678 Government and Corporate Veterinary Practice
Spring, 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Study of government veterinary practice issues including state, federal and international regulatory medicine, state and federal public health, state and federal wildlife, military veterinary medicine, food safety, and animal control. Study of corporate veterinary practice pertaining to the pharmaceutical and chemical industries.

680 Food Animal Techniques
Spring, 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Basic food animal techniques including surgery, anesthesia, diagnostic and therapeutic procedures.

681 Food Animal Production Medicine I
Spring, 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Entry-level principles of production medicine as applied to food animal practice. Discussion and laboratory format.

682 Food Animal Production Medicine II
Fall, Spring, 3 credits. P:M: (LCS 681 or concurrently) RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Continuation of LCS 681. Farm evaluations and group problem-solving. Application and further development of skills and concepts.

683 Food Animal Production Medicine III
Fall, Spring, 3 credits. P:M: (LCS 682 or concurrently) RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Analysis of farm records and production medicine variables. Advanced production medicine topics. Individual, off-campus farm experiences required.

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 the Department of Large Animal Clinical Sciences. Approval of department. Elective work in medicine-related research problems.

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:M: (LTC 101) or designated score on Latin placement test. Continued study of the fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings.

122 Accelerated Elementary Latin
Fall of even years. 5(5-2) Not open to students with credit in LTC 101 or LTC 102. Accelerated introductory Latin, with emphasis on vocabulary, morphology, and syntax.

201 Latin Prose
Fall. 4(4-0) P:M: (LTC 102) or designated score on Latin placement test. Intermediate-level Latin prose based on readings of such authors as Sallust, Livy, and Cicero.

206 Nepos and Latin Prose
Fall of even years. 3(3-0) P:M: (LTC 102) Selected lives of Cornelius Nepos in the original Latin, with readings in other early and Republican prose authors.

208 Catullus and Lucretius
Spring of odd years. 3(3-0) P:M: (LTC 102) Readings from Catullus's poems and from Lucretius's "De Rerum Natura" in Latin with additional readings.

211 Livy and Roman Historiography
Fall of odd years. 3(3-0) P:M: (LTC 102) Selections from Livy's "Ab Urbe Condita" in the original Latin.

221 Virgil and Latin Poetry
Spring of even years. 3(3-0) P:M: (LTC 102) Readings from Virgil's "Eclogues", "Georgics", and "Aeneid" in Latin. Additional readings from other Latin poets of the later Republic and Augustan periods.

224 Accelerated Intermediate Latin
Spring of even years. 5(5-2) P:M: (LTC 102 or LTC 122) Not open to students with credit in LTC 206 or LTC 208 or LTC 211 or LTC 221. Accelerated intermediate Latin with emphasis on reading and Neo-Latin.

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.
Latin—LTN

306 The Works of Cicero (W)  
Fall of even years. 3(3-0) P:M: (LTN 208 or LTN 221) and completion of Tier I writing requirement.  
Selected oratorical and philosophical works of Cicero in the original Latin.

308 Roman Comedy (W)  
Spring of odd years. 3(3-0) P:M: (LTN 221 or LTN 208) and completion of Tier I writing requirement.  
Selected comedies of Plautus and Terence in the original Latin.

311 Augustine and His Age (W)  
Fall of odd years. 3(3-0) P:M: (LTN 221 or LTN 208) and completion of Tier I writing requirement.  
The "Confessions" and other works of Augustine in the original Latin.

321 The Works of Ovid (W)  
Spring of odd years. 3(3-0) P:M: (LTN 208 or LTN 221) and completion of Tier I writing requirement.  
Selected books of Ovid's "Metamorphoses" in the original Latin.

406 Senior Seminar: Tacitus (W)  
Fall of even years. 3(3-0) P:M: (LTN 308 or LTN 321) and completion of Tier I writing requirement.  
Advanced study of the works of Tacitus in the original Latin.

408 Senior Seminar: Virgil (W)  
Spring of even years. 3(3-0) P:M: (LTN 308 or LTN 321) and completion of Tier I writing requirement.  
Advanced study of the works of Virgil in the original Latin.

411 Senior Seminar: Petronius and Apuleius (W)  
Fall of odd years. 3(3-0) P:M: (LTN 321 or LTN 308) and completion of Tier I writing requirement.  
Advanced study of Petronius and Apuleius in the original Latin.

421 Senior Seminar: Horace (W)  
Spring of even years. 3(3-0) P:M: (LTN 321 or LTN 308) and completion of Tier I writing requirement.  
Advanced study of the works of Horace in the original Latin.

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. 1(1-0) P:M: (LTN 308 or LTN 321) R: Approval of department. C: LTN 406 concurrently. LTN 408 concurrently. LTN 411 concurrently. LTN 421 concurrently.

Senior thesis capstone under the direction of a faculty member.