

LARGE ANIMAL CLINICAL SCIENCES

- 650*. Equine Medicine and Surgery Clerkship**
 Fall, Spring, Summer. 6(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Concepts and supervised practice in equine medicine and surgery. Emphasis on diagnosis, prognosis, treatment and disease prevention.
- 651*. Equine Musculoskeletal Disease Clerkship**
 Fall. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Techniques and procedures used for the diagnosis and management of a variety of equine musculoskeletal diseases utilizing hospitalized and field cases.
- 654*. Advanced Equine Medicine and Surgery Clerkship**
 Spring. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 In-depth, supervised equine medicine and surgery.
- 656*. Large Animal Anesthesiology Clerkship**
 Fall, Spring, Summer. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Concepts and supervised practice in large animal anesthesiology.
- 660*. Field Service/ Food Animal Clerkship**
 Fall, Spring, Summer. 6(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Management of both individual and herd animal disease problems in both a hospital and on-farm environment. Skills in theriogenology. Introduction to principles of herd health management and clinical epidemiology.
- 664*. Dairy Herd Health Clerkship**
 Fall, Spring. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Dairy farm and herd health management, record keeping, general management, housing, nutrition and mastitis control will be emphasized.
- 666*. Equine Herd Health Clerkship**
 Fall. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Establishing and maintaining herd health programs for equine operations.
- 668*. Swine Herd Health Clerkship**
 Fall, Spring. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Swine diseases and related production problems encountered in swine herd health programs.
- 672*. Advanced Food Animal Clerkship**
 Spring. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Advanced, supervised food animal surgery and medicine.
- 674*. Preceptorship**
 Fall, Spring, Summer. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Applied large animal clinical science. Students participate in all the activities in assigned private practices tutored by practitioners with adjunct faculty appointments.
- 676*. Veterinary Nutrition for Livestock Clerkship**
 Fall, Spring. 2(-)
 P: Completion of Year 3 of the College of Veterinary Medicine. R: Year 4 College of Veterinary Medicine Veterinary Medicine none
 Evaluating the nutritional status and rations of livestock.
- 677*. Veterinary Preceptorship**
 Fall, Spring, Summer. 3(-) May reenroll for a maximum of 6 credits.
 P: Completion of semesters 1-5 of the College of Veterinary Medicine. R: College of Veterinary Medicine Veterinary Medicine none
 Applied large animal clinical science. Students participate in all activities in assigned private practices tutored by practitioners with adjunct faculty appointments.
- 809*. Special Problems in Large Animal Surgery**
 Fall, Spring, Summer. 1 to 3 credits.
 May reenroll for a maximum of 9 credits.
 P: Approval of department R: MS and PhD graduate students Veterinary Medicine Large Animal Clinical Sciences
 Elective work in selected surgical research problems compatible with student's interest and ability.
- 811*. Special Problems in Large Animal Medicine**
 Fall, Spring, Summer. 1 to 3 credits.
 May reenroll for a maximum of 9 credits.
 P: Approval of department R: MS and PhD students Veterinary Medicine Large Animal Clinical Sciences
 Elective work in selected medicine related research problems compatible with student's interest and ability.
- 813*. Seminar**
 Fall, Spring, Summer. 1(01-00)
 P: Approval of department R: MS and PhD students Veterinary Medicine Large and Small Animal Clinical Sciences
 Presentations and discussions by departmental graduate students, faculty, or outside speakers on current topics
- 825*. Experimental Surgical Techniques for Animal Research**
 Fall of odd-numbered years. 2(01-02)
 P: B.S. Degree or equivalent, Approval of Department R: MS and PhD graduate students
 Fundamentals of humane treatment of animals, anesthesia, aseptic surgical techniques, instrumentation for surgery, suture materials and patterns, tissue handling and wound healing for experimental animal research.
- 827*. Comparative Theriogenology**
 Spring of even-numbered years. 2(02-00)
 P: VM 580, Approval of department R: MS and PhD students Veterinary Medicine Large and Small Animal Clinical Sciences
 Provide the student with the information on comparative pathophysiology of the reproductive system of domestic animals with the emphasis on clinical theriogenology
- 828*. Tropical Animal Health**
 Spring. 2(02-00)
 P: Professional Student in CVM, CHM or COM, Approval of Department
 Course provided an overview of the importance of animal health in the tropics and the impact on agriculture, the livestock industry and human welfare
- 829*. Design and Conduct of Epidemiological Studies and Clinical Trials**
 Spring. 2(02-00)
 P: VM 554 or its equivalent, approval of department R: MS or PhD graduate students
 Advanced epidemiology with emphasis on applied analytical methods used in experimental design. Special consideration will be given to assessing health and disease status of animal and human populations, risk assessment and interpretation of clinical trials
- 899*. Master's Thesis Research**
 Fall, Spring, Summer. 1 to 12 credits.
 May reenroll for a maximum of 18 credits.
 C: Approval of Department R: MS graduate students Veterinary Medicine Large Animal Clinical Sciences
 Research on thesis problems
- 901*. Investigating the Lung**
 Fall of even-numbered years. 2(02-00)
 Interdepartmental with the Department(s) of Physiology, Pathology.
 P: Approval of department R: MS and PhD students Veterinary Medicine Large Animal, Small Animal, Physiology, Pathology
 Classic and current concepts of respiratory structure and function in health and disease and mechanisms of lung injury
- 999*. Doctoral Dissertation Research**
 Fall, Spring, Summer. 1 to 12 credits.
 May reenroll for a maximum of 99 credits.
 P: Approval of Department R: PhD graduate students Veterinary Medicine Large Animal Clinical Sciences
 Credit given for conducting animal disease research under guidance of mentor(s), completing dissertation and defending dissertation.

LATIN

LTN

- 101*. Elementary Latin I**
 Fall. 4(4-1)
 R: No previous experience in Latin or designated score on Latin placement test.
 Fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings.
 QA: LTN 101 LTN 102
- 102*. Elementary Latin II**
 Spring. 4(4-1)
 P: LTN 101 or designated score on Latin placement test. R: LTN 101 or placement
 Continued study of the fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings.
 QP: LTN 102 QA: LTN 103

LATIN

201*. **Latin Prose**
 Fall, 4(4-1)
 P: LTN 102 or designated score on Latin placement test. R: LTN 102 or placement
 Intermediate-level Latin prose based on readings of such authors as Sallust, Livy, and Cicero.
 QP: LTN 103 QA: LTN 201 LTN 202

202*. **Latin Poetry**
 Spring, 4(4-1)
 P: LTN 201. R: LTN 201 or placement
 Intermediate-level Latin poetry of the Republic and Augustan periods.
 QP: LTN 201 QA: LTN 203 LTN 203L

290*. **Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 R: Approval of the Department
 Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
 QA: LTN 299

301*. **Republican Prose and Poetry**
 Fall of even-numbered years. 3(3-0)
 P: LTN 202. R: LTN 202 or placement
 Cicero, Caesar, Sallust, Plautus, Terence, Catullus, and Lucretius.
 QP: LTN 203 QA: LTN 300

302*. **Augustan Poetry**
 Spring of odd-numbered years. 3(3-0)
 P: LTN 202.
 Poetry of Augustan Rome. Virgil, Horace, Propertius, Tibullus, and Ovid.
 QP: LTN 203 QA: LTN 300

401*. **Augustan and Early Imperial Prose**
 Fall of odd-numbered years. 3(3-0)
 P: LTN 301 or LTN 302.
 Augustan and Early Imperial prose writers. Livy, Augustus, Tacitus, Petronius, Suetonius, and others.
 QP: LTN 300 QA: LTN 490

402*. **Imperial Poetry**
 Spring of even-numbered years. 3(3-0)
 P: LTN 301 or LTN 302.
 Poets of the Empire: Lucan, Seneca, Persius, Juvenal, Silius Italicus, Statius, and others.
 QP: LTN 300 QA: LTN 490

490*. **Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 4 credits.
 R: Approval of the Department
 Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.
 QA: LTN 499

499*. **Senior Thesis**
 Fall, Spring. 3(-)
 P: LTN 402. R: Approval of department.
 Senior thesis under the direction of a faculty member.
 QP: LTN 490

LINGUISTICS LIN

200*. **Language and Linguistics**
 Fall, Spring. 3(3-0)
 R: Not open to students with credit in LIN 401
 Introductory survey especially for students in areas other than linguistics; emphasizes linguistic concepts related to students' experiences; applications of linguistics to various disciplines.
 QA: LTN 200

271*. **Language in Society**
 Fall, Spring. 3(3-0)
 R: Not open to students with credit in LIN 471.

Linguistic values of languages and their varieties. Origin, status and function of language varieties in social settings. Factors influencing language change and maintenance in individuals and social groups.
 QA: LTN 280

401*. **Introduction to Linguistics**
 Fall, Spring. 4(4-0)

The scientific study of human languages. Basic goals, concepts, methods, and research results of modern theoretical and applied linguistics with examples from a variety of languages.
 QA: LTN 401

411*. **History of Linguistics**
 Fall. 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.
 QP: LIN 200 LIN 401 QA: LTN 408

424*. **Phonology**
 Fall, Spring. 3(3-0)
 P: LIN 200 or LIN 401.

Sounds and sound systems: articulatory phonetics, phonetic features and components, classical phonemics, and phonology in contemporary linguistic theories.
 QP: LIN 200 ORLIN 401 QA: LTN 402

431*. **Morphological and Syntactic Phenomena**
 Spring. 4(4-0)
 P: LIN 424 or concurrently

Essential phenomena of morphology and syntax in the languages of the world, including formal methods for their description. Structure of words in terms of morphemes; structure of phrases, clauses, and sentences; and relations between words
 QP: LIN 200 LIN 401 LIN 402 QA: LTN 403 LIN 404

434*. **Syntax**
 Fall. 3(3-0)
 P: LIN 401.

Structure of sentences and structural relations among sentences. Methods of syntactic analysis and argumentation.
 QP: LIN 200 ORLIN 401 QA: LTN 431

437*. **Semantics and Pragmatics**
 Spring. 3(3-0)
 P: LIN 200 or LIN 401 or approval of department

Important semantic properties and relations. Entailment, ambiguity, theories of word meaning, sentence meaning and logical form. Topics in pragmatics, such as presupposition, conversational implicature, speech acts.
 QP: LIN 200 LIN 401 QA: LTN 435

441*. **Historical Linguistics**
 Spring. 3(3-0)
 P: LIN 431 or concurrently

Types of linguistic change and the methods used by linguists to study the historical development of languages and language families.
 QP: LIN 403 QA: LTN 471 LIN 404

450*. **Child Language Acquisition**
 Spring. 3(3-0)
 P: LIN 200 or LIN 401. R: Not open to students with credit in LIN 404.

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.
 QP: LIN 200 ORLIN 401 QA: LTN 404

471*. **Sociolinguistics**
 Fall. 3(3-0)
 P: 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.
 QP: LIN 200 LIN 401 QA: LTN 415

490*. **Independent Study**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 8 credits.

R: Approval of the Department
 Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

491*. **Special Topics**
 Fall, Spring, Summer. 1 to 4 credits.
 May reenroll for a maximum of 8 credits.

R: Approval of the Department
 Special topics supplementing regular course offerings proposed by faculty on a group study basis.

499*. **Senior Thesis Research(W)**
 Fall, Spring, Summer. 2(-)
 R: Approval of the Department

An individual research project supervised by a faculty member that demonstrates the student's ability to do independent research and submit or present a major paper.
 QA: LTN 490

813*. **Foundations of American Structuralism**
 Fall of even-numbered years. 3(3-0)
 P: LIN 431

Critical reading of basic texts in linguistics from 1900 to the 1960s with primary emphasis on American structuralism and its major offshoots.
 QP: LIN 403 LIN 404 QA: LTN 808

815*. **Stratificational Linguistics**
 Fall of odd-numbered years. 3(3-0)
 P: LIN 431

The theory of language developed by Sydney M. Lamb and its application to grammatical, semological, and phonological phenomena. The relation of stratificational theory to other views of language.
 QP: LIN 403 404 QA: LTN 821 LIN 831

824*. **Issues in Phonology**
 Fall. 3(3-0)
 P: LIN 424

Findings, theories, current issues and research in the study of the sound systems of language. Methods of phonological analysis and argumentation.
 QP: LTN 402 QA: LTN 821

834*. **Issues in Syntax**
 Fall. 3(3-0)
 P: LIN 434

Findings, theories, current issues and research in the study of the structure of sentences and structural relations among sentences. Methods of syntactic analysis and argumentation.
 QP: LTN 431 QA: LTN 831

837*. **Advanced Studies in Semantics and Pragmatics**
 Fall of even-numbered years. 3(3-0)
 May reenroll for a maximum of 6 credits.

P: LIN 437 R: For reenrollment, approval of department.
 Research on selected topics in semantics and/or pragmatics, such as noun phrase interpretation, tense and aspect, conversational implicature, negation. Advanced level analytical techniques.
 QP: LTN 435 QA: LTN 835