COMMUNITY SUSTAINABILITY CSUS

Department of Community Sustainability
College of Agriculture and Natural Resources

224 Introduction to Sustainable Agriculture and Food Systems
Fall, Spring. 2(2-0) Interdepartmental with Animal Science and Crop and Soil Sciences and Horticulture. Administered by Crop and Soil Sciences. R: Open to undergraduate students or agricultural technology students. Contemporary research and movements involving agricultural and food system sustainability. Socio-cultural factors influencing food and agriculture.

200 Introduction to Sustainability
Fall, Spring. 3(3-0) SA: RD 200, ESA 200 Introduction to sustainability and personal role in sustainability initiatives. Implications of individual actions for key sustainability challenges. Application of sustainability principles and leadership skills in community.

207 Great Lakes: Biology and Management
Spring. 3(3-0) Interdepartmental with Fisheries and Wildlife. Administered by Fisheries and Wildlife. Living aquatic resources of the Great Lakes, environmental history, and biological resources and their management. Policy issues.

215 International Development and Sustainability
Spring. 3(3-0)
Theories, concepts and themes in international development and sustainability.

221 Seminar in Environmental and Sustainability Careers
Spring. 1(1-0) R: Open to students in the Environmental Studies and Sustainability Major or approval of department. Societal value of, and opportunities in, environment and sustainability careers. Career planning, including engagement with employers and alumni.

222A Seminar in Instructional Theory I - Agriculture, Food and Natural Resources Education
Fall. 1(1-0) R: Open to undergraduate students. Professional involvement and introductory instructional theory in formal and non formal agriculture, food and natural resources education. Requires 10 hours of observation in a K-12 Ag, Food, and Natural Resource Education (AFNRE) classroom.

222B Seminar in Instructional Theory II - Agriculture, Food and Natural Resources Education
Fall. 1(1-0) P: CSUS 222A Principles of experiential learning theory in formal and nonformal agriculture, food and natural resources education. Requires 10 hours of observation in a K-12 Ag, Food, and Natural Resource Education (AFNRE) classroom.

222C Seminar in Instructional Theory III - Agriculture, Food and Natural Resources Education
Fall. 1(1-0) P: CSUS 222B Application of problem-based learning theory in formal and nonformal agriculture, food and natural resources education. Requires 10 hours of observation in a K-12 Ag, Food, and Natural Resource Educational (AFNRE) classroom.

223A Seminar in Leadership Theory I - Agriculture, Food and Natural Resources Education
Spring. 1(1-0) Introductory leadership theory in formal and nonformal agriculture, food and natural resources education.

223B Seminar in Leadership Theory II - Agriculture, Food and Natural Resources Education
Spring. 1(1-0) P: CSUS 223A Practical applications of leadership theory in agriculture, food and natural resources education within Michigan communities.

223C Seminar in Leadership Theory III - Agriculture, Food and Natural Resources Education
Spring. 1(1-0) P: CSUS 223B Applied mentoring and leadership evaluation in formal and nonformal agriculture, food, and natural resources education.

224 Sustainable Farm and Food Systems Field Studies
Fall. 1(0-4) Interdepartmental with Animal Science and Crop and Soil Sciences and Horticulture. Administered by Crop and Soil Sciences. P: CSS 124 R: Not open to freshmen or agricultural technology students. Field visits to farm and food system operations that utilize sustainable practices in Michigan. Offered first half of semester.

250 Global Issues in Agriculture and Natural Resources
Fall. 3(3-0) Interdepartmental with Agriculture and Natural Resources. P: Completion of Tier I Writing Requirement SA: AEE 201 or EC 202 R: Open to juniors or seniors or approval of department. Globalization. Economic, political, and social issues related to natural resources and agricultural production. Historical perspectives and future projections.

259 Sustainable Energy and Society
Spring. 3(3-0) RB: EEM 255 or concurrently Sustainable fuels and technologies, energy systems, energy transitions, and personal and societal roadblocks to achieving sustainable energy. Energy poverty, justice and decision-making.

265 Exploring Environmental and Sustainability Issues and Policy Using Film
Spring. 3(3-0) RB: Completion of Tier I Writing requirement SA: ESA 235 Environmental and sustainability issues, themes, and perspectives in feature films and documentaries.

273 Introduction to Travel and Tourism
Fall. Spring. 3(3-0) SA: PRR 214 Overview of the travel and tourism industry. History, scope and management of the tourism system. Tourism demand, destination management, major travel segments, tourism marketing.

276 Sustaining Our National Parks and Recreation Lands
Spring. 3(3-0) SA: PRR 210, PRR 211 Scope, history and management of federal, state and local public recreation lands. Future management options strengthening sustainability. Careers in natural resource recreation.

300 Theoretical Foundations of Sustainability
Fall. Spring. 3(3-0) P: (CSUS 200) and completion of Tier I writing requirement and (EC 201 or EC 202) R: Open to juniors or seniors or approval of department. Foundations of sustainability theory. History and evolution of interdisciplinary thought about sustainability. Principles of systems thinking as applied to complex problems. Application of theory in community systems.

301 Community Engagement for Sustainability
Fall, Spring. 3(3-0) P: (CSUS 200) and completion of Tier I writing requirement Application of principles of change theory, citizenship, sustainability, and community engagement at multiple scales. Public and participatory decision making in diverse contexts. Techniques and skills for community engagement. Examination of personal identities as citizens. Leadership and communication challenges in active practice of engagement.

310 History of Environmental Thought and Sustainability
Fall, Spring. Summer. 3(3-0) P: Completion of Tier I Writing Requirement RB: (CSUS 200) and One ISS course or one PSY course or one SOC course. R: Open to sophomores or juniors or seniors. SA: PRR 302 History of attitudes and values associated with the environment, wilderness, environmentalism, preservation, and sustainability. Perceptions and assessment of modern environmental problems and issues.

320 Environmental Planning and Management
Fall, Spring. Summer. 3(3-0) P: Completion of Tier I Writing Requirement RB: (CSUS 200) and one ISB course and one environmental science course SA: ESA 320, RD 320 Concepts, principles and objectives of planning and management. Demand, supply and impacts of natural resources use. Suitability assessment for sustainable development and land use planning.
464  Environmental and Natural Resource Policy in Michigan  
Spring. 3(3-0) Interdepartmental with Environmental Economics and Policy. Administered by Community Sustainability. P: CSUS 200 or EEP 255. R: Approval of department. SA: ESA 440, RD 440  
State legislative process and its role in environmental and natural resource policy formulation. Influence of lobbying, citizen engagement and political factors.

465  Environmental and Natural Resource Law  
Fall. 3(3-0) Interdepartmental with Environmental Economics and Policy and Forestry. Administered by Community Sustainability. P: CSUS 200 or EEP 255 R: Open to juniors or seniors or graduate students. SA: ESA 430, RD 430  
Legal principles and process related to the environment and natural resources. Common law, constitutional law, statutory and administrative law.

473  Social Entrepreneurship and Community Sustainability  
Spring. 3(3-0) P: (CSUS 200 or CSUS 273) and completion of Tier I writing requirement RB: A course in micro-economics R: Open to juniors or seniors or graduate students. SA: PRR 473  
Start-up and management of private sector, non-profit, and public organizations. Identifying and overcoming the challenges associated with the sustainable operations of small organizations.

474  Advanced Topics in Tourism Management  
Spring. 3(3-0) P: CSUS 273 or HB 100 or GEO 269 R: Open to juniors or seniors or graduate students. SA: PRR 474  
Tourism as a form of economic and community development. Tourism planning, marketing and management. Tourism and sustainability. Tourism research.

476  Natural Resource Recreation Management  
Fall. 4(3-2) P: (CSUS 276 or FOR 101 or FOR 202 or FW 101) and completion of Tier I writing requirement R: Open to juniors or seniors or graduate students. SA: PRR 476  
Natural resource recreation management principles, tools and models. Applications to trail, camping, watercraft and dispersed recreation settings. Security of visitors, resources and facilities. Case studies and integrated problem solving. Offered first half of semester.

489  Seminar in Zoo and Aquarium Science  
Fall. Spring. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. Interdepartmental with Fisheries and Wildlife and Integrative Biology and Landscape Architecture. Administered by Integrative Biology. R: Approval of department. SA: ZOL 489  
Scientific writing and oral presentations related to zoo and aquarium studies.

490  Independent Study in Community Sustainability  
Fall. Spring. Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: (CSUS 200) and completion of Tier I Writing requirement R: Approval of department. Application required. SA: ACR 490, ESA 490, PRR 490  
Individual supervised study of selected topics

491  Special Topics in Community Sustainability  
On Demand. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: (CSUS 200) and completion of Tier I Writing requirement R: Open to juniors or seniors. SA: ACR 491, ESA 491, PRR 491  
Selected issues in community sustainability derived from current and emerging topics of interest.

493  Professional Internship in Community Sustainability  
Fall, Spring, Summer. 3 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. A student may earn a maximum of 6 credits in all enrollments for any or all of these courses: ABM 493, ANR 493, ANS 493, CMP 493, CS 493, EEP 493, FIM 493, FSC 493, FW 493, HRT 493, PKG 493, and PLP 493. P: (CSUS 200) and completion of Tier I writing requirement R: Open to seniors in the Department of Community Sustainability. Approval of department; application required. SA: ESA 493, PRR 493  
Off campus supervised capstone professional experience in an organization related to student’s major in the Department of Community Sustainability.

800  Foundations of Community Sustainability  
Fall. 3(3-0) R: Open to graduate students in the Department of Community Sustainability or approval of department. SA: ACR 800  
Concepts, issues, and approaches central to integrated research, service and learning careers in community sustainability including sustainable tourism and protected area management.

802  Survey of Research Methods  
Fall. 3(3-0) R: Open to graduate students in the Department of Community Sustainability or approval of department. SA: ACR 802  
Methodological approaches and research techniques applied in multidisciplinary research in community sustainability. Concepts and skills needed to interpret and evaluate published research.

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

814  Sustainable Tourism and Protected Area Management: Theories and Applications  
Fall of odd years. 3(3-0) SA: ACR 814, PRR 874  
Historical antecedents and current concepts of leisure, travel, and tourism. Tourism theory and applications.

816  Environmental Design Theory  
Fall. 3(3-0) Interdepartmental with Horticulture and Interior Design and Landscape Architecture. Administered by Landscape Architecture. RB: Undergraduate design degree recommended R: Differences between normative theories, scientific theories, models, and constructs. Exploration of normative theories related to thesis or practicum.

823  Contemporary Issues in Animal-Human Relationships  
Fall of even years. 3(3-0) SA: ACR 823  
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  
Spring of odd years. 3(3-0) RB: Prior coursework in microeconomics and sociology SA: ACR 824  
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.

826  International Development: Theory and Practice  
Spring. 3(3-0) Interdepartmental with Anthropology and Forestry and Political Science and Social Science. Administered by Community Sustainability. SA: ACR 826, RD 826  

829  Economics of Environmental Resources  
Spring. 3(3-0) Interdepartmental with Agricultural, Food, and Resource Economics and Economics and Forestry and Fisheries and Wildlife. Administered by Agricultural, Food, and Resource Economics. RB: Undergraduate intermediate microeconomics, calculus, and statistics SA: AEC 829  
Economic principles, theoretical models, and empirical methods related to environmental problems and policy interventions. Applications to air, land, water, forests, energy, fish and wildlife, and climate change, including in developing countries.

831  Foundations of Qualitative Research  
Spring. 3(3-0) SA: RD 812, ACR 831  
Qualitative project design. 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) SA: ACR 833  
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.

834  Survey Research and Design  
Spring. 3(3-0) RB: Graduate-level course in economics or sociology. R: Open to graduate students or approval of department. Theory and practice of designing and conducting surveys in the study of community sustainability.
836  **Modeling Natural Resource Systems**
Spring, 3(3-0) Interdepartmental with Environ-
mental Science and Policy and Fisheries
and Wildlife. Administered by Community
Sustainability. RB: ecology, statistics, and
calculus SA: ACR 851, CSUS 851

System dynamics modeling in human-environ-
ment systems. Sustainability applications, including renew-
able and non-renewable resource use, greenhouse
gas emissions and climate change, pollutants and
limits to growth.

838  **Participatory Modes of Inquiry**
Fall, 3(3-0) RB: CSUS 800, CSUS 802, a
graduate philosophy of science course, or a
graduate-level research methods course. SA:
ACR 838

Participatory and action research literature across the
disciplines. Epistemological and theoretical founda-
tions, fields of application, points of emphasis for
practice. Skill building in reflexivity, surfacing as-
sumptions, dialogue, and active listening.

841  **Building and Implementing Watershed
Management Plans**
Fall, Spring, Summer. 3(3-0) RB: CSUS 452
SA: ACR 841, RD 881

Developing and implementing watershed manage-
ment plans. Problem definition, data collection, pub-
lic consultation, and program evaluation.

842  **Watershed Assessments and Tools**
Fall, Spring, Summer. 3(3-0) RB: CSUS 452
or CSUS 841 SA: ACR 842, RD 862

Assessing and predicting physical, chemical, biologi-
cal 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: CSUS 452
or CSUS 841 or CSUS 842 SA: ACR 843

Watershed management laws and regulations. Re-
solving financial and human conflicts arising from
regulation.

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

Community-based natural resource management in
developing countries. Determinants of conservation,
productivity, and income distribution. Interaction of
human and natural systems, perceptions of scarcity,
property rights, collective action, and governance.
Policy tools for promoting conservation.

855  **Political Ecology of Food**
Fall of even years. 3(3-0) RB: CSUS 811 or
concurrently R: Open to graduate students or
approval of department.

Interactions between food, society and the environ-
ment. Ecological impacts and sociopolitical power in
international and domestic contexts.

858  **Gender, Justice and Environmental
Change: Issues and Concepts**
Fall, 3(3-0) Interdepartmental with Anthropol-
yogy and Criminal Justice and Forestry and
Fisheries and Wildlife and Geography and
Sociology and Women’s Studies. Adminis-
tered by Community Sustainability. RB:
Background in social science, environmental
science, or natural resources.

Issues and concepts related to gender, ecology, and
environmental studies. Key debates and theoretical
approaches to addressing environmental issues from a
gender and social justice perspective. Gender and
environment issues and processes from a global per-
spective.

865  **Facilitative Leadership**
Fall, 1(1-0) SA: ACR 865

Facilitative leadership in groups, organizations and
communities. Techniques, processes, and skills for
leading groups to generate and prioritize ideas, set
goals, and create action plans. Practical experience
emphasized.

873  **Culture, Communities and Tourism**
Fall of even years. 3(3-0) SA: ACR 873

Multi-disciplinary exploration of culture, heritage, cul-
tural landscapes, ecotourism. Contribution of cultural
institutions and resources to economy, tourism and
community development. Relationship between nat-
ural environment and cultural expression. Positive
and negative impacts of cultural tourism. Domestic
and international examples.

886  **Fundamentals of Museum Studies**
Fall, 3(3-0) Interdepartmental with Anthropol-
yogy and History and Museum Studies. Ad-
ministered by Museum Studies. R: Open to
lifelong graduate students in the College of
Arts and Letters or in the Department of An-
thropology or in the Department of History.
Approval of department. SA: AL 886 Not
open to students with credit in MUSM 485.
Introduction to the history of museums and current
practices, standards, issues and ethics related to ed-
ucation, administration, visitor studies and the de-
velopment, care and use of museum collections.

890  **Independent Study in Community
Sustainability**
Fall, Spring, Summer. 1 to 6 credits.
A student may earn a maximum of 6 credits in all enroll-
ments for this course. Interdepartmental with
Anthropology and History and Museum Studies.
Administered by Community Sustainability. SA:
AL 897 C: MUSM 485 concurrently or
MUSM 866 concurrently.

Practical experience in museum studies.

891  **Selected Topics in Community
Sustainability**
Fall, Spring, Summer. 1 to 9 credits.
A student may earn a maximum of 9 credits in all enroll-
ments for this course. R: Open to grad-
uate students. Approval of department. SA:
ACR 891

Selected topics in community sustainability or sus-
tainable tourism and protected area management of
current interest and importance.

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 enroll-
ments for this course. SA: ACR 891B

Selected, advanced topics in community, food and
agriculture.

894  **Field Practicum in Community
Sustainability**
Fall, Spring, Summer. 1 to 3 credits. A stu-
dent may earn a maximum of 3 credits in all enroll-
ments for this course. R: Open to grad-
uate students in the Department of Commu-
nity Sustainability. SA: ACR 894

Integration of knowledge, skills and program objec-
tives with field-based scholarship or training in pro-
grams in domestic or foreign settings. Practice, ob-
servation, and analysis through field experiences.
Writing, analysis, and evaluation.

895  **Case Studies in Community
Sustainability**
Fall. 3(3-0) Pr: CSUS 800 and CSUS 802 R:
Open to graduate students in the Department of
Community Sustainability or approval of depa-
tment. SA: ACR 895

Case studies in community sustainability, sustainable
tourism, and protected area management. Use of
multi-disciplinary teams in addressing complex pol-
icy, planning, development, and management issues.

897  **Practicum in Museum Studies**
On Demand. 1 to 3 credits. A student may earn a maximum of 6 credits in all enroll-
ments for this course. Interdepartmental with
Anthropology and History and Museum Studies.
Administered by Museum Studies. SA:
AL 897 C: MUSM 485 concurrently or
MUSM 866 concurrently.

Practical experience in museum studies.

898  **Master’s Professional Project**
Fall, Spring, Summer. 1 to 3 credits. A stu-
dent may earn a maximum of 18 credits in all enroll-
ments for this course. R: Open to mas-
ter’s students in the Department of Commu-
nity Sustainability. SA: ACR 898

Master’s project, non-thesis research, practicum or
other professional development capstone experi-
ences.

899  **Master’s Thesis Research**
Fall, Spring, Summer. 1 to 6 credits. A stu-
dent may earn a maximum of 18 credits in all enroll-
ments for this course. R: Open to mas-
ter’s students in the Department of Commu-
nity Sustainability. SA: ACR 899

Master’s thesis research.

999  **Doctoral Dissertation Research**
Fall, Spring, Summer. 1 to 12 credits. A stu-
dent may earn a maximum of 36 credits in all enroll-
ments for this course. R: Open to doc-
toral students in the Department of Commu-
nity Sustainability. SA: ACR 999

Doctoral dissertation research.