

This class provides a hands-on introduction to the basic terminology, concepts, and procedures associated with scientific thought, practice, and academic writing in the field of linguistics.

COURSE PREREQUISITES: Language 3060

COURSE CREDIT REQUIREMENTS AND GRADING

Your final grade will depend on the number of points you score. You can get the maximum of 100 points if you

- attend regularly: attend 24/26 sessions (not including the first session and the midterm exam), each one worth 1 point, for a maximum of 24 points. Absences can be excused if you show me a doctor's note, or if you can provide any other substantial (!) reason for your absence. Unexcused absence in more than 6 classes may result in failure of the class.
- pass a midterm exam for a maximum of 20 points
- pass a final exam for a maximum of 26 points
 - If you encounter a scheduling conflict with the examination dates, please notify me by 1 November so that we may arrange an alternative date.
- hand in a project paper for a maximum of 30 points. The class is designed for you to work on the project paper throughout the semester in groups of 3-5 people. The final grade of the project will be comprised as follows:
 - the project paper will be graded with a maximum of 20 points, with 5 points each evaluating the quality of
 - the literature review
 - the methods section describing corpus analysis
 - the methods section describing experimental analysis
 - the formatting of the paper
 - group members will evaluate each others' performance with up to 10 points

Both the midterm and the final exam are closed book and closed notes. Please bring a 50-item scantron sheet to both exams.

MAKEUP ASSIGNMENTS AND EXTRA CREDIT

If you are not satisfied with your performance in any of the course requirements, you can contact me anytime to discuss a makeup or extra credit assignment. All makeup and extra credit assignments are due **9 December**.

COURSE MATERIALS

All course materials will be made available on blackboard or in class.

INFORMATION ON DROPPING CLASSES

<<http://essc.unt.edu/registrar/schedule/scheduleclass.html>>

CONTACT

Instructor: Stefanie Wulff, Ph.D. (Stefanie.Wulff@unt.edu)

Lecture: TuTh 4-5:20pm (Lang GAB 550A)

Office hours: Thursdays 1-4pm (Lang 407L)

ODA STATEMENT

The University of North Texas is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 92-112 – The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act (ADA), pursuant to section 504 of the Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

BASIC SCIENTIFIC TERMINOLOGY AND CONCEPTS

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|---|------|--|
| 1 | 8/26 | Introduction to the class |
| 2 | 8/31 | Basic scientific concepts I (definitions) |
| 3 | 9/2 | Basic scientific concepts II (variables, hypotheses) |
| 4 | 9/7 | Basic scientific concepts III (falsification, p -values) |

THE LITERATURE REVIEW

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|---|------|--|
| 5 | 9/9 | Reading a research article (Stefanowitsch 2003) |
| 6 | 9/14 | Summarizing a research article |
| | 9/16 | FINDING RELEVANT INFORMATION: LIBRARY VISIT |

LINGUISTIC DATA I: OBSERVATIONAL METHODS

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|---|------|------------------------------------|
| 7 | 9/21 | Introduction to corpus linguistics |
| 8 | 9/23 | Corpus lab day I: COCA |
| 9 | 9/28 | Corpus lab day II: AntConc |

LINGUISTIC DATA II: EXPERIMENTAL METHODS

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|----|-------|--|
| 10 | 9/30 | Basic experimental designs |
| 11 | 10/5 | Designing an experiment I: general introduction |
| 12 | 10/7 | Designing an experiment II: quantifier use in English (<i>some, many, a few</i>) |
| 13 | 10/12 | Designing an experiment III: group projects |
| | 10/14 | HUMAN SUBJECT RESEARCH: NIH CERTIFICATION |
| 14 | 10/19 | Revision for midterm exam |
| 15 | 10/21 | MIDTERM EXAM |
| 16 | 10/26 | Designing an experiment IV: group projects |

CODING AND EVALUATING DATA

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|----|-------|---|
| 17 | 10/28 | Saving data in excel |
| 18 | 11/2 | Annotating data in excel |
| 19 | 11/4 | Basic descriptive statistics I: Means and standard deviations |
| 20 | 11/9 | Basic descriptive statistics II: Chi-square tests |
| 21 | 11/11 | Visualizing data in excel: tables and graphics |
| 22 | 11/16 | Writing the Results and Discussion sections of a research paper |

STRUCTURE AND FORM OF A RESEARCH PAPER AND PRESENTATION

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|----|-------|---|
| 23 | 11/18 | Writing the Introduction and Abstract of a research paper |
| | 11/23 | NO CLASS (THANKSGIVING HOLIDAY) |
| 24 | 11/30 | Formatting a research paper: quotation, footnotes, and bibliography |
| 25 | 12/2 | How to give a good presentation |

STRUCTURE AND FORM OF A RESEARCH PRESENTATION

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|----|-------|--|
| 26 | 12/7 | Make a Wish! |
| | | Revision for final exam; course evaluations |
| 27 | 12/9 | DEADLINE FOR EXTRA CREDIT SUBMISSIONS |
| | | DEADLINE FOR PROJECT PAPERS |
| | 12/16 | FINAL EXAM (1:30pm) |

REQUIRED READINGS

Stefanowitsch, Anatol. 2003. Constructional semantics as a limit to grammatical alternation: The two genitives of English. In Günter Rohdenburg and Britta Mondorf (eds), *Determinants of Grammatical Variation in English*. Berlin and New York: Mouton de Gruyter, 413-41.

FURTHER READINGS (OPTIONAL)

Aitchison, Jean and Guy Bailey. 1979. Unhappiness about not unhappy people. *Journal of Linguistics* 15:245-66.

Anshen, Frank. 1978. *Statistics for linguists*. Rowley, MA: Newbury House.

Bard, Ellen Gurman, Dan Robertson and Antonella Sorace. 1996. Magnitude estimation of linguistic acceptability. *Language* 72:32-68.

Barnbrook, Geoff. 1996. *Language and Computers*. Edinburgh: Edinburgh University Press.

Biber, Douglas, Susan Conrad and Randi Reppen. 1998. *Corpus Linguistics: Investigating language structure and use*. Cambridge: Cambridge University Press.

Biber, Douglas. 1993. Co-occurrence patterns among collocations: A tool for corpus-based lexical knowledge acquisition. *Computational Linguistics* 19:531-538.

Birdsong, David. 1989. *Metalinguistic performance and interlinguistic competence*. New York: Springer.

Bock, J. Kathryn. 1986. Syntactic persistence in language production. *Cognitive Psychology* 18:355-387.

Carden, Guy. 1976. Syntactic and semantic data: replication results. *Language and Society* 5:99-104.

Chaudron, C. 1983. Research on metalinguistic judgments: A review of theory, methods and results. *Language Learning* 33:3-26.

Church, Kenneth Ward, William Gale, Patrick Hanks und Donald Hindle. 1991. Using statistics in lexical analysis. In: Zernik, Uri (ed.). *Lexical Acquisition: Exploiting On-line Resources to Build a Lexicon*. Hillsdale, NJ: Lawrence Erlbaum, 115-64.

Clark, Herbert H. and Susan E. Haviland. 1974. Psychological processes as linguistic explanation. In: Cohen, David (ed.). *Explaining Linguistic Phenomena*. Washington, D.C.: Hemisphere.

Coleman, E. B. 1965. Responses to a scale of grammaticalness. *Journal of Verbal Learning and Verbal Behavior* 4:521-527.

Cowart, Wayne. 1989b. Notes on the biology of sentence processing. *Journal of Psycholinguistic Research* 18:89-103.

Cowart, Wayne. 1994. Anchoring and grammar effects in judgments of sentence acceptability. *Perceptual and Motor Skills* 79:1171-1182.

Cowart, Wayne. 1997. *Experimental Syntax: Applying Objective Methods to Sentence Judgments*. Thousand Oaks/London/New Delhi: Sage Publications.

Danks, Joseph H. 1969. Grammaticalness and meaningfulness in the comprehension of sentences. *Journal of Verbal Learning and Verbal Behavior* 8:687-696.

Gerken, LouAnn and Thomas G. Bever. 1986. Linguistic intuitions are the result of interactions between perceptual processes and linguistic universals. *Cognitive Science* 10:457-476.

Gonick, Larry und Woollcott Smith. 1993. *The Cartoon Guide to Statistics*. New York, NY: Harper Collins.

Green, Georgia M. and Jerry L. Morgan. 2001. *Practical Guide to Syntactic Analysis*. 2nd ed. Stanford: CSLI.

Greenbaum, Sidney (ed.). 1977a. *Acceptability in Language*. The Hague: Mouton.

Greenbaum, Sidney and Randolph Quirk. 1970. *Elicitation Experiments in English: Linguistic Studies in Use and Attitude*. Coral Gables, Florida: University of Miami Press.

Greenbaum, Sidney. 1973. Informant elicitation of data on syntactic variation. *Lingua* 31:201-212.

Greenbaum, Sidney. 1975. Language variation and acceptability. *TESOL Quarterly* 9:165-172.

Greenbaum, Sidney. 1976a. Contextual influence on acceptability judgments. *Linguistics* 187:5-11.

Greenbaum, Sidney. 1976b. Syntactic frequency and acceptability. *Lingua* 40:99-113.

- Greenbaum, Sidney. 1977b. Judgments of syntactic acceptability and frequency. *Studia Linguistica* 31:83-105.
- Gries, Stefan Th. 2002. Evidence in Linguistics: Three Approaches to Genitives in English. In: Brend, Ruth M., William J. Sullivan und Arle R. Lommel (Hrsg). *LACUS Forum XXVIII: Evidence in Linguistics*. Fullerton, CA: LACUS, 17-31.
- Healy, Alice F. and George A. Miller. 1971. The relative contribution of nouns and verbs to sentence acceptability and comprehensibility. *Psychonomic Science* 24:94-95.
- Helfrich, Hede. 1986. On linguistic variables influencing the understanding of questionnaire items. In: Angleitner A. and J. S. Wiggins (eds.). *Personality Assessment via Questionnaires. Current Issues in Theory and Measurement*. Berlin: Springer, 178-188.
- Hill, Archibald A. 1961. Grammaticality. *Word* 17:1-10.
- Jorgensen, Julia. 1990. The psychological reality of word senses. *Journal of Psycholinguistic Research* 19:167-190.
- Kennedy, Graeme. 1998. *An Introduction to Corpus Linguistics*. London and New York: Longman.
- Kilgariff, Adam. 1997a. I don't believe in word senses. *Computers and the Humanities* 31:91-113.
- Labov, William. 1972. Some principles of linguistic methodology. *Language in Society* 1:97-120.
- Labov, William. 1975. Empirical foundations of linguistic theory. Austerlitz, Robert (ed.). *The Scope of American Linguistics*. Lisse: Peter de Ridder Press, 77-133.
- McEnery, Tony and Andrew Wilson. 2001. *Corpus Linguistics*. 2nd ed. Edinburgh: Edinburgh University Press.
- Miller, George A. 1971. Empirical methods in the study of semantics. In: Steinberg, Danny und L. A. Jakobovits (Hrsg.). *Semantics*. London/New York: CUP, 569-585.
- Miller, J. and R. Cann. 1994. Data collection in linguistics. In: Asher, R. E. and J. M. Y. Simpson (eds.). *The Encyclopedia of Language and Linguistics*. Oxford: Pergamon Press, 815-817.
- Mills, John A., Gordon D. Hemsley. 1976. The effect of level of education on judgments of grammatical acceptability. *Language and Speech* 19:324-342.
- Moore, Timothy E. 1972. Speeded recognition of ungrammaticality. *Journal of Verbal Learning and Verbal Behavior* 11:550-560.
- Moore, Timothy E. and Irving Biederman. 1979. Speeded recognition of ungrammaticality: Double violations. *Cognition* 7:285-299.
- Nagata, Hiroshi. 1988. The relativity of linguistic intuition: The effect of repetition on grammaticality judgments. *Journal of Psycholinguistic Research* 17:1-17.
- Nagata, Hiroshi. 1989b. Judgments of sentence grammaticality and field-dependence of subjects. *Perceptual and Motor Skills* 69:739-747.
- Nagata, Hiroshi. 1989c. Judgments of sentence grammaticality with differentiation and enrichment strategies. *Perceptual and Motor Skills* 68:463-469.
- Nagata, Hiroshi. 1989d. Repetition effect in judgments of grammaticality of sentences: examination with ungrammatical sentences. *Perceptual and Motor Skills* 68:275-282.
- Nagata, Hiroshi. 1990a. On-line judgments of grammaticality of sentences. *Perceptual and Motor Skills* 70:987-994.
- Nagata, Hiroshi. 1990b. Speakers' sensitivity to rule violations in sentences. *Psychologia* 33:179-184.
- Nagata, Hiroshi. 1992. Anchoring effects in judging grammaticality of sentences. *Perceptual and Motor Skills* 75:159-164.
- Oakes, Michael P. 1998. *Statistics for Corpus Linguistics*. Edinburgh: Edinburgh University Press.
- Pohl, Rudiger F. 1982. Acceptability of story continuations. In: Flammer, August and Walter Kintsch (eds.). *Discourse Processing*. Amsterdam: North Holland, 124-136

- Pullum, Geoffrey K. 1991. The revenge of the methodological moaners. In: Geoffrey K. Pullum (ed.). *The great Eskimo vocabulary hoax and other irreverent essays on the study of language*. Chicago, London: The University of Chicago Press, 123-130.
- Quirk, Randolph and Jan Svartvik. 1966. *Investigating Linguistic Acceptability*. The Hague: Mouton.
- Sampson, Geoffrey. 2001. *Empirical Linguistics*. London and New York: Continuum.
- Schütze, Carson T. 1996. *The Empirical Base of Linguistics: Grammaticality Judgments and Linguistics Methodology*. Chicago: University of Chicago Press.