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

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

5. 9/9 Reading a research article (Stefanowitsch 2003)
6. 9/14 Summarizing a research article
7. 9/16 FINDING RELEVANT INFORMATION: LIBRARY VISIT

## LINGUISTIC DATA I: OBSERVATIONAL METHODS

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

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 (some, many, a few)
13. 10/12 Designing an experiment III: group projects
14. 10/14 HUMAN SUBJECT RESEARCH: NIH CERTIFICATION
15. 10/19 Revision for midterm exam
16. 10/21 MIDTERM EXAM
17. 10/26 Designing an experiment IV: group projects

## CODING AND EVALUATING DATA

18. 10/28 Saving data in excel
19. 11/2 Annotating data in excel
20. 11/4 Basic descriptive statistics I: Means and standard deviations
21. 11/9 Basic descriptive statistics II: Chi-square tests
22. 11/11 Visualizing data in excel: tables and graphics
23. 11/16 Writing the Results and Discussion sections of a research paper

## STRUCTURE AND FORM OF A RESEARCH PAPER AND PRESENTATION

24. 11/18 Writing the Introduction and Abstract of a research paper
25. 11/23 NO CLASS (THANKSGIVING HOLIDAY)
26. 11/30 Formatting a research paper: quotation, footnotes, and bibliography
27. 12/2 How to give a good presentation

## STRUCTURE AND FORM OF A RESEARCH PRESENTATION

28. 12/7 Make a Wish!
   Revision for final exam; course evaluations
29. 12/9 DEADLINE FOR EXTRA CREDIT SUBMISSIONS
   DEADLINE FOR PROJECT PAPERS
30. 12/16 FINAL EXAM (1:30pm)
REQUIRED READINGS

FURTHER READINGS (OPTIONAL)


