COMMUNITY, AGRICULTURE, RECREATION AND RESOURCE STUDIES

Department of Community, Agriculture, Recreation and Resource Studies

College of Agriculture and Natural Resources

202  Problem Solving in Community, Agriculture, and Environmental Systems
Fall, Spring. 3(3-0) P: ESA 200 or PRR 213
R: Not open to freshmen.
Issues: identification, critical thinking, problem solving, sustainability, and leadership in agriculture, natural resources, and community development.

204  Energy Issues in Natural Resource Management
Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Fisheries and Wildlife. R: FW 101 or FW 203 or ESA 200 or ESA 201 or FOR 202

205  Agriculture and Natural Resources Communication Theory and Practice
Communication theory and skills for professionals in the fields of agriculture, food, environment, and recreation.

250  Global Issues in Agriculture and Natural Resources
Fall. 3(3-0) Interdepartmental with Agriculture and Natural Resources. Administered by Agriculture and Natural Resources. P: Completion of Tier I writing requirement R: Open to students in the Department of Community, Agriculture, Recreation and Resource Studies or in the Department of Food Science and Human Nutrition or approval of department. Not open to students with credit in AEE 211 or PRR 351 or RD 300.

251  Information Technology in Agricultural Systems
Fall. 3(2-2) Interdepartmental with Technology Systems Management. Administered by Technology Systems Management. R: Computer science course
Applications and trends in information systems. Evaluation and use of computer systems, peripherals, networks, presentation systems, and communication systems.

410  Michigan’s Hunting Heritage
Fall. 3(3-0) R: Not open to freshmen or sophomores.
Social, economic, ecological, cultural and political aspects of hunting. Safe use of firearms and archery equipment. Hunting ethics, safety and techniques. Field trips required.

415  Program Planning and Evaluation
Fall. 3(3-0) P: (MTH 116 or (MTH 103 and MTH 114)) and (STT 200 or STT 201 or FW 324 or PSY 295 or COM 200 or approval of department) Not open to students with credit in PRR 389.
Concepts, theories, and principles in program development and evaluation. Practical methods and skills to plan and implement evaluations of community, agriculture, and natural resources programs.

419  Applications of Geographic Information Systems to Natural Resources Management
Spring. 4(2-4) Interdepartmental with Bio-systems Engineering and Forestry and Fisheries and Wildlife and Geography. Administered by Fisheries and Wildlife. P: GEO 221
Application of geographic information systems, remote sensing, and Global Positioning Systems to integrated planning and management for fish, wildlife, and related resources.

492  Senior Seminar
Fall, Spring. 1(1-0) R: Open to seniors in the Department of Community, Agriculture, Recreation and Resource Studies.
Senior seminar and capstone experience. Linking course work to professional practice. Enhanced professional communication techniques.

800  Foundations of Community, Agriculture, Recreation and Resource Studies
Fall. 3(3-0) R: Open only to graduate students in the Department of Community, Agriculture, Recreation and Resource Studies.
Concepts, issues, and approaches central to integrated research, service and learning careers in community, agriculture, recreation and resource studies.

802  Survey of Research Methods
Spring. 3(3-0) R: Open only to graduate students in the Department of Community, Agriculture, Recreation and Resource Studies.
Methodological approaches and research techniques applied in multidisciplinary research in community, agriculture, recreation, and resource studies. Concepts and skills needed to interpret and evaluate published research.

811  Community, Food and Agriculture: A Survey
Fall. 3(3-0)
Philosophical, socio-economic, health and political issues related to food and farming in the United States.

812  Buzzword Paradigms in Environmental and Natural Resource Management
Fall of even years. 3(3-0)
Frequently misunderstood paradigms and concepts applied in environmental and natural resource studies.

813  Foundations in Leisure Studies
Fall of even years. 3(3-0) SA: PRR 815
Concepts, theories, and philosophies of leisure and recreation. Historical, sociological, economic, and philosophical perspectives on leisure. Gender, ethnicity, and life course experience and participation in leisure activities.

814  Tourism and Travel: Theories and Applications
Spring of odd years. 3(3-0) SA: PRR 874
Historical antecedents and current concepts of leisure, travel, and tourism. Tourism theory and applications.

823  Contemporary Issues in Animal-Human Relationships
Fall of even years. 3(3-0)
Contemporary issues in animal-human relationships, including agriculture and food systems, local communities, and enclosed parks. Nature as a fluid network of relations including humans, nonhumans, and technologies.

824  Sustainable Development: Measuring Socioeconomic Well-Being
Spring. 3(3-0) R: Prior coursework in microeconomics and sociology
Measurement of social and economic welfare at national and local scales. Consumption and economic growth as welfare indicators. Theories of development, utility, and economic growth. Indicators of sustainable development. Environmental and social dimensions of human well-being.

825  International Development: Strategy, Design, and Implementation
Fall, Spring. 3(3-0) SA: RD 876
Development policy design, strategy, programs, and projects. Planning, organizing, staffing, financing, controlling, and evaluating development projects and programs. Case studies.

826  International Development Theory and Practice
Fall. 3(3-0) Interdepartmental with Anthropology and Forestry and Political Science and Social Science. Administered by Community, Agriculture, Recreation and Resource Studies. SA: RD 826

827  Economic Applications in Resource Studies
Fall of odd years. 3(3-0)
Economic concepts and approaches for analyzing policy decisions in community development, agriculture, natural resource management, recreation and tourism. Case studies in non-market valuation, regional economic impact analysis, benefit-cost analysis for policy analysis.

828  The Art and Craft of Public Policy Analysis
Spring. 3(3-0) R: Prior coursework in political science, public administration or economics, and research methods, or relevant work experience.
Public policy analysis, especially natural resource policy. Theoretical models of policy analysis. Practice translating science to policy. Values, systems and political environments in which policy decisions are made. Field trip required.
Community, Agriculture, Recreation and Resource Studies—ACR

829 The Economics of Environmental Resources
Spring. 3(3-0) Interdepartmental with Agri-
cultural Economics and Economics and Fo-
restry and Fisheries and Wildlife and Park,
Recreation and Tourism Resources. Admi-
nistered by Agricultural Economics. RB:
Graduate Status.
Economic principles related to environmental con-
licts and public policy alternatives. Applications to water quality, land use, fish and wildlife, conserva-
tion, development, and global environmental issues.

831 Foundations of Qualitative Research
Spring. 5(5-0) RB: Prior research expe-
rience is helpful SA: RD 812
Qualitative project design. Relationship of episte-
mology to theory, methodology, and method. Col-
lection and analysis of qualitative data. Project-
based. In-depth interviews, focus groups, observa-
tion, memos, coding displays, report writing.

833 Program Evaluation in Agriculture and Natural Resources
Spring. 3(3-0)
Concepts, theories, procedures and applications of program evaluation. Planning and implementing evaluations of food, agriculture and natural re-
ources programs. Logic models, evaluation plans and instruments, data analysis and written reports.

841 Building and Implementing Watershed Management Plans
Fall. Spring. Summer. 3(3-0) RB: ESA 452 SA: RD 851
Developing and implementing watershed manage-
ment plans. Problem definition, data collection, public consultation, and program evaluation.

842 Watershed Assessments and Tools
Fall, Spring. Summer. 3(3-0) RB: ESA 452 or ACR 841 SA: RD 882
Assessing and predicting physical, chemical, biolog-
ical and socioeconomic conditions within water-
sheds. Tools and techniques for identifying, eva-
luating, and prioritizing problems.

843 Legal, Financial and Institutional Frameworks in Watershed Management
Fall. Spring. Summer. 3(3-0) RB: ESA 452 or ACR 841 or ACR 842
Watershed management laws and regulations. Resolving financial and human conflicts arising from regulation.

845 Coastal and Maritime Resources Management
Fall. Spring. 3(3-0) SA: PRR 895
Integrated planning and management of coastal and maritime resources. Legal, social and political con-
texts of Coastal tourism. Cultural landscapes. Natural, historic and cultural resources. Commer-
cial and recreational uses. Field trips required.

846 Law of Environmental Regulation
Fall. 3(3-0) SA: RD 836
How the legal system regulates environmental mat-

848 Community Based Natural Resource Management in International Development
Spring. 3(3-0) SA: RD 823

853 The Industrialization of American Agriculture
Fall of even years. 3(3-0)
Impact of industrial agriculture on farms, production systems, rural communities and the environment. Agricultural research to create sustainable agricul-
ture and rural life.

854 Agriculture and Social Movements
Spring of even years. 3(3-0)
Theoretical and empirical issues in social move-

857 Culture and Rurality
Spring of odd years. 3(3-0)
Culture, meaning, values, ideology, and identity in rurality, agriculture, and development. Cultural production and reproduction in rural communities and agriculture including power and inequality. Socio-cultural life of markets and commodities, alternative agri-food networks, and sustainable development.

862 Community Program Development - Theory and Practice
Fall of even years. 3(3-0)
Community program development theory and prac-
tice for formal and non-formal program developers. Participant experiences used to connect theory and practice.

872 Parks and Protected Areas Policy and Management
Spring of even years. 3(3-0) Interdepart-
mental with Forestry. Administered by Com-

873 Culture, Communities and Tourism
Fall of even years. 3(3-0)
Multi-disciplinary exploration of culture, heritage, cultural landscapes, ecotourism. Contribution of cultural institutions and resources to economy, tourism and community development. Relationship between natural environment and cultural expres-
sion. Positive and negative impacts of cultural tourism. Domestic and international examples.

875 Tourism and Global Change
Spring of odd years. 3(3-0) Interdepart-
mental with Geography. Administered by Com-

876 Marketing Tourism, Leisure, and Natural Resources
Spring of odd years. 3(3-0) RB: One under-
grad or grad marketing class.
Classic and contemporary marketing theories and methods in planning and design marketing.

878 Tourism, Conservation and Development
Fall of even years. 3(3-0)
Theory and practice of using tourism as a means of conserving natural and cultural resources and pro-
moting economic growth at the local and regional level. Case studies.

890 Independent Study in Agriculture, Community and Recreation
Fall, Spring, Summer. 1 to 6 credits. A stu-
dent may earn a maximum of 6 credits in all enrollments for this course. R: Open to graduate students. Approval of department. Supervised individual study in an area of communi-
ty, agriculture, and recreation.

891 Selected Topics in Agriculture, Community and Recreation
Fall, Spring. Summer. 1 to 9 credits. A stu-
dent may earn a maximum of 9 credits in all enrollments for this course. R: Open to graduate students in the College of Agricult-
ture and Natural Resources or in the De-
partment of Community, Agriculture, Recreation and Resource Studies or in the Community, Agriculture, Recreation and Resource Studies major. Approval of de-
partment.
Selected topics in community, agriculture, and recreation studies of current interest and impor-
tance. Offered first ten weeks of semester.

891B Advanced Topics in Community, Food and Agriculture
Fall, Spring, Summer. 1 to 3 credits. A stu-
dent may earn a maximum of 6 credits in all enrollments for this course. Selected, advanced topics in community, food and agriculture. Topics vary.

892B Ecological Food and Farming Systems Seminar
Fall, Spring. 1 credit. Interdepartmental with Crop and Soil Sciences. Administered by Crop and Soil Sciences. Experiential learning, and multidisciplinary and applied research, in ecological food and farming systems.

895 Case Studies in Community, Agriculture, Recreation and Resource Studies
Spring. 3(3-0) P: ACR 800 and ACR 802 R: Open only to graduate students in the De-
partment of Community, Agriculture, Recreation and Resource Studies. Case studies in community, agriculture, recreation and tourism, natural resources and environmental systems. Use of multi-disciplinary teams in address-
ing complex policy, planning, development, and management issues.

898 Master's Professional Project
Fall, Spring, Summer. 1 to 3 credits. A stu-
dent may earn a maximum of 9 credits in all enrollments for this course. R: Open only to master's students in the Department of Community, Agriculture, Recreation and Resource Studies. Master's project, non-thesis research, practicum or other professional development capstone expe-
riences.
Master's Thesis Research
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to master's students in the Department of Community, Agriculture, Recreation and Resource Studies.
Master's thesis research.

Doctoral Dissertation Research
Fall, Spring, Summer. 1 to 12 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to doctoral students in the Department of Community, Agriculture, Recreation and Resource Studies.
Doctoral dissertation research.