

475. International Studies in Agriculture and Natural Resources
 Fall, Spring, Summer. Given at various 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 experience 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.

481. Agricultural Research Systems in Developing Countries
 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.

489. Integrated Approaches to Agriculture and Natural Resources Problems (W)
 Fall, Spring. 3(2-2)
 P: MTH 110 or MTH 116; EC 201 or EC 202. R: Open only to seniors in the College of Agriculture and Natural Resources. Completion of Tier I writing requirement. Holistic solutions to resource management and allocation: an integrated, multidisciplinary team approach to case study problems.

491. Selected Topics
 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.

493. Professional Internship in Agriculture and Natural Resources
 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.

AMERICAN STUDIES AMS

College of Arts and Letters

332. Technology and Culture
 Fall. 4(4-0) Interdepartmental with Lyman Briggs School. Administered by Lyman Briggs School. R: Open only to juniors and seniors in American Studies and Lyman Briggs School, and to graduate students in American Studies. Completion of Tier I writing requirement. History of technology with special emphasis on the interaction of technical innovation and other elements of culture.

335. The Natural Environment: Perceptions and Practices
 Spring. 4(4-0) Interdepartmental with Lyman Briggs School. Administered by Lyman Briggs School. R: Not open to freshmen. Open only to students in American Studies and in Lyman Briggs School. Completion of Tier I writing requirement. American attitudes toward the natural environment and related public and private institutions.

338. Eighteenth-Century American Art
 Fall. 3 credits. Interdepartmental with History of Art. Administered by History of Art. R: Not open to freshmen. Artistic production in North America in the Colonial and early Republican cultural contexts. SA: HA 438

348. Nineteenth-Century American Art
 Spring. 3 credits. Interdepartmental with History of Art. Administered by History of Art. R: Not open to freshmen. Nineteenth-century artistic production in North America in its cultural context. SA: HA 448

358. Twentieth-Century American Art Through Midcentury
 Fall. 3 credits. Interdepartmental with History of Art. Administered by History of Art. R: Not open to freshmen. Twentieth-century artistic production in North America in its cultural context. SA: HA 458

441. American Genre Painting
 Fall, Spring. 3 credits. Interdepartmental with History of Art. Administered by History of Art. P: HA 438 or HA 448 or HA 458. Genre painting produced in the United States between 1790 and the early decades of the 20th century.

442. The Art of Winslow Homer
 Fall, Spring. 3 credits. Interdepartmental with History of Art. Administered by History of Art. P: HA 438 or HA 448 or HA 458. R: Not open to freshmen and sophomores. Detailed consideration of Homer's career and his work in a variety of media and genres in the context of a changing nation between 1860 and 1910.

491. Perspectives in American Studies
 Fall. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Not open to freshmen and sophomores. Methods and significant works in American Studies. Topics vary.

492. Seminar in American Studies
 Spring. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to majors in Arts and Letters, James Madison College, and Lyman Briggs School. Selected topics in American life emphasizing interdisciplinary approaches. Topics vary.

881. American Studies Theory, Methods, and Bibliography
 Fall. 3(3-0)
 Methods and bibliographical sources of American Studies research. Interdisciplinary approaches to studying American culture.

890. Independent Study
 Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 12 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.

891. Special Topics in American Studies
 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.

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. R: Approval of college. Directed research leading to a master's thesis in partial fulfillment of Plan A master's degree requirements.

999. Doctoral Dissertation Research
 Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 30 credits in all enrollments for this course. R: Approval of college.

AMERICAN THOUGHT AND LANGUAGE ATL

Department of American Thought and Language College of Arts and Letters

0102. Preparation for College Writing
 Fall, Spring. 0 credit. [1(0-2) See page A-2, item 3.] C: ATL 1004 concurrently. R: Designated score on English placement test. Practice in applying the principles of English grammar, syntax, and word usage to writing.

1004. Preparation for College Writing
 Fall, Spring. 3(3-0)
 C: ATL 0102 concurrently. R: Designated score on English placement test. Composing, revising, and editing. Active reading and pre-writing strategies. Style, mechanics, and usage. Organization and proofreading.

101. Library Resources
 Fall, Spring, Summer. 1(1-0)
 Use of libraries for researching college assignments and papers. Emphasis on bibliographic and reference tools.

110. Writing: Science and Technology
 Fall, Spring. 4(4-0)
 P: Designated score on English placement test or ATL 1004. R: Not open to students with credit in MC 111 or MC 112 or LBS 133 or AL 192 or AL 192H or ATL 110 or ATL 120 or ATL 125 or ATL 130 or ATL 135 or ATL 140 or ATL 145 or ATL 150 or ATL 195H or AL 192 or AL 192H. Drafting, revising, and editing compositions derived from readings on American science and technology to develop skills in narration, persuasion, analysis, and documentation.

115. Writing: Law and Justice in the United States
 Fall, Spring. 4(4-0)
 P: Designated score on English placement test or ATL 1004. R: Not open to students with credit in MC 111 or MC 112 or LBS 133 or AL 192 or AL 192H or ATL 110 or ATL 120 or ATL 125 or ATL 130 or ATL 135 or ATL 140 or ATL 145 or ATL 150 or ATL 195H. Drafting, revising, and editing compositions derived from readings on American law and justice to develop skills in narration, persuasion, analysis and documentation.

120. Writing: American Philosophy, Literature, and the Arts
 Fall, Spring. 4(4-0)
 P: Designated score on English placement test or ATL 1004. R: Not open to students with credit in MC 111 or MC 112 or LBS 133 or ATL 110 or ATL 115 or ATL 125 or ATL 130 or ATL 135 or ATL 140 or ATL 145 or ATL 150 or ATL 195H or AL 192 or AL 192H. Drafting, revising, and editing compositions derived from readings on American philosophy, literature, and the arts to develop skills in narration, persuasion, analysis, and documentation.