

## Large Animal Clinical Sciences—LCS

- 813 Seminar**  
Fall, Spring. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. R: Open only to graduate students in Large Animal Clinical Sciences.  
Individualized program of seminar attendance culminating in a student-presented seminar relevant to a specific discipline.
- 825 Experimental Surgical Techniques for Animal Research**  
Fall of odd years. 2(1-2) RB: B.S. degree. R: Open only to graduate students. Approval of department.  
Humane treatment of research animals. Anesthesia, aseptic surgical techniques. Instrumentation for surgery, suture materials and patterns. Tissue handling and wound healing.
- 829 Design and Conduct of Epidemiological Studies and Clinical Trials**  
Spring. 3(2-2) Interdepartmental with Epidemiology. RB: (VM 533) or approval of department. R: Open only to graduate students in the colleges of Human Medicine, Osteopathic Medicine, or Veterinary Medicine.  
Applied analytical methods in experimental design. Assessment of health and disease status of animal and human populations. Risk assessment and interpretation of clinical trials.
- 830 Epidemiology of Foodborne Diseases and Food Safety: An Overview**  
Fall. 3(3-0) Interdepartmental with Epidemiology. RB: Advanced undergraduate courses in biology, microbiology, biological sciences, biochemical sciences, food technology. R: Approval of department.  
Epidemiologic survey of important foodborne diseases addressing recent trends. Sources of surveillance data. Measurement and management of risk factors associated with major foodborne diseases. Tracking foodborne pathogens from farm to table. Introduction to Hazard Analysis Critical Control Points (HACCP).
- 899 Master's Thesis Research**  
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Open only to graduate students in Large Animal Clinical Sciences  
Master's thesis research.
- 901 Investigating the Lung**  
Fall of even years. 2(2-0) Interdepartmental with Physiology; Pathology. R: Open only to graduate students.  
Integrative biology of the lung; structure and function; molecular, cellular, and organ responses to injury.
- 999 Doctoral Dissertation Research**  
Fall, Spring, Summer. 1 to 36 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open only to doctoral students in Large Animal Clinical Sciences.  
Doctoral dissertation research.

## LATIN

### 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: (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: (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: (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: (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: (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: (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: (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: (LTN 402) R: Approval of department.  
Senior thesis under the direction of a faculty member.

## LTN

## 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 results of modern theoretical and applied linguistics. Examples from a variety of languages.
- 411 History of Linguistics**  
Spring. 3(3-0) P: (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: (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: (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: (LIN 200 or LIN 401)  
Structure of sentences and structural relations among phrases. Methods of syntactic analysis and argumentation.

## LIN