

**COMMUNITY,  
AGRICULTURE,  
RECREATION AND  
RESOURCE STUDIES**

**ACR**

**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. RB: FW 101 or FW 203 or ESA 200 or ESA 201 or FOR 202

Energy issues and their relationship to natural resource management. Global warming. Fossil fuels, solar and wind power, biofuels, fuel cells, and hybrids. Energy efficiency and environmental impacts.

**205 Agriculture and Natural Resources  
Communication Theory and Practice**  
Spring. 3(3-0) 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.

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. SA: AEE 301

Globalization. Economic, political, and social issues related to natural resources and agricultural production. Historical perspectives and future projections.

**251 Information Technology in Agricultural  
Systems**  
Fall. 3(2-2) Interdepartmental with Technology Systems Management. Administered by Technology Systems Management. RB: Computer science course

Applications and trends in information systems. Evaluation and use of computer systems, peripherals, networks, presentation systems, and communication systems.

**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 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(2-4) Interdepartmental with Biosystems 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 resources 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 resources 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.

**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

Evolution of international development theory across disciplines. Changing conceptualizations, measurements, processes and effects of development and poverty. Ethnicity, social class, gender, and community influences on socioeconomic processes. Current issues, concerns, and strategic alternatives.

**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.

**829 The Economics of Environmental  
Resources**

Spring. 3(3-0) Interdepartmental with Agricultural Economics and Economics and Forestry and Fisheries and Wildlife and Park, Recreation and Tourism Resources. Administered by Agricultural Economics. RB: Graduate Status

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.

**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 resources 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 881

Developing and implementing watershed management plans. Problem definition, data collection, public consultation, and program evaluation.

## Community, Agriculture, Recreation and Resource Studies—ACR

- 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.
- 846 Law of Environmental Regulation**  
Fall. 3(3-0) SA: RD 836  
How the legal system regulates environmental matters. Case studies. Administrative Procedures Act. National Environmental Policy Act. Clean Air Act. Nuclear power, federal lands, parks, monuments, and the production, use and disposal of hazardous substances.
- 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)  
Theoretical and empirical issues in social movements. History of United States agrarian insurgency. Contemporary analysis of agrifood insurgency, grievances, organization, ideology, economic and political structures. Role of culture.
- 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 even years. 3(3-0) Interdepartmental with Forestry. Administered by Community, Agriculture, Recreation and Resource Studies. SA: PRR 842  
Historical and institutional approach to national park and wilderness policies. Variations in policy implementation across United States natural resource management agencies. International protected areas policies and issues. Relationship between policy and resource management.
- 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-relationship 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.
- 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.
- 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.
- 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.