RESOURCE DEVELOPMENT RD

Department of Resource Development

College of Agriculture and Natural Resources

201. Environmental and Natural Resources
Fall, Spring. 3(3-0)
Physical, economic, and institutional aspects of natural resource and environmental policy. US doctrines for land, water, mineral, and environmental resource management.

207. Great Lakes Biology and Management
Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Fisheries and Wildlife.
Living aquatic resources of the Great Lakes: environmental history, biological resources and their management. Policy issues.

310. Environmental Communication
Fall, Spring. 3(3-0) Interdepartmental with Agricultural and Extension Education.
P: RD 201, ZOL 250. R: Not open to freshmen and sophomores.
Environmental risk communications. Conflict resolution. Mitigation and public forum management.

320. Resource Management and Planning
Fall, Spring. 3(3-0)
P: RD 201; ZOL 250. R: Not open to freshmen and sophomores.

324. Water Resource Development
Spring. 3(3-0)
P: RD 320, GEO 106. R: Not open to freshmen.
Interface between the hydrologic cycle and human factors, and resulting environmental consequences. Economic, administrative, policy, and political factors.

326. Introduction to Waste Management
Fall. 3(3-0) Interdepartmental with Fisheries and Wildlife.
P: RD 201, RD 320. R: Not open to freshmen.
Waste management definitions, techniques, technologies, and strategies. Integrative approach to waste management as an environmental, social, and political subject.

329. State Environmental Law
Fall. 3(3-0)
P: RD 201, RD 320. R: Not open to freshmen and sophomores.

345. Introduction to Impact Assessment
Fall. 4(0-2)
P: STT 200, ZOL 250. R: Open only to seniors and graduate students.
Environmental, social, and economic impact assessment. Risk analysis, technology assessment, project management, and data collection and use.

426. Waste Management Planning
Fall. 3(3-2)
P: RD 201, RD 326. R: Not open to freshmen and sophomores.
Assessment of procedures and techniques. Alternative solutions are explored through simulation. Technological and public policy issues explored by using a computer model. Design of implementation strategies.

430. Law and Resources
Fall. 3(3-0) Interdepartmental with Public Resource Management and Forestry.
P: RD 201 or ZOL 395. R: Not open to freshmen and sophomores.
Legal principles applied to natural resource use. Sovereignty, property rights, land and water use, jurisdiction, public trust doctrine, fish and game law, mineral rights, and eminent domain. Case and statutory law analysis.

433. Law and Social Change
Spring. 3(3-0) Interdepartmental with Sociology and Public Resource Management.
P: GBL 385. R: Not open to freshmen.
Function of law in modern society. Concepts of power, public regulation, civil rights, and property rights. Limits on freedom.

440. The Resource Development Policy Process in Michigan
Spring. 3(3-0) Interdepartmental with Public Resource Management.
P: RD 201; FRM 201 or PLS 101 or PLS 201 or PLS 301. R: Not open to freshmen and sophomores.
Public policy formation related to environmental and economic development issues at state and community levels. Observation and analysis of actual proceedings. Field trips required.

446. Environmental Issues and Public Policy
Spring. 3(3-0) Interdepartmental with Zoology, Administration of Zoology.
P: Not open to freshmen and sophomores.
The interrelationship of science and public policy in resolving environmental issues. Technical, social, economic, and legal influences. Case study approach.

461. Regional Economics
Fall. 4(3-0) Interdepartmental with Public Resource Management, Park and Recreation Resources, and Agricultural Engineering.
P: RD 201, EC 201. R: Not open to freshmen and sophomores.

464. Natural Resource Economics and Social Sciences
Fall. 3(2-2) Interdepartmental with Public Resource Management and Economics.
P: RD 201 or RD 460. R: Not open to freshmen and sophomores.
Location decisions of firms and households. Relevant government policies, applications of regional analysis to industrial, regional, and community development.

466. Ecological Risk Assessment
Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Forestry.
P: RD 201 or RD 460. R: Not open to freshmen and sophomores.

469. Forest Hydrology
Spring of odd-numbered years. 3(3-2) Interdepartmental with Forestry, and Crop and Soil Sciences. Administered by Forestry.
P: CSS 210; MTH 116; CPS 160 or CPS 190 or CPS 131. R: Not open to freshmen and sophomores.
Science and technology of the hydrologic cycle and water resources in forest, wetland, wetland, and rural watersheds.

472. Environmental Sociology
Spring of odd-numbered years. 3(3-0) Interdepartmental with Sociology.
P: RD 201, EC 201, or GBL 395. R: Open only to seniors and graduate students.
Concepts and techniques for resource development practitioners.

474. Urban Environmental Issues
Fall. 3(3-0) Interdepartmental with Public Resource Management, Park and Recreation Resources, and Agricultural Engineering.
P: RD 301 or RD 460. R: Not open to freshmen and sophomores.
Conceptualization of urban environments as social-ecological systems. Environmental issues within different scales of urban environments. Policy development.
### Resource Development — Descriptions of Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Code</th>
<th>Term</th>
<th>Degree Description of Course</th>
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<tbody>
<tr>
<td><strong>Watershed Management</strong></td>
<td>304</td>
<td>Spring</td>
<td>Dynamics of physical, social, economic, political and institutional forces applied to watershed planning and management.</td>
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<tr>
<td><strong>International Development and Sustainability</strong></td>
<td>304</td>
<td>Spring</td>
<td>Spring of odd-numbered years. Interdepartmental with Anthropology and Political Science. Environmental, economic, political, legal, management, and cultural components of sustainable development.</td>
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<tr>
<td><strong>Natural Resources Management in Latin America</strong></td>
<td>304</td>
<td>Fall</td>
<td>Fall of even-numbered years. Physical, environmental, political and social aspects of natural resource management. Case studies.</td>
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<tr>
<td><strong>Comparative Resource and Environmental Policy</strong></td>
<td>304</td>
<td>Spring</td>
<td>Spring of odd-numbered years. Interdepartmental with Forestry, Agricultural Economics, and Economics. Comparison of various natural resource and environmental policies. Role of market and non-market approaches. Role of private and public land, water, and air resources. The role of law and policy in resource management.</td>
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<tr>
<td><strong>Economics of Renewable Resources</strong></td>
<td>304</td>
<td>Spring</td>
<td>Spring of odd-numbered years. Interdepartmental with Forestry, Agricultural Economics, and Economics. Analysis of economic, environmental, and social impacts of renewable energy resources.</td>
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<tr>
<td><strong>Role of the Expert Witness</strong></td>
<td>304</td>
<td>Spring</td>
<td>Spring of even-numbered years. Rules of procedure regarding pretrial discovery and the rules of evidence including deposition. Use of tests and experiments. Issues involving hearsay.</td>
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<tr>
<td><strong>Environmental and Natural Resource Law</strong></td>
<td>304</td>
<td>Spring</td>
<td>Spring of odd-numbered years. Interdepartmental with Agricultural Economics, Forestry, Agricultural Economics, and Geography.</td>
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