Equine Medicine and Surgery Clerkship
Fall, Spring, Summer. 6 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 620. Supervised practical in equine medicine and surgery. Diagnosis, prognosis, treatment, and disease prevention. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 650

Equine Musculoskeletal Disease Clerkship
Fall. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 622. Diagnosis and management of equine musculoskeletal diseases. Hospitalized and field cases. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 651

Advanced Equine Medicine and Surgery Clerkship
Spring. 2 credits.
P: LCS 650. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 623. In-depth, supervised equine medicine and surgery. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 654

Large Animal Anesthesiaology Clerkship
Fall, Spring, Summer. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 640. Concepts and supervised practice in large animal anesthesiaology. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 656

Field Service and Food Animal Clerkship
Fall, Spring, Summer. 6 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 630 or LCS 631. Management of individual and herd animal disease problems. Herd health management and clinical epidemiology. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 659 or LCS 631 QA: LCS 660

Dairy Herd Health Clerkship
Fall, Spring. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 833. Dairy farm and herd health management. Record keeping, general management, housing, nutrition, mastitis control. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 664

Equine Herd Health Clerkship
Fall, Spring. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 825. Establishing and maintaining herd health programs for equine operations. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 666

Stine Herd Health Clerkship
Fall, Spring. 2 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 634. Swine diseases for related production problems in swine herd health programs. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 688

Advanced Food Animal Clerkship
Spring. 2 credits.
P: LCS 680. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 682. In-depth, supervised food animal surgery and medicine. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 679

Preceptorship
Fall, Spring, Summer. 4 credits.
R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Not open to students with credit in LCS 677 or VM 610 or VM 611. Applied large animal clinical science in private practice. Supervised off-campus experience. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 674

Veterinary Nutrition for Livestock Clerkship
Fall, Spring. 2 credits.
P: LCS 680. R: Open only to fourth year graduate-professional students in College of Veterinary Medicine. Evaluating the nutritional status and ration of livestock. Temporary approval effective from Fall Semester 1992 through Spring Semester 1996. QA: LCS 676

Veterinary Preceptorship
Fall, Spring, Summer. 3 credits.
A student may earn a maximum of 6 credits in all enrollments for this course. R: Completion of semester 5 of the graduate professional program in the College of Veterinary Medicine. Not open to students with credit in LCS 674 or VM 610 or VM 611. Applied large animal clinical science in private practice. Supervised off-campus experience. QA: LCS 674

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. Effective work in surgical research problems student's interest. QA: LCS 689

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. Effective work in medical related research problems student's interest. QA: LCS 611

Seminar
Fall, Spring, Summer. 1 credit. 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. QA: LCS 612

Experimental Surgical Techniques for Animal Research
Fall of even-numbered years. 2(2-0) P: B.S. degree. R: Open only to graduate students. Approval of department. Human and animal research animals. Anesthesia, aseptic surgical techniques. Instrumentation for surgery, tissue handling and wound healing.

Comparative Theriogenology
Spring of odd-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.

Tropical Animal Health
Spring. 2(2-0) R: 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.

Design and Conduct of Epidemiological Studies and Clinical Trials

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. Approval of department.

Investigating the Lung
Fall of even-numbered years. 3(3-0) Interdepartmental with Physiology and Pathology. R: Open only to M.S. and Ph.D. students in Large Animal Clinical Sciences, Small Animal Clinical Sciences, Physiology, and Pathology. Approval of department. Classical and modern concepts of respiratory structure and function in health and disease. Mechanisms of lung injury. QA: LCS 901

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

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

Elementary Latin II
Spring. 4(4-1) P: LTN 101 or designated score on Latin placement test. Continued study of fundamentals of vocabulary, grammar, and syntax. Translation of elementary readings. QA: LTN 102, LTN 103
Linguistics

Department of Linguistics and Germanic, Slavic, Asian and African Languages

College of Arts and Letters

200. Introduction to Language
Fall, Spring. 3(0-0)
Not open to students with credit in LIN 401.
Human and social aspects of the nature, use, acquisition, and history of language. QA: LIN 200

201. Language in Society
Fall, Spring. 3(0-0)
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. QA: LIN 280

202. Introduction to Linguistics
Fall, Spring. 4(0-0)
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. QA: LIN 401

203. History of Linguistics
Fall. 3(0-0)
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. QA: LIN 400 or LIN 401 QA: LIN 408

204. Phonology
Fall, Spring. 3(0-0)
P: LIN 200 or LIN 401.
Sounds and sound systems: articulatory phonetics, phonetic features and components, classical phonemics, and phonology in contemporary linguistic theories. QA: LIN 200 or LIN 401 QA: LIN 402

205. Morphological and Syntactic Phenomena
Spring. 4(0-4)
P: LIN 424 or concurrently.
Structure of words, phrases, clauses, and sentences. Examples from languages of the world, and formal methods for their description. QA: LIN 200, LIN 401, LIN 402 QA: LIN 403, LIN 404

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

411. History of Linguistics
Fall. 3(0-0)
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. QA: LIN 400 or LIN 401 QA: LIN 408

424. Phonology
Fall, Spring. 3(0-0)
P: LIN 200 or LIN 401.
Sounds and sound systems: articulatory phonetics, phonetic features and components, classical phonemics, and phonology in contemporary linguistic theories. QA: LIN 200 or LIN 401 QA: LIN 402

206. Syntax
Fall. 3(0-0)
P: LIN 200 or LIN 401.
Structure of sentences and structural relations among sentences. Methods of syntactic analysis and argumentation. QA: LIN 200 or LIN 401 QA: LIN 431

207. Semantics and Pragmatics
Spring. 3(0-0)
P: LIN 200 or LIN 401 or approval of department.
Semiotic properties and relations. Entailment, ambiguity, theory of word and sentence meaning, and logical form. Topics in pragmatics, such as presupposition, conversational implicature, and assertion. QA: LIN 200 or LIN 401 QA: LIN 435

208. Historical Linguistics
Spring. 3(0-0)
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. QA: LIN 403 QA: LIN 471

340. Syntax
Fall. 3(0-0)
P: LIN 200 or LIN 401.
Structure of sentences and structural relations among sentences. Methods of syntactic analysis and argumentation. QA: LIN 200 or LIN 401 QA: LIN 431

341. Historical Linguistics
Spring. 3(0-0)
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. QA: LIN 403 QA: LIN 471

345. Child Language Acquisition
Spring. 3(0-0)
P: 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. QA: LIN 200 or LIN 401 QA: LIN 410

346. Child Language Acquisition
Spring. 3(0-0)
P: 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. QA: LIN 200 or LIN 401 QA: LIN 410

347. Sociolinguistics
Fall. 3(0-0)
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 communities, communicative competence, dialect, and language change. QA: LIN 200 or LIN 401 QA: LIN 418

348. Child Language Acquisition
Spring. 3(0-0)
P: 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. QA: LIN 200 or LIN 401 QA: LIN 410

409. Special Topics
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 topics supplementing regular course offerings proposed by faculty on a group study basis.

410. Thesis Research
Fall, Spring. 2 credits. R: 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. QA: LIN 490

411. Foundations of American Structuralism
Fall of even-numbered years. 3(0-0)
Critical reading of basic texts in linguistics from 1900 to the 1960s with primary emphasis on American structuralism and its influence. QA: LIN 403, LIN 404 QA: LIN 808

412. Historical Linguistics
Fall of odd-numbered years. 3(0-0)
Theory of language developed by Sydney M. Lamb and its application to grammatical, semological, and phonological phenomena. The relation of relativist theory to other views of language. QA: LIN 403, LIN 404 QA: LIN 821, LIN 831

413. Issues in Phonology
Fall. 3(0-0)
P: LIN 424
Theories, current issues, and research in the study of the sound systems of language. Methods of phonological analysis and argumentation. QA: LIN 402 QA: LIN 821

414. Issues in Syntax
Fall. 3(0-0)
P: LIN 434
Theories, current issues, and research in the study of the structure of sentences and structural relations among sentences. Methods of syntactic analysis and argumentation. QA: LIN 431 QA: LIN 831

415. Advanced Studies in Semantics and Pragmatics
Fall of even-numbered years. 3(0-0)
A student may earn a maximum of 6 credits in all enrollments for this course. QA: LIN 435
Select topics in semantics and/or pragmatics, such as noun phrase interpretation, tense and aspect, conversational implicature, and negation. Advanced level analytical techniques. QA: LIN 435 QA: LIN 835

416. Advanced Studies in Child Language Acquisition
Spring. 3(0-0)
A student may earn a maximum of 6 credits in all enrollments for this course. QA: LIN 490
Children's native language acquisition: research methods, cross-linguistic data, and explanations from linguistic theory. Topics such as learnability, parameters, innateness, narrativity, individual variation, and bilingualism. QA: LIN 410 QA: LIN 810

417. Advanced Studies in Second Language Acquisition
Spring. 3(0-0)
A student may earn a maximum of 6 credits in all enrollments for this course. QA: LIN 490
Current issues and theories of second and foreign language acquisition. Role of language structure, personality, and general cognition. Methods of research. QA: LIN 401 QA: LIN 861