduction.</td>
<td>Hopcroft and Ullman (1979); Shieber (1985); Shieber et al. (1995)</td>
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<td>6.5</td>
<td><strong>TAG 1</strong>: Introduction to the formalism, CYK parsing for TAG.</td>
<td>Joshi et al. (1975); Joshi and Schabes (1997); Vijay-Shanker and Joshi (1985); Kallmeyer and Satta (2009)</td>
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<td><strong>TAG 2</strong>: Earley parsing</td>
<td>Joshi and Schabes (1997); Schabes and Joshi (1988); Nederhof (1997)</td>
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<td>27.5</td>
<td><strong>MCFG/LCFRS 1</strong>: Introduction to the formalism, basic CYK parsing</td>
<td>Seki et al. (1991); Vijay-Shanker et al. (1987); Weir (1988); Burden and Ljunglöf (2005)</td>
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<td>10.6</td>
<td><strong>Midterm exam</strong></td>
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<td>17.6</td>
<td><strong>Discussion of midterm exam</strong></td>
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<td>24.6</td>
<td><strong>Simple RCG</strong>: Incremental Earley parsing</td>
<td>Boullier (1998)</td>
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<td><strong>Thread Automata</strong></td>
<td>Villemonte de La Clergerie (2002)</td>
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<td>8.7</td>
<td><strong>RCG 1</strong>: Introduction to the formalism, top-down parsing.</td>
<td>Boullier (1998, 2000)</td>
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<td>15.7</td>
<td><strong>RCG 2</strong>: CYK parsing, Earley-style parsing.</td>
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References


