

Education

Ph.D.— American Studies (Environment, Science and Technology), University of New Mexico (2000)

Dissertation— *Words and Deeds: Assessing Print Media Language Influences on
Public Perception and Water Policy Decisions*

M.S.— Journalism, University of Illinois (1988)

B.A.— Political Science, University of Illinois (1987)

Academic Appointments

Appalachian State University

2011- Visiting Assistant Professor and Coordinator American Studies Concentration,
Interdisciplinary Studies Program

2008-11 Visiting Assistant Professor and Grant Coordinator, University College

2006-08 Adjunct faculty, Interdisciplinary Studies Department, Sustainable Development Program

University of New Mexico

2004-05 Visiting Professor, American Studies Department

2003-04 Adjunct Lecturer, American Studies Department, Economics Department

Central New Mexico Community College *(previously Albuquerque Technical Vocational Institute)*

2003-04 Instructor, Political Science Program, Communication Program

Columbia University

2000-02 Assistant Professor, Biosphere 2 Center (no tenure review, program eliminated 2003)

Scholarship

By training and practice I am interdisciplinary and utilize quantitative and qualitative methods. My research focuses on the nexus of science and culture as it applies to environmental policy, especially water policy. Within that frame I have studied issues of language use in the media, industrial ecology, public participation, and cultural influences on collaborative decision-making.

Funded Projects

- 2012 **ASU Walker College of Business Deans' Club, \$500** —Working with Economics faculty to assess public attitudes about western North Carolina's water supply.
- 2011 **ASU Graduate Research Associate Mentoring Program, \$20,000** —Working with Geography and Planning faculty to assess relationships between growth and water demand planning in western North Carolina. Funding supports a graduate student for two years.
- NC Dept. of Environment & Natural Resources 319 Funding, \$247,500**—Coordinating stream rehabilitation and community water education project.
- 2009 **National Fish and Wildlife Foundation, \$9,200** —Coordinated “teach the teachers” workshop on stream health and rehabilitation for middle school science teachers.
- ASU External Scholars Fund, \$1,200**—Brought William Dodge, interdisciplinary scholar and author of Black Rock: A Zuni Cultural Landscape and the Meaning of Place, to campus.
- 2008 **Environmental Protection Agency P3, \$10,000**—Faculty advisor for a student project to test potential to use coffee waste to generate ethanol in Nicaragua.
- Sandia National Laboratories (Department of Energy), \$2,990** —Facilitated collaborative modeling meeting on biofuels.
- 2007 **Z. Smith Reynolds Foundation, \$55,000**—Worked with community group to establish non-profit promoting traditional culture and land preservation in a rural mountain region.
- Environmental Protection Agency Environmental Education, \$11,622** — Directed unique student-driven approach to assess regional water supply issues, identify ongoing research projects, and develop community education materials.
- 2006 **Sandia National Laboratories (Department of Energy), \$50,000**— Member of community-based collaborative modeling team to develop model for water policy decision.
- Clabough Foundation, \$4,300** —Conducted needs assessment for developing a land preservation concentration in ASU Sustainable Development Program.
- ASU Foundation Fellows, \$4,400** —Taught course as “buyout” for Sustainable Development Director; finalized needs assessment for land preservation concentration.
- 2005 **Sandia National Laboratories (Department of Energy), \$23,557**—Member of collaborative modeling team assessing US-Mexico border migration.
- 2004 **Sandia National Laboratories (Department of Energy), \$69,977**— Member of collaborative modeling team to develop “toolbox” to assist in water policy decisions.

- 2002 **Sandia National Laboratories (Department of Energy), \$7,930**— Assessed public perceptions about using computer models in policy decisions and attitudes about a specific model being used in regional water planning.
- 2001 **Dowbiggin Limited, \$12,000**—Conducted media analysis of depleted uranium use by the US military to prepare policy report for the US Army.
- 2000 **Columbia University - Earth Institute SMART Fund, \$5,500**— Used existing monitoring efforts to link policy decisions (e.g. land use) and physical environmental conditions.
- 1999 **Environmental Protection Agency, \$13,800** — Developed water quality segment of Border Region Information on Transportation and the Environment (BRITE), for Alliance for Transportation Research, University of New Mexico.

Unfunded Projects

- 2008 Assessed effects of faculty bias on student attitudes in Principles of Sustainable Development course. Results delivered to ASU Sustainable Development Program.
- 2002-07 Conducted annual review of university degree programs on industrial ecology. Generated descriptive list of programs posted to International Society for Industrial Ecology website.
- 2004-05 Policy analyst on collaborative modeling team that explored relationships between water rights and land use trends in New Mexico.

Publications in Peer Reviewed Journals

- 2012 Ferrell, J. and K. Cockerill. 2012. *Closing Coffee Production Loops with Waste to Ethanol in Matagalpa, Nicaragua*. Energy for Sustainable Development 16(1):44-50.
- 2010 Cockerill, K., L. Daniel, V. Tidwell, A. Sun. 2010. *Engaging the Public and Decision-Makers in Cooperative Modeling for Regional Water Management*. Environmental Practice 12(4): 316-327.
- Cockerill, K. 2010. *Cooperative Modeling to Promote Systems Thinking in Applying the National Environmental Policy Act*. Environmental Practice 12(2): 127-133.
- Cockerill, K. 2010. *Communicating How Water Works: Results from a Community Water Education Project*. Journal of Environmental Education 41(3): 151-164.
- 2009 Cockerill, K. and J. Carp. 2009. *Leveraging Opportunities for Campus Sustainability*. Sustainability: Science, Practice and Policy 5(2): <http://ejournal.nbii.gov/archives/vol5iss2/TOC.html>.
- Cockerill, K., L. Daniel, L. Malczynski, V. Tidwell. 2009. *A Fresh Look at a Policy Sciences Methodology: Collaborative Modeling for More Effective Policy*. Policy Sciences 42(3): 211-225.
- 2007 Deng, N., W. Ning, P. Chen, F. Wu, K. Cockerill. 2007. *Industrial Ecology Education at Wuhan University*. Journal of Industrial Ecology 11(3): 147-153.
- Cockerill, K., V. Tidwell, H. Passell, L. Malczynski. 2007. *Cooperative Modeling Lessons for Environmental Management*. Environmental Practice 9(1):28-41.

- 2006 Cockerill, K., H. Passell, V. Tidwell. 2006. *Cooperative Modeling: Building Bridges Between Science and the Public*. Journal of the American Water Resources Association 42(2): 457-471.
- 2004 Cockerill, K., V. Tidwell, H. Passell. 2004. *Assessing Public Perceptions of Computer-Based Models*. Environmental Management 34(5): 609-619
- Cockerill, K. and J. H. Titus. 2004. *Bridging Disciplines with the Riparian Area Management Project*. Applied Environmental Education and Communication 3(3):163-170.
- 2003 Cockerill, K. 2003. *Testing Language: Media Language Influence on Public Attitudes about River Management*. Applied Environmental Education and Communication 2(1): 23-37.
- 2002 Cockerill, K. 2002. *Context is Key: The Media Role in Shaping Public Perceptions about Environmental Issues*. Environmental Practice 4(2): 107-113.
- 2000 Cockerill, K. and J. Espinosa. 2000. *Border Sharing: Transportation and the Environment in the US-Mexico Border Region*. Environmental Practice 2(3):259-263.
- 1999 Cockerill, K. and J. Espinosa. 1999. *Developing Transportation-Related Environmental Policy for the U.S.-Mexico Border Region*. Transportation Research Record No. 1670: Transportation and the Environment, Transportation Research Board, National Research Council.

Chapters in Peer Reviewed Compilations

- In review Cockerill, K., Groothuis, J., Groothuis, P. *Last Settler's Syndrome and Land Use Change in Southern Appalachia*. In Working on Earth, J. Westerman and C. Robertson (eds).
- 2004 Cockerill, K. 2004. *Innovative Industrial Ecology Education Can Guide Us to Sustainable Paths*. In Technological Choices for Sustainability. S. Sikdar, P. Glavic, R. Jain (eds) pp 77-90 Springer.
- Cockerill, K. 2004. *Summary of Panel Discussions*. In Technological Choices for Sustainability. S. Sikdar, P. Glavic, R. Jain (eds) pp 429-436 Springer.

Invited Essays

- 2012 Cockerill, K. 2012. *The Department of Defense offers a Strong Offense for Promoting Sustainability*. In Sustainability and National Security. J. Hartman, K. Butts, B. C. Bankus, S. Carney (eds) pp 57-84 U.S. Army War College.
- 2005 Cockerill, K. 2005. *The San-Juan Chama Project*. 56th New Mexico Geological Society Fall Field Conference Guidebook. pp 65-66.
- 2004 Cockerill, K. 2004. *Discussions on Sustainability*. Clean Technologies and Environmental Policy 6(3): 151-2.
- 2001 Cockerill, K. and T. Wawrzyniec. 2001. *When Presentations Go Bad Part I and II*. GSA Today 11(2):12-13; 11(3): 24-25 (improving science communication)

Book Reviews

- 2012 Cockerill, K. Book review of Precious Commodity: Providing Water for America's Cities by Martin V. Melosi in Environmental Practice 14(2): 165
- 2010 Cockerill, K. 2010. Book review of Comparing Futures for the Sacramento-San Joaquin Delta by J. R. Lund, E. Hanak, W. E. Fleenor, W. A. Bennett, R. E. Howitt, J. F. Mount, and P. B. Moyle in Ecological Economics 69(12):2644-2650.
- Cockerill, K. 2010. Book review of Eco Barons by E. Humes in Journal of Industrial Ecology 14(4): 681-682.
- 2008 Cockerill, K. 2008. Book review of American Environmental Policy, 1990-2006 by C.M. Klyza and D. Sousa in Environmental Practice 10(3): 128-129
- 2007 Cockerill, K. 2007. Book review of Useless Arithmetic by O. Pilkey and L. Pilkey-Jarvis In Environmental Practice 9(3): 218.
- Cockerill, K. 2007. Book review of Adaptive Governance and Water Conflict, edited by J. T. Scholz and B. Stiftel in Ecological Economics 62(2):375-376.
- 2006 Cockerill, K. 2006. Book review of Collaborative Environmental Management by T.M. Koontz *et al.* in Environmental Practice 8(2):136-137.
- 2005 Cockerill, K. 2005. Book review of Mediated Modeling by M. van den Belt in Ecological Economics 55(1): 135-137.
- Cockerill, K. 2005. Book review of Water for Life by J. L. Wescoat, Jr. and G. F. White in Ecological Economics 53(1): 143-44

Organization Publications (*r = peer reviewed*)

- 2006 Tidwell, V.C ... K. Cockerill, D. Coursey. 2006. Integrated System Dynamics Toolbox for Water Resources Planning. Sandia National Laboratories Report SAND 2006-7676 December.
- 2005 Malczynski, L., K. Cockerill, C. Forster, H. Passell. 2005. Borders as Membranes: Metaphors and Models for Improved Policy in Border Regions. Sandia National Laboratories Report SAND 2005-6246, October.
- 2004 McNamara, L., J. Chermak, K. Cockerill P. van Blowman Waanders 2004. Modeling the Transfer of Land and Water from Agricultural to Urban Uses in the Middle Rio Grande Basin, New Mexico. Sandia National Laboratories Report SAND 2004-5218, 54 pp.
- 2001 Cockerill, K. 2001. Media Coverage of Depleted Uranium Use by the US Military, prepared for Dowbiggin Limited, for the US Army.
- 1997 Jenkins-Smith, H., J. Stewart, Jr., K. Cockerill. 1997. Public Communication about Nuclear Weapons Accidents: Fanning the Flames or Dampening Doubts? Institute for Public Policy, University of New Mexico.
- 1996 Cockerill, K., A. Fromer, J. Gastil, H. Jenkins-Smith. 1996. Unfinished Business: New Mexicans' Views on the Waste Isolation Pilot Plant, 1990-1996, Institute for Public Policy, University of New Mexico.

- 1995 Cockerill, K., J. Simunic, D. Wilcoxon. 1995. Federal Facility Advisory Boards: A Case Study of the Fernald Citizens Task Force, prepared for the University of Cincinnati.
- Cockerill, K. and D. Wilcoxon. 1995. Public Participation in Army Environmental Management, Army Environmental Policy Institute. (r)
- D'Ambrosi, C., K. Cockerill (project manager) et al. 1995. Integrating an Environmental Ethic Through Increased Environmental Awareness, prepared for the Army Environmental Policy Institute. (r)
- 1994 McCormick, J., J. Johnson, Jr., R. Thornell, K. Cockerill (project manager). 1994. A Literature Review and Definitions of Environmental Equity, Justice and Racism, Army Environmental Policy Institute.
- Cockerill, K. and D. Wilcoxon. 1994. Army Environmental Stewardship Related to Army Materiel Command Compliance Challenges and Opportunities, Army Environmental Policy Institute. (r)
- 1993 Cockerill, K., J. Mitchell, S. Min. 1993. U.S. Army Environmental Management Good News Stories: Volume II, Army Environmental Policy Institute.
- Circeo, R. (Producer) and K. Cockerill (Project Manager/Assistant Producer). 1993. Racing to Save the Planet (video), Army Environmental Policy Institute.
- 1992 Cockerill, K. and E. Fiering. 1992. Environmental Professionals, Army Environmental Policy Institute. (r)
- Funke, O., R. Forrest, K. Cockerill, C. Huppertz. 1992. Analysis of U.S. Army Solid Waste Management Policy, Army Environmental Policy Institute. (r)
- Stine, R. and K. Cockerill. 1992. U.S. Army Environmental Management Good News Stories, Army Environmental Policy Institute.

Invited Presentations

- 2012 *Finding and Securing Grants*. North Carolina Association of Environmental Education Centers Annual Meeting.
- 2008 *How Water Works*. Keynote speaker at the North Carolina Association of Soil & Water Conservation Districts Area II Fall Meeting.
- 2007 *Generating Schema for Sustainable Development*. International Advanced Research Workshop on Higher Education for Sustainable Development, Maribor, Slovenia.
- 2002 *Industrial Ecology Education Can Guide Us to Sustainable Paths*. NATO Advanced Research Workshop: Technological Choices for Sustainability, Maribor, Slovenia.

Conference Sessions Organized/Chaired

- 2012 Panel chair and commentator: *Empires of Science, Resisting Solutions*. Accepted, American Studies Association Annual Conference, San Juan, Puerto Rico.

- 2009 Invited participant: Southeastern States Water Resources Planning and Management Forum, Durham, NC.
- Panel co-coordinator and chair: *Green Infrastructure – Water Resources, Stormwater, and Public Participation*. North Carolina American Planning Association Summer Planning Institute, Boone, NC.
- 2007 Conference coordinator: *Levenson Program on Growth and Change in Western North Carolina*. ASU, MountainKeepers, and Partnership for Watauga's Future, Boone, NC.
- 2006 Session coordinator and chair: *Integrated Modeling in Material Flow Analysis*. Gordon Research Conference on Industrial Ecology, Oxford, England.
- Conference coordinator: *Environment Summit—Sustainability in the High Country*. MountainKeepers, Boone, NC.
- 2005 Session Chair: *Tools in Industrial Ecology*. International Society for Industrial Ecology Biennial Conference, Stockholm, Sweden.
- 2003 Panel coordinator and co-chair: *Academia, ISIE and Industrial Ecology*. International Society for Industrial Ecology Biennial Conference, Ann Arbor, MI.
- Panel coordinator and co-chair: *Industrial Ecology in the Classroom*. International Society for Industrial Ecology Biennial Conference, Ann Arbor, MI.
- 2002 Discussion leader: *Education and Interfaces with Other Disciplines*. Gordon Research Conference on Industrial Ecology, New London, NH.
- 2001 Conference co-coordinator: *The Science & Culture of Industrial Ecology*. International Society for Industrial Ecology Inaugural Conference, Leiden, The Netherlands.
- 1998 Panel coordinator: *Changing Gears: Shifting through Environment, Science and Technology in Southwest Transportation Culture*. California American Studies and the Rocky Mountain American Studies Association Joint Conference, Albuquerque, NM.
- 1997 Panel coordinator and chair: *The Road to Understanding Risk*, Society of Women Engineers, Albuquerque, NM.

Conference Presentations

- 2012 Cockerill, K., R. Hale, C. Badurek. *Land Use, Water Resources, and Potential Planning Disconnects*. Geological Society of America Southeastern Section Annual Meeting, Asheville, NC.
- 2010 Cockerill, K. *Cooperative Modeling to Promote Systems Thinking in Environmental Policy*. National Association for Environmental Professionals Annual Conference, Atlanta, GA.
- 2009 Cockerill, K. *Collaborative Modeling to Promote Systems Thinking in Education and Public Policy*. Accepted, International Society for Industrial Ecology (unable to attend)
- Cockerill, K. *Community Water Education*. Accepted, New River Symposium, (conference cancelled)

- 2008 Cockerill, K., K. Marone, M. Heath, R. Storniolo, D. Cobb, M. Sigler. *Explaining How Water Works: Community Water Education in Northwestern North Carolina*. Universities Council on Water Resources Annual Meeting, Durham, NC.
- 2006 Malczynski, L., K. Cockerill, C. Forster, H. Passell. *Borders as Membranes: Metaphors and Models for Improved Policy in Border Regions*. 24th International Conference of the System Dynamics Society, Nijmegen, The Netherlands.
- 2005 Cockerill, K., V. Tidwell, L. Malczynski. *A Dynamic "Toolbox" for Modeling Physical and Social Systems Related to Water Flows*. International Society for Industrial Ecology Biennial Conference, Stockholm, Sweden.
- 2004 Cockerill, K., V. Tidwell, L. Malczynski. *A "Toolbox" for Modeling Physical and Social Systems in Water Management*. Geological Society of America Annual Meeting, Denver, CO.
- Tidwell, V., D. Brookshire, J. Chermak, K. Cockerill, et al. *Options and Consequences: Water Banking/Leasing Explored for the Rio Grande in Southern New Mexico*. Universities Council on Water Resources Annual Conference, Portland, OR.
- 2003 Tidwell, V., K. Cockerill, H. Passell. *System Dynamics Modeling and Its Role in Community-Based Water Planning*. New Mexico Symposium on Hydrologic Modeling, Socorro, NM.
- 2002 Titus, J., K. Cockerill, et al. *Interdisciplinary Immersion Education at Biosphere 2 Center*. Ecological Society of America Annual Meeting, Tucson, AZ.
- Cockerill, K. *Any Good News? Media Coverage of Science Related to Albuquerque's Water Supply*. New Mexico Water Research Symposium, Socorro, NM.
- 2000 Cockerill, K. *Flood Hazards, Print Media and Public Policy*. Geological Society of America Annual Meeting, Reno, NV.
- Colodner, D., T. Burgess, A. Holmes, K. Cockerill. *The Sense of Place Module, Columbia University's Earth Semester Program, Biosphere 2 Center*. American Geophysical Union Spring Meeting, Washington, DC.
- 1999 Cockerill, K. *Words and Deeds: The Media Role in Geo-Related Policy Development*. Geological Society of America Annual Meeting, Denver, CO.
- Cockerill, K. and J. Espinosa. *Developing Transportation-Related Environmental Policy for the U.S.-Mexico Border*. Transportation Research Board Annual Meeting, Washington DC.
- 1998 Cockerill, K. *Improving Border Health with BRITE - Border Region Information on Transportation and the Environment*. New Mexico Environmental Health Conference, Albuquerque, NM.
- Cockerill, K. *Shifting Border Environments: Intermodal Transportation in Southern New Mexico*. Joint California and Rocky Mountain American Studies Associations' Annual Conference, Albuquerque, NM.
- Cockerill, K. *Risk Communication and Nuclear Accidents*. Presented by Regina Lundgren, American Nuclear Society's Risk-Based Performance Assessment and Decision-Making Conference, Pasco, WA.

- 1997 Cockerill, K., S. P. Shelton, R. K. Jain. *Educating for Holism in Environmental Policy*. Presented by Shelton, Conference on Multidisciplinarity and International Cooperation in Environmental Education, Chambéry, France.
- Cockerill, K. and S. P. Shelton. *Environmental Risk and Military Remediation in Central and Eastern Europe and the Former Soviet Union*. First International Conference on Demilitarization Ecology in Central and Eastern Europe and the Former Soviet Union, Miskolc, Hungary.

Conference Posters

- 2012 Hale, R., C. Badurek, K. Cockerill. *Water Resource Planning in Headwaters Regions of Western North Carolina*. North Carolina Water Resources Research Institute Annual Conference, Raleigh, NC.
- Hale, R., C. Badurek, K. Cockerill. *Analysis of Water Demand Forecasting and Resource Planning in the Southern Appalachians*. Association of American Geographers Annual Meeting, New York City, NY.
- 2009 Cockerill, K., V. Tidwell, L. Daniel, A. Sun. *Connecting Water Planning, Cooperative Modeling and Geographically Dispersed Participants in the Upper Gila River Basin*. New Mexico Water Resources Research Center Annual Conference, Socorro, NM
- 2008 Cockerill, K. *Talking the Talk: Applying Schema Theory to Industrial Ecology*. Gordon Research Conference on Industrial Ecology, New London, NH.
- Cockerill, K. and W. Anderson. *The Science Behind the Policy: Co-teaching Water Resources*. Universities Council on Water Resources Annual Meeting, Durham, NC.
- 2000 Colodner, D. and K. Cockerill. *Abroad in Arizona: Interdisciplinary, Immersion Education at the Biosphere 2 Center*. Geological Society of America Annual Meeting, Reno, NV.

Other

- 2008 Cockerill, K. *Water, Water Everywhere*. Letter to the Editor published in Scientific American, 12 December 2008
- 2007 Cockerill, K. *Green Goes Mainstream*. High Country Press, 12 April 2007, p 21

Teaching

2006-present—Appalachian State University

Appointments in Interdisciplinary Studies; Sustainable Development; Watauga Global Community.

2012 recipient University College Award for Excellence in Teaching

Developed seven new courses for ASU programs.

Two courses developed for IDS now in General Education curriculum (*H₂O: We are Water* and *This Grand Experiment: Introduction to American Studies* – to be offered Fall 2012)

Graduate Courses Taught:

Water and the West (field course paired with *Mountain Geography*)

Foundations of Sustainable Development

Pedagogy for Sustainable Development (independent study)

Undergraduate Courses Taught:

Water and Sustainability

Water Resources: The Science Behind the Policy (General Education pilot course co-taught with Geology faculty)

Water and the West (field course paired with *Mountain Geography*)

Principles of Sustainable Development

Freshman Seminar on Environmental Science

H₂O: We are Water (IDS and Honors course)

Know Your Place: Ideas about Science, the Environment and Culture (Watauga Global Community 6-hour course)

Wrestling with Wicked Problems (Chancellor's Scholars Honors, co-taught with Geology faculty)

The Games We Play: Sports in America

Sustainability, Religion, Spirituality

2003-05; 1997-99—University of New Mexico

Appointments in American Studies Department; Economic Department

Graduate Courses Taught:

Water in the West

Gender and Science

Undergraduate Courses Taught:

Introduction to Environment, Science & Technology

Sports in America

The Culture of Scientific Debate

Water in the West

Environment and Society

2003-04—Central New Mexico Community College

Appointments in Political Science Program; Communication Program

Undergraduate Courses Taught:

Political World

Mass Media and Society

2000-02—Columbia University

This unique environmental studies program fully integrated conservation biology, earth systems science, and environmental policy into a semester long, 16-hour curriculum that was taught as if it were a single course. Faculty developed and jointly taught the curriculum, which included integrated exams and a capstone project. Faculty also directed undergraduate research. Program eliminated 2003.

Leading role in developing policy-relevant undergraduate courses:

Human Role in Environmental Change

Planetary Management

Controversies in Science

Sample research projects supervised:

Assessing student attitudes about integrated education

Analyzing media coverage of the Central Arizona Project (Federal water project)

Analyzing impacts from maquiladoras (border factories)

Creating potential “alternative histories” related to Indian water rights court decisions

Identifying connections between land use planning and water planning

Assessing public reactions to nature photography

While at Biosphere was Visiting Scholar at the Udall Center for Public Policy, Univ. of Arizona

Service

Appalachian State University—Campus-wide

- 2011 - Office of Research and Sponsored Programs, Peer Assisted Review Enterprise
- 2010 - Sustainability Council
- 2011 University Research Council
- 2010, 2012 Served as judge for student research poster competition
- 2008-09 Chair, Provost's Water Resources Planning Committee
- 2008 Assisted Office of Research and Sponsored Programs in proposal management
- 2007-10 Reviewed science-based theses for the ASU Graduate School
- 2007 Coordinated campus-wide proposal through Office of Research and Sponsored Programs for Renaissance Computing Institute Center

Appalachian State University—Guest Class Lectures

- 2009-12 *Global Water*, Global Nutrition and Emerging Health Challenges
- 2011 *Elk Knob Cultural Heritage Organization*, panel member, Environmental Justice
Water Rights, Principles of Sustainable Development
Managing Rivers, Source to Sea Outdoor Learning Expedition
- 2009, 2011 *Exploring the Margins: Women and Science*. Distinguished Lectures on Women, Sex, and Gender, Women's Studies Program
- 2010 *Water Rights*, Environmental Geology
Gaia, Gaia's Garden
- 2005-06 *Using Geoscience Information in Policy*, Introduction to Physical Geology

Appalachian State University—College/Program

- 2011- Coordinator, American Studies Concentration, Interdisciplinary Studies program. Revised curriculum; vetted at Dartmouth's Futures of American Studies Institute. Navigated ASU approval process 2011.
- 2011- Graduate advisor for Robin Hale, MA student, Geography and Planning
- 2011- Undergraduate advisor for seven majors, Interdisciplinary Studies
- 2008-11 Grant Coordinator/Research Development Officer for University College. Assisted in submitting \$2.7 million in external funding proposals.
- 2010 - Chair, Curriculum Committee, Interdisciplinary Studies Program; processed five new courses through university system, revised process to apply to teach IDS course, revised American Studies Concentration, revising core requirements.

- 2010 Search Committee for Director of Sustainable Development Program
- 2010 Outside reader for senior thesis, *American Oil Spill Pollution Policies: A Time-series Analysis*, Megan Perdue, Government and Justice Studies.
- 2009-10 Departmental Personnel Committee, Sustainable Development Program
- 2009-10 Internship advisor for Hannah Furguele, MA student, Appalachian Studies
- 2007-12 Comprehensive exam committee member for 11 MA students, Appalachian Studies
- 2006-09 Curriculum Committee, Sustainable Development Program
- 2007 Coordinated Levenson Program on Growth and Change in Western North Carolina for College of Arts and Sciences

University of New Mexico

- 2004-05 Senior thesis advisor, *The Environmental Effects of Asian Immigration and the Introduction of Rice into the Western United States*, Minoru Yoshida, American Studies.

Columbia University—Biosphere 2 Center

- 2000-02 Curriculum Development – interdisciplinary effort among all faculty; lead role in developing capstone effort, Riparian Area Management Project
- 2001 Chair, Search Committee for position in environmental policy
- 2000 Search Committee for Director of Education

Professional/Community Service

- 2011 - Guest Editor for series on industrial ecology education, Journal of Industrial Ecology
- 2010 - Editorial Board, Environmental Practice
- 2010 - Proposal Reviewer, National Estuarine Research Reserve System Science Collaborative
- 2010 - Advisory Leadership Council, Watauga County Cooperative Extension; Featured in the NC Cooperative Extension 2010 Solutions media for constructed wetland project.
- 2008 - Water Study Committee, Town of Boone
- 2008 - Steering Committee, Watauga River Partners; Received Conservationist Award 2010
- 2001-10 Secretary 2002-06, 2009-10; Editor ISIE News 2003-10; Co-coordinator inaugural meeting 2001, International Society for Industrial Ecology
- 2008-09 Board of Directors, North Carolina Rural Community Assistance Project
- 2006-08 Board of Directors, MountainKeepers; Coordinated 2006 Environment Summit; Coordinated 2008 community water education project.
- 2002-05 Volunteer, Middle Rio Grande Water Assembly
- 2002-03 Consultant, National Science Foundation, Digital Water Education Library
- 1997-04 VP of Programs 2003-04; Newsletter Editor 1997-99, New Mexico Museum of Natural History, Friends of Paleontology

Professional Memberships

American Studies Association

Geological Society of America

International Society for Industrial Ecology

Sigma Xi, The Scientific Research Society; Promoted to Full Member 2009

National Association of Environmental Professionals

Manuscript Reviews

I review 2-5 papers per year for diverse journals, including:

- Clean Technologies and Environmental Policy
- Ecological Economics
- Environmental Practice
- Environmental Management
- Environmental Modelling and Software
- Geological Society of America
- International Journal of Sustainability in Higher Education
- Journal of Environmental Management
- Journal of Industrial Ecology
- Journal of Water Resources Planning and Management
- Policy Sciences
- Sustainability: Science, Practice and Policy

Other Professional Experience/Development

2012 Attended workshop, *Database Searching: What You Need to Know*

2011 Attended American Studies Association Annual Meeting, Baltimore, MD

 Participated in the Futures of American Studies Institute, Dartmouth College

 Attended tutorial, *QuickGuide to AsULearn Gradebook*

 Attended introductory session for AGrants the electronic grant submittal program

 Attended workshop, *Teach Students How to Learn: Metacognition is Key*

2002-present—Consultant

Have worked independently and for consulting firms to conduct policy studies, coordinate document production for regional water planning, and to facilitate collaborative modeling projects.

1995-99—University of New Mexico

Research assistant on diverse policy projects: transportation-related environmental issues on the US/Mexico border; public perceptions of environmental issues; risk communication.

1991-95—US Army Environmental Policy Institute

Coordinated policy studies on environmental awareness/education, public participation, and environmental justice.

Coordinated public and media relations.

Served as liaison between AEPI and industry, other governmental agencies, special interest groups and academic institutions including coordinating efforts to involve Historically Black Colleges and Universities and Minority Serving Institutions in Army programs.

Responsible for one-quarter of Institute's annual budget.

1990—US Army Construction Engineering Research Laboratory

Coordinated efforts related to solid waste research, conferences and publications.

Served as spokesperson at conferences and as technical expert for video teleconferencing training.

1988-89—Monticello Communications

Utilized desktop publishing to produce monthly newsletter and other publications for regional communications firm.