

## LINGUISTICS COURSE OFFERINGS 2009-2010

### **LING 1101 Introduction to Linguistics (KMC)**

Fall - R. Katzir/Spring - J. Hale

An overview of the science of language, especially its theoretical underpinnings, methods, and major findings. Among the areas covered are: the relation between sound and meaning in human languages, social variation in language, language change over time, universals of language, and the mental representation of linguistic knowledge. Students are introduced to a wide variety of language phenomena, drawn not only from languages resembling English, but also from many which appear to be quite unlike English, such as those native to the Americas, Africa, Asia, Australia and the South Pacific.

### **LING 1109 English Words: Histories and Mysteries (HA)**

Spring - W. Harbert

Where do the words we use come from? This course will examine the history and structure of the English vocabulary from its distant Indo-European roots to the latest in technical jargon and slang. Topics to be discussed include: Formal and semantic change, taboo and euphemism, borrowing, new words from old, "learned" English loans from Greek and Latin, slang and society.

### **LING 1131-1132 Elementary Sanskrit**

Fall/Spring - A. Nussbaum/A. Ruppel

An introduction to the essentials of Sanskrit grammar. Designed to enable the student to read classical and epic Sanskrit as quickly as possible.

### **LING 1170 Introduction to Cognitive Science (KMC)**

Fall - B. Bienvenue

Surveys the study of how the mind/brain works. Examines how intelligent information processing can arise from biological and artificial systems. Draws primarily from five disciplines that make major contributions to cognitive science: philosophy, psychology, neuroscience, linguistics, and computer science. The first part of the course introduces the roles played by these disciplines in cognitive science. The second part focuses on how each of these disciplines contributes to the study of five topics in cognitive science: language, vision, learning and memory, action, and artificial intelligence.

### **LING 2215 Psychology of Language (KCM)**

Spring - M. Christiansen

This course provides an introduction to the psychology of language. The purpose of the course is to introduce students to the scientific study of psycholinguistic phenomena.

### **LING 2217 History of the English Language to 1300 (HA)**

Fall - W. Harbert

This course explores the development of the English language from its Indo-European beginnings through the period of Early Middle English. Topics covered include linguistic reconstruction, changes in sounds, vocabulary and grammatical structure, external influences, Old and Early Middle English language and literature.

### **LING 2218 History of the English Language since 1300 (HA)**

Spring - W. Harbert

Traces English from Chaucer to the present, including the development of standard English and dialects, and the rise of English as a world language.

### **LING 2236 Introduction to Gaelic**

Spring - W. Harbert

This course is an introduction to the Scottish Gaelic language with some discussion of its history, structure, and current status.

### **LING 2251-2252 Intermediate Sanskrit @# (option one)**

Fall - A. Ruppel/ Spring - McCrea

Review of grammar and reading of selections from Sanskrit epic poetry and narrative prose. Prerequisite: at least one year study of Sanskrit or equivalent.

### **LING 2285/5585 Linguistic Theory and Poetic Structure (SBA)**

Spring - J. Bowers

The aim of this course is to show how certain results of modern linguistics can usefully be applied to the analysis and interpretation of poetry.

**LING 3301 Introduction to Phonetics (KCM)**

Fall - S. Khan

An introduction to the study of the physical properties of human speech sounds, including production, acoustics, and perception of speech. The course will provide in-depth exposure to the breadth of sounds found across human languages. Students will achieve a high level of skill in phonetic transcription, and some practice in reading spectrograms. An introduction to speech synthesis and automatic speech recognition is also provided. A small course project to discover the phonemes of an unknown language is undertaken. Prerequisite: LING 1101 or permission of instructor.

**LING 3302 Introduction to Phonology (KCM)**

Spring - A. Cohn

This course is an introduction to phonology, which studies the patterning of speech sounds in human language. Emphasis is on formal devices, such as rules and representations, which capture the internal organization of speech sounds as well as their grouping into larger units, syllables, and feet. Prerequisite: LING 1101 or permission of instructor.

**LING 3303 Introduction to Syntax (KCM)**

Fall - J. Bowers

An introduction to syntax, which studies how words are combined to form phrases and sentences. The course aims to equip students with the ability to address questions regarding the syntactic properties that are shared by natural languages (as well as those that distinguish them) in a precise and informed way. The topics covered in the course include those that lie at the heart of theoretical syntax: phrase structure, transformations, grammatical relations and anaphora. Emphasis throughout the course is placed on forming and testing hypotheses. Prerequisite: LING 1101 or permission of instructor.

**LING 3304 Introduction to Semantics and Pragmatics (KCM)**

Spring - M. Diesing

Examines the two major components of sentence meaning: (1) how sentences mean what they mean and (2) how they can be used to communicate more than what they (literally) mean. Investigates precise ways of describing the possible interpretations of a sentence and the relationship between meaning and syntactic structure. Topics include the representation of lexical meaning, the meaning of quantifier phrases and analyses of scope ambiguities, and classic puzzles of reference. Also examines possible applications of the theory to linguistically interesting legal cases (torts and criminal law), slips of the tongue, acquisition studies, language disorders, and connections with the philosophy of language. Prerequisite: LING 3303 or permission of instructor.

**LING 3308 Readings in Celtic Languages**

Fall/Spring - W. Harbert

Reading/discussion groups in Welsh or Scottish Gaelic. Prerequisite: permission of instructor.

**LING 3314 Introduction to Historical Linguistics (HA)**

Spring - M. Weiss

Survey of the basic mechanisms of linguistic changes, with examples from a variety of languages. Prerequisite: LING 3301 or permission of instructor.

**LING 3315/3316 Old Norse**

Fall/Spring - L. Heimisdóttir

Study of the linguistic structure of Old Norse, with extensive reading of Old Norse texts. The structure of Old Norse (Old Icelandic), phonology, and morphology, with reading of selections from the Prose-Edda, a thirteenth-century narrative based on the Eddic poetry. Spring: Extensive reading of Old Norse texts, among them selections from some of the major Icelandic family sagas: Nijals saga, Grettis saga, and Egils saga, as well as the whole Hrafnkels saga.

**LING 321 History of the Romance Languages (HA)**

Spring - C. Rosen/T. Alkire

Covers popular Latin speech, early documentary sources, Pan-Romance phonological changes, regional divergence, early external history, and non-Latin influences. Prerequisite: LING 101 and qualification in any Romance language.

**LING 3390 Independent Study in Linguistics (Undergraduates)**

Fall/Spring - Staff

Independent study of linguistic topics not covered in regular curriculum for undergraduates. Permission only.

**LING 4270 Cyber-Infrastructure-enhanced research in Multilingualism and Second Language Acquisition**

Spring - B. Lust

This workshop will offer students the opportunity to engage in research studying the development of multilingualism and second language acquisition. Data will involve children and adults learning more than one language. Through the use of newly developed cyberinfrastructure, students will apply new cybertools for the study of language acquisition in this area.

**LING 4401            Phonology I (KCM)**

Fall - D. Zec

A basic introduction to phonological theory. The first half of the course focuses on basic principles of phonology, patterns of sounds, and their representations. In the second half, the nature of syllable structure and feature representations are explored. Prerequisite: LING 3302 or equivalent.

**LING 4402            Phonology II (KCM)**

Spring - A. Cohn

Provides further refinement of the issues investigated in LING 4401, focusing in particular on metrical theory, lexical phonology, autosegmental phonology, and prosodic morphology. Prerequisite: LING 4401 or permission of instructor.

**LING 4403            Syntax I (KCM)**

Fall - R. Katzir

An advanced introduction to syntactic theory within the principles and parameters/minimalist frameworks. The topics covered include phrase structure, argument structure (unaccusative verbs, unergative verbs, double object constructions), principles of word order, and the binding theory. Prerequisite: LING 3303

**LING 4404            Syntax II (KCM)**

Spring - M. Diesing

A continuation of LING 4403, focusing on syntactic dependencies, including the theory of control, an examination of locality constraints on movement, covert versus overt movement, and the syntax of quantification. The purpose of the course is to develop the background needed for independent syntactic research. Prerequisite: LING 4403 and or permission of instructor.

**LING 4416            Structure of the Arabic Language**

Spring - J. Palmer

The course deals with the history of Arabic and its place in the Semitic language family, the sociolinguistic situation in the Arab world (diglossia), Arabic phonology (sounds emphasis, syllable structure, and related processes), morphology (verb forms and derivational patterns), and syntax (basic sentence structures, cases, and moods). Prerequisite: 1 year of Arabic or linguistic background.

**LING 4417            History of the Russian Language (III) (HA)**

Spring - W. Browne

Phonological, morphological, and syntactic developments from Old Russian to modern Russian. Prerequisite: permission of instructor.

**LING 4419            Phonetics I (KCM)**

Fall - S. Khan

Provides a basic introduction to the study of phonetics. Topics to be covered include anatomy and physiology of the speech production apparatus, transcription and production of some of the world's sounds, basic acoustics, computerized methods of speech analysis, acoustic characteristics of sounds, speech perception, speech synthesis, stress and intonation. Prerequisite: LING 3301 or permission of instructor.

**LING 4421            Semantics I (KCM)**

Fall - D. Abusch

This course introduces methods for theorizing about meaning within generative grammar. These techniques allow us to create grammars which pair syntactic structures with meanings. We will look at several empirical areas in detail, among them complementation (combining heads with their arguments), modification, conjunction, definite descriptions, relative clauses, traces, bound pronouns and quantification. An introduction to logical and mathematical concepts used in linguistic semantics (such as set theory, functions and their types, and the lambda notation for naming linguistic meanings) is included in the course. Prerequisite: LING 3304.

**LING 4422            Semantics II (KCM)**

Spring - R. Katzir

The course uses the techniques introduced in Semantics I to analyze linguistic phenomena including quantifier scope, ellipsis and referential pronouns. Temporal and possible worlds semantics will be introduced and used in the analysis of modality, tense, and belief sentences. The phenomena of presupposition, indefinite descriptions, and anaphora are analyzed in a dynamic compositional framework which formalizes the idea that sentence meaning effects a change in an information state. Prerequisite: LING 4421 or permission of instructor.

**LING 4423            Morphology (KCM)**

Fall - M. Diesing

Addresses the basic issues in the study of words and their structures. Provides an introduction to different types of morphological structures with examples from a wide range of languages. Special emphasis is given to current theoretical approaches to morphological theory and to computational models of morphology. Prerequisite: LING 1101 or equivalent or permission of instructor.

**LING 4424 Computational Linguistics (MQR)**

Fall - J. Hale

Introduces methods for doing a language computationally, including parsing and representation of syntactic analyses; computational morphology; probabilistic grammars; feature constraint formalisms for syntax; treebank methodology. Prerequisite: previous course work in linguistics or programming.

**LING 4455 Greek Dialects (KCM)**

Fall - A. Nussbaum

A survey of the dialects of ancient Greek through the reading and analysis of representative epigraphical and literary texts. Prerequisite: basic familiarity with classical greek morphology.

**LING 4456 Archaic Latin (LA)**

Spring - M. Weiss

Reading of epigraphic and literary pre-Classical texts with special attention to archaic and dialectal features. The position of Latin among the Indo-European languages of ancient Italy, the rudiments of Latin historical grammar, and aspects of the development of the literary language. Prerequisite: reading knowledge of Latin.

**LING 4474 Introduction to Natural Language Processing (III) (MQR)**

Spring - C. Cardie

Computationally oriented introduction to natural language processing, the goal of which is to enable computers to use human languages as input, output, or both. Possible topics include parsing, grammar induction, information retrieval, and machine translation. Prerequisite: CS 2110

**LING 4476 Statistics for Linguists (MQR)**

Spring - J. Hale

This course introduces distributions, sampling and Hypothesis testing as tools for linguistic research. Students learn to use appropriate software, and as time permits craft predictive theories using probabilistic grammars and linear models. Prerequisite: only high school math presupposed.

**LING 4485 Topics in Computational Linguistics (MQR)**

Fall - M. Rooth/D. Zec

Computational modeling of phonology. Emphasizes finite state formalisms that make it possible to explicitly construct optimality theoretic phonology, including constructs such as harmony orders and constraint families, and to compute with large or even infinite candidate sets. Accessible both to students with background in phonology and those with computational preparation.

**LING 4493/4494 Honors Thesis Research (Undergraduate Majors)**

Fall, Spring - Staff

Ling 4493 may be taken before or after Linguistics 4494, or may be taken independently. Ling 4494 may be taken as a continuation of, or before, Linguistics 4493.

**LING 6600 Field Methods (KCM)**

Spring - J. Whitman

Elicitation, recording, and analysis of data from a native speaker of a non-Western language generally known to students. Prerequisite: LING 4401 and 4403 or permission of instructor.

**LING 6602 Topics in Morphology**

Spring - J. Bowers

Selected topics in current morphological theory. Prerequisites: LING 4401, 4403, or permission of instructor.

**LING 6604 Research Workshop**

Fall - W. Harbert

This course provides a forum for presentation and discussion of ongoing research, and development of professional skills. Participants must enroll in a concurrent independent study with a special committee member, or a relevant workshop. Required of third-year linguistics students.

**LING 6615 Topics in Semantics**

Fall - M. Rooth

Selected topics in semantic theory, focusing on recent literature. Prerequisite: LING 4421 or permission of instructor.

**LING 6616 Topics in Syntactic Theory**

Fall - M. Diesing

An examination of recent developments in syntactic theory, including 'minimalist' approaches to phrase structure, derivations/representations and the nature of economy conditions, and parametric differences. Prerequisite: LING 4404 or permission of instructor.

**LING 6633 Language Acquisition Seminar**

Fall - B. Lust

This seminar reviews and critiques current theoretical and experimental studies of first-language acquisition, with a concentration on insights gained by cross-linguistic study of this area. Attention is also given to the development of research proposals. Prerequisite: LING 4436 or equivalent or permission of instructor.

**LING 645 Gothic**

Fall - W. E. Harbert

Linguistic structure of Gothic, with extensive readings of Gothic texts. Prerequisite: LING 1101.

**LING 7710-7719 Seminars**

Fall, Spring - Staff

Seminars are offered according to faculty interest and student demand. Topics in recent years have included subject and topic, Montague grammar, speech synthesis, lexicography, classical and autonomous phonology, Japanese sociolinguistics, relational grammar, semantics, and semiotics, computational and others.

- 7710, Computational Seminar
- 7711, Semantics Seminar
- 7712, Syntax Seminar                      Spring, R. Katzir
- 7713, Phonetics Seminar
- 7714, Phonology Seminar
- 7715, Historical Seminar
- 7716, Indo-European Seminar
- 7717, Supplemental Seminar
- 7718, Language Acquisition Seminar
- 7719, Interface Seminar

**LING 7701-7702 Directed Research**

Fall, Spring - Staff

**Breadth and Distribution Requirements**

Historical - #

Geographical (non-western proficiency) - @

Mathematics and Quantitative Reasoning (MQR)

Cultural Analysis (CA)

Historical Analysis (HA)

Knowledge, Cognition, and Moral Reasoning (KCM)

Literature and the Arts (LA)

Social and Behavioral Analysis (SBA)