

RESOURCE DEVELOPMENT

RD

Department of Community, Agriculture, Recreation and Resource Studies College of Agriculture and Natural Resources

466 Natural Resource Policy

Spring. 3(3-0) Interdepartmental with Forestry and Fisheries and Wildlife and Park, Recreation and Tourism Resources. Administered by Forestry. R: Not open to freshmen or sophomores.

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.

810 Institutional and Behavioral Economics

Fall. 3(3-0) Interdepartmental with Agricultural Economics and Economics. Administered by Agricultural Economics.

Relationships among institutions, individual and collective actions, and economic performance. Public choice, property rights, and behavioral theories of firms and bureaucracies.

852 Systems Modeling and Simulation

Fall of even years. 3(3-0) Interdepartmental with Biosystems Engineering and Forestry and Fisheries and Wildlife. Administered by Fisheries and Wildlife. RB: STT 422 or STT 442 or STT 464 or GEO 463

General systems theory and concepts. Modeling and simulation methods. Applications of systems approach and techniques to natural resource management, and to ecological and agricultural research.

853 Applied Systems Modeling and Simulation for Natural Resource Management

Spring of odd years. 3(2-2) Interdepartmental with Biosystems Engineering and Forestry and Fisheries and Wildlife and Zoology. Administered by Fisheries and Wildlife. RB: (FW 820 or BE 486 or ZOL 851) or or approval of department. R: Open only to seniors and graduate students

Mathematical models for evaluating resource management strategies. Stochastic and deterministic simulation for optimization. System control structures. Team modelling approach.

859 Gender, Justice, and Environmental Change: Methods and Application

Spring of even years. 3(3-0) Interdepartmental with Anthropology and Forestry and Fisheries and Wildlife and Geography and Sociology. Administered by Anthropology. RB: Background in social science, environmental science, or natural resources.

Methods and case studies related to gender, ecology, and environmental studies. Methodological and fieldwork issues from a feminist perspective in international and intercultural contexts. Qualitative and quantitative methods for integrating social and environmental data.

866 Economics of Renewable Resources

Spring of odd years. 3(2-2) Interdepartmental with Forestry. Administered by Forestry. RB: AEC 829 or EC 803 or EC 805

Applications of economic theory and analysis to renewable natural resources problems. Focus on renewable resource interactions, including multiple-use forestry and agroforestry.

869 Community and Conservation

Fall of even years, Summer of even years. 3 credits. Interdepartmental with Fisheries and Wildlife and Sociology. Administered by Sociology. RB: Social Science methods, social science theory and environmental coursework.

Use of experiential, participatory, field-based mode of inquiry to develop understanding of social and cultural issues associated with conservation. Understanding of different social positions and perspectives.

870 Community Resource Development

Fall. 3(3-0)

Concepts, models, and strategies. Design and implementation of change in community settings.

890 Independent Study

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.

Individual study of selected topics under faculty supervision.

891 Selected Topics

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course.

Selected topics on current innovations or emerging issues in resource development.

898 Master's Research

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Open to master's students in the Environmental Studies and Applications major.

Plan B research paper.

899 Master's Thesis Research

Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open to master's students in the Environmental Studies and Applications major.

Master's thesis research.

923 Advanced Environmental and Resource Economics

Fall. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Forestry and Park, Recreation and Tourism Resources. Administered by Agricultural Economics. RB: AEC 829 and EC 812A

Advanced economic theory of environmental management and policy. Treatment of externalities and market and non-market approaches to environmental improvement. Topics in conservation and sustainable economic growth. Applications to research and policy.

925 Advanced Natural Resource Economics

Spring. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Forestry and Park, Recreation and Tourism Resources. Administered by Agricultural Economics. RB: EC 812A and AEC 829 and FOR 866 SA: AEC 991H

Economic theory of managing nonrenewable and renewable resources, including optimal use, the incentives for use under decentralized markets, and public policy design. Analysis of the co-evolution of economic and ecological systems.

999 Doctoral Dissertation Research

Fall, Spring, Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open to doctoral students in the Environmental Studies and Applications major.

Doctoral dissertation research.