688. Beef Production Medicine  
Fall, Spring, Summer. 3 credits. 
P: LCS 630 or LCS 631 or LCS 636 or LCS 643. R: Completion of semester 5 of the professional veterinary program. Open only to graduate-professional students in College of Veterinary Medicine. Veterinary management of production and health of beef cattle. Visits to out-of-state facilities may be required.

639. Small Ruminant Medicine  
Fall, Spring, Summer. 3 credits. 
P: LCS 640 or LCS 641. R: Completion of semester 5 of the professional veterinary program. Open only to graduate professional students in College of Veterinary Medicine. Veterinary health care to small ruminants on an individual and flock/herd basis. Emphasis on sheep.

640. Large Animal Anesthesia Clerkship  
Fall, Spring, Summer. 3 credits. 
P: LCS 630 or LCS 640 or LCS 641. R: Completion of semester 5 of the professional veterinary program. Open only to graduate-professional students in College of Veterinary Medicine. Technique for evaluating the reproductive performance of food animal individuals and populations. Emphasis on cattle. Farm visits.

641. Food Animal Theriogenology  
Fall, Spring, Summer. 3 credits. 
P: LCS 643. R: Completion of semester 5 of the professional veterinary program. Open only to graduate-professional students in College of Veterinary Medicine. Techniques for evaluating the reproductive performance of food animal individuals. Emphasis on cattle. Farm visits.

642. Veterinary Preceptorship  
Fall, Spring, Summer. 3 credits. 
P: LCS 620 or LCS 621 or LCS 630 or LCS 631. R: Not open to students with credit in LCS 674 or VM 610 or VM 611. Applied large animal clinical science in private practices. Supervised off-campus experience.

678. Government and Corporate Veterinary Practice  
Fall, Spring. 3 credits. 
P: Completion of semester 5 of the professional veterinary program. Open only to graduate-professional students in College of Veterinary Medicine. Preparation for employment in government and corporate veterinary practice.

809. Special Problems in Large Animal Surgery  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students in Large Animal Clinical Sciences. Approval of department. Elective work in surgical research problems student's interest.

811. Special Problems in Large Animal Medicine  
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to graduate students in Large Animal Clinical Sciences. Approval of department. Elective work in medicine related research problems student's interest.

813. Seminar  
Fall, Spring, Summer. 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 or Small Animal Clinical Sciences. Approval of department. Presentation and discussions of current topics by graduate students, faculty, or outside speakers.

825. Experimental Surgical Techniques for Animal Research  
Fall of odd numbered years. 2(1-2) 
P: 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.

827. Comparative Theriogenology  
Spring of even-numbered years. 2(2-0) 
P: VM 580. R: Open only to graduate students in Large Animal Clinical Sciences or Small Animal Clinical Sciences. Approval of department. Comparative pathophysiology of reproductive systems of domestic animals. Emphasis on clinical theriogenology.

828. Tropical Animal Health  
Spring. 2(2-0) 
P: Open only to graduate-professional students in College of Human Medicine, College of Osteopathic Medicine, College of Veterinary Medicine. Approval of department. Animal health in the tropics. Impact on agriculture, the livestock industry, and human welfare.

829. Design and Conduct of Epidemiological Studies and Clinical Trials  
Spring, 3(2-2) Interdepartmental with Human Medicine. 
P: VM 553 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.

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 graduate students in Large Animal Clinical Sciences. Approval of department.

LATIN  
Department of Romance and Classical Languages  
College of Arts and Letters

101. Elementary Latin I  
Fall. 4(4-0) 
P: 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) 

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 numbered years. 3(3-0) 

302. Augustan Poetry (W)  
Spring of odd-numbered years. 3(3-0) 
P: LTN 202. R: Completion of Tier I writing requirement. Poetry of Virgil, Horace, Propertius, Tibullus, and Ovid.

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.

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.
P: Origin and development of linguistic studies from the Caribbean, Latin America and various diaspora by English. Special social settings. Factors influencing language change and maintenance in individuals and social groups.

200. Introduction to Language Fall, Spring. 3(3-0)
R: 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.

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

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.

360. Postcolonial Literature and Theory Fall, Spring. 3 credits. Interdepartmental with English and Romance Languages. Administered by English. P: 3 credits of literature. R: Completion of Tier I writing requirement. Theories and literatures involving colonization, decolonization, neocolonialism, cultural and political independence. Texts drawn principally from Asia, Africa, the Caribbean, Latin America and various diaspora communities.

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

434. 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.


462 or 499. 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.

Linguistics — Descriptions of Courses

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: 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. R: Completion of Tier I writing requirement. Approval of 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.

810. Theory and Practice of Teaching a Non-European Language Fall. 3(3-0)
P: LIN 401; proficiency in the language. R: Not open to students with credit in GRM 810 or RUS 804 or FRN 800 or SPN 800 or RUG 807 or RUG 808. Theories and practice of college-level teaching of a non-European language (e.g., Japanese) to non-native speakers. Teaching of pronunciation, writing system, listening, speaking, reading, writing, and culture. Testing, contructive exam, error analysis, material development, curriculum design, and lesson planning.

813. Foundations of American Structuralism Fall of even-numbered years. 3(3-0) P: LIN 421. Critical reading of basic texts in linguistics from 1900 to the 1960s with primary emphasis on American structuralism and its major derivatives.

815. Stratificational Linguistics Fall of odd-numbered years. 3(3-0) P: LIN 431. Theory of language developed by Sydney M. Lamb and its application to grammatical, semiological, and phonological phenomena. The relation of stratificational theory to other views of language.


857. Selected topics in semantics and 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. P: LIN 450. Children’s native language acquisition: research methods, cross-linguistic data, and explanations from linguistic theory. Topics such as learnability, parameters, innateness, narratives, individual variation, and bilingualism.