<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
<th>Credits</th>
<th>Prerequisites/Restrictions</th>
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<tr>
<td>101A</td>
<td>Academic and Career Decision Making</td>
<td>Fall. 1 credit. Interdepartmental with Engineering and Natural Science. R: Approval of college. Exploration of the career possibilities in agriculture, natural resources and related areas.</td>
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<tr>
<td>110</td>
<td>New Student Seminar: Issues and Ideas in Agriculture and Natural Resources</td>
<td>Fall. 1(0-2) R: 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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<tr>
<td>192</td>
<td>Environmental Issues Seminar</td>
<td>Fall, Spring. 1 credit. 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. Administered by Natural Science. R: Open only to students in the College of Agriculture and Natural Resources 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.</td>
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<tr>
<td>202</td>
<td>Michigan's Agricultural and Natural Resources Heritage</td>
<td>Fall. 2(2-0) Interdepartmental with ANR Education and Communication Systems. Administered by Agriculture and Natural Resources. P.M: Completion of Tier I writing requirement. Michigan's history, agriculture 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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<td>210</td>
<td>Pathways in Connected Learning</td>
<td>Fall, 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.</td>
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<td>250</td>
<td>Global Issues in Agriculture and Natural Resources</td>
<td>Fall. 3(3-0) Interdepartmental with Community, Agriculture, Recreation and Resource Studies. Administered by Agriculture and Natural Resources. P.M: Completion of Tier I writing requirement. SA: AEE 301 Globalization. Economic, political, and social issues related to natural resources and agricultural production. Historical perspectives and future projections.</td>
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<tr>
<td>292</td>
<td>Applications in Environmental Studies</td>
<td>Fall. 2(1-2) Interdepartmental with Communication Arts and Sciences and Engineering and Natural Science and Social Science. Administered by Natural Science. P.M: NSC 192 R: Open only to students in the Specialization in Environmental Studies. Community engagement project. Projects vary depending on student's major and area of environmental interest.</td>
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<td>310</td>
<td>Connected Learning Seminar I</td>
<td>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.</td>
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<td>311</td>
<td>Connected Learning Seminar II</td>
<td>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.</td>
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<td>392</td>
<td>Agriculture and Natural Resources Seminar</td>
<td>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.</td>
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<td>401</td>
<td>Connected Learning Transitions</td>
<td>Fall, Spring. 3(3-0) P.M: ANR 310 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.</td>
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<td>475</td>
<td>International Studies in Agriculture and Natural Resources</td>
<td>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. Contemporary problems affecting agriculture and natural resources in world, national and local communities. Case studies and interviews with officials, community leaders and leading professionals.</td>
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<td>490</td>
<td>Independent Study in Agriculture and Natural Resources</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: 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.</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 or sophomores. Special topics in agriculture and natural resources.</td>
<td>1 to 4</td>
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<td>493</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. A student may earn a maximum of 6 credits in all enrollments for any or all of these courses: AEB 493, AEE 493, ANR 493, ANS 493, CSS 493, EEP 493, FIM 493, FW 493, HRT 493, PKG 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.</td>
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<td>810</td>
<td>International Food Laws and Regulations</td>
<td>Fall, Spring, Summer. 3(3-0) RB: Food science, law, food safety or related disciplines. Survey of food laws of various countries and regions.</td>
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<td>811</td>
<td>U.S. Food Laws and Regulations</td>
<td>Fall, Spring, Summer. 3(3-0) RB: (ANR 810) or food science, law or food safety. Not open to students with credit in FSC 421. Food laws and regulations of the United States.</td>
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<td>820</td>
<td>Proseminar in Food and Agricultural Standards</td>
<td>Fall. 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.</td>
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<td>828</td>
<td>Food Safety Seminar Series</td>
<td>Fall, Spring. 1(1-0) Interdepartmental with Natural Science and Social Science and Veterinary Medicine. Administered by Veterinary Medicine. RB: 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.</td>
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<td>829</td>
<td>Problems in Food Safety</td>
<td>Fall. 1(1-0) Interdepartmental with Natural Science and Social Science and Veterinary Medicine. Administered by Veterinary Medicine. RB: Enrollment in graduate program in related discipline In-depth discussion of selected problems in food safety.</td>
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<td>880</td>
<td>Leadership and the Policy Process in Agriculture and Natural Resources</td>
<td>Fall, Spring. 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. RB: Demonstrated leadership in ANR R: Approval of department. Theory and practice of leadership and engagement in the policy process. Current issues facing agriculture, natural resources, manufacturing, and the environment in Michigan.</td>
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Agriculture and Natural Resources—ANR

886  Teaching and Learning in Applied Sciences
     Fall of odd years. 3(2-2)
Applications of pedagogical techniques to applied sciences through discussions, presentations, and activities.

891  Food and Agricultural Standards Seminar
     Spring. 3(3-0) Interdepartmental with Social Science. Administered by Social Science. P:M: SSC 820
Integration of multidisciplinary perspectives on Food and Agricultural Standards.