Frank Richter:

Introduction to HPSG

Seminar:	Monday 9ct–11 at the SfS, Seminarraum 1.13 and Wednesday 9ct–11 at the SfS, Seminarraum 1.13
Seminar starts:	Monday, 24th October 2005
Office Hours:	Monday 11.00 – 12.00

Office No. at SfS	Phone #	Email
2.17	29-78489	fr@sfs.uni-tuebingen.de

- Webpage: `http://www.sfs.uni-tuebingen.de/~fr/`
- Special session on oral presentations: Monday, October 31st
- Final exam: in the last week of classes, on February 15th

Participation and Grading Policy

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.
Please do not put me in a position to have to fail you for this reason. If you cannot come to class, please email me ahead of time, if at all possible.
You are expected to come on time. In some of the class meetings students will give oral presentations (more on this below). It is a matter of common courtesy to not make their work harder by disturbing them by being late. Being late without good reasons will count as not having attended a course meeting.

- B.A. students (6 credits):

  Your grade for this course will be based on the following items:

  1. An in-class presentation (*Referat*): Your presentation should be based on either a printed hand-out or a power point presentation. The presentation will count for a total of 40% of your grade: 20% for the quality of the hand-out, and 20% for the quality of the oral presentation.
  2. A final exam in the form of either a 3-hour long, written exam or a 30-minute oral exam. You have to choose in advance whether you want to sit the written exam or take the oral exam. This choice has to be submitted in writing by December 21st, 2005.

- M.A. students (10 credits):

  Your grade for this course will be based on the following items:

1. An in-class presentation (*Referat*). Grading policy same as for the B.A. students.
2. A written term paper or software project. The grade of the paper will count 60% of your final grade.

Reading Assignments

Please read the assigned reading in advance of the class meeting for which it was assigned. I will presuppose that you have read the material when we discuss it in class.

Oral Presentations (Referate)

Gaining practical experience with oral presentations is an important objective of this course. There will be a special class meeting dedicated to how to prepare and give oral presentations.
Participants will be required to choose the topic of their presentation by the class meeting on Wednesday, November 16th. For your presentations the following two rules are important:

- You should have an appointment with me no later than *one week before* your presentation in order to discuss open questions and the structure and content of your presentation.
- At the beginning of the class meeting one week before your presentation you will have five minutes to tell the other participants about how to prepare for your presentation. You are expected to give a very brief overview of the topic of your talk and to inform the participants what to focus on when they read the paper on which your presentation is based.

Course Readings (tentative)

Copestake, Ann, Flickinger, Dan, Pollard, Carl, and Sag, Ivan A. 2003. Minimal Recursion Semantics: An introduction. *Note:* Journal submission, November 2003.

Dowty, David R., Wall, Robert E., and Peters, Stanley 1981. *Introduction to Montague Semantics*. D. Reidel Publishing Company.

Ebbinghaus, Heinz-Dieter, Flum, Jörg, and Thomas, Wolfgang 1992. *Einführung in die mathematische Logik*. B.I.-Wissenschaftsverlag, 3rd edition.

Kasper, Robert T. 1996. Semantics of recursive modification. *Note:* Unpublished Manuscript, September 11th, 1996. The Ohio State University.

Levine, Robert D. and Meurers, W. Detmar 2005. Head-Driven Phrase Structure Grammar. Linguistic Approach, Formal Foundations, and Computational Realization. In Keith Brown (ed), *Encyclopedia of Language and Linguistics*. Oxford: Elsevier, 2nd edition.

Nerbonne, John 1992. Constraint-based semantics. In Paul Dekker and Martin Stokhof (eds), *Proceedings of the Eighth Amsterdam Colloquium*, 425–444. Institute for Logic, Language and Information.

Partee, Barbara H. and Hendriks, Herman L. W. 1997. Montague grammar. In Johan van Benthem and Alice ter Meulen (eds), *Handbook of Logic and Language*, 5–91. Elsevier Science B.V.

Penn, Gerald and Richter, Frank 2004. Lexical resource semantics: From theory to implementation. In Stefan Müller (ed), *Proceedings of the 11th International Conference on Head-Driven Phrase Structure Grammar*, 423–443. Stanford: CSLI Publications.

Pollard, Carl and Sag, Ivan A. 1994. *Head-Driven Phrase Structure Grammar*. Chicago: The University of Chicago Press.

Pollard, Carl J. and Yoo, Eun Jung 1998. A unified theory of scope for quantifiers and wh-phrases. *Journal of Linguistics*, 34:415–445.

Przepiórkowski, Adam 1998. 'A unified theory of scope' revisited. Quantifier retrieval without spurious ambiguities. In Gosse Bouma, Geert-Jan M. Kruijff, and Richard T. Oehrle (eds), *Proceedings of the FHCG-98, 14–16 August 1998, Saarbrücken*, 185–195.

Richter, Frank 2005. A Web-based Course in Grammar Formalisms and Parsing. *Note:* Electronic Textbook:
milca.sfs.uni-tuebingen.de/A4/Course/PDF/gramandpars.pdf.

Richter, Frank and Sailer, Manfred 1999. Underspecified semantics in HPSG. In Harry C. Blunt and Reinhard Muskens (eds), *Computing Meaning*, 95–112. Dordrecht: Kluwer Academic Publishers.

Richter, Frank and Sailer, Manfred 2004. Basic concepts of Lexical Resource Semantics. In Arnold Beckmann and Norbert Preining (eds), *ESSLLI 2003 – Course Material I*, (= *Collegium Logicum*, 5), 87–143. Kurt Gödel Society Wien.

Sailer, Manfred 2003. Combinatorial semantics and idiomatic expressions in Head-Driven Phrase Structure Grammar. Phil. Dissertation (2000). Arbeitspapiere des SFB 340. 161, Eberhard-Karls Universität Tübingen.

Formal Foundations of HPSG

King, Paul John 1999. Towards truth in head-driven phrase structure grammar. In Valia Kordoni (ed), *Tübingen Studies in Head-Driven Phrase Structure Grammar*, 301–352. Universität Tübingen.

Richter, Frank 2004. *A Mathematical Formalism for Linguistic Theories with an Application in Head-Driven Phrase Structure Grammar*. Phil. dissertation (2000), Eberhard-Karls-Universität Tübingen.

Richter, Frank, Sailer, Manfred, and Penn, Gerald 1999. A formal interpretation of relations and quantification in HPSG. In Gosse Bouma, Erhard Hinrichs, Geert-Jan M. Kruijff, and Richard Oehrle (eds), *Constraints and Resources in Natural Language Syntax and Semantics*, 281–298. Stanford: CSLI Publications.