### American Thought and Language

#### Departments of American Thought and Language

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<td>Department of American Thought and Language</td>
<td>ATL</td>
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#### College of Arts and Letters

**American Thought and Language - Descriptions of Courses**

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<th>Course</th>
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<td>475.</td>
<td>International Studies in Agriculture and Natural Resources</td>
<td>Fall, Spring, Summer. As an internship on or off campus sites. 2 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Approval of college application required. Study-travel experiences emphasizing contemporary problems affecting agriculture and natural resources in the world, national, and local communities. Case studies and interviews with officials, community leaders, and leading professionals.</td>
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<tr>
<td>481.</td>
<td>Agricultural Research Systems in Developing Countries</td>
<td>Summer. 2(2-0) Interdepartmental with Agricultural Economics, Animal Science, and Crop and Soil Sciences. R: Open only to seniors and graduate students in the College of Agriculture and Natural Resources. Planning, organizing, and managing agricultural research systems. Problems and alternative reforms to improve research productivity. Adapting new agricultural technology in developing countries.</td>
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<tr>
<td>491.</td>
<td>Selected Topics</td>
<td>Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen and sophomores. Special topics in agriculture and natural resources.</td>
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<tr>
<td>492.</td>
<td>Professional Internship in Agriculture and Natural Resources</td>
<td>Fall, Spring, Summer. 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to juniors and seniors in the College of Agriculture and Natural Resources. Approval of department; application required. Supervised professional experiences in agencies and businesses related to a student's major field of study.</td>
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<td>881.</td>
<td>American Studies Theory, Methods, and Bibliography</td>
<td>Fall. 3(3-0) Methods and bibliographical sources of American Studies research. Interdisciplinary approaches to studying American culture.</td>
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<tr>
<td>890.</td>
<td>Independent Study</td>
<td>Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 18 credits in all enrollments for this course. R: Approval of college. Special projects, directed reading, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.</td>
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<tr>
<td>891.</td>
<td>Special Topics in American Studies</td>
<td>Fall, Spring, Summer. 4(4-0) A student may earn a maximum of 12 credits in all enrollments for this course. R: Approval of college. Special topics supplementing regular course offerings proposed by faculty for graduate students on a group study basis.</td>
</tr>
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</table>
125. Writing: The American Ethnic and Racial Experience
Fall, Spring, 4(4-0)
P: Designated score on English placement test or ATL 1004. R: Not open to students with credit in MC 110 or MC 112 or LBS 133 or ATL 110 or ALT 115 or ALT 120 or ALT 130 or ATL 135 or ALT 140 or ALT 145 or ALT 150 or ALT 195H or AL 192 or AL 192H.
Drafting, revising, and editing compositions derived from readings on the experience of American ethnic and racial groups to develop skills in narration, persuasion, analysis, and documentation.

130. Writing: American Radical Thought
Fall, Spring, 4(4-0)
P: Designated score on English placement test or ATL 1004. R: Not open to students with credit in MC 110 or MC 112 or LBS 133 or ALT 110 or ALT 115 or ALT 120 or ALT 125 or ALT 130 or ALT 140 or ALT 145 or ALT 150 or ALT 195H or AL 192 or AL 192H.
Drafting, revising, and editing compositions derived from readings on American radical thought to develop skills in narration, persuasion, analysis, and documentation.

290. Independent Study
Fall, Spring, Summer. 1 to 4 credits.
R: Open only to freshmen and sophomores. Approval of department.
Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

ANATOMY

Department of Anatomy
College of Human Medicine
College of Osteopathic Medicine
College of Veterinary Medicine

316. General Human Anatomy
Spring, 3(3-0)
P: BS 110 or BS 111 or approval of department. Human structure. Major systems of the human body.

480. Special Problems in Anatomy
Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 15 credits in all enrollments for this course.
R: Approval of department.
Topics from an anatomical field such as gross anatomy, histology, tissue culture, cytology, neurology, or embryology.

515. Comparative Veterinary Gross Anatomy
Fall, 6(2-10)
R: Open only to graduate-professional students in the College of Veterinary Medicine. Canine anatomy. Comparisons with ruminant, porcine and equine anatomy.

516. Veterinary Histology and Cell Biology
Fall, 4(3-2)
R: Open only to graduate-professional students in the College of Veterinary Medicine. Principles of developmental, cellular, and molecular biology as related to veterinary medicine.

517. Veterinary Neuroanatomy
Spring, 1(1-0)
R: Completion of 1 semester of the graduate-professional program in the College of Veterinary Medicine. Introduction to the anatomy of the nervous system using the canine species as a model.

551. Medical Gross Anatomy
Fall, 6(4-6)
R: Graduate professional students in colleges of Human and Osteopathic Medicine. Gross anatomy of the human body using projections, medical imaging, clinical correlations, case studies, video tapes, and computer aided instruction.

552. Medical Neuroscience
Spring, 4(2-3) Interdepartmental with Pharmacology and Toxicology, R: Graduate professional students in colleges of Human and Osteopathic Medicine. Correlation of normal structure and function of the human nervous system with clinical testing, classical lesions, and common diseases.

562. Medical Histology
Spring, 3(2-2)
R: Graduate professional students in colleges of Human and Osteopathic Medicine. Histology of the human body.

855. Human Gross Anatomy Dissection
Fall, Spring, Summer. 2 to 7 credits. A student may earn a maximum of 15 credits in all enrollments for this course.
R: ANT 581. R: Graduate-professional students in colleges of Human and Osteopathic Medicine. Dissection of selected regions of the human body.

860. Clinical Surgical Anatomy
Spring, 4(2-4) Interdepartmental with Surgery, R: Open only to graduate-professional students in the College of Veterinary Medicine. Approval of department. Veterinary gross anatomy, cell biology, histology, or neurobiology.

880. Clinical Surgical Anatomy
Spring, 4(2-4) Interdepartmental with Surgery. R: Open only to graduate-professional students in the College of Veterinary Medicine. Approval of department. Review of surgical anatomy. Detailed anatomical information through lecture and dissection sessions. Clinical interpretation of anatomy and surgical approaches.

913. Problems in Anatomy
Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 5 credits in all enrollments for this course.
R: Approval of department.
Fields such as gross anatomy, histology, tissue culture, cytology, neurology and embryology.

914. Graduate Seminar
Spring of even-numbered years. 1 to 3 credits. R: Open only to graduate students in Anatomy. Current topics in anatomy and physiology and processes of central nervous system cells.

939. Systems Neuroscience
Spring of odd-numbered years. 4(4-0) Interdepartmental with Pharmacology and Toxicology, R: Open only to graduate students in the Colleges of Human Medicine, Osteopathic Medicine, Agriculture and Natural Resources, Natural Science, and Veterinary Medicine. Anatomy, pharmacology, and physiology of multicellular neural systems. Sensory, motor, autonomic, and chemo-regulatory systems in vertebrate brains.

985. Vertebrate Neural Systems
Spring of odd-numbered years. 3(2-2) Interdepartmental with Physiology. Comparative analysis of major component systems of vertebrate brains. Evolution, ontogeny, structure, and function in fish, amphibians, reptiles, birds and mammals.