

Faculty

Science of Natural and Environmental Systems

2012 – 2013

<i>Name</i>	<i>Department, Contact Info Office/Email/Phone</i>	<i>Research Interests and Courses Taught</i>
Brian Chabot <i>Professor</i>	Ecology & Evolutionary Biology 102 Little Rice BFC1@cornell.edu 607-279-1291	Plant and forest ecology; use of sugar maple. ALS 4770: Environmental Stewardship on the Cornell Campus ALS 4000: Community Service Learning
Jon M. Conrad <i>Professor</i>	Applied Economics & Management 431 Warren Hall JMC16@cornell.edu 607-255-7681	Resource and environmental economics. AEM/ECON 4500: Resource Economics AEM 7130: Dynamic Optimization AEM 7500: Resource Economics
Antonio DiTommaso <i>Associate Professor</i> <i>Richard C. Call Director of Agricultural Sciences</i>	Crop & Soil Sciences 903 Bradfield Hall AD97@cornell.edu 607-254-4702	My interests are in the ecology and management of weedy species in both natural areas and croplands. Ecology of invasive plant species and impact on the environment. Sustainable agricultural production. CSS 2940: Introduction to Agricultural Machinery CSS 3150: Weed Biology & Management CSS 4440: Integrated Pest Management CSS 6140: Weed Ecology & Management
Laurie Drinkwater <i>Associate Professor</i>	Horticulture 124 Plant Science LED24@cornell.edu 607-255-9408	I have a broad interest in using science to develop sustainable societies that provide for all people while preserving natural resources and biosphere integrity for future generations. My over-arching goal in teaching and mentoring students is to contribute to the development of scientists who will be equipped to address the global challenges we face in agriculture and environmental management.
John (Jack) Elliott <i>Associate Professor</i>	Design & Environmental Analysis 4235 MVR Hall JRE15@cornell.edu 607-255-9714	I am interested in regenerative interventions for the built environment, both personally and professionally. DEA 1010: Studio I DEA 2030: Digital Communications DEA 4220: Ecological Literacy and Design
Gary W. Evans <i>Elizabeth Lee Vincent Professor of Human Ecology</i>	Depts. of Design & Environmental Analysis and Human Development E306 Martha Van GWE1@cornell.edu 607-255-4775	Environmental and developmental psychologist interested in how the physical environment (e.g. noise, housing, crowding) affects human development. Much of his work focuses on the environment of childhood poverty. Interested in children's environmental attitudes as well. DEA 1500: Intro to Human-Environment Relations DEA 2500/6600: The Environment and Social Behavior

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Timothy J. Fahey <i>Liberty Hyde Bailey Professor Stephen H. Weiss Presidential Fellow Undergraduate Advising Coordinator</i>	Natural Resources 104 Bruckner Hall TJF5@cornell.edu 607-255-5470	Dynamics of forest ecosystems. NTRES 2100: Field Biology NTRES 4200/4201: Forest Ecology – lecture and lab
Alexander S. Flecker <i>Professor</i>	Ecology & Evolutionary Biology E211 Corson Hall ASF3@cornell.edu 607-254-4263	Ecology of stream ecosystems. Importance of biodiversity in ecosystems. Influence of animals on ecosystem structure and function. BIOEE 1610: Ecology and the Environment BIOEE 4560: Stream Ecology
Charles C. Geisler <i>Professor</i>	Development Sociology 237 Warren Hall CCG2@cornell.edu 607-255-1691	Environmental Sociology; War and Environment; Property and Stewardship; Native American Water Issues. DSOC 3240: Society and the Environment DSOC 4810: Global Conflict and Terrorism DSOC 6210: Environment and Development
Christine Goodale <i>Associate Professor</i>	Ecology & Evolutionary Biology E215 Corson Hall CLG33@cornell.edu 607-254-4211	Forest ecosystem ecology, carbon sequestration, acid rain impacts on ecosystems, forest history and land-use change. BIOEE 1610: Ecology and the Environment BIOEE 4780: Ecosystem Biology BIOEE 6680: Principles of Biogeochemistry
Ann Hajek	Entomology Comstock Hall AEH4@cornell.edu 607-254-4902	Ecology and sustainable management of insect species in natural areas, the urban environment and croplands. Emphasis on non-native invasives and impacts of climate change on their ecology. ENTOM 2020: Invasions: Trading Species in a Shrinking World ENTOM 4630: Invertebrate Pathology ENTOM 6900: Ecology and Evolution of Infection and Disease
James Lassoie <i>International Professor of Conservation</i>	Natural Resources 220C Bruckner Hall JPL4@cornell.edu 607-255-2810	Conservation science, community-based natural resource management, eco-agriculture, international development, sustainability NTRES/SNES 1101: Intro to Science and Management of Environmental and Natural Resources NTRES 4800: Global Seminar: Building Sustainable Environments and Secure Food Systems for a Modern World IARD/NTRES/SNES 4850: Case Studies in International Ecoagriculture and Environmental Conservation

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Johannes Lehmann <i>Associate Professor</i>	Crop & Soil Sciences 909 Bradfield Hall CL273@cornell.edu 607-254-1236	Biogeochemistry of soils as it relates to functioning of terrestrial ecosystems and the human disturbance such as deforestation, agriculture and climate change. CSS 3720: Nutrient Management & Research in Agroecosystems CSS 6720: Nutrient Cycling in Natural & Managed Ecosystems SNES 2000: Environmental Science Colloquium
Eugene L. Madsen <i>Associate Professor</i>	Microbiology B57A Wing Hall ELM3@cornell.edu 607-255-3904	Molecular microbial ecology. Biogeochemistry. Biodegradation of environmental pollutants. "Who," "what," "how," when," "where," "why" of microorganisms in soils, waters, and sediments. BIOMI 3970: Environmental Microbiology SNES 1101: Introduction to the Science and Management of Environmental and Natural Resources
Natalie Mahowald <i>Associate Professor</i>	Earth & Atmospheric Sciences 2140 Snee Hall mahowald@cornell.edu 607-255-5166	Atmospheric biogeochemistry, atmospheric aerosols, earth system modeling EAS 3050: Climate Dynamics EAS 4400: Climate Change Seminar
Ian Merwin <i>Professor</i>	Horticulture 118 Plant Science IM13@cornell.edu 607-255-1777	Research Interests: Agroecology, wine grapes and tree fruits, root and soil biology, organic fruit growing. HORT 1101: Horticultural Science and Systems HORT 1104/5: Wines and Vines HORT 4450: Ecological Orchard Management
Eric B. Nelson <i>Professor</i>	Plant Pathology 323 Plant Science EBN1@cornell.edu 607-255-7841	Research focuses on plant-associated microbial interactions that influence plant health and pathogen ecology. Emphasis is on diseases in both natural and agricultural ecosystems and the ecology of infectious diseases. PLPA 2950: Biology of Infectious Diseases PLPA 4330: Disease Ecology PLPA 6000: Ecology of Plant Diseases in Natural Ecosystems PLPA 6440: Current Topics in Oomycete Biology
Max J. Pfeffer <i>CALS Sr. Associate Dean and Professor</i>	Development Sociology 267 Roberts Hall MJP5@cornell.edu 607-254-6765	Teaching concentrates on environmental sociology and sociological theory. Research spans several areas including land use and environmental planning, rural labor markets, rural to urban and international migration. Empirical work covers a variety of rural and urban communities, including rural/urban fringe areas. DSOC 3240: Environment and Society DSOC 6030: Classical Sociological Theory DSOC 6210: Foundations of Environmental Sociology

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Gregory P. Poe <i>Professor</i>	Applied Economics & Management 433 Warren Hall GLP2@cornell.edu 607-255-4707	Environmental Policy, Non-Market Valuation, Water My interests lie in empirically investigating factors that affect individual decisions to participate in public programs and incorporating this information into environmental policy design. AEM 2500: Environmental and Resource Economics AEM 6510: Environmental and Resource Economics
Joe M. Regenstein <i>Professor</i>	Food Science 92B Morrison Hall JMR9@cornell.edu 607-255-8041	Interests include food waste management with an emphasis on use of fishery byproducts for food and non-food use. Composting of food waste. Working with students to improve Cornell's sustainability. ALS 4770: Environmental Stewardship on the Cornell Campus AS/FS 3100: Animal Welfare
Susan J. Riha <i>Professor</i>	Earth & Atmospheric Sciences 1110 Bradfield Hall SJR4@cornell.edu 607-255-1729	Soil-plant-atmosphere interactions; land use change, climate change, water resource management. EAS 3010: Evolution of the Earth System EAS 4830: Land, Water, Agriculture and Environment EAS 6750: Modeling the Soil-Plant-Atmosphere Systems SNES 2000: Environmental Science Colloquium
Cliff Scherer <i>Associate Professor</i>	Communication 307 Kennedy Hall CWS4@cornell.edu 607-255-7498	Research focuses on risk issues that deal with scientific and technical uncertainty. How individuals deal with and make decisions about environmental and health risks. COMM 1300: Visual Communication COMM 4860: Risk Communication
Rebecca Schneider <i>Associate Professor Faculty Fellow Atkinson Center for Sustainability</i>	Natural Resources B11 Bruckner Hall RLS11@cornell.edu 607-255-2110	Integrated research, extension, and teaching programs that focus on the . NTRES 3240: Ecological Management of Water Resources
William Schulze <i>Kenneth L. Robinson Professor of Agricultural Economics and Public Policy</i>	Applied Economics & Management 301 Warren Hall WDS3@cornell.edu 607-255-9611	Research and teaching focus on environmental economics and benefit cost analysis. AEM 4140: Behavioral Economics & Managerial Decisions AEM 7140: Experimental Economics
Norman R. Scott <i>Professor</i>	Biological & Environmental Engineering 216 Riley-Robb Hall NRS5@cornell.edu 607-255-4473	Focus to combine science, engineering, technology and social principles to "engineer" new ecologically sustainable communities. BEE 4870: Sustainable Energy Systems BEE 6730: Seminar in Sustainable Development

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Janice Thies <i>Associate Professor</i>	Crop & Soil Sciences 722 Bradfield Hall JET25@cornell.edu 607-255-5099	Soil biology and ecology, rhizosphere biology, agroecology, soil health, molecular microbial ecology and biodiversity, biogeochemistry, microbial inoculants, N ₂ fixation, bacterial source tracking and systems science. CSS 3210: Soil Management for Sustainability CSS 4660: Soil Ecology CSS 4940: Biotechnology and Development (Govt 4300) CSS 6660: Applied Plant/Microbe Interactions
Peter J. Trowbridge <i>Professor</i>	Landscape Architecture 440 Kennedy Hall PJT4@cornell.edu ; PJT@twla.com 607-255-2738	Scholarship focuses on the rehabilitation and re-greening of brownfield sites. This work specifically engages the successful establishment of plants in urban areas. LA 4910: Creating the Urban Eden LA 3180/6180: Site Construction LA 3010/6010: Theory & Practice of Landscape Architecture
Michael F. Walter <i>Professor and Chair</i>	Biological and Environmental Engineering 104 Riley-Robb Hall MFW2@cornell.edu 607-255-2465	Sustainable development and international development. BEE 3299: Sustainable Development
M. Todd Walter <i>Assistant Professor</i>	Biological and Environmental Engineering 222 Riley-Robb Hall MTW5@cornell.edu 607-255-2488	Hydrology with emphases on interactions between ecological and hydrological systems, water quality protection, and applications of nanobiotechnology to environmental science. BEE 3710: Physical Hydrology for Ecosystems
David W. Wolfe <i>Professor</i>	Horticulture 117 Plant Science DWW5@cornell.edu 607-255-7888	Climate change adaptation and mitigation strategies for agriculture and natural ecosystems. Soil health and water and nitrogen management for sustainable crop production. Science communication. HORT 1160: Nature Writing (First-Year Writing Seminar) HORT 4600: Cropping Systems Ecology
Joseph B. Yavitt <i>Professor Chair, Honors Program</i>	Natural Resources 124 Bruckner Hall JBY1@cornell.edu 607-255-6601	Dynamics of forest and wetland ecosystems, causes and consequences of global climate change NTRES 2010: Environmental Conservation NTRES 3030: Introduction to Biogeochemistry NTRES 3220: Global Ecology and Management