

Landscape Architecture—LA

- 390 Landscape Architecture Field Studies**
Fall, Spring. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors or seniors in Landscape Architecture. Approval of department.

Field observation and analysis of selected professional offices, design and planning projects, natural areas, or places of historic interest. Background familiarization of selected study sites. Evaluation and synthesis of study experiences.

- 420 Advanced Graphic Communication**
Spring. 4(1-6) RB: (LA 342) R: Open only to majors in Landscape Architecture.
Methods of 3-D visualization in the design process.

- 437 Design Implementation**
Fall. 3(0-6) RB: (LA 331) R: Open only to seniors in the Landscape Architecture or Horticulture major. C: LA 443 concurrently and LA 480 concurrently.

Development of a complete package of contract documents for a representative site development project, including construction plans, bid documents, and specifications.

- 439 Golf Course Planning and Design**
Fall of even years. 3(3-0) Interdepartmental with Urban Planning. Administered by Department of Geography. RB: (LA 342) R: Open only to seniors or graduate students in Urban and Regional Planning or Urban and Regional Planning-Urban Studies or Landscape Architecture.

History, planning, and design of the golf course as a component of the community. Environmental, regulatory, technical, and financing issues.

- 443 Community Project Design I**
Fall. 5(2-6) RB: (LA 342) R: Open only to majors in Landscape Architecture or Urban and Regional Planning. Approval of department. C: LA 437 concurrently and LA 480 concurrently.

Development of design solutions for medium scale site development projects focusing on moderately complex design programs and problems.

- 444 Community Project Design II**
Spring. 5(2-6) RB: (LA 443) R: Open only to majors in Landscape Architecture.

The community systems planning process. Application of multiple use theory and techniques. Integration of project demands and community infrastructure.

- 445 Advanced Project Design**
Spring. 4(0-8) RB: (LA 444 and LA 480) R: Open only to seniors in Landscape Architecture.

Application of design theory to complex site development projects in community settings. Interaction of human activities, sites, and end uses. Use of community feedback.

- 446 Regional Environmental Design**
Fall. 3(0-6) RB: (LA 444) R: Open only to seniors in Landscape Architecture or approval of department.

Theory and tools in regional environmental design and their application to site facilities, assignment of land use, and management of landscape structure with special emphasis on spatial identity, visual quality, and environmental modeling. Human dimensions to landscape change.

- 480 Professional Practice (W)**
Fall. 3(2-2) P:M: Completion of Tier I writing requirement. R: Open only to seniors or graduate students in Landscape Architecture. C: LA 437 concurrently and LA 443 concurrently.

Principles and procedures of professional office practice. Organization and management of offices, personnel, and projects. Ethical and legal issues.

- 490 Independent Study**
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 7 credits in all enrollments for this course. R: Open only to students in Landscape Architecture. Approval of department.

Individual investigation of landscape architecture topics in the interest areas of the Landscape Architecture faculty.

- 492 Senior Research Seminar (W)**
Spring. 3(2-2) P:M: Completion of Tier I writing requirement. R: Open only to seniors or graduate students in Landscape Architecture.

Contemporary issues of relevance to the profession.

- 493 Internship in Landscape Architecture**
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to seniors in Landscape Architecture or approval of department.

Supervised experience in approved public agencies and professional offices.

- 494 Special Topics in Landscape Architecture**
Fall, Spring. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to juniors or seniors in Landscape Architecture or approval of department.

Selected subjects in landscape architecture derived from emerging issues and topics.

- 498 Internship in Zoo and Aquarium Science**
Fall, Spring, Summer. 3 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. Interdepartmental with Zoology; Fisheries and Wildlife. Administered by Department of Zoology. R: Open only to juniors or seniors. Approval of department.

Application of zoological experience in a zoo or aquarium setting outside the university.

LANGUAGE, LEARNING AND TEACHING LLT

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

- 307 Methods of Teaching English to Speakers of Other Languages**
Spring. 3(3-0) P:M: Completion of Tier I writing requirement. SA: ENG 307

National and international approaches, methods, materials, settings, needs, and characteristics of TESOL. Survey, evaluation, and application of major effective methods and materials.

- 346 Pedagogical English Grammar for English Teachers**
Fall. 3(3-0) P:M: (LIN 200 or LIN 401) RB: (LIN 434)

Teaching grammar to English-as-second language (ESL) students. Grammar lesson plan development. English grammar, error identification, common English-as-second language errors, evaluation of grammar textbooks, and the role of error correction in English-as-second language teaching.

- 461 Second Language Acquisition**
Fall. 3(3-0) P:M: Completion of Tier I writing requirement. R: Not open to freshmen or sophomores. Approval of department. SA: ENG 461

Factors in second language learning such as age, motivation, language input and interaction, social influences, the role of the native language, and language universals.

LARGE ANIMAL CLINICAL SCIENCES LCS

Department of Large Animal Clinical Sciences College of Veterinary Medicine

- 412 Hazard Analysis and Critical Control Points in Production Medicine**
Spring. 2(2-0) R: Not open to freshmen. Not open to graduate-professional students in the College of Veterinary Medicine.

Animal disease and health in relation to livestock production, food safety and public health. Production medicine and the ability to develop hazard analysis critical control points (HACCP) strategies for animal disease management.

LATIN LTN

Department of French, Classics, and Italian College of Arts and Letters

- 101 Elementary Latin I**
Fall. 4(4-0) R: No previous experience in Latin or designated score on Latin placement test.

Fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings.

- 102 Elementary Latin II**
Spring. 4(4-0) P:M: (LTN 101) or designated score on Latin placement test.

Continued study of the fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings.

- 201 Latin Prose**
Fall. 4(4-0) P:M: (LTN 102) or designated score on Latin placement test.

Intermediate-level Latin prose based on readings of such authors as Sallust, Livy, and Cicero.

- 202 Latin Poetry**
Spring. 4(4-0) P:M: (LTN 201)

Intermediate-level Latin poetry of the Republic and Augustan periods.

- 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.