

## Environmental Policy, Economics, Human Dimensions, and/or Institutional Analysis

Course Title	Credits	Last Offered	Emphasis Area	Description
*AGEC 406/FNR 406 Natural Resources and Environ. Economics	3	F18	Economics	Introduction to economic models of renewable and nonrenewable natural resources and the use of these models in the analysis of current resource use and environmental issues.
AGEC 525 Environmental Policy Analysis	3	F18	Institutional Analysis	Designed to assist in understanding how environmental information and knowledge are produced, disseminated, and utilized in a variety of institutional contexts. Readings are selected to promote discussion and interaction concerning alternative mechanisms for protecting environmental resources. Prerequisite: introductory microeconomics course suggested.
AGEC 528 Global Change And The Challenge Of Sustainably Feeding A Growing Planet	3	S19		This course investigates the major drivers of global agricultural and environmental change associated with the global farm and food system. This includes demography, income growth, biofuels, climate change, environmental and ecosystem services, livestock consumption, food waste and land use change.
AGEC 602 Preparation and Procedures for Policy Analysis	3	S19	Methods	Research methods, scientific methodology, problem identification, and the nature of policy problems including economic policy readings, case studies, and practice project proposals.
AGEC 608 Benefit Cost Analysis	2	S19	Policy/ Economics	

<p>AGEC 640 Agriculture Policy</p>	<p>3</p>	<p>F18</p>	<p>Policy/ Economics</p>	<p>Policy analysis for agriculture in the world economy. Emphasis on application of economic theory to analyze commodity programs, international trade, environmental concerns, and investment in human capital and agricultural research. Prerequisite: AGECE 4100</p>
<p>ANTH 620 Political Ecology</p>	<p>3</p>	<p>S19</p>		<p>This graduate-level seminar introduces students to the foundations, current practice of, and diverse applications of a political ecology framework. Political ecology is an integrative framework that addresses human-environment relations across multiple scales. As local to global environmental change increasingly challenges researchers to work within interdisciplinary settings and with different sectors, this course also demonstrates how political ecology approaches provide pathways to forge these collaborations. No prerequisites required.</p>

<p>*FNR 375 Human Dimensions of Natural Resources Management</p>	<p>3</p>	<p>S19</p>	<p>Human Dimension</p>	<p>An introduction to the human dimensions of forestry, wildlife, and recreation; students will learn how values, attitudes, community, and behavior relate to natural resource management and decision-making; various natural resource management stakeholders such as private landowners, natural resource agencies, the judiciary, and environmental and natural resource interest groups will be discussed; course will utilize case studies specific to Indiana and the Midwest; course includes weekly discussions during recitations.</p>
<p>*FNR 407 Forest Economics</p>	<p>3</p>	<p>S19</p>	<p>Economics</p>	<p>Application of capital and financial theory to timber management, including optimal stocking, rotation length, and regulation. Necessary and sufficient conditions for renewability at micro- and macroeconomic levels. Price determination in timber and wood products markets.</p>
<p>FNR 598 Climate Policy: From Global to Local</p>	<p>3</p>	<p>F18</p>		

*ME 492 Technology and Values	3	S18	Human Dimension	The impact of science and technology on personal and societal value systems. The special responsibility of engineers. Practical methods for using human values to guide future technological developments. Societal problems considered: warfare, energy, overpopulation, resource depletion, and environmental degradation. Interdisciplinary approaches stressed. Offered in alternate years.
*POL 423 International Environmental Policy	3	S18	Policy	Environmental policy development in the international arena, with attention to international law, international organizations, and transboundary environmental problems.
POL 520 Policy Analysis and Climate Change	3	F18		
POL 523 Environmental politics and Public Policy	3	F16	Policy	The political problems of natural resource use and environmental quality. Theoretical foundations for environmental policy and its evaluation, the political context of environmental policy, principles of administering environmental policies, and the significance of international law and institutions for environmental policies.

POL 620 Proseminar in Public Policy and Processes	3	F18	Policy	An introduction to public policy and processes as a field of graduate study with an emphasis on the literature. Typically offered Fall Spring.
POL 623 Research Seminar in Environmental Policy	3	S18	Policy	Investigation in depth of a substantive aspect of environmental policy or a theoretical approach to environmental policy, with emphasis on student research.
POL 693 Introduction to Modeling Social-Ecological, Socio-Technical, and Socio-Hydrological Systems	3	F18		This course introduces basic concepts and quantitative tools for modeling socialecological systems (also called coupled natural and human systems) and sociotechnical systems.

\* Students can have up to 6 credits of 300-400 level courses applied to their plan of study.