International Graduate Program in Language Sciences

Syllabus

2016 Fall Semester
<table>
<thead>
<tr>
<th><strong>Subject</strong></th>
<th>Research Methods in Linguistics (English)</th>
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<tr>
<td><strong>Day/Period</strong></td>
<td>Fall Semester Tue 2 null</td>
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<tr>
<td><strong>Categories</strong></td>
<td>-</td>
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<tr>
<td><strong>Credit(s)</strong></td>
<td>2</td>
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<tr>
<td><strong>Instructor (Position)</strong></td>
<td>教授 斎藤 テーティ イドワード (Lec. Ryan Edward Spring)</td>
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<tr>
<td><strong>Subject Numbering</strong></td>
<td>K20-LIN512E</td>
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<tr>
<td><strong>Language Used in Course</strong></td>
<td>English</td>
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**Class subject:** Linguistic research methods

**Object and summary of class:** This class is designed to teach the basics of linguistic research methodology from a scientific standpoint. It will cover how to obtain a proper framework for research, various types of tests used in linguistics and how to perform them, and data analysis, including but not limited to basic statistical analysis.

**Goal of study:**
1. Upon completing this course, students will be able to:
2. (1) apply linguistic research methods to a framework
3. (2) understand and/or design linguistic tests and experiments
4. (3) complete simple data analysis

**Contents and Object of class**

<table>
<thead>
<tr>
<th><strong>Week</strong></th>
<th><strong>Content</strong></th>
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<tbody>
<tr>
<td>1.</td>
<td>Week 1: Linguistics and the scientific method</td>
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<tr>
<td>2.</td>
<td>Week 2: Getting a proper framework</td>
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<td>3.</td>
<td>Week 3: Forming a hypothesis</td>
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<td>4.</td>
<td>Week 4: Experimental linguistics vs. theoretical linguistics</td>
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<td>5.</td>
<td>Week 5: Tests in theoretical linguistics</td>
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<td>6.</td>
<td>Week 6: Introduction to experimental methods: using the right tool for the right job</td>
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<td>7.</td>
<td>Week 7: Corpus studies</td>
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<td>8.</td>
<td>Week 8: Discourse analysis</td>
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<td>9.</td>
<td>Week 9: Second language acquisition / education testing</td>
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<td>10.</td>
<td>Week 10: Other types of experiments</td>
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<td>11.</td>
<td>Week 11: Introduction to statistical analysis</td>
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<td>12.</td>
<td>Week 12: Statistical analysis 1</td>
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<td>13.</td>
<td>Week 13: Statistical analysis 2</td>
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<tr>
<td>14.</td>
<td>Week 14: Results analysis and conclusions</td>
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<tr>
<td>15.</td>
<td>Week 15: Putting it all together</td>
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</table>

**Test:** There is no test – instead there is a final paper in which you are asked to demonstrate your knowledge and understanding of the lessons in the class.

**Record and evaluation method:** Grades will be determined based on (1) Participation and attendance in class (20%), (2) homework (30%), and (3) a final project / report (50%).

**Textbook and references:** Materials for class will be provided by the teacher. For further reading on topics in class, students may find the following two books helpful, but they are not necessary for the class.


**Self study**

Homework will be given almost every class. It will ask you to think about the day’s lesson and apply it to your own research or to your own ideas. The homework will usually be given in the form of a short writing assignment.

**In addition**

This class is designed specifically for first year master’s students, but all are welcome.

Last Update 2016/02/17 15:33

Subject: Lexical Semantics II
Day/Period: Fall Semester Thu 3 null
Categories: -
Credit(s): 2
Instructor (Position): Prof. ONO Naoyuki
Subject Numbering: KID-LINB01E
Was used in Course: English

Class subject: Semantics of Agent Nominalization

Object and summary of class: The aim of this course is to provide students with a basic understanding of the lexicon and lexical semantics that comprise an important part of modern linguistics.

Goal of study: Students will acquire a thorough understanding of basic concepts and issues of the lexicon and lexical semantics through reading research papers and discussions in class.

Contents and Object of class: In this course I will focus on the semantic and morphosyntactic properties of agent nouns in English (driver, singer, consumer, etc.) and some Japanese (kata, kyou, chiyayasu, etc.). There has been extensive discussion in the literature regarding agent nominalization in English, in particular, those with the affix -er, but Japanese agent nominalization has not been focused on as much until recently. I will present an extensive survey of data of agent nouns and investigate their semantic and morphosyntactic properties in light of theoretical findings uncovered by previous research conducted in terms of English agent nominalization.

1. Introduction
2. Word Formation (1)
3. Word Formation (2)
10. Agent Nouns and Event Nouns (2) Baker and Visokurova (2009)
14. Wrap-up
15. Oral presentations by students

Contents and Object of class: Term paper

Record and evaluation method: Course requirements: 1. Regular attendance, 2. In-class oral presentation, 3. A term paper

Baker, Mark D., and Nadya Visokurova. 2009. On agent nominalizations and why they are not like event nominalizations. Language 85. 517-556.

Self study: 2–4 hours of reading per week

In addition: Office hours: Thursday, 9:30–noon

Last Update: 2018/02/25 11:12

https://gkms.bureau.tohoku.ac.jp/sa/slbbssbrd.do?value(riyufen)=2016&value(riek... 2016/09/15
Subject: Generative Syntax II
Day/Period: Fall Semester Thu 2 nell
Categories: -
Credit(s): 2
Instructor (Position): Prof. TAKAHASHI Daiko
Subject Numbering: KIC-LIN092
Language Used in Course: English

Class subject: Introduction to Japanese Syntax

Object and summary of class: This course consists of a series of lectures where the instructor introduces students to generative linguistic research on Japanese syntax, so that the participants can acquire basic knowledge and methodology needed to study syntax in general and Japanese syntax in particular. Topics will include sentence structure, the topicalization construction, wh-questions, and relative clauses, among others.

Goal of study:
1. To be familiar with basic methodology in transformational generative syntax
2. To acquire basic knowledge needed to study syntax in general and Japanese syntax in particular.

Contents and Object of class:

1. Introduction
2. Japanese phrase structure I: the X-bar theory
3. Japanese phrase structure II: the theta theory and the scope system
4. Topicalization I: overview and comparison with English
5. Topicalization II: an analysis
6. Topicalization III: related remarks
7. Wh-questions I: overview and comparison with English
8. Wh-questions II: arguments and adjuncts
9. Wh-questions III: an analysis
10. Wh-questions IV: related remarks
11. Relative clauses I: overview and comparison with English
12. Relative clauses II: an analysis
13. Relative clauses III: head-internel relative clauses
14. Relative clauses IV: cases for subjects
15. Review

Contents and Object of class: Final exam at the end of the semester

Record and evaluation method: Grades will be determined based on the final exam.

Textbook and references: No specific textbook. Related references will be shown during the course.

Self study: Students are expected to read related references prior to class.

In addition: Everything in this course, including lectures, discussions, and the exam, will be conducted in English, and hence participants are supposed to have ability to read, write, speak, and understand English. Also, having taken Generative Syntax I offered in 2015 is a prerequisite to register for this course. First-year students who wish to register can alternatively read Andrew Carnie's book titled Syntax: A Generative Introduction (2013, Wiley-Blackwell) prior to registration.

Last Update: 2016/02/15 13:47
# Subject
Neuroistics II

# Day/Period
Fall Semester Wed 3 nell

# Category
-

# Credit(s)
2

# Instructor (Position)
Lec. JEONG Heonjeong

# Subject Numbering
KOG-LIN616E

# Language
English

## Class subject
Neuroistics II

## Object and summary of class
This course overviews how language is represented in the brain and discusses its implication for language education. Topics to be covered in this course include speech perception, reading, lexical processing, syntax, semantics, discourse and bilingual language processing. Major neuroimaging techniques such as fMRI, EEG/ERP, MEG and MRS will be also introduced.

## Goal of study
- Students can describe how language is represented in the brain.
- Students can understand basic neurological methods and advantages and disadvantages of each method.
- Students can come up with a brief research proposal based on their own interests.

## Contents and Object of class

<table>
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<tr>
<th>Overview</th>
<th>概要</th>
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<tbody>
<tr>
<td>1. What is neuroistics? The development of theories about brains and language</td>
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<td>2. Historical overview of language and brain</td>
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<td>3. Basic brain anatomy and function of human brain</td>
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<td>4. Methods and techniques of neuroimaging (fMRI, EEG, MEG, MRS)</td>
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<td>5. How to design experiments</td>
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<td>6. Speech and phonology</td>
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<td>7. Visual word processing</td>
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<td>8. Syntax</td>
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<td>9. Semantics</td>
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<td>10. Bilingual language processing</td>
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<td>11. Second language acquisition</td>
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<td>12. Learning and memory</td>
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<td>13. Communication/ Discourse/ Theory of Mind</td>
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<td>14. Mirror neuron and language</td>
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<td>15. Poster presentation of students' research proposal</td>
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## Contents and Object of class

| 試験 | Student's presentation and final paper |

## Record and evaluation method

1. Presentation (30%): Students give a summary presentation on an assigned article.
2. Research proposal (70%): Students write a brief research proposal based on their own interests.

## Textbook and references

1. Assignments will be distributed weekly.

## Self study
Students are expected to preview and review course materials in order to actively participate in class discussions.

## In addition
N/A

## Last Update
2016/09/15
Subject: Corpus Linguistics II
Day/Period: Fall Semester Fri 2 null
Categories: 
Credit(s): 2
Instructor (Position): Prof. OKADA Takeshi
Subject: KIS-LIN412E
Language Used in Course: English

Class subject: An Introduction to Corpus Linguistics

Objective and summary of class:
The aim of the present course is to let the participants acquire the basic knowledge of the English corpus linguistics together with its history, which can be extended to the further individual corpus analysis of other natural languages, such as Japanese, Chinese, etc. The students are also expected to become familiar with corpus building methods as well as corpus analysis and processing by using various types of software and web services.

Goal of study: After finishing the present course the students are expected to be able to (1) use software or web services that are helpful for their own research in the field of linguistic, (2) compile original corpora that best suit for their research topics, (3) exchange their novel ideas about the future of the corpus linguistics, and (4) apply acquired knowledge not just to the field of pure linguistic research but also to the pedagogical field, basically materialized as e-learning systems.

Contents and Object of class:
1. General introduction to corpus linguistics.
2. The history of corpus linguistics and computer science.
3. The class discussion on the basic methods of corpus linguistics, with reference to how the discipline developed.
4. The discussion of the major approaches to the use of large sizes of computer-readable data.
5. The detailed schedule will be made clear within the previous four weeks and decided.
6. Corpus annotation issues.
7. Corpus and world Englishes.
8. Corpus studies in the framework of digital humanities.
9. Mid-semester student presentations based on individual short essays.
10. Mid-semester student presentations based on individual short essays.
11. Text mining and corpus linguistics.
12. Corpus linguistics and its application to the language teaching (part 1).
13. Corpus linguistics and its application to the language teaching (part 2).
14. Semester-final student presentations and discussion.
15. Semester-final student presentations and discussion.

Contents and Object of class: 
Exam: A final, paper-based exam will be given at the very last week.

Record and evaluation method: The grade is decided by considering the in-class discussion, short occasional essays and the score of the final exam.


Self study: We will take full advantage of the e-learning system including a robust language management system.

In addition: The detailed lecture plan and schedule will be announced in the first week. Do not miss it. Takeshi.okada@tohoku.ac.jp

Last Update: 2016/02/29 12:00