307 Methods of Teaching English to Speakers of Other Languages
Spring, 3(3-0) P: Completion of Tier I writing requirement. SA: ENG 307
National and international approaches, methods, materials, settings, needs, and characteristics of TESOL. Survey, evaluation, and application of major effective methods and materials.

346 Pedagogical English Grammar for English Teachers
Fall, 3(3-0) P: (LIN 200 or LIN 401) RB: (LIN 434)

461 Second Language Acquisition
Fall, 3(3-0) P: Completion of Tier I writing requirement. R: Not open to freshmen or sophomores. Approval of department. SA: ENG 461
Factors in second language learning such as age, motivation, language input and interaction, social influences, the role of the native language, and language universals.

807 Language Teaching Methods
Spring, 3(3-0) R: Open only to graduate students in College of Arts and Letters. SA: ENG 807
Approaches, methods, and materials for teaching foreign and second languages, including the teaching of listening, speaking, reading, and writing. Selection and evaluation of materials, lesson planning, and management of activities and materials.

808 Advanced Studies in Language Teaching
Spring, 3(3-0) R: A student may earn a maximum of 6 credits in all enrollments for this course. RB: (LLT 807) R: Open only to master's students in Teaching English to Speakers of Other Languages. SA: ENG 808

841 Topics in Second/Foreign Language Learning and Teaching
Fall, Spring, 3(3-0)
Selected topics and issues in second/foreign language learning and teaching.

861 Advanced Topics in Second Language Acquisition
Fall, 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. P.M.: (LLT 461 or LLT 872) R: Approval of department.
Advanced course in second language acquisition. Topics will vary from year to year based on current topics in the field and faculty interests.

862 Advanced Research in Second Language Acquisition
Spring, 3(3-0) P.M.: (LLT 861) R: Approval of department.

872 Research Methods for Language Teaching and Foreign/Second Language Learning
Fall, Spring, 3(3-0) RB: (LLT 807 and LLT 461)
Concepts and procedures for designing and conducting research in second/foreign language learning and teaching.

890 Independent Study
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 8 credits in all enrollments for this course. Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.

896 Practicum in Teaching English as a Second Language
Spring, 3(3-1) A student may earn a maximum of 6 credits in all enrollments for this course. Syllabus and lesson plan development for a six-week English as a Second Language course. Team teach in a community setting.

897 Teaching English as a Second Language
Spring, 3(3-0)
Teaching of pedagogical skills and grammar at different proficiency levels.

898 Master's Research
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Directed research in support of Plan B master's degree requirements.

899 Master's Thesis Research
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Directed research leading to a master's thesis, used in partial fulfillment of Plan A master's degree requirements.

992B Seminar in English as a Second Language
Fall. 3(3-0) A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to doctoral students in the College of Arts and Letters or approval of department. SA: ENG 992B
Contemporary theories and issues relating to learning English as a second language.
622  Equine Clinical Clerkship II  
Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: (LCS 620) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Advanced general training in equine medicine and surgery.

623  Equine Musculoskeletal Diseases Clerkship  
Fall, Spring, Summer. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Techniques and procedures used for the diagnosis and management of equine musculoskeletal diseases. Hospital and field cases.

624  Equine Theriogenology Clerkship  
Fall, Spring, Summer. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Diagnostic methods used in equine reproduction.

625  Equine Herd Health Clerkship  
Fall, Spring. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Establishment and maintenance of equine herd health programs. Reproduction, parasite control, immunization, and diagnostic medicine and surgery in the field.

626  Advanced Equine Surgery  
Fall, Spring, Summer. 3 credits. RB: (LCS 620 and LCS 622) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Advanced, in-depth training in overall surgical management of equine surgical patients. Breeds used for racing or sport.

627  Advanced Equine Medicine  
Spring. 3 credits. RB: (LCS 620) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Advanced, in-depth training in the medical management of equine patients. Emphasis on neonates.

628  Techniques in Equine Anesthesia and Surgery  
Fall, Spring. 3 credits. RB: (LCS 620 and LCS 622 and LCS 640) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Advanced equine anesthesia and surgery. Preoperative care of University-owned equids, induction of anesthesia, and performance of minor surgical procedures.

630  Food Animal Medicine and Surgery Clerkship  
Fall, Spring. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Principles of diagnosis, treatment and prevention of diseases in food and fiber animals. In-clinic and on-farm experience. Required clerkship.

631  Food Animal Practice Clerkship  
Fall, Spring. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Supervised, off-campus experience in an assigned veterinary practice. Regular food animal farm calls. After-hours emergencies. Veterinary practice management.

632  Advanced Food Animal Medicine and Surgery Clerkship  
Fall, Spring. 3 credits. RB: (LCS 630) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. In-depth, supervised food animal medicine and surgery.

633  Swine Production Medicine Clerkship  
Fall, Spring. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Swine diseases and related production problems encountered in swine herd health programs.

634  Swine Production Medicine II  
Fall, Spring. 3 credits. RB: (LCS 630 or LCS 631 or LCS 680 or LCS 681) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Veterinary management of production and health of beef cattle. Optional visits to out-of-state facilities may be offered.

635  Small Ruminant Medicine  
Spring. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Health care to small ruminants on an individual and flock or herd basis. Emphasis on sheep.

636  Large Animal Anesthesia Clerkship  
Fall, Spring. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Concepts and supervised practice in large animal anesthesiology.

637  Food Animal Theriogenology  
Fall, Spring. 3 credits. RB: (LCS 680 and LCS 681 and LCS 682) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Techniques for evaluating the reproductive performance of food animal individuals and populations. Emphasis on cattle. Farm visits.

638  Equine Neonatal Medicine Clerkship  
Summer. 3 credits. RB: Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Principles of breeding farm management. Diagnosis and treatment of equine neonatal disorders. Supervised, in-clinic experience. Elective clerkship.

677  Veterinary Preceptorship  
Fall, Spring. 3 credits. RB: (LCS 620 or LCS 621 or LCS 630 or LCS 631) Completion of semester 5 of the graduate-professional program in the College of Veterinary Medicine. Applied large animal clinical science in private practices. Supervised off-campus experience.

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  
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. 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. 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.
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 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.

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, Caesars, 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.

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

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. 4(4-0) P: (LTN 201) Not open to students with credit in LIN 200. Special topics supplementing regular course offerings proposed by faculty on a group study basis.

401  Introduction to Linguistics
Fall, Spring. 4(4-0) R: Open only 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. 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) R: (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. 3(3-0) P: (LIN 200 or LIN 401) Structure of sentences and structural relations among phrases. Methods of syntactic analysis and argumentation.