### AGRICULTURE AND NATURAL RESOURCES

#### College of Agriculture and Natural Resources

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tr>
<td>101A</td>
<td>Academic and Career Decision Making</td>
<td>1</td>
<td>Fall, Spring. Exploration of the career possibilities in agriculture, natural resources and related areas.</td>
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<td>110</td>
<td>New Student Seminar: Issues and Ideas in Agriculture and Natural Resources</td>
<td>1</td>
<td>Fall. Open only to freshmen or sophomores or juniors in the College of Agriculture and Natural Resources. Issues in agriculture and natural resources. Personal and professional development through discussion and interactive experiences.</td>
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<td>192</td>
<td>Environmental Issues Seminar</td>
<td>1</td>
<td>Fall, Spring. A student may earn a maximum of 4 credits in all enrollments for this course. Interdepartmental with Communication Arts and Sciences and Engineering and Natural Science and Social Science. R: 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.</td>
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<tr>
<td>202</td>
<td>Michigan's Agricultural and Natural Resources Heritage</td>
<td>2</td>
<td>Fall. Interdepartmental with ANR Education and Communication Systems. Offered by Agriculture and Natural Resources. R: Completion of Tier I writing requirement. Michigan’s history of agricultural and natural resources. Orientation to sources for research and learning. Self-directed study integrating agricultural and natural resources heritage to family, community and careers.</td>
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#### Environmental Issues Seminar

Fall, Spring. A student may earn a maximum of 4 credits in all enrollments for this course. Interdepartmental with Communication Arts and Sciences and Engineering and Natural Science and Social Science. R: 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.

#### Michigan's Agricultural and Natural Resources Heritage

Fall. Interdepartmental with ANR Education and Communication Systems. Offered by Agriculture and Natural Resources. R: Completion of Tier I writing requirement. Michigan’s history of agricultural and natural resources. Orientation to sources for research and learning. Self-directed study integrating agricultural and natural resources heritage to family, community and careers.

#### Pathways in Connected Learning

Fall, Spring. 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.

#### College of Agriculture and Natural Resources Seminar

Fall, Spring, Summer. 1 to 4 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. Contemporary problems affecting agriculture and natural resources in world, national and local communities. Case studies and interviews with officials, community leaders and leading professionals.

#### 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.

#### Global Issues 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: Not open to freshmen or sophomores. Special topics in agriculture and natural resources.

#### Applications in Environmental Studies

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 or sophomores. Special topics in agriculture and natural resources.

#### Connected Learning Seminar I

Fall, Spring, Summer. 3(3-0) P:M: ANR 210 Learner-directed, critical analysis of contemporary issues in agriculture and natural resources. Communication of outcomes to professional communities. Collaborative learning integrated with individual experiences.

#### Connected Learning Seminar II

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. P:M: ANR 310 Advanced analysis and presentation of contemporary issues in agriculture and natural resources.

#### Agriculture and Natural Resources Seminar

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

#### Connected Learning Transitions

Fall, Spring, Summer. 1 to 2 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. Contemporary problems affecting agriculture and natural resources in world, national and local communities. Case studies and interviews with officials, community leaders and leading professionals.

#### International Studies 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.

#### 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. A student may earn a maximum of 6 credits in all enrollments for any or all of these courses: ABM 493, ANR 493, ANS 493, CSS 493, EEP 493, FIM 493, FW 493, HRT 493, PGG 493, PLP 493, PRR 493, and RD 493. R: Open only to juniors or 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.

#### Proseminar in Food and Agricultural Standards

Fall, Spring, Summer. 3(3-0) Interdepartmental with Social Science. Administered by Social Science. Interdisciplinary theoretical and applied perspectives on societal roles and implications of standards in food and agriculture.

#### Food Safety Seminar Series

Fall, Spring. 1-3(1-0) Interdepartmental with Natural Science and Social Science and Veterinary Medicine. Administered by Veterinary Medicine. R: Enrollment in graduate program in related discipline. Selected current topics covering the broad areas of food safety as they relate to production, processing, transport, microbiology, toxicology, and social and human dimensions.

#### Problems in Food Safety

Fall. 1-3(1-0) Interdepartmental with Natural Science and Social Science and Veterinary Medicine. Administered by Veterinary Medicine. R: Enrollment in graduate program in related discipline. In-depth discussion of selected problems in food safety.

#### Food and Agricultural Standards Seminar

Fall, Spring, Summer. 3(3-0) Interdepartmental with Social Science. Administered by Social Science. P:M: SSC 620 Integration of multidisciplinary perspectives on Food and Agricultural Standards.