

## Course Information

### Description of Courses Included in the STEPPS Curriculum

#### **ANR 250: Global Issues and Natural Resources**

Fall. 3(3-0) Interdepartmental with Community, Agriculture, Recreation and Resource Studies. 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.

#### **EC 310: Economics of Developing Countries**

Spring. 3(3-0) P:M: (EC 201 or EC 251H)  
Overview of economic patterns and policy issues of developing countries such as modern economic growth and structural transformation, state controls vs. markets, poverty and human welfare, investments in human resources, and trade and industrialization.

#### **ENG 483: Literature and Medicine**

Spring. 3(3-0) Interdepartmental with Lyman Briggs School. P:M: Completion of Tier I writing requirement. R: Not open to freshmen or sophomores.  
Human dimensions of medicine as seen in literature. Health, illness, mortality. Medical dilemmas. Physical and psychological self. Psychological theories used in interpreting literature.

#### **EEP 320: Environmental Economics**

Spring. 3(3-0) P:M: (EEP 255) SA: PRM 320  
Analytical methods for evaluating economic impacts of environmental policies and understanding the economic causes of environmental problems.

#### **EEP 430: Law and Resources**

Fall. 3(3-0) Interdepartmental with Resource Development; Forestry. Administered by Department of Community, Agriculture, Recreation and Resource Studies. R: Open only to juniors or seniors or graduate students. SA: PRM 430  
Legal principles applied to the environment and natural resources. Sovereignty, property rights, land and water use, jurisdiction, public trust doctrine, wetland law, and eminent domain. Case and statutory law analysis.

#### **EEP 433: Law and Social Change**

Spring. 3(3-0) Interdepartmental with Resource Development; Sociology. Administered by Department of Community, Agriculture, Recreation and Resource Studies. RB: (RD 301 or RD 336 or GBL 395) R: Open only to juniors or seniors. SA: PRM 433  
Function of law in a modern society. Concepts of power, public regulation, civil rights, and property rights. Limits on freedom.

#### **EEP 440: Environmental Policy Making in Michigan**

Spring. 3(3-0) Interdepartmental with Resource Development. Administered by Department of Community, Agriculture, Recreation and Resource Studies. RB: (RD 200 or EEP 201 or PLS 100 or PLS 301 or PLS 324) SA: PRM 440  
State legislative process and its role in environmental policy formulation. Influence of lobbying, grass roots environmental movements, and economic factors.

**EPI 390: Disease in Society: Introduction to Epidemiology and Public Health**

Spring. 4 (4-0)

Human epidemiology and population health issues facing contemporary society. Developed and less-developed settings. Health-related information in the mass media and scholarly publications.

**FIM 400: Public Policy Issues in the Agri-Food System**

Spring. 3(3-0) Interdepartmental with Agribusiness Management. Administered by Department of Agricultural Economics. P:M: (ABM 100) R: Open only to juniors or seniors. SA: FSM 421

Objectives, alternatives and consequences of public policy in the agri-food system. Analysis of economic implications for food and agribusiness firms, farmers, consumers and society.

**FIM 427: Global Agri-Food Industries and Markets**

Fall. 3(3-0) Interdepartmental with Agribusiness Management. Administered by Department of Agricultural Economics. P:M: (FIM 220 or ABM 225)

Strategic understanding of the international agri-food system. Analysis of global production, marketing and consumption. Knowledge of changing conditions in international industries and markets. Global trends and opportunities.

**FOR 330: Social Applications in Forestry**

Spring. 2(2-0) P:M: (ISS 210 or ISS 215 or ISS 220 or ISS 225)

Social factors underlying forest resource management issues. Public values, attitudes, knowledge, and behavior, with respect to forests. Public participation, conflict resolution, and communicating forestry issues.

**FOR 464: Forest Resource Economics**

Fall. 3(2-2) P:M: (EC 201 or EC 202) and completion of Tier I writing requirement. R: Not open to freshmen or sophomores.

Basic economic principles that govern human use and production of forest resources. Application of financial and economic analysis techniques to forest resource allocation.

**FOR 466: Natural Resources Policy**

Spring. 3(3-0)

Natural resources policy-making in the context of scientific, environmental, social, and legal-institutional factors. Historical evolution of policies and case studies of contemporary policy issues.

**FSC 421: Food Laws and Regulation**

Spring. 3(3-0)

Adoption, interpretation, and enforcement of laws and regulations governing food processing and foodservice systems. Impact of regulation on food production, availability, marketing, and safety.

**FW 211: Introduction to Gender and Environmental Issues**

Spring. 3(3-0)

The concept of gender. Overview of environment and habitat. Historical gender roles in environmental management. Gender-based theoretical perspectives. Case studies on developing

and developed countries. Environmental management with emphasis on fisheries, wildlife and wetlands. Women environmental professionals.

**FW 480: International Studies in Fisheries and Wildlife**

Summer. Variable credit from 3 to 6

Fisheries and wildlife ecology and management study in regions beyond the United States. Ecological, economic, social, and cultural influences on fisheries and wildlife resources.

**FW 481: Global Issues in Fisheries and Wildlife**

**Spring. 3 (3-0)**

Global issues and their impacts on implications for the management of fisheries and wildlife resources.

**FW 493: Professional Internship in Fisheries and Wildlife**

Fall, Spring, and Summer. Variable from 1 to 3

Supervised professional experiences in agencies and businesses related to fisheries and wildlife professions.

**GBL 395: Law, Public Policy, and Business**

Fall, Spring, Summer. 3(3-0)

Structure of the legal system. Legal environment of business: constitutional law, torts, contracts, and product liability. Administrative law and government regulation of business.

**HST 425: American and European Health Care Since 1800**

Spring. 4(4-0) Interdepartmental with Lyman Briggs School. P:M: Completion of Tier I writing requirement. R: Not open to freshmen.

Social and cultural transformation in health care delivery since 1800, primarily in North America and Western Europe. Therapeutic revolutions. Medical education and professionalization. Social and alternative medicine. Managed care.

**JRN 412: Environmental Reporting**

Spring. 3(2-2) P:M: (JRN 200 and JRN 300) RB: Sciences courses recommended.

Writing on environmental issues. Overview of the history of environmental journalism.

Discussions of reporting and writing techniques. Critiques of articles written by students.

**LBS 332: Technology and Culture**

Fall. 4 (4-0)

History of technology with special emphasis on the interaction of technical innovation and other elements of culture.

**LBS 333: Topics in History of Science**

Fall. 4 (4-0)

Various themes or periods in physical/biological science. May emphasize patterns of theory development, changes in explanatory aims and standards or interaction of social and cultural factors with scientific ideas, practices, instrumentation or experimentalism.

**LBS 334: Science, Technology, and Public Policy**

Spring. 4(4-0)

Science and technology in public policy formation considered from the perspectives of the

history, philosophy, and sociology of science and technology.

**LBS 335: Natural Environment Perception and Practices**

Spring. 4(4-0)

American attitudes toward the natural environment and related public and private institutions.

**LBS 336: Gender, Science and Technology**

Fall. 4 (4-0)

Impacts of gender on the development of sciences and technologies; feminist critiques of science and technology; barriers to women's participation in science and technology; scientific constructions of sex, gender, and sexuality.

**LBS 355: Philosophy of Technology**

Spring. 4 (4-0)

Examination of the desirability of technology, its social forms, and its alternatives. Conventional productivist, ecological progressive, and radical humanist outlooks.

**LBS 368: Science, Technology and Society**

Fall. 3 (3-0)

Role of science and technology in social change. Values and ethics in contemporary perspectives, controversies, and cases. Science and technology as forms of knowledge.

**LBS 425: American and European Healthcare Since 1800**

Spring. 3 (3-0)

Social and cultural transformation in health care delivery since 1800, primarily in North America and western Europe. Therapeutic revolutions. Medical education and professionalization. Social and alternative medicine. Managed care.

**LBS 483: Literature and Medicine**

Spring. 3 (3-0)

Human dimensions of medicine as seen in literature. Health, illness, mortality. Medical dilemmas. Physical and psychological self. Psychological theories used in interpreting literature.

**LBS 492: Senior Seminar**

Fall and Spring. 4 (4-0)

Selected problems in the study of science and technology as human activities, using philosophical, historical, literary, social science or interdisciplinary perspectives or methods. Development and defense of thesis paper.

**LBS 493: Field Experience**

Fall and Spring. Variable from 1 to 10

Experiential learning related to the public or private practice of science and technology.

**MC 324D: Regional Politics, Cooperation, and Conflict in Asia**

Fall of odd years. 4 (3-0)

Sources and consequences of conflict and cooperation in Asia. Conflict and cooperation among states of the region. Government policies to promote security, democracy, and growth.

**MC 348: Educational Policy**

Spring. 4(3-0)

Examination of alternative policies to improve K-12 educational outcomes, including school finance, educational standards, teacher professional development, and school choice.

**MC 350: Evolution and Society**

Spring. 4 (3-0)

The reciprocal relationship between evolutionary science and American culture. Social, political, and economic influences that shape biological scientists' descriptions of evolutionary change, and their claims about evolutionary influence on cultures.

**MC 351: Science and Social Prejudice**

Fall 4 (3-0)

Role that scientific research on group differences plays in creating and maintaining social stereotypes and policy. Practical implications of scientific research, sources of bias among scientific investigators, and the role of scientists in creating and changing stereotypes and in attacking social prejudice.

**MC 361: Political Economy and Comparative Public Policymaking**

Spring of odd years. 4(3-0)

Use of political economy approaches to explain public policies and policymaking processes in comparative perspective.

**MC 363: Global Governance**

Spring of odd years. 4 (3-0)

Impact of international institutions on social, political, and economic change in the international system. Evolution and devolution of global governance in international trade and finance, the environment, and military security.

**MC 364: Policy Evaluation**

Spring. 4 (3-0)

Economic concepts and analytic techniques for the design and evaluation of public policies. Political environment of policy formation and implementation. Basic data analysis. Application of concepts and techniques to selected government policies.

**MC 380: Social Policy**

Fall. 4 (3-0)

Application of social theory and methods to analysis of contemporary U.S. social policy. Competing explanations, current debates. Civil rights, education, employment, family, immigration, poverty, social welfare.

**MC 400: Field Experience**

Fall, Spring, and Summer. Variable from 5 to 9

Practical internship experience with a public, private, or non-profit organization engaged in making, influencing, implementing, or analyzing policy relevant to college program.

**MC 401: Field Experience Analysis and Interpretation**

Fall, Spring, and Summer. 3 (0-0)

Analysis and interpretation of field experience, sponsoring organization, or related policy issues

under faculty direction.

**MC 448: Ecology, Law and Economics (same as NSC 448)**

Spring. 3 (3-0)

Review and integrate principles of ecology, fundamentals of law, and principles of economics into a conceptual model that describes interrelations among the natural system, the economy, and the state. Analyze and assess the legal-economic natural resource and environmental policies in the context of the integrated model. Relate the ecology-law-economics model to emerging paradigms of sustainable development, ecological economics, industrial ecology, and the Natural Step.

**MC 450: International Environmental Policy**

Spring. 4 (3-0)

Description not yet available.

**NSC 448: Ecology, Law, and Economics (Same as MC 448)**

Spring. 3(3-0). Interdepartmental with James Madison College. P:M: (EC 201)

Review and integrate principles of ecology, fundamentals of law, and principles of economics into a conceptual model that describes interrelations among the natural system, the economy, and the state. Analyze and assess the legal-economic natural resource and environmental policies in the context of the integrated model. Relate the ecology-law-economics model to emerging paradigms of sustainable development, ecological economics, industrial ecology, and the Natural Step.

**NUR 401: Aging and Health in the United States**

Spring. 3(3-0)

Aging and health in the United States from an individual, family and societal perspective. Examination of selected normal aging changes, theories, concepts, myths and factors associated with healthy aging and quality of life.

**PHL 344: Ethical Issues in Healthcare**

Fall. 4 (4-0)

Termination of treatment, truth-telling, informed consent, human experimentation, reproductive issues, allocation of scarce resources, justice and the health care system.

**PHL 380: Nature of Science**

Fall. 3(3-0)

Conflicting views about science and values. Such topics as scientific methodology; the objectivity and value neutrality of science; the presuppositions, goals, and limits of science; and science and decision making.

**PHL 484: Philosophy of Biological Science**

Spring. 3 (3-0)

Philosophical and methodological issues in biology. Topics such as functional explanation, classification, the structure of evolutionary theory, reductionism, observation and measurement, or value-neutrality.

**PRR 302: Environmental Attitudes and Concepts**

Fall. 3(3-0) RB: One ISS course or one PSY course or one SOC course. R: Not open to

freshmen.

History of attitudes and values associated with the environment, wilderness, environmentalism, environmental quality, conservation, and preservation. Perceptions and assessment of modern environmental problems.

**PRR 371: Management of Park and Recreation Agencies and Organizations**

Spring. 3(3-0) P:M: (PRR 213 and PRR 215) R: Not open to freshmen or sophomores.

Management concepts and methods. Budgeting, service marketing, and strategic planning in park, recreation and tourism organizations.

**PRR 388: Physical Resource Management in Parks, Recreation and Tourism**

Fall. 3(2-2) P:M: (PRR 213 and PRR 215) RB: (PRR 293) R: Open only to sophomores or juniors or Srs.

Relationships among natural resources, the environment, recreational use and site design and development. Principles to safeguard, maintain and restore recreation environments.

**RD 460: Natural Resource Economics**

Spring. 3(3-0) Interdepartmental with Resource Development; Environmental Economics and Policy; Park, Recreation, and Tourism Resources. Administered by Department of Community, Agriculture, Recreation and Resource Studies. P:M: (EC 201) and (RD 302 or EEP 255)

Economic framework for analyzing natural resource management decisions. Spatial and inter-temporal allocation of renewable and nonrenewable resources. Special emphasis on institutions, externalities, and public interests in resource management.

**SOC 452: Environment and Society**

Fall. 3(3-0) P:M: Completion of Tier I writing requirement. C: SOC 452L concurrently.

Environmental conditions and social organization. Relation to resources, pollution, energy, and risks. Growth and limits to growth. Environmental attitudes, actions, movements and regulation.