

Fall 2008 MSU Graduate Courses Related to the Environment:

Only courses open to students from multiple departments... Cross-listed courses listed by host department... Does not include all study abroad or methods courses... Abbreviation key at end

<i>Department</i>	<i>Course</i>	<i>Title</i>	<i>Professor</i>	<i>Credits</i>
ACR	415	Program Planning & Evaluation	Suvedi	3
ACR	811	Community, Food and Agriculture: A Survey		3
ACR	812	Buzzword Paradigms in Environmental and Natural Resources Management.	Arvai	3
ACR	823	Contemporary Issues in Animal and People Relationships.	Kalof	3
ACR	825	International Development: Strategy, Design, and Implementa	Axinn	3
ACR/ ANP/ FOR/PLS/ SSC	826	International Development and Sustainability	Kerr	3
ACR/FOR/FW	841	Building and Implementing Watershed Management Plans	Bartholic	3
ACR/FOR/FW	842	Watershed Assessments and Tools	Bartholic	3
ACR	843	Legal, Financial and Institutional Frameworks in Watershed M	Bartholic	3
ACR	846	Law of Environmental Regulation	Bronstein	3
ACR	853	Industrialization of American Agriculture	Wright	3
ACR	862	Community Program Development	Rivera	3
ACR	873	Culture, Communities and Tourism		3
ACR	876	International Rural Community Development	Axinn	3
ACR	878	Tourism, Conservation and Development.	Bronstein	3
ACR	891-011	Tourism and Global Change		varies
ADV	426	Advanced Creative: Print	Brimmer	3
AEC/ EC/ FOR/ PRR/RD	923	Advanced Environmental and Resource Economics	Hoehn	3
AEC	932	Information Economics and Institutions in Agriculture and Natural Resources	Black/ Staatz	3
ANP	831	Seminar in Cultural Ecology	Derman	3
ANS	407	Food and Animal Toxicology	Bursian	3
ANS	480	Animal Systems in International Development	Shelle	3
ANS/ ZOL	805	Animal Welfare Assessment	Siegford	
BE	431	Bio-Resources Optimization	Alocilja	3
BE	481	Land and Water Conservation Engineering	Miller/ Northcott	3
BE	491-001	Biomass Conversion Engineering		3
BE	825	Properties of Biological Materials	Marks/ Steffe	3

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BE	835	Analysis of Biological Systems	Dolan/ Segerlind/ Srivastava	3
BE	891-601	Principles of Biosensors		3
BMB/ PLB	864	Plant Biogeochemistry		3
CAS	825	Mass Communication and Public Health	Silk	3
CAS	892-002	Risk Communication	Lapinski	3
CAS	892-730	Public Health & Safety: Communicating with Diverse Populations	Lindsey	3
CE	421	Engineering Hydrology	Li	3
CE	481	Environmental Engineering Chemistry	Voice	3
CE/ ENE	483	Unit Operations and Processes in Environmental Engineering	Tarabara	3
CE	821	Groundwater Hydraulics	Reeves	3
CE	822	Groundwater Modeling	Li	3
CJ	491-002	Environmental Crime.	Gibbs	3
CJ	809-732	International Environmental Risk	Gore	3
CSS	402	Principles of Weed Science	Kells	3
CSS	440	Soil Biophysics	Smucker	3
CSS	455	Pollutants in the Soil Environment	Boyd/Li	3
CSS	470	Soil Resources	Mokman	3
CSS	480	Soil Fertility and Management	Jacobs	3
ENE	802	Physicochemical Processes in Environmental Engineering		3
ENE	804	Biological Processes in Environmental Engineering	Hashsham	3
ENT	404	Fundamentals of Entomology	DiFonzo	3
ENT	410	Apiculture and Pollination	Huang, Pett	3
ENT/ CSS/ FW/ HRT	477	Pest Management Systems	DiFonzo	3
ENT	812-001	Current Topics in Systematics and Evolution.	Cognato	3
ENT	838	Systematics, Morphology, Biology: Immatures	Parsons	3
ENT	844	Insect Ecology, Evolution and Conservation	Parsons	3
ESA	415	Environmental Impact Assessment	Schultink	4
ESA	420	Risk and Decision Science for Environmental and Natural Resource Management	Arvai	3

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ESA/ EEP/ FOR	430	Law and Resources	Kaplowitz	3
ESA	435	Conservation Education	Dann	3
ESA	444	Pesticides, People, and Politics		3
ESA/ GEO/UP	450	Smart Growth and Decision Making	Adelaja/ Warbach	3
ESA/ BE/ CSS/ FOR/FW/RD	452	Watershed Concepts	Bartholic	3
ESA	491-731	Soil Erosion and Sediment Control	Bartholic	varies
ESP	801	Physical, Chemical, and Biological Processes of the Environment	Long/Voice	3
ESP	803	Human and Ecological Health Assessment and Management	Chou	3
ESP	891	Promising Research for Paths for Sustainability: Cutting Edge Perspectives from the Natural and Social Sciences	Thompson	1
FOR/ CSS	404	Forest and Agricultural Ecology	Kobe	3
FOR	412	Wildland Fire	Walters	2
FOR/ SOC	450	Forestry in International Development	Yin	3
FOR	464	Forest Resource Economics	Potter-Witter	3
FOR	802	Forest Science Research	Han/Kobe/Matuan	2
FOR	824	Forest Soils	Rothstein	3
FOR/ ANS/ CSS/ FW/ GEN/HRT	842	Population Genetics	Epperson	3
FOR	890-610	Principles and Practices of Agroforestry.	Nzokou	varies
FW	414	Aquatic Ecosystem Management	Infante	3
FW	416	Marine Ecosystem Management	Peters	3
FW/ PLB	417	Wetland Ecology and Management	Turetsky	3
FW/ ZOL	420	Stream Ecology	Wagner	3
FW	424	Population Analysis and Management	Hayes	4
FW	435	Integrated Communications for the Fisheries and Wildlife Professional		3
FW/ ZOL	444	Conservation Biology	Roloff	3
FW	468	Great Lakes Water Policy	Dreelin	2

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FW/ ZOL	471	Icthyology	Garling/ Peters	4
FW/ ZOL	474	Limnological and Fisheries Techniques	Wolfson	3
FW	491-003	Evaluating Environmental Interventions	Gore	3
FW/ PLB/ZOL	828	Conservation and Genetics	Scribner	3
FW/ BE/FOR/RD	852	Systems Modeling and Simulation	Liu	3
FW/ ANP/	858	Gender and Environment	Simmons	3
FW	877	Fish Population Dynamics	Bence	3
FW/ AEC/ FOR/ PRR	885	Leadership in Natural Resources and Management	Riley	
FW	891-001	International Environmental Risk (online)	Gore	3
GEO/ BE	402	Agricultural Climatology	Andresen	3
GEO/UP	414	Geography of Transportation	Pigozzi	3
GEO	432	Environmental Ethics	Harman	3
GEO	435	Geography of Health and Disease	Grady/ Ramirez	3
GEO	492-002	Climates of the World.	Winkler	3
GEO	492-003	Longterm Landscape Change.	Yansa	3
GEO	871	Seminar in Physical Geography	Yansa	3
GEO	872	Seminar in Human Geography	Walker	3
GEO	890-001	Theorizing Space, Place and Power.	Simmons	3
GEO	890-002	China and Globalization	Chen	3
GLG	411	Hydrogeology	Larson	3
GLG/ ZOL	433	Vertebrate Paleontology	Gottfried/ Tulu	4
GLG/ ZOL	434	Evolutionary Paleobiology	Ansley	4
GLG/ CSS	863	Mineral/ Water Interactions	Velbel	4
GLG	881	Sedimentary Petrology	Rooney	4
HED	431	Ecology of the Global Textile and Apparel Complex		3
HRT	401	Physiology and Management of Herbaceous Plants	Warner	3
HRT/ CSS/ FOR/ PHL	486	Biotechnology in Agriculture: Applied and Ethical Issues	Grumet/ Thompso	3
HRT/ CSS/ FOR	819	Advanced Plant Breeding	Iezzoni/Kelly/Wa ng	3
HRT/ CSS/ FOR	892	Plant Breeding & Genetics Seminar	Douches et al.	1

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JRN	408-002	Great Lakes Convergence	Poulson	3
JRN	408-003	Environmental Video Production		3
JRN	492-301	<i>Wilderness Reporting</i>	Detjen	varies
JRN	808-001	Environmental Documentary Film Studies		varies
JRN	808-002	Reporting Climate Change		varies
LA/ HED/ HRT/PRR	816	Environmental Design Theory	Burley	3
LA/ HED/ HRT/ PRR	883	Environmental Design Seminar	Schutzki	3
MC/ FW	450	International Environmental Policy	Axelrod/ Kramer (alternate)	3
MMG	431	Microbial Genetics	Bertrand	3
MMG	445	Microbial Biotechnology	Garrity	3
MMG	801	Integrative Microbial Biology	Ciche et al.	4
MMG	803	Topics in Integrative Microbial Biology	Hausinger/ Reddy/Schmidt	2
MMG	833	Microbial Genetics	Champness et al	3
NSC/ MC	448	Ecology, Law and Economics	Mercuro	3
PHL	452	Ethics and Development	Esquith	3
PHL	480	Philosophy of Science	Steek	4
PHL	491-002	Environmental Ethics	McClendon	3
PLB	800	Seminar in Plant Biology	Brandizzi	1
PLB	865	Plant Growth and Development	Hu/ Vannocker	3
PLB	441	Plant Ecology	Kilgore	3
PLB	802-301	Pathways to Scientific Teaching in Biology: Instructional Materials Development and Implementation	Ebert-May	1
PLB	809-001	Population and Community Ecology Theory Lab	Klausmeier	varies
PLP/ PLB	884	Prokaryotic Diseases of Plants	He/Sundin	3
PRR	410	International Parks and Tourism		varies
PRR	449	Natural Resource Based Recreation Management Applications	Nelson	3
PRR	841	Parks & Recreation Administration & Policy	Paulsen	3
SOC	451	Dynamics of Population	Mullan	3
SOC	452	Environment and Society	Harris	3
SOC	832	International Inequality and Development	Salime	3

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SOC	868	Science & Technology	Busch	3
SOC/ FW/RD	869	Community and Conservation	Habron	3
SOC	931-001	Global Transformations	Ren	3
SSC	490-001	Issues in International Development		3
UP/ GEO	478	Urban Transportation Planning	Hinojosa	3
UP	823	Urban Land Management	Machemer	4
UP/ GEO	854	Economics of Planning & Development	Kotval	3
ZOL/ PLB	445	Evolution	Jarosz	3
ZOL/ RD	446	Environmental Issues & Public Policy	Stevenson	3
ZOL	822	Topics in Ethology & Behavioral Ecology	Eisthen/ Telgkamp	3
ZOL/ PLB	896	Population & Community Ecology	Litchman/ Mittelbach	4

Key:

ACR	Community, Agriculture, Recreation, and Resource Studies
ADV	Advertising
AEC	Agriculture, Food, and resource Economics
ANP	Anthropology
ANS	Animal Science
BE	Biosystems Engineering
BMB	Biochemistry and Molecular Biology
CAS	Communication Arts and Sciences
CE	Civil Engineering
CSS	Crop and Soil Sciences
ENE	Environmental Engineering
ENT	Entomology
ESA	Environmental Studies and Applications
ESP	Environmental Science and Policy Program
FOR	Forestry
FW	Fisheries and Wildlife
GEO	Geography
GLG	Geological Sciences
HED	Human Environment Design
HRT	Horticulture
JRN	Journalism
LA	Landscape Architecture
MC	Madison College
MMG	Microbiology and Molecular Genetics
MSE	Material Sciences and Engineering
NSC	Natural Sciences
PHL	Philosophy
PHM	Pharmacology and Toxicology and Toxicology
PKG	Packaging
PLB	Plant Biology
PLP	Plant Pathology
PRR	Community, Agriculture, Recreation, and Resource Studies
RD	Community, Agriculture, Recreation, and Resource Studies
SME	Science and Math Education
SOC	Sociology
UP	Urban Planning
ZOL	Zoology