

Descriptions—Agricultural Technology and Systems Management of Courses

490. Independent Study

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. P: ATM 231 or ATM 240 or BCM 311. R: Open only to majors in Agricultural Technology and Systems Management. Approval of department; application required. Supervised individual student research and study in agricultural technology and systems management.

890. Special Problems

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. R: Approval of department. Individual study of selected topics.

899. Master's Thesis Research

Fall, Spring, Summer. 1 to 10 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to graduate students in Agricultural Technology and Systems Management.

999. Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to Ph.D. students in Agricultural Technology and Systems Management.

AGRICULTURE AND NATURAL RESOURCES ANR

College of Agriculture and Natural Resources

101. Preview of Science

Fall. 1(1-0) Interdepartmental with Natural Science; Engineering; and Social Science. Administered by Natural Science. R: Approval of College. Overview of natural sciences. Transitional problems. Communications and computer skills. Problem solving skills. Diversity and ethics problems in science. Science and society.

110. New Student Seminar: Issues and Ideas in Agriculture and Natural Resources

Fall. 2(1-2) R: Open only to freshmen or sophomores or juniors in the College of Agriculture and Natural Resources. Exploration of broad issues in agriculture and natural resources. Personal and professional development through discussion and interactive experiences.

192. Environmental Issues Seminar

Fall, Spring. 1(1-0) A student may earn a maximum of 4 credits in all enrollments for this course. Interdepartmental with Natural Science; Engineering; Social Science; and Communication Arts and Sciences. Administered by Natural Science. R: Open only to students in the College of Agriculture and Natural Resources or College of Engineering or College of Natural Science or College of Communication Arts and Sciences or College of Social Science. Approval of college. Environmental issues and problems explored from a variety of perspectives, including legal, scientific, historical, political, socio-economic, and technical points of view.

210. Foundations in Connected Learning

Spring. 3(2-2) R: Approval of college. Active, self-directed, and reflective learning associated with agriculture and natural resource issues, self and social development, and ethical choice making. Development of a learning plan and design of a learning portfolio. Individual and group presentations. Field trips required.

289. Civilizations, Food Crops and the Environment

Fall, Spring. 3(3-0) Interdepartmental with Crop and Soil Sciences. Role of the major food crops in the survival of civilizations and cultures from the past to the present, and the resulting environmental impacts. SA: TCC 289

310. Connected Learning Seminar I

Fall, Spring, Summer. 2(2-0) P: (ANR 210) Learner-directed critical analysis of contemporary issues in agriculture and natural resources. Communication of outcomes to professional community. Collaborative learning integrated with individual experiences.

311. Connected Learning Seminar II

Fall, Spring, Summer. 1(1-0) P: (ANR 310) Transition to a professional career through advanced analysis and presentation of contemporary issues in agriculture and natural resources.

392. Agriculture and Natural Resources Seminar

Spring. 1(2-0) R: Not open to freshmen and sophomores. Current agricultural, natural resources and environmental problems and solutions. Discussion leaders from various disciplines.

410. Connected Learning Application

Spring. 3(1-4) P: (ANR 311) Integration, synthesis, and analysis of structured experiences in agriculture and natural resources. Personal and interpersonal development, personal and professional integrity, communication competence, and critical and reflective thinking.

475. International Studies in Agriculture and Natural Resources

Fall, Spring, Summer. 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.

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.

490. Independent Study in Agriculture and Natural Resources

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to sophomores or juniors or seniors or graduate students in the College of Agriculture and Natural Resources. Supervised individual study in topics related to agriculture and natural resources.

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. A student may earn a maximum of 6 credits in the following courses: AEE 493, ANR 493, ANS 493, FW 493, PKG 493, PRM 493, PRR 493, and RD 493. Supervised professional experiences in agencies and businesses related to a student's major field of study.

AMERICAN STUDIES AMS

Department of American Studies College of Arts and Letters

250. American Art

Spring. 3(3-0) Interdepartmental with History of Art. Administered by History of Art. Major developments and themes in non-indigenous American art (painting, sculpture, architecture, material culture) from its colonial origins through the 20th century.

332. Technology and Culture

Fall. 4(4-0) Interdepartmental with Lyman Briggs School. Administered by Lyman Briggs School. P: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the American Studies major in Lyman Briggs School. 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. P: Completion of Tier I writing requirement. R: Open only to sophomores or juniors or seniors in the American Studies major or in Lyman Briggs School. American attitudes toward the natural environment and related public and private institutions.

451. American Art through 1875
Spring of even years. 3(3-0) Interdepartmental with History of Art. Administered by History of Art. P: (HA 250) or (HA 120 and HA 121) and Completion of Tier I writing requirement.
 Artistic production in North America from colonial times to 1875, in its cultural context.
 SA: HA 438, HA 348

453. American Art, 1875-1940
Fall of even years. 3(3-0) Interdepartmental with History of Art. Administered by History of Art. P: (HA 250) or (HA 120 and HA 121) and Completion of Tier I writing requirement.
 Artistic production in North America from 1875 to 1940, in its cultural context.
 SA: HA 458, HA 358

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 or 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 students in the College of Arts and Letters or James Madison College or Lyman Briggs School.
 Selected topics in American life emphasizing interdisciplinary approaches. Topics vary.

855. Seminar in American Art
Spring of odd years. 3(3-0) A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with History of Art. Administered by History of Art. R: Approval of department.
 Intensive investigation of a topic in the history of American art.

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. 3(3-0) 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.] P: Designated score on English placement test. C: ATL 1004 concurrently.
 Practice in applying the principles of English grammar, syntax, and word usage to writing.

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

110. Writing: Science and Technology
Fall, Spring. 4(4-0) P: (ATL 1004) or designated score on English placement test. 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, 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 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: (ATL 1004) or designated score on English placement test. 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, 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: (ATL 1004) or designated score on English placement test. 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 115, 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 philosophy, literature, and the arts to develop skills in narration, persuasion, analysis, and documentation.

125. Writing: The American Ethnic and Racial Experience
Fall, Spring. 4(4-0) P: (ATL 1004) or designated score on English placement test. 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 115, ATL 120 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 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: (ATL 1004) or designated score on English placement test. 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 115, ATL 120 or ATL 125 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 radical thought to develop skills in narration, persuasion, analysis, and documentation.

135. Writing: Public Life in America
Fall, Spring. 4(4-0) P: (ATL 1004) or designated score on English placement test. 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 115, ATL 120 or ATL 125 or ATL 130 or ATL 140 or ATL 145 or ATL 150 or ATL 195H.
 Drafting, revising, and editing compositions derived from readings on American civic tradition and community service-learning experiences to develop skills in narration, persuasion, analysis, and documentation.

140. Writing: Women in America
Fall, Spring. 4(4-0) P: (ATL 1004) or designated score on English placement test. 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 115, ATL 120 or ATL 125 or ATL 130 or ATL 135 or ATL 145 or ATL 150 or ATL 195H.
 Drafting, revising, and editing compositions derived from readings on women in America to develop skills in narration, persuasion, analysis, and documentation.

145. Writing: Men in America
Fall, Spring. 4(4-0) P: (ATL 1004) or designated score on English placement test. 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 115, ATL 120 or ATL 125 or ATL 130 or ATL 135 or ATL 140 or ATL 150 or ATL 195H.
 Drafting, revising, and editing compositions derived from readings on men in America to develop skills in narration, persuasion, analysis, and documentation.

150. Writing: The Evolution of American Thought
Fall, Spring. 4(4-0) P: (ATL 1004) or designated score on English placement test. 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 115, ATL 120 or ATL 125 or ATL 130 or ATL 135 or ATL 140 or ATL 145 or ATL 195H.
 Drafting, revising, and editing compositions derived from American historical, social, and cultural texts to develop skills in narration, persuasion, analysis, and documentation.