

RESOURCE
DEVELOPMENT

R D

College of Agriculture and
Natural Resources

IDC. *Resource Ecology and Man*

For course description, see Interdisciplinary Courses.

202. *Soils and Man's Environment*

Winter. 3(3-0) *Interdepartmental with Fisheries and Wildlife Department and Natural Resources and Soil Science and administered by Soil Science.*

Use of soil-water resources in a technological society as it relates to environmental quality. Nature of pollution problems and their possible solutions. Food production and world population.

301. *Conservation of Natural Resources*

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

Development of conservation movement with broad treatment of basic natural resources (minerals, land, waters, forests, wildlife). Conservation practices and facilities, organizations, and agencies involved in their application. General introduction to field.

385. *Junior-Senior Seminar*

Fall, Winter. 1(1-0) *Junior majors.*

Current issues, problems and opportunities in resource development. Student involvement in discussions, analyses, and presentations on resource problems and possible solutions.

401. *Production Economics and Management*

(AEC 401.) Fall. 4(4-0) *Not open to graduate students in Agricultural Economics, Economics or Resource Development. Interdepartmental with Food Systems Economics and Management and Public Affairs Management and administered by Food Systems Economics and Management.*

Economic principles of production. Industry supply and factor demand analysis. Management concepts and choice criteria. Interrelationships of production and consumption decisions. Welfare economics. Examples drawn from agriculture.

417. *Land Economics*

Fall, Spring. 4(4-0) *Interdepartmental with the Economics Department, Public Affairs Management and Food Systems Economics and Management.*

Factors affecting man's economic use of land and space resources. Input-output relationships; development, investment, and enterprise location decisions. Land markets; property rights; area planning; zoning and land use controls.

420. *Water Resource Development*

Fall, Winter, Spring, Summer. 4(3-0)

Significance of water resources in modern society. Introduction to the needs of industry, agriculture and recreation. Concepts of development, use and conservation are critically evaluated in terms of future needs.

450. *Natural Resource Administration*

Fall, Spring. 4(4-0) *Interdepartmental with Fisheries and Wildlife, Forestry and Parks and Recreation Resources Departments and Natural Resources. Administered by the Forestry Department.*

Concepts and methods of administering wild-land properties. The legal, economic and social environment. Benefit-cost analysis of management changes. Unit organization, personnel management and accounting. Presents a systems view of administration.

460. *Regional Economics*

Winter. 4(4-0) 417 or EC 324 or R D 401. *Interdepartmental with the Economics Department, Public Affairs Management and Food Systems Economics and Management.*

Forces affecting location decisions of firms, households and governments. Applications to agricultural, industrial, and regional developments.

480. *Supervised Study*

Fall, Winter, Spring, Summer. 1 to 6 credits. *May re-enroll for a maximum of 10 credits. Approval of department.*

Seminars on current problems. Supervised readings. Individual undergraduate research on selected topics.

485. *Senior Proseminar*

Winter, Spring. 2(2-0) *Senior majors.*

Current issues, literature, and professional approaches in resource development.

491. *Natural Resources and Modern Society*

Spring, Summer. 3(3-0) *Juniors.*

Interdepartmental with the Forestry Department and Natural Resources and administered by the Forestry Department.

A survey of the social and economic significance of natural resources in modern industrial and urban society. Current problems of natural resources management and use are examined in terms of the society in which they exist.

801. *Resource Development Policy*

Fall. 3(3-0)

Analysis of past and present public resource development policies and programs in the United States. Emphasis on national policies.

802. *International Resource Development*

Winter. 3(3-0)

Investigation and analysis of major natural resource use patterns and problems emerging on the international scene. Implications of these patterns and problems for the United States. Examination of national and international agencies.

805. *Regional Resource Development*

Spring. 3(3-0) *Approval of department.*

Multi-state organizational forms for natural resource development. Strengths, weaknesses, and potentials. Historical precedents and proposals for the future. TVA, UGLRC, ARC, and DRBC are studied.

809. *Natural Resources Economics*

Winter. 3(3-0) *Approval of department. Interdepartmental with and administered by the Forestry Department.*

Applications of economic analysis to natural resource problems.

810. *Economics of Public Choice*

Winter. 3(3-0) *Approval of department. Interdepartmental with the Agricultural Economics and Economics Departments and administered by the Agricultural Economics Department.*

Economics of alternative institutions for collective action. Emphasis on property rights and natural resources. Public goods, externalities, non-marginal change, commonwealth, income and power distribution, grants, welfare criteria and market failure.

811. *Public Program Analysis*

Spring, Summer of odd-numbered years. 3(3-0) FSM 401 or EC 324 or approval of department. *Interdepartmental with the Agricultural Economics and Economics Departments and administered by the Agricultural Economics Department.*

Application of benefit-cost analysis to public programs of resources development. Issues and case studies in budgeting, investment criteria, pricing, externalities, and coordination.

812. *Public Direction of Land Use*

Spring. 3(3-0)

Use of public spending, property ownership, police, condemnation, and taxation powers to influence land use decisions.

815. *Community Resource Development*

Winter. 4(4-0) *Approval of department.*

Explanations of community growth and change. Review of public and private agency programs. Case studies of successful and unsuccessful approaches.

816. *Field Techniques in Community Resource Development*

Spring. 6(3-6) 815 or FE 835 or approval of instructor. *Interdepartmental and jointly administered with the Department of Family Ecology.*

Application of community and family resource inventory, analysis, and program planning techniques in Michigan rural-urban situations.

821. *Water Management Institutions*

Winter. 3(3-0)

Major institutional structures and issues in water resource management. Emphasis on linkages between federal, state and local management levels.

824. *Watershed Management*

Fall, Spring. 5(3-5)

Investigation of watersheds, emphasizing physical relationships of water to other resources. Survey of water problems, planning for water use and management practices including conservation and multiple use aspects. Field trips required.

832. *Natural Resource Law*

Fall. 3(3-0)

Legal principles of natural resources administration. Focus on natural resource jurisdiction. Discussion of state and Federal cases, statutes, and treaties. Constitutional and common law. Limitations on governmental power.

835. *Water Resources Law*

Winter. 3(3-0)

Legal principles affecting private rights in state and federal regulation of surface and ground waters. Emphasis on water quality controls.

836. *Environmental Law I*

Winter. 3(3-0) *Approval of department.*

Public and private legal controls and restrictions on resource use, including common law, nuisance and trespass, citizen suits, class actions, appeals from agencies, Administrative Procedure Act, National Environmental Policy Act.

837. *Environmental Law II*

Spring. 3(3-0) 836.

Analysis of federal environmental laws (NEPA, WQIA, Clean Air Act). Form and content of Environmental Impact Statements and problem of agency discretion and judicial review.

842. Park and Recreation Policy
Fall. 3(3-0) *Interdepartmental with and administered by the Department of Park and Recreation Resources.*

Recreation, leisure and work concepts. Determination of needs for recreation facilities. Factors affecting public and private allocation of resources for provision of needed facilities.

851. Public Program Budgeting
Fall. 3(3-0) *Approval of department. Interdepartmental with and administered by the Forestry Department.*

Survey of the federal government's planning-programming-budgeting system, stressing executive branch budget decision-making and budget administration in the natural resource bureaus.

855. Research Methods
Fall. 3(3-0) *Approval of department. Interdepartmental with the Forestry Department.*
Research techniques applicable to management, and policy-oriented natural resource investigations. Analysis of project designs; preparation of project proposals. Evaluation of representative published research studies.

860. Regional Science Methods
Spring. 4(4-0) 460 or approval of department.

Demographic analysis, social accounts, economic base, input-output, industrial complex, linear programming, gravity models, and other techniques for regional research.

880. Special Problems
Fall, Winter, Spring, Summer. 1 to 6 credits. *May re-enroll for a maximum of 10 credits. Approval of department.*

Seminars on current problems. Supervised readings. Independent study of selected topics.

899. Research
Fall, Winter, Spring, Summer. *Variable credit. Approval of department.*

917. Issues in Land Economics
Winter, Spring. 3(3-0) *May re-enroll for a maximum of 6 credits. Doctoral students. 417 and 460.*

Analysis of selected issues related to the utilization of land and water resources.

960. Simulation Models in Natural Resource Management
Winter of odd-numbered years. 3(3-0) *Approval of department. Interdepartmental with the Forestry Department.*

The role of simulation models in developing management strategies. Applications of computer simulation in natural resources. Modeling of decision systems in natural resources management.

999. Research
Fall, Winter, Spring, Summer. *Variable credit. Approval of department.*

Romance Language Courses ROM

210. Latin America: Its Peoples and Cultures
Fall. 3(3-0)

Geographical, ethnic, social, political, economic, and cultural characteristics of Brazil and La-Plata region.

211. Latin America: Its Peoples and Cultures
Winter. 3(3-0)

Continuation of 210. Western and northern South America.

212. Latin America: Its Peoples and Cultures
Spring. 3(3-0)

Continuation of 211. Mexico and the Caribbean region.

220. The Contemporary Romance Film

Fall, Winter, Spring. 4(3-2) *May re-enroll for a maximum of 8 credits. Interdepartmental with Italian, French, Spanish.*

Development of the student's esthetic and cultural appreciation of films by outstanding European directors, most notably, those of France, Italy and Spain.

241. Masterpieces of the Romance Literatures in English Translation

Fall, Winter, Spring, Summer. 3(3-0) *May re-enroll for a maximum of 9 credits.*

Themes, genres and movements transcending national boundaries in French, Italian, Portuguese and Spanish literatures, such as the Romance epic, the picaresque tradition, the spirit of the Renaissance, Romanticism.

299. Special Projects

Fall, Winter, Spring, Summer. *Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.*

Work in areas outside regular course offerings.

310. Latin America Today

Fall. 3(3-0) Juniors.

Major problems and conflicts determining the cultural development of contemporary Latin America as a whole.

311. Latin America Today

Winter. 3(3-0) Juniors.

Cultural life of Latin America as reflected in its literary production, especially in the novel as the most striking interpretation of its social problems.

312. Latin America Today

Spring. 3(3-0) Juniors.

Intellectual currents in Latin America. Role of the intellectual leaders in molding the cultural life of Latin America.

417. Scandinavian Contributions to Literary Tradition

Fall. 3(3-0) *Approval of department. Interdepartmental with the departments of German and Russian and English and administered by the Department of German and Russian.*

Development and influence of the ideas, forms and motifs of the Scandinavian literatures in the literatures of the world.

418. Scandinavian Contributions to Literary Tradition

Winter. 3(3-0) *Approval of department. Interdepartmental with the departments of German and Russian and English and administered by the Department of German and Russian.*

Continuation of 417.

419. Scandinavian Contributions to Literary Tradition

Spring. 3(3-0) *Approval of department. Interdepartmental with the departments of German and Russian and English and administered by the Department of German and Russian.*

Continuation of 418.

IDC. Canadian-American Studies

For course description, see Interdisciplinary Courses.

499. Special Projects

Fall, Winter, Spring, Summer. *Variable credit. May re-enroll for a maximum of 18 credits. Approval of department.*

Work in areas outside regular course offerings.

800. Research Methods and Bibliography of the Romance Literatures

Fall. 3(3-0) *Recommended for first-year graduate students.*

Methods of research, basic bibliographical tools, critical terminology and techniques of scholarly writing, library procedures.

801. Romance Philology

Spring of even-numbered years. 3(3-0) FRN 805 or SPN 805.

Examination of the relatedness of the Romance Languages: common source Latin lexicon, phonological system, grammar. Concentration on the three major Romance Languages, French, Italian, Spanish, with some attention to all others.

805. History of Literary Criticism

Fall, Winter. 3(3-0) *May re-enroll for a maximum of 6 credits.*

Literary criticism from Classical antiquity to the present. Emphasis is on theories of literary composition and analysis. Fall: Classical Antiquity through the Renaissance. Winter: Neoclassicism to present.

815. Theory of Literature

Spring. 3(3-0) *May re-enroll for a maximum of 6 credits.*

Modern critical theories in the Romance literatures, such as French existentialist and structuralist schools, Spanish and Italian theorists such as Ortega y Gasset and Benedetto Croce.

825. Comparative Literature: Studies in Theme and Idea

Fall. 3(3-0) *May re-enroll for a maximum of 9 credits. Interdepartmental with the departments of English and German and Russian.*

Myths, archetypes, *Topoi*, significant ideas and intellectual currents in different periods and cultural traditions.

856. Comparative Literature: Literary and Other Disciplines

Winter. 3(3-0) *May re-enroll for a maximum of 9 credits. Interdepartmental with the departments of English and German and Russian.*

Relations between literature and the sciences and other arts; social, historical, psychological, philosophical bases of literary study.

ROMANCE LANGUAGES

College of Arts and Letters

Students who have had high school work in the foreign language in which they wish to continue their studies must take a placement examination in that language. Placement in the appropriate course is determined by the results of this examination. University credit is not given for courses waived by performance on the placement examination.