COMMUNITY, AGRICULTURE, RECREATION AND RESOURCE STUDIES

Department of Community, Agriculture, Recreation and Resource Studies

College of Agriculture and Natural Resources

187 Introduction to Sustainability
Fall, Spring. (3-0)
Integration of balance among social equity, ecological integrity, economic vitality, civic engagement, aesthetic understanding, critical thinking, systems thinking, personal development, and competency-based learning. Portfolio assessment.

202 Problem Solving in Community, Agriculture, and Natural Systems
Fall, Spring. (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, applied research, outreach or teaching project. Project defense presentation.

204 Energy Issues in Natural Resource Management
Spring. (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
Spring. (3-0)
Interdepartmental with Agriculture and Natural Resources. Administered by Agriculture and Natural Resources. 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.
Communication theory and skills for professionals in the fields of agriculture, food, environment, and recreation.

250 Global Issues in Agriculture and Natural Resources
Fall. (3-0)
Interdepartmental with Agriculture and Natural Resources. Administered by Agriculture and Natural Resources. R: Completion of Tier I writing requirement. SA: AEE 301

251 Information Technology in Agricultural Systems
Fall. (3-2)
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.

287 Issues in Sustainability
Fall, Spring. (3-0)
P: ACR 187
Current events in sustainability. Linkage of student experiences with sustainability competencies through portfolios. Sustainability learning community.

387 Sustainability Practicum
Fall, Spring. (2-4)
P: ACR 187 or approval of department
Integration of sustainability competencies through applied research, outreach or teaching project. Project defense presentation.

410 Michigan's Hunting Heritage
Fall. (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. (3-0)
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 procedures 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)
Interdepartmental with Bio-systems Engineering and Forestry and Fisheries and Wildlife. 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.

427 Selected Topics in Sustainability
Fall, Spring. 1 to 3 credits.
A student may earn a maximum of 6 credits in all enrollments for this course. P: ACR 187 or approval of department
Focused topics related to global sustainability issues, themes, events, or concepts.

487 Sustainability Portfolio Capstone
Fall, Spring. (2-2)
P: (ACR 187 or concurrently) and ACR 387 or approval of department
Capstone presentation and explanation of sustainability competencies.

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. (3-0)
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. (3-0)
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. (3-0)
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)
Frequently misunderstood paradigms and concepts applied in environmental and natural resources studies.

813 Foundations in Leisure Studies
Fall of even years. (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)
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. (3-0)
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. (3-0)
RB: 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. (3-0)
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 resources 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) RB: Prior course work 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.

829  The Economics of Environmental Resources
Spring. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Forestry and Fisheries and Wildlife. Administered by Agricultural Economics.
Economic principles related to environmental conflicts and public policy alternatives. Applications to water quality, land use, fish and wildlife, conservation, development, and global environmental issues.

831  Foundations of Qualitative Research
Spring. 5(5-0) RB: Prior research experience is helpful SA: RD 812
Qualitative research. Relationship of epistemology to theory, methodology, and method. Collection and analysis of qualitative data. Project-based. In-depth interviews, focus groups, observation, 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 resource programs. Logic models, evaluation plans and instruments, data analysis and written reports.

838  Participatory Modes of Inquiry
Spring. 2(2-0) RB: ACR 800, ACR 802, a graduate philosophy of science course, or a graduate-level research methods course.
Participatory and action research literature across the disciplines. Epistemological and theoretical foundations, fields of application, points of emphasis for practice. Skill building in reflexivity, surfacing assumptions, dialogue, active listening, and observation.

841  Building and Implementing Watershed Management Plans
Fall, Spring. Summer. 3(3-0) RB: ESA 452 SA: RD 881
Developing and implementing watershed management 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, biological and socioeconomic conditions within watersheds. Tools and techniques for identifying, evaluating, 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 of odd years. 3(3-0) SA: PRR 895
Integrated planning and management of coastal and marine resources. Legal, social and political concepts of Coastal tourism. Cultural landscapes, Natural, historic and cultural resources. Commercial and recreational uses. Field trips required.

846  Law of Environmental Regulation
Fall. 3(3-0) SA: RD 836

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 agriculture and rural life.

854  Agriculture and Social Movements
Spring of even years. 3(3-0)

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 practice 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 odd years. 3(3-0) Interdepartmental with Forestry. Administered by Community, Agriculture, Recreation and Resource Studies. SA: PRR 842

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 expression. Positive and negative impacts of cultural tourism. Domestic and international examples.

875  Tourism and Global Change
Spring of odd years. 3(3-0) Interdepartmental with Geography. Administered by Community, Agriculture, Recreation and Resource Studies.
Inter-relation among tourism and economic, social, political, and environmental forces. Local, national, and international levels. Focus on vulnerable, less developed regions with the lowest natural levels of adaptation to global, social, and environmental change.

876  Marketing Tourism, Leisure, and Natural Resources
Spring of odd years. 3(3-0) RB: One undergrad 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 promoting 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 student 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 community, agriculture, and recreation.
ACR—Community, Agriculture, Recreation and Resources Studies

891 Selected Topics in Agriculture, Community and Recreation
Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open to graduate students in the College of Agriculture and Natural Resources or in the Department of Community, Agriculture, Recreation and Resource Studies or in the Community, Agriculture, Recreation and Resource Studies major. Approval of department. Selected topics in community, agriculture, and recreation studies of current interest and importance. Offered first ten weeks of semester.

891B Advanced Topics in Community, Food and Agriculture
Fall, Spring, Summer. 1 to 3 credits. A student 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.

894 Field Practicum in Sustainability Studies
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 graduate students in the Department of Community, Agriculture, Recreation and Resource Studies. Integration of knowledge, skills and program objectives with field-based scholarship or training in programs in domestic or foreign settings. Practice, observation, and analysis through field experiences. Writing, analysis, and evaluation.

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 Department 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 addressing complex policy, planning, development, and management issues.

898 Master's Professional Project
Fall, Spring, Summer. 1 to 3 credits. A student 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 experiences.

899 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.

999 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.