#### 306 The Works of Cicero (W)

Fall of even years. 3(3-0) P:M: (LTN 208 or LTN 221) and completion of Tier I writing requirement.

Selected oratorical and philosophical works of Cicero in the original Latin.

#### 308 Roman Comedy (W)

Spring of odd years. 3(3-0) P:M: (LTN 221 or LTN 208) and completion of Tier I writing requirement.

Selected comedies of Plautus and Terence in the original Latin.

#### 311 Augustine and His Age (W)

Fall of odd years. 3(3-0) P:M: (LTN 221 or LTN 208) and completion of Tier I writing requirement

The "Confessions" and other works of Augustine in the original Latin.

#### 321 The Works of Ovid (W)

Spring of odd years. 3(3-0) P:M: (LTN 208 or LTN 221) and completion of Tier I writing requirement.

Selected books of Ovid's "Metamorphoses" in the original Latin.

#### 406 Senior Seminar: Tacitus (W)

Fall of even years. 3(3-0) P:M: (LTN 308 or LTN 321) and completion of Tier I writing requirement.

Advanced study of the works of Tacitus in the original Latin

#### Senior Seminar: Virgil (W) 408

Spring of even years. 3(3-0) P:M: (LTN 308 or LTN 321) and completion of Tier I writing requirement.

Advanced study of the works of Virgil in the original Latin.

#### 411 Senior Seminar: Petronius and Apuleius (W)

Fall of odd years. 3(3-0) P:M: (LTN 321 or LTN 308) and completion of Tier I writing requirement.

Advanced study of Petronius and Apuleius in the original Latin.

### 421

Senior Seminar: Horace (W) Spring of even years. 3(3-0) P:M: (LTN 321 or LTN 308) and completion of Tier I writing requirement.

Advanced study of the works of Horace in the original Latin

#### 490 Independent Study

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Not open to freshmen or sophomores. Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

#### Senior Thesis 499

Fall, Spring. 1(1-0) P:M: (LTN 308 or LTN 321) R: Approval of department. C: LTN 406 concurrently, LTN 408 concurrently, LTN 411 concurrently, LTN 421 concurrently.

Senior thesis capstone under the direction of a faculty member

## LINGUISTICS

### **Department of Linguistics** and Germanic, Slavic, Asian and African Languages College of Arts and Letters

#### 200 Introduction to Language

Fall, Spring. 3(3-0) Not open to students with credit in LIN 401.

Linguistic structure of language. Applications of linguistics to other disciplines. Human and societal aspects of the nature, use, acquisition, and history of languages.

#### 225 Women and Language

Fall. 3(3-0) Interdepartmental with Women's Studies.

Women and language in societies around the world. Issues such as status and verbal politeness, importance of names, gender differences in language use, women's multilingualism, sexist language, gendered language development in children.

#### 291 **Special Topics in Linguistics**

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.

Special topics supplementing regular course offerings proposed by faculty on a group study basis.

#### 401 Introduction to Linguistics

Fall, Spring. 4(4-0) Not open to students with credit in LIN 200.

Basic goals, concepts, methods, and research re-sults of modern theoretical and applied linguistics. Examples from a variety of languages.

#### 411 History of Linguistics

Spring. 3(3-0) P:M: (LIN 200 or LIN 401) Origin and development of linguistic studies from ancient Greece to the present. Foundation for the understanding of contemporary issues in linguistics and in society.

#### 424 Introduction to Phonetics and Phonology Fall, Spring. 3(3-0) P:M: (LIN 200 or LIN 401)

Phonetics, phonetics features and components, phonological phenomena, phonemic analysis, sound systems and data analysis.

#### Introduction to Morphology 431

Spring. 3(3-0) RB: (LIN 401 or concurrently or LIN 200)

Word structure, word formation, morphological analysis, interface with phonology and syntax, and theoretical issues in morphology. Data from diverse languages of the world.

#### Introduction to Syntax 434

Fall, Spring. 3(3-0) P:M: (LIN 200 or LIN 401)

Structure of sentences and structural relations among phrases. Methods of syntactic analysis and argumentation.

#### Semantics and Pragmatics 437

Fall. 3(3-0) P:M: (LIN 200 or LIN 401) Semantic properties and relations. Entailment, ambiguity, theories of word and sentence meaning, and logical form. Topics in pragmatics, such as presupposition, conversational implicature, speech acts.

#### 441 **Historical Linguistics**

Fall. 3(3-0)

LIN

Types of linguistic change and the methods used by linguists to study the historical development of languages and language families.

#### 450 Child Language Acquisition

Spring. 3(3-0) P:M: (LIN 200 or LIN 401) Linguistic issues, perspectives and research on the acquisition of language by children. Phonology, lexicon, morphology, syntax, semantics. Universal principles, variation, contexts. Implications for related disciplines.

455 Neurolinguistics Fall. 3(3-0) P:M: (LIN 200 or LIN 401) Theoretical approaches to the study of language and the brain. Perspectives on normal and impaired linguistic functioning offered by lesion studies and brain-imaging techniques. The genetic basis of language as evidenced in family and twin studies.

#### 463 Introduction to Cognitive Science

Spring. 3(3-0) Interdepartmental with Philosophy; Psychology. RB: (PHL 462 or LIN 401 or CSE 440 or PSY 200)

Cognitive processing of information by animals, humans, and computers. Relevant issues in philosophy, linguistics, psychology, neurophysiology, and artificial intelligence.

#### 471 Sociolinguistics

Fall. 3(3-0) P:M: (LIN 200 or LIN 401) Linguistic and social psychological bases for language choice. Accounts of language variation and related larger constructs such as speech community, communicative competence, dialect, and language change.

#### 475 Introduction to Computational Linguistics

Fall. 3(3-0) Interdepartmental with Computer Science and Engineering. P:M: (CSE . 232 and LIN 401)

Computer science of linguistic theories and their application in natural language processing systems. Stochastic and categorical automata for morphological analysis. Rule systems for grammars. Parsing algorithms for syntactic and semantic analysis, with implications for cognitive models of human sentence processing. Probabilistic models of linguistic events.

#### 490 Independent Study

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

#### 491 **Special Topics**

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P:M: (LIN 200 or LIN 401) R: Approval of department.

Special topics supplementing regular course offerings proposed by faculty on a group study basis.

#### 499 Senior Thesis Research (W)

Fall, Spring. 2 credits. P:M: Completion of Tier I writing requirement. R: Approval of department.

Individual research project supervised by a faculty member. Demonstration of student's ability to conduct independent research and prepare an undergraduate thesis.

### 810 Theory and Practice of Teaching a Non-European Language

Fall. 3(3-0) RB: (LIN 401) and proficiency in the language. Not open to students with credit in ENG 807 or ENG 808 or FRN 800 or GRM 810 or RUS 804 or SPN 800.

Theories and practice of college-level teaching of a non-European language (e.g., Japanese) to nonnative speakers. Teaching of pronounciation, writing system, listening, speaking, reading, writing, and culture. Testing, contrastive grammar, error analysis, material development, curriculum design, and lesson planning.

### 824 Phonological Theory I

Spring.  $3\overline{(}3-0)$  RB: (LIN 424) Major phonological theories, argumentation, and advanced skills of phonological analysis.

## 825 Phonological Theory II

Fall. 3(3-0) RB: (LIN 824) Issues in phonology. Current controversies and trends of research in phonology.

### 834 Syntactic Theory I

Spring. 3(3-0) P:M: (LIN 434) Theories, current issues, and research of the structure of sentences and structural relations among phrases. Methods of syntactic analysis and argumentation.

### 835 Syntactic Theory II

Fall. 3(3-0) P:M: (LIN 834)

Issues in syntax. Current research and controversies.

### 837 Advanced Studies in Semantics and Pragmatics

Fall of odd years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (LIN 437)

Selected topics in semantics and/or pragmatics, such as noun phrase interpretation, tense and aspect, conversational implicature, and negation. Advanced level analytical techniques.

### 850 Advanced Studies in Child Language Acquisition

Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (LIN 434)

Children's native language acquisition: research methods, crosslinguistic data, and explanations from linguistic theory. Topics such as learnability, parameters, innateness, narratives, individual variation, and bilingualism.

### 855 Advanced Studies in Neurolinguistics

Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (LIN 434 or LIN 424 or LIN 455) Study of the computation of language in the brain and its contribution to understanding brains and

and its contribution to understanding brains and language. Lesion research and research using neuroimaging techniques such as Magnetoencephalography (MEG), Electroencephalography (EEG), Positron Emission Tomography (PET), functional Magnetic Resonance Imaging (fMRI), and Transcranial Magnetic Stimulation (TMS).

### 867 Nature and Practice of Cognitive Science Spring. 3(3-0) Interdepartmental with Zoology; Psychology; Philosophy; Computer Science and Engineering. Administered by Department of Zoology. RB: Undergraduate course work in behavioral biology, cognitive psychology, philosophy, linguistics, or artificial intelligence.

Survey of how different disciplines explore the cognitive processes underlying intelligent behavior.

### 871 Advanced Studies in Sociolinguistics

Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. RB: (LIN 471)

Linguistic and societal bases for language choice. Topics exemplifying modern sociolinguistics including concerns of power, politeness, gender, quantitative microsociolinguistics, social/cultural differences, and ethnomethodology.

### 875 Advanced Computational Linguistics

Spring. 3(3-0) Interdepartmental with Computer Science and Engineering. P:M: (LIN 475)

Cutting-edge research in computational linguistics. Expressive formalisms such as tree-adjoining, typelogical and multi-component string grammars, and their associated parsing and learning problems. Robustness for spoken language understanding. Mathematical theories of language learnability. Logic and probability of finite state techniques.

### 881 The Structure of a Non-European Language

Fall. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. RB: (LIN 424 and LIN 434) Not open to students with credit in ENG 845 or ENG 846 or FRN 806 or GRM 805 or RUS 806 or SPN 806 or SPN 806.

Survey of the structure of a non-European language; e.g., Amharic, Chinese, Japanese, Hausa. General overview of the language, including history, phonology, morphology, syntax, semantics, pragmatics, discourse and variation. Particular attention to the features generally nonexistent in European languages.

### 890 Independent Study

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.

Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.

### 891 Special Topics

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 9 credits in all enrollments for this course. RB: At least 6 credits in linguistics courses at the 400 level or above.

Special topics supplementing regular course offerings proposed by faculty on a group study basis for graduate students.

### 892 Seminar in Linguistics

Fall, Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. RB: At least 6 credits in linguistics courses at the 400 level or above. R: Open only to graduate students in the Linguistics major.

Directed original research on current topic in linguistics.

### 898 Master's Research

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Approval of department.

Directed research in support of Plan B master's degree requirements.

### 899 Master's Thesis Research

Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.

Directed research leading to a master's thesis, used in partial fulfillment of Plan A master's degree requirements.

### 999 Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 99 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Approval of department.

Doctoral dissertation research.

# LINGUISTICS AND LL LANGUAGES

### Department of Linguistics and Germanic, Slavic, Asian and African Languages College of Arts and Letters

151 Beginning Individualized Less Commonly Taught Languages Fall. 4(4-1) A student may earn a maximum of 12 credits in all enrollments for this course. RB: No prior experience learning the language. Students' language ability will be assessed in the first few days of the course.

Individualized study of any of the less commonly taught languages at the elementary level. Speaking, reading, and writing. Development of oral proficiency skills.

### 152 Beginning Individualized Less Commonly Taught Language II

Spring. 4(4-1) A student may earn a maximum of 12 credits in all enrollments for this course. RB: (LL 151) R: Approval of department.

Further individualized work on speaking, reading, and writing a less commonly taught language. Continued development of oral proficiency skills.

### 250A Topics in National Cinemas: German Cinema

### Spring. 3(3-2)

Development of German cinematic styles and traditions in their historical and social context. Major films and directors. Introduction to film technique and analysis. Taught in English.

### 250B Topics in National Cinemas: East Asian Cinema

### Spring. 3(3-2)

Development of East Asian cinematic styles and traditions in their historical and social context. Major films and directors. Introduction to film technique and analysis. Taught in English.

### 250C Topics in National Cinemas: Israeli Cinema

### Spring. 3(3-2)

Development of Israeli cinematic styles and traditions in their historical and social context. Major films and directors. Introduction to film technique and analysis. Taught in English.