

- 290 Independent Study**  
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 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.
- 301 Republican Prose and Poetry (W)**  
Fall of even years. 3(3-0) P:M: (LTN 202) and completion of Tier I writing requirement. Cicero, Caesar, Sallust, Plautus, Terence, Catullus, and Lucretius.
- 302 Augustan Poetry (W)**  
Spring of odd years. 3(3-0) P:M: (LTN 202) and completion of Tier I writing requirement. Poetry of Virgil, Horace, Propertius, Tibullus, and Ovid.
- 401 Augustan and Early Imperial Prose**  
Fall of odd years. 3(3-0) P:M: (LTN 302)  
Augustan and Early Imperial prose writers. Livy, Augustus, Tacitus, Petronius, Suetonius, and others.
- 402 Imperial Poetry**  
Spring of even years. 3(3-0) P:M: (LTN 302)  
Poets of the Empire: Lucan, Seneca, Persius, Juvenal, Silius Italicus, Statius, and others.
- 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.
- 499 Senior Thesis**  
Fall, Spring. 3 credits. P:M: (LTN 402) R: Approval of department.  
Senior thesis under the direction of a faculty member.

LINGUISTICS

LIN

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 results 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.
- 428 Writing Systems**  
Fall of odd years. 3(3-0) P:M: (LIN 200 or LIN 401)  
Writing systems of the world and their history and organization in the context of linguistic science. Special attention is given to the typology of these systems and the ways they relate to the structure of spoken language.
- 431 Introduction to Morphology**  
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.
- 434 Introduction to Syntax**  
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.
- 437 Semantics and Pragmatics**  
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)  
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.
- 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.

LINGUISTICS AND LANGUAGES

LL

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 Languages II**  
Spring. 4(4-1) A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.  
Further individualized work on speaking, reading and writing a less commonly taught language. Continued development of oral proficiency skills.

## Linguistics and Languages—LL

- 251 Intermediate Individualized Less Commonly Taught Language I**  
Fall. 4(4-1) A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.

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

- 252 Intermediate Individualized Less Commonly Taught Languages II**  
Spring. 4(4-1) A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of department.

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

- 290 Independent Study**

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.

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

- 352 Asian American Writing**

Spring. 3(3-0) Interdepartmental with English. Administered by Department of English. P:M: Completion of Tier I writing requirement. RB: 3 credits of literature.

Writing by Americans of Asian descent. Attention to artistic, historical, and cultural contexts.

- 361 Asian Literature in English or in English Translation**

Spring. 3(3-0) Interdepartmental with English. Administered by Department of English. P:M: Completion of Tier I writing requirement. RB: 3 credits of literature.

Literary traditions of a major Asian civilization—Chinese, Indian or Japanese. Historical, cultural, and international contexts of Asian literature.

- 380 Methods of Teaching Foreign Languages**

Spring of odd years. 3(3-0) P:M: (GRM 202 or RUS 202 or CHS 202 or JPN 202) R: Open only to undergraduate students in the East Asian Languages and Cultures or German or Russian major with a teacher certification option or in the German or Japanese or Russian minor available for teacher certification.

Methods of teaching Germanic, Slavic, Asian, and African languages for teacher education candidates. Theories of second language acquisition and practical application of teaching strategies.

- 413 Slavic Language I**

Fall. 4(4-1) A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department. SA: RUS 413

Development of skills in speaking, reading, listening comprehension, and writing in a Slavic language other than Russian.

- 413A Polish I**

Fall. 4(4-1) R: Approval of department. SA: RUS 413A

Development of skills in speaking, reading, listening comprehension, and writing in Polish.

- 414 Slavic Language II**

Spring. 4(4-1) A student may earn a maximum of 8 credits in all enrollments for this course. P:M: (LL 413) R: Approval of department. SA: RUS 414

Further development of skills in speaking, reading, listening comprehension, and writing in a Slavic language other than Russian.

- 414A Polish II**

Spring. 4(4-1) P:M: (LL 413A) R: Approval of department. SA: RUS 414A

Further development of skills in speaking, reading, listening comprehension, and writing in Polish.

- 474 Aesthetic Theory and Modernism**

Fall. 4(4-0) Interdepartmental with Philosophy; English; History of Art; Music; Romance Languages. Administered by Department of Philosophy. R: Not open to freshmen or sophomores.

Problems, assumptions, and arguments of modern aesthetic theory examined in the context of debates over modernity and modernist artistic practice.

- 490 Independent Study**

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Approval of department.

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

## LYMAN BRIGGS SCHOOL

### Lyman Briggs School College of Natural Science

- 117 College Algebra and Trigonometry**

Fall. 3(3-0) P:M: Designated score on Mathematics placement test. R: Open only to students in Lyman Briggs School. Not open to students with credit in MTH 103 or MTH 116.

Rational and real numbers. Functions and inverses. Equations, simultaneous equations. Inequalities. Graphing. Trigonometry.

- 118 Calculus I**

Fall, Spring. 5(5-0) P:M: (LBS 117 or MTH 116 or MTH 114) or designated score on Mathematics placement test. R: Open only to students in Lyman Briggs School. Not open to students with credit in MTH 132 or MTH 133 or MTH 152H.

Limits, continuity, differentiation, integration, and elementary applications.

- 119 Calculus II**

Fall, Spring. 4(4-0) P:M: (LBS 118) R: Open only to students in Lyman Briggs School. Not open to students with credit in MTH 133 or MTH 153H or MTH 235.

Continuation of LBS 118. Further applications of one variable calculus. Infinite series. Ordinary differential equations.

- 126 Personal Computers and Networks**

Fall, Spring. 3(3-0) R: Open only to students in Lyman Briggs School. Not open to students with credit in CSE 101.

Selecting, installing and using personal computer software and hardware. Computer networks.

- 133 Introduction to Science and Technology Studies**

Fall, Spring. 4(4-0) P:M: Designated score on English placement test. R: Open only to students in Lyman Briggs School. Not open to students with credit in AL 192 or AL 192H or ATL 110 or ATL 120 or ATL 125 or ATL 130 or ATL 135 or ATL 140 or ATL 145 or ATL 150 or ATL 195H or MC 111 or MC 112 or ATL 115.

Instruction and practice in expository writing. Paper and report topics drawn from readings in the history, philosophy, and other areas of science and technology.

- 144 Biology I: Organismal Biology**

Fall, Spring. 4(3-3) R: Open only to students in Lyman Briggs School. Not open to students with credit in BS 110.

Modern biology at the organismal level of integration. Principles of genetics, evolution, ecology, and organismal diversity as interactive units.

- 145 Biology II: Cellular and Molecular Biology**

Fall, Spring. 5(3-4) P:M: (LBS 144 or BS 110 or LBS 148H) and (CEM 141 or CEM 151 or concurrently or CEM 181H or concurrently or LBS 171 or concurrently) R: Open only to students in Lyman Briggs School. Not open to students with credit in BS 111.

Modern biology mainly at the cellular level of integration. Principles of cell structure and function are used to explain processes of bioenergetics, protein synthesis, and development.

- 148H Honors Organismal Biology**

Fall. 3(3-0) Interdepartmental with Biological Science. R: Honors College student or approval of school. Not open to students with credit in BS 110 or LBS 144.

Diversity and basic properties of organisms, with emphasis on genetic principles, ecological interactions, and the evolutionary process. Historical approach to knowledge discovery.

- 149H Honors Cell and Molecular Biology**

Spring. 3(3-0) Interdepartmental with Biological Science. P:M: (CEM 141 or concurrently or CEM 151 or concurrently or CEM 181H or concurrently or LBS 171 or concurrently) R: Honors College student or approval of school. Not open to students with credit in BS 111 or LBS 145.

Exploration of the physicochemical and molecular organization of cells as the unifying framework for genetics, evolution, and the social relevance of biology.

- 158H Honors Organismal Biology Laboratory**

Fall. 2(1-3) Interdepartmental with Biological Science. Not open to students with credit in BS 110 or LBS 144. C: LBS 148H concurrently.

Basic procedures used by organismal biologists, including experimental design and statistical methods. Development and implementation of research projects to test hypotheses in genetics, ecology, and evolution.